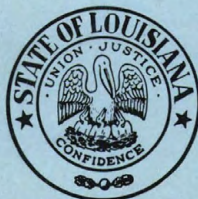
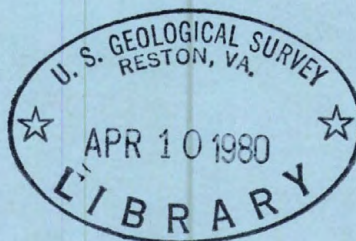


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Water Resources Data for Louisiana

Volume 2. Southern Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-79-2

WATER YEAR 1979

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

CALENDAR FOR WATER YEAR 1979

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Water Resources Data for Louisiana

Volume 2. Southern Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-79-2

WATER YEAR 1979

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

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

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

1979

PREFACE

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

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and S. M. Lang, Acting 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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 [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 1979 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 78 gaging stations; stage record for 72 of these gaging stations; stage only for 42 gaging stations; contents for 1 reservoir; stage only for 10 lakes; water quality for 146 stations; 22 of these at gaging stations: 52 miscellaneous sites, 24 lakes, and 335 wells; and water levels for 685 observation wells. Also included are 212 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-79-1." 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 L. E. Carroon, Federal representative and chairman; Gerald R. Dyson and Raymond J. Palmer for Louisiana; Neilson Davis and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, Mark E. Walton, 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 82 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

At the beginning of the water year, streamflow was generally below average but increased so that above average runoff characterized the year.

Flooding occurred in northern Louisiana in January with a record peak discharge of 9,500 cfs (cubic feet per second) at Bayou Macon near Delhi (43 years of record).

In April, streams in southeastern Louisiana experienced flood conditions. The Pearl River near Bogalusa had a record discharge of 129,000 cfs and a peak elevation of 78.23 feet (NGVD). The Amite River near Denham Springs had high water conditions approaching those of the April 1977 flood. Peak elevation and discharge for the 1979 flood were

36.70 feet (NGVD) and 68,600 cfs, as compared to 41.08 feet (NGVD) and 110,000 cfs of the 1977 flood.

The Mississippi River was above flood stage (35 feet, NGVD), mid-March to mid-May; the river crested at 42.2 feet (NGVD), 0.6 foot above the 1973 crest, the highest since 1950. Peak discharges for the 1979 and 1973 floods were 1,380,000 cfs and 1,410,000 cfs, respectively. The Bonnet Carre' Spillway was open April 17-May 6; the overflow structure at the Old River Control Structure was in operation April 21-May 22.

In southwestern Louisiana, the Calcasieu River near Oberlin had a record maximum flow for the month of September; the maximum discharge of 27,700 cfs was more than double the previous maximum flow for this month.

Regional water-level declines continued at the rate of 1-3 feet/year for the Sparta Sand in northern Louisiana and 1-2 feet/year for the upper Miocene aquifer in central Louisiana. Water levels for the terrace, alluvial, Wilcox, and Cockfield aquifers were near normal, except for local declines in wells in the Wilcox aquifer in northwestern Louisiana.

In southwestern Louisiana, levels in wells in the Chicot aquifer were generally higher than at the end of the 1978 water year. In the rice-irrigation area, water-level changes ranged from more than 0.5 foot higher near Iowa to about 4.5 feet higher in central Acadia Parish. In the Lake Charles industrial area, levels in wells in the "200-foot," "500-foot," and "700-foot" sands were generally about 2 feet higher than in September 1978. Levels in wells in the Evangeline aquifer at Opelousas and Eunice were near 1978 levels.

In southeastern Louisiana, water levels declined slightly in wells in the Gonzales-New Orleans aquifer but rose slightly in wells in the Gramercy and Norco aquifers. Slight rises also occurred in wells in the "400-foot" and "600-foot" sands of the Baton Rouge area. Levels in wells in the "2,000-foot" sand were steady, but wells in the "1,200-foot," "1,500-foot," "2,400-foot," and "2,800-foot" sands registered slight declines. In the Florida Parishes, small declines were also noted in all except the shallower aquifers.

The results of monitoring the quality of streamflow at many sites in the State indicate that no unusual changes have taken place during the year.

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 than 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 in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies 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 on any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are muticelled 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.

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

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

Micrograms per gram (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.

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

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

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

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

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

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

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

The classification is as follows:

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

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

Percent composition is a unit 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 0,0-diethyl 0- (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 0,0,0',0'-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-chlorophenyl)thio 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-chlorophenyl)thio - 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.....Hexagenia
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 indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02489500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number "489500". Records in this report are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

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

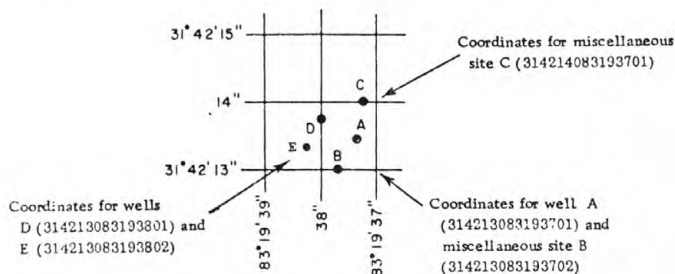


Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

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 the U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

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

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

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

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

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

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

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is

that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

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

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 8.

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 National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day, the end of each month (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-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

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

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

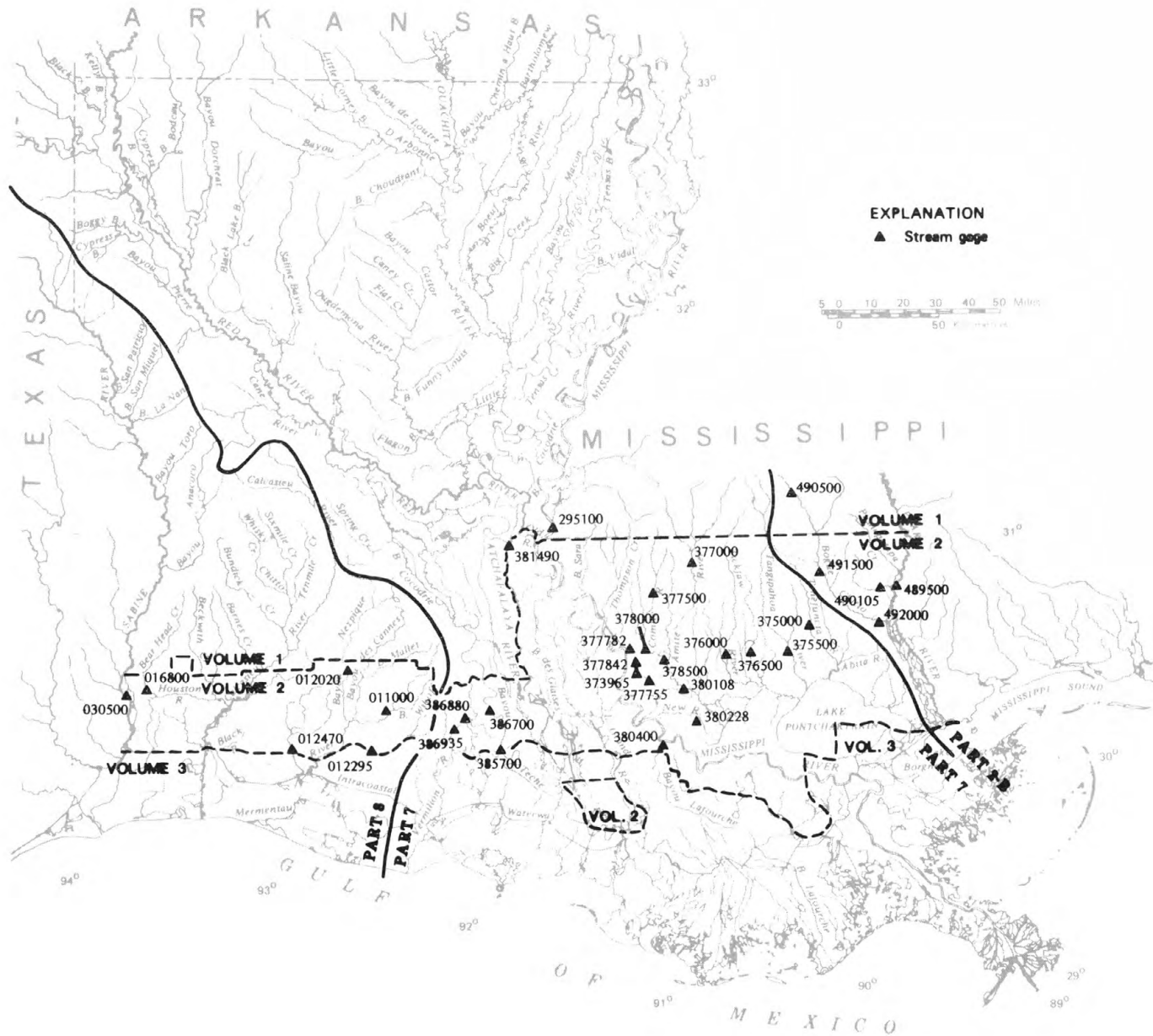


Figure 2. — Location of continuous gaging stations.

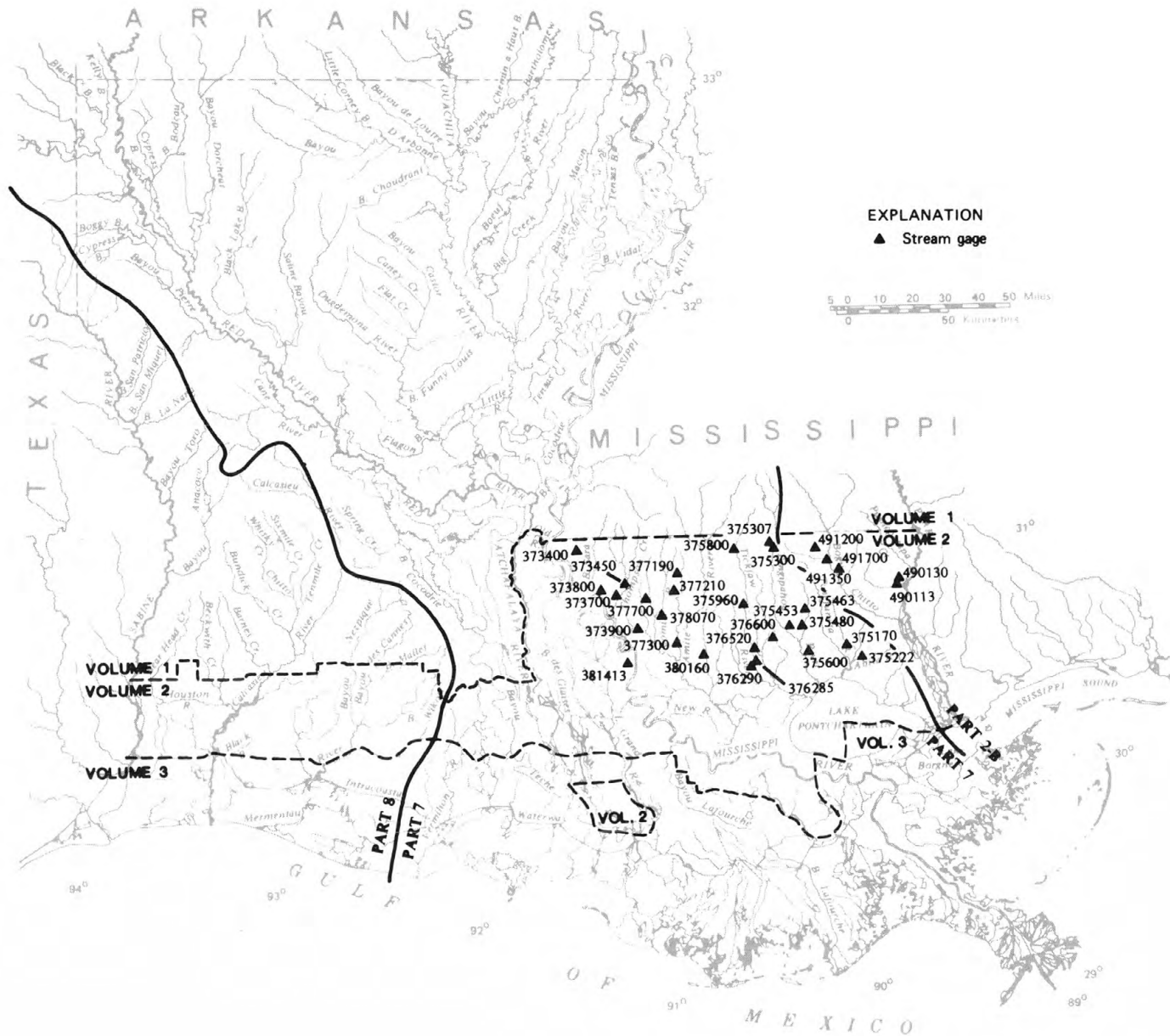
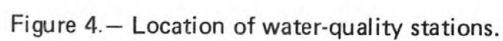


Figure 3. — Location of crest-stage stations.



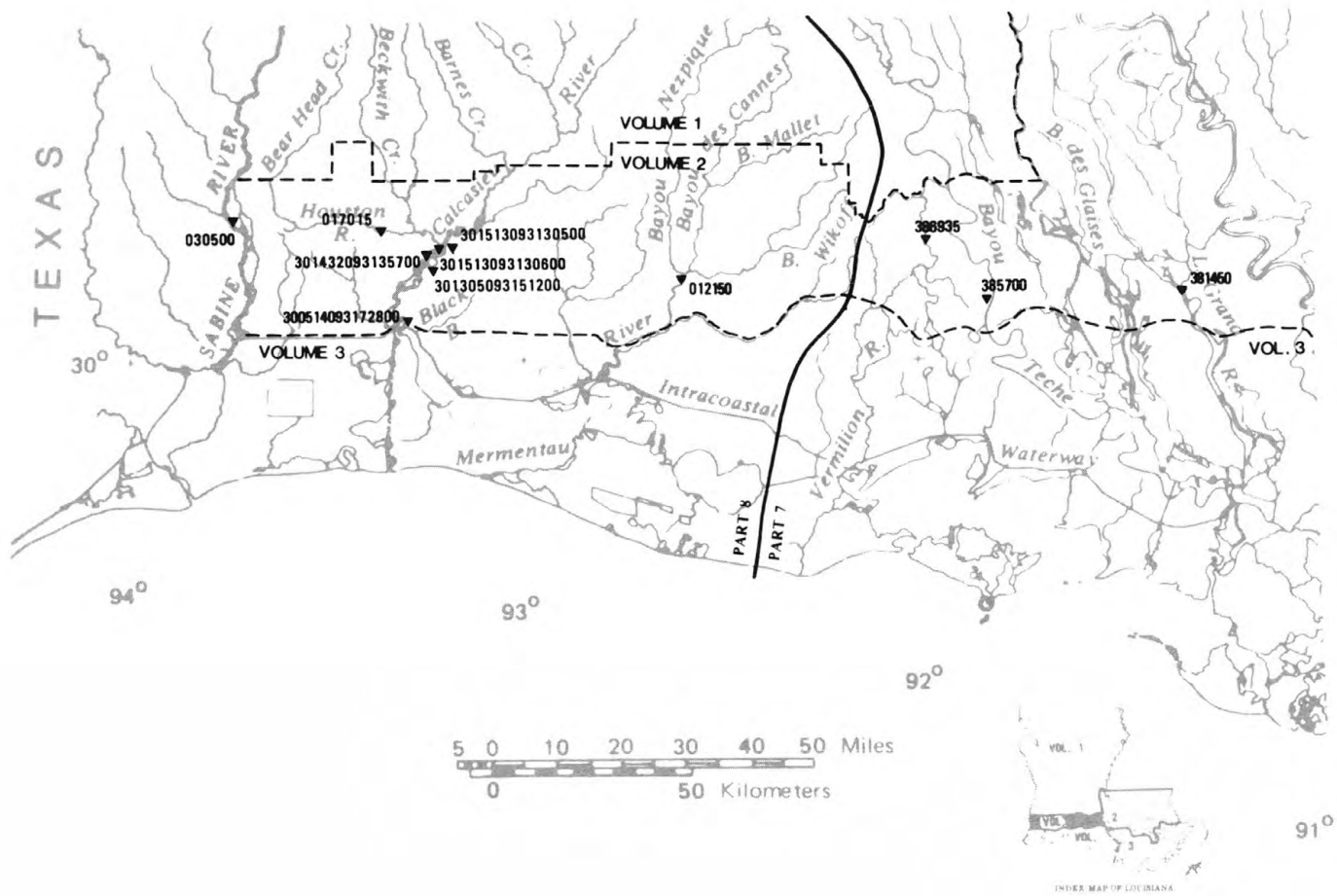


Figure 5.— Location of water-quality stations.

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

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--41 years, 9,547 ft³/s (270.4 m³/s), 19.56 in/yr (497 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 129,000 ft³/s (3,650 m³/s) Apr. 24, gage height, 23.23 ft (7.081 m); minimum, 1,430 ft³/s (40.5 m³/s) Nov. 5, gage height, 6.34 ft (1.932 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2660	1490	2940	3540	57000	45900	9900	48700	5790	2890	6540	5010
2	2790	1480	2860	6440	57000	48100	9410	43500	5720	2840	5870	5130
3	2830	1460	2840	10100	57000	49200	13300	31700	6080	2960	5270	5200
4	2870	1460	2930	13400	56800	50300	36600	16600	6660	3000	4820	5360
5	2860	1460	2930	15200	56800	50600	42500	12600	6720	2970	4410	5480
6	2840	1480	3360	15500	57000	51900	39200	12400	5950	2890	4430	5170
7	2800	1560	3990	15200	56300	52800	36500	13400	5280	2850	4650	4830
8	2770	1660	3790	15200	54000	54000	34800	15200	5570	3040	4970	4490
9	2700	1710	3460	15600	51200	54700	33400	17000	8150	4040	4640	4290
10	2650	1700	3900	16900	49000	55200	31000	17600	9780	5060	4440	4060
11	2590	1660	7550	18500	47400	56500	28400	17400	8980	6270	4530	3670
12	2550	1650	10500	19500	45700	55800	26400	16900	7040	7420	4740	3260
13	2500	1640	10200	20200	43700	54500	24900	16400	5550	10100	5030	3300
14	2430	1600	8370	20300	40800	53300	24000	15500	4530	14000	4570	4440
15	2200	1590	7830	19600	37100	52800	24900	13600	4090	16200	4190	4500
16	1980	1590	7370	19000	31000	52400	27100	11600	3890	17600	4110	3700
17	1830	1590	7030	18600	23400	51700	30400	10700	3740	18400	4080	4700
18	1700	1600	6100	17900	18600	50600	34300	11200	3530	18300	3740	6700
19	1660	1640	4690	16900	18200	49000	38200	11900	3330	17400	3420	8930
20	1640	1640	3830	16800	18000	46100	44200	12000	3210	16100	3280	9780
21	1600	1600	3430	23000	18200	39800	60400	10900	3120	14900	3250	11000
22	1590	1600	3260	30700	19400	23800	94400	8440	3040	13800	3210	15000
23	1590	1590	3060	35600	19000	15800	122000	7240	3030	12000	3790	18100
24	1570	1590	2890	40000	23800	13400	127000	7700	3030	10600	4630	19700
25	1530	1590	2940	43500	34500	11300	115000	7590	2980	11700	4440	20100
26	1510	1630	3310	46800	40200	10500	95700	8250	2940	14500	4050	20000
27	1520	1920	3400	49900	41400	11100	77400	8490	2900	14400	4340	20400
28	1520	2700	3300	51500	42900	11700	64700	7350	2860	13800	4330	20600
29	1500	3000	3160	52800	---	11900	57300	6120	2860	11000	4570	20200
30	1490	2870	3110	54500	---	11300	52600	5830	2890	8890	4600	19200
31	1480	---	3060	56500	---	10500	---	5950	---	7430	4700	---
TOTAL	65750	51750	141390	799180	1115400	1206500	1455910	449760	143240	307350	137640	286300
MEAN	2121	1725	4561	25780	39840	38920	48530	14510	4775	9915	4440	9543
MAX	2870	3000	10500	56500	57000	56500	127000	48700	9780	18400	6540	20600
MIN	1480	1460	2840	3540	18000	10500	9410	5830	2860	2840	3210	3260
CFSM	.32	.26	.69	3.89	6.01	5.87	7.32	2.19	.72	1.50	.67	1.44
IN.	.37	.29	.79	4.48	6.26	6.77	8.17	2.52	.80	1.72	.77	1.61
CAL YR 1978	TOTAL	3043270	MEAN	8338	MAX	37100	MIN	1460	CFSM	1.26	IN	17.08
WTR YR 1979	TOTAL	6160170	MEAN	16880	MAX	127000	MIN	1460	CFSM	2.55	IN	34.56

PEARL RIVER BASIN

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02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.28	6.43	8.69	9.51	20.43	19.94	14.71	20.07	12.62	9.22	13.19	11.92
2	8.47	6.41	8.57	12.32	20.43	20.04	14.43	19.83	12.56	9.14	12.68	12.04
3	8.53	6.38	8.55	14.81	20.43	20.09	16.07	19.21	12.86	9.33	12.18	12.11
4	8.58	6.37	8.67	16.35	20.42	20.14	19.46	17.57	13.28	9.38	11.73	12.26
5	8.57	6.37	8.67	16.96	20.42	20.15	19.78	16.44	13.32	9.34	11.28	12.36
6	8.55	6.42	9.28	17.06	20.43	20.21	19.62	16.34	12.75	9.22	11.30	12.08
7	8.49	6.55	10.07	16.97	20.40	20.25	19.48	16.74	12.19	9.15	11.56	11.74
8	8.44	6.71	9.82	16.97	20.30	20.30	19.39	17.30	12.43	9.44	11.88	11.37
9	8.35	6.80	9.41	17.09	20.18	20.33	19.31	17.72	14.28	10.81	11.55	11.13
10	8.27	6.78	9.96	17.49	20.08	20.35	19.17	17.85	15.19	11.97	11.31	10.84
11	8.18	6.72	13.14	17.89	20.01	20.41	19.00	17.80	14.77	13.00	11.43	10.34
12	8.13	6.70	15.04	18.12	19.93	20.38	18.85	17.70	13.55	13.82	11.65	9.76
13	8.05	6.69	14.85	18.23	19.84	20.32	18.73	17.61	12.42	15.34	11.94	9.81
14	7.96	6.62	13.76	18.24	19.70	20.27	18.65	17.38	11.43	16.92	11.47	11.31
15	7.62	6.60	13.38	18.13	19.51	20.25	18.73	16.81	10.87	17.55	11.00	11.39
16	7.25	6.60	13.05	18.02	19.17	20.23	18.91	16.02	10.63	17.84	10.90	10.38
17	7.00	6.60	12.79	17.92	18.60	20.20	19.13	15.67	10.44	17.98	10.86	11.61
18	6.79	6.62	12.07	17.76	17.93	20.15	19.36	15.87	10.14	17.97	10.44	13.31
19	6.71	6.68	10.83	17.48	---	20.08	19.57	16.18	9.86	17.79	9.99	14.74
20	6.69	6.68	9.88	17.45	---	19.95	19.86	16.22	9.68	17.52	9.79	15.19
21	6.61	6.62	9.37	18.56	17.82	19.65	20.57	15.73	9.56	17.23	9.74	15.80
22	6.60	6.61	9.14	19.15	18.09	18.64	21.95	14.45	9.45	16.85	9.68	17.24
23	6.60	6.60	8.86	19.43	18.02	17.18	23.00	13.69	9.43	16.22	10.50	17.93
24	6.57	6.60	8.62	19.66	18.64	16.36	23.18	14.02	9.43	15.61	11.54	18.18
25	6.50	6.60	8.69	19.83	19.37	15.42	22.74	13.94	9.36	16.08	11.31	18.24
26	6.47	6.66	9.22	19.98	19.67	15.06	22.00	14.34	9.30	17.09	10.82	18.23
27	6.49	7.15	9.34	20.12	19.73	15.36	21.27	14.48	9.23	17.08	11.19	18.27
28	6.48	8.35	9.20	20.19	19.80	15.63	20.75	13.77	9.17	16.85	11.18	18.30
29	6.45	8.77	9.01	20.25	---	15.70	20.44	12.89	9.16	15.80	11.48	18.25
30	6.43	8.58	8.93	20.32	---	15.46	20.24	12.65	9.22	14.72	11.51	18.11
31	6.42	---	8.86	20.41	---	15.05	---	12.75	---	13.83	11.61	---
MEAN	7.44	6.81	10.31	17.83	---	18.82	19.61	16.10	11.29	14.20	11.25	13.81
MAX	8.58	8.77	15.04	20.41	20.43	20.41	23.18	20.07	15.19	17.98	13.19	18.30
MIN	6.42	6.37	8.55	9.51	---	15.05	14.43	12.65	9.16	9.14	9.68	9.76

PEARL RIVER BASIN

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 Sep. 10, 1965; minimum, 17 micromhos Apr. 26, 1979.

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

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, 120 micromhos Aug. 13; minimum, 17 micromhos Apr. 26.

pH: Maximum, 7.4 units June 18, Aug. 29; minimum, 5.5 units Feb. 5, 6, 7, 8.

WATER TEMPERATURES: Maximum, 32.0°C July 6; minimum, 5.0°C Jan. 15, Feb. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CUBALF UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 10...	1600	2640	80	6.8	22.0	30	20	9.2	2.0
NOV 20...	1200	--	100	6.7	18.5	30	20	8.9	2.1
DEC 05...	1100	2890	95	6.7	15.5	40	20	9.1	1.1
JAN 19...	1200	16800	68	6.3	8.0	80	50	9.8	1.4
FEB 21...	1330	17400	58	6.3	9.5	70	45	10.9	5.0
MAR 13...	1130	54500	38	6.1	16.0	60	40	8.9	--
APR 12...	1200	26400	46	6.1	21.0	70	45	8.1	--
MAY 16...	1130	11600	64	5.8	22.5	70	35	6.9	1.0
JUN 13...	1000	5650	70	6.6	25.5	100	55	6.6	1.3
JUL 05...	1200	2970	92	7.0	29.5	10	15	7.2	4.5
AUG 01...	1030	6580	72	6.1	30.0	60	25	7.1	1.9
SEP 04...	1215	5360	75	6.1	28.5	60	35	7.3	3.5

PEARL RIVER BASIN

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02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS, (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)
OCT 10...	60	1900	14	0	3.5	1.2	8.3	53	1.0	--	2.0	20
NOV 20...	K40	280	11	0	2.9	1.0	13	67	1.7	--	2.2	24
DEC 05...	K500	K120	13	0	3.3	1.1	13	64	1.6	--	2.2	22
JAN 19...	K45	140	15	9	3.8	1.3	5.2	39	.6	--	2.2	7
FEB 21...	K900	660	13	6	3.5	1.1	4.9	41	.6	--	1.4	9
MAR 13...	K120	4400	9	3	2.3	.8	2.7	34	.4	--	1.7	7
APR 12...	K130	310	11	3	2.6	1.1	3.4	36	.4	--	1.6	10
MAY 16...	K80	420	15	4	4.2	1.2	7.1	46	.8	--	2.4	14
JUN 13...	K70	520	16	2	4.5	1.1	6.8	45	.7	8.8	2.0	17
JUL 05...	K20	K85	17	0	4.5	1.4	11	55	1.2	13	1.8	26
AUG 01...	K80	340	15	2	4.1	1.2	5.9	42	.7	7.7	1.8	16
SEP 04...	150	140	15	3	3.9	1.2	6.7	45	.8	9.0	2.3	14

DATE	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N)
OCT 10...	0	16	5.1	8.6	6.7	.1	7.7	56	48	.08	.24	--
NOV 20...	0	20	7.7	7.4	9.5	.1	10	65	58	.09	.16	--
DEC 05...	0	18	7.0	13	9.0	.1	10	62	63	.08	.30	--
JAN 19...	0	6	5.6	12	5.1	.0	7.2	44	40	.06	.30	--
FEB 21...	0	7	7.2	12	4.7	.0	8.5	41	41	.06	.21	--
MAR 13...	0	6	8.9	4.7	3.3	.1	6.1	36	25	.05	.06	--
APR 12...	0	8	13	7.2	3.7	.1	6.0	40	31	.05	.17	--
MAY 16...	0	11	36	8.9	6.9	.1	7.4	55	45	.07	.27	--
JUN 13...	0	14	6.8	8.8	6.5	.1	7.1	57	45	.08	.37	--
JUL 05...	0	21	4.2	9.3	9.2	.1	5.8	60	56	.08	.01	--
AUG 01...	0	13	20	6.3	5.9	.1	8.8	58	42	.08	.25	--
SEP 04...	0	11	18	8.4	6.9	.1	8.8	58	47	.08	.43	.42

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

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT 10...	.01	.01	.53	.54	--	--	.78	--
NOV 20...	.08	.10	.74	.82	.00	.82	.98	--
DEC 05...	.03	.04	.34	.37	.01	.36	.67	--
JAN 19...	.10	.12	.73	.83	.00	.83	1.1	--
FEB 21...	.10	.12	.38	.48	.03	.45	.69	--
MAR 13...	.09	.12	--	--	--	.56	--	--
APR 12...	.06	.07	.52	.58	.06	.52	.75	--
MAY 16...	.19	.23	.81	1.0	.05	.95	1.3	--
JUN 13...	.06	.07	.64	.70	.12	.58	1.1	--
JUL 05...	.05	.06	.63	.68	.22	.46	.69	--
AUG 01...	.01	.01	.64	.65	.33	.32	.90	--
SEP 04...	.06	.07	1.2	1.3	.00	1.3	1.7	1.7

DATE	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 10...	3.5	.11	--	.34	.04	6.7	--	--
NOV 20...	4.3	.09	--	.28	.05	3.2	--	--
DEC 05...	3.0	.13	--	.40	.09	5.5	--	--
JAN 19...	5.0	.15	--	.46	.02	--	9.0	3.1
FEB 21...	3.1	.11	--	.34	.03	8.0	--	--
MAR 13...	--	.08	--	.25	.02	7.9	--	--
APR 12...	3.3	.10	.31	.31	.03	--	6.7	--
MAY 16...	5.6	.09	.28	.28	.03	8.3	--	--
JUN 13...	4.7	.65	2.0	2.0	.36	9.1	--	--
JUL 05...	3.1	.05	.15	.15	.01	--	--	--
AUG 01...	4.0	.10	--	.31	.04	--	5.6	.6
SEP 04...	7.7	.08	--	.25	.04	--	--	--

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
NOV 20...	23000
MAR 13...	1000
JUN 13...	1400

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	98	91	94	90	100	63	90	64	43	40	39	32
2	93	85	92	90	77	68	106	89	45	41	41	36
3	95	89	90	88	100	78	96	66	46	45	45	34
4	96	88	90	88	98	86	70	64	52	46	49	44
5	87	83	92	89	85	78	65	59	54	53	49	47
6	83	78	90	86	93	76	64	60	55	44	48	44
7	101	84	88	82	92	81	64	60	56	49	47	41
8	98	78	81	77	116	96	64	57	54	45	42	41
9	78	75	83	78	104	83	80	57	47	45	43	39
10	78	74	84	79	88	74	57	54	49	48	44	39
11	78	74	86	83	120	74	65	57	50	48	41	40
12	78	75	90	84	118	55	58	52	49	45	44	40
13	95	75	94	89	58	52	56	51	52	48	---	---
14	95	91	97	91	67	57	52	51	52	47	---	---
15	95	91	100	96	78	69	52	47	54	50	---	---
16	91	81	100	96	82	72	59	53	56	51	---	---
17	82	77	99	94	74	73	62	58	56	55	---	---
18	81	77	94	90	78	74	59	54	56	55	---	---
19	79	76	91	87	76	71	56	54	60	55	---	---
20	79	76	90	87	72	67	57	55	59	54	---	---
21	81	77	90	87	74	68	57	45	59	54	---	---
22	85	81	91	86	84	73	47	38	59	54	---	---
23	89	84	91	88	88	81	39	34	58	54	45	40
24	94	90	90	87	87	81	39	35	57	44	50	44
25	99	94	88	84	87	83	39	36	42	37	49	44
26	110	99	85	83	98	84	41	37	40	33	54	48
27	107	98	84	78	105	94	42	37	36	32	51	49
28	107	104	94	75	94	78	39	38	36	32	54	50
29	107	103	92	68	89	78	40	36	---	---	59	48
30	105	93	67	62	104	92	40	36	---	---	59	49
31	94	90	---	---	95	68	42	38	---	---	49	48
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	55	48	54	38	82	72	98	95	78	69	82	73
2	55	54	59	53	87	78	98	95	83	77	83	73
3	55	38	59	58	98	87	101	91	86	78	79	68
4	35	24	65	58	97	86	98	91	109	74	98	64
5	35	25	65	63	98	83	96	91	79	74	66	62
6	41	34	63	61	88	79	96	91	80	74	70	64
7	50	40	64	58	80	70	98	91	87	77	66	63
8	51	45	57	47	80	70	97	86	87	79	66	65
9	49	43	62	51	97	79	97	85	87	79	65	62
10	47	43	47	43	94	68	91	65	90	83	70	60
11	47	43	46	42	74	69	86	70	87	80	73	69
12	47	43	46	42	74	69	97	56	94	83	73	71
13	46	42	47	42	80	73	57	46	120	83	70	66
14	48	46	47	46	87	77	56	39	83	74	119	52
15	48	42	56	45	88	83	54	43	79	75	49	46
16	46	42	66	55	90	83	60	40	81	76	57	49
17	48	42	85	65	94	89	50	40	79	72	74	53
18	48	45	86	69	100	90	59	45	80	74	106	74
19	48	42	64	54	100	94	74	53	78	75	105	75
20	45	41	55	50	98	93	60	55	78	74	73	54
21	42	37	60	51	94	89	64	53	79	75	66	55
22	37	30	63	56	100	90	75	55	81	74	67	45
23	31	26	62	58	100	93	68	58	77	68	45	42
24	27	25	63	58	99	96	73	58	83	64	51	41
25	27	20	73	63	103	98	79	58	63	58	54	50
26	30	17	88	72	103	98	62	49	68	58	50	47
27	30	25	82	68	99	92	63	52	76	66	50	48
28	33	25	73	68	99	92	59	49	68	61	53	49
29	39	29	76	68	99	93	59	49	82	69	54	52
30	44	36	79	72	99	93	63	56	77	69	54	52
31	---	---	102	72	---	---	73	62	75	67	---	---

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

TEMPERATURE (DEG. C) OF WATER: WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	8.8	8.3	8.2	7.5	---	---	---	---	9.3	8.7	---	---
2	8.9	8.3	7.4	7.0	---	---	---	---	---	---	---	---
3	8.4	8.0	---	---	---	---	---	---	10.1	9.8	---	---
4	7.9	7.4	---	---	---	---	---	---	10.2	8.7	8.6	8.4
5	---	---	---	---	---	---	---	---	10.2	7.6	8.7	8.5
6	---	---	---	---	---	---	9.4	9.1	10.0	6.1	9.1	8.5
7	---	---	---	---	8.5	7.9	9.6	9.4	10.0	6.8	8.9	8.7
8	---	---	---	---	7.9	6.8	9.7	9.5	---	---	8.9	8.5
9	---	---	---	---	---	---	9.9	9.7	---	---	---	---
10	---	---	---	---	---	---	9.8	9.3	---	---	---	---
11	---	---	---	---	---	---	9.4	9.2	---	---	9.1	8.6
12	---	---	---	---	---	---	9.5	9.0	---	---	9.2	8.2
13	---	---	---	---	---	---	9.6	7.8	---	---	9.2	8.8
14	---	---	---	---	---	---	9.3	5.3	11.0	10.9	8.9	8.3
15	---	---	---	---	---	---	9.5	6.6	10.9	10.4	---	---
16	---	---	---	---	---	---	9.8	5.9	10.4	10.1	---	---
17	---	---	8.8	8.0	---	---	9.8	7.7	10.1	9.8	---	---
18	---	---	8.2	7.4	---	---	---	---	9.8	9.2	---	---
19	8.9	8.1	---	---	---	---	10.7	10.3	9.9	9.4	---	---
20	8.2	7.5	---	---	8.9	8.4	10.3	9.7	10.2	9.8	---	---
21	7.5	6.6	---	---	8.4	7.7	9.7	8.7	10.3	9.7	---	---
22	---	---	---	---	---	---	8.9	7.9	10.3	9.8	---	---
23	---	---	---	---	---	---	---	---	9.9	8.7	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	8.7	8.2	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	---	---	---	---	9.1	8.2	---	---	---	---	7.5	6.8
2	---	---	---	---	9.3	8.6	---	---	---	---	7.0	6.7
3	---	---	---	---	9.2	8.5	---	---	---	---	7.2	6.7
4	---	---	---	---	9.8	8.8	---	---	---	---	7.2	6.8
5	---	---	---	---	9.8	8.7	---	---	---	---	7.2	6.8
6	---	---	---	---	8.9	8.4	---	---	---	---	7.1	6.8
7	7.5	7.4	---	---	8.3	8.0	---	---	---	---	7.2	6.7
8	7.5	7.1	---	---	8.8	8.0	---	---	---	---	7.5	6.9
9	7.4	7.1	---	---	8.6	7.9	---	---	---	---	7.7	7.0
10	7.2	6.9	---	---	8.0	7.2	---	---	---	---	7.7	7.1
11	---	---	---	---	7.5	7.1	---	---	---	---	7.8	7.0
12	---	---	---	---	8.0	7.6	---	---	---	---	7.5	7.0
13	---	---	---	---	8.1	7.9	---	---	---	---	7.9	7.1
14	---	---	---	---	8.2	7.9	---	---	---	---	7.8	7.1
15	---	---	---	---	8.4	7.9	---	7.8	6.8	7.3	6.9	
16	---	---	---	---	9.2	8.1	---	8.3	7.0	8.0	7.2	
17	---	---	---	---	10.8	8.7	---	8.3	7.0	7.8	7.4	
18	---	---	---	---	11.3	9.1	---	7.8	7.0	7.9	7.4	
19	---	---	---	---	10.0	8.3	---	7.7	6.5	7.6	7.1	
20	---	---	---	---	---	---	---	7.1	6.1	7.3	7.0	
21	---	---	---	---	8.3	7.6	---	6.4	5.4	7.5	7.2	
22	---	---	8.0	7.6	8.3	7.0	---	6.1	5.3	7.5	7.0	
23	---	---	8.6	7.8	8.3	7.1	---	6.3	5.4	6.9	6.6	
24	---	---	8.8	8.3	8.0	6.8	---	6.5	5.8	6.6	6.5	
25	---	---	9.3	8.5	7.4	6.4	---	6.8	6.1	6.8	6.4	
26	---	---	10.3	9.2	---	---	---	7.1	6.1	7.1	6.8	
27	---	---	9.6	8.9	---	---	---	8.1	6.8	7.2	7.1	
28	---	---	8.9	8.5	---	---	---	8.2	6.9	7.3	7.2	
29	---	---	8.4	8.2	---	---	---	8.2	7.2	7.2	7.1	
30	---	---	8.3	8.1	---	---	---	8.2	6.8	7.2	6.9	
31	---	---	8.4	8.1	---	---	---	7.8	7.1	---	---	

PEARL RIVER BASIN

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02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	NOV 20, 78 1200	MAR 13, 79 1130	MAY 16, 79 1130	JUN 13, 79 1000	JUL 5, 79 1200					
TOTAL CELLS/ML	23000	1000	2600	1400	120000					
DIVERSITY: DIVISION	1.4	0.7	1.3	1.5	1.2					
..CLASS	1.4	0.7	1.3	1.5	1.2					
...ORDER	1.5	0.9	1.5	1.7	1.3					
...FAMILY	1.5	0.9	2.2	2.0	1.5					
...GENUS	2.5	1.6	3.1	2.6	2.6					
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCEALES										
...UCYSTACEAE										
....DICHOTOMOCUCCUS	4500#	21	--	-	--	-	--	-	--	-
....CHARACIACEAE	--	-	--	-	26	1	--	-	--	-
....SCHWUEBIIA	--	-	--	-	26	1	--	-	--	-
....MICHACIINIACEAE	--	-	--	-	230	9	--	-	1100	1
....GULENKINIA	--	-	--	-	26	1	--	-	--	-
....MICHACIINIUM	--	-	--	-	230	9	--	-	1100	1
...UCYSTACEAE										
....ANKISTRODESMAUS	130	1	200#	20	77	3	26	2	1700	1
....CHODATELLA	--	-	--	-	--	-	13	1	* 0	
....CLOSTERIOPSIS	--	-	14	1	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	580#	56	--	-	52	4	2300	2
....KIRCHNERIELLA	1100	5	--	-	--	-	--	-	--	-
...UCYSTIS	1100	5	--	-	52	2	--	-	--	-
....SELENASTRUM	--	-	--	-	--	-	--	-	2000	2
....TETRAEDRON	--	-	--	-	13	1	--	-	* 0	
....PSTIELLA	--	-	--	-	--	-	--	-	1100	1
....SCENEDESMACEAE										
...ACTINASTRUM	--	-	--	-	--	-	--	-	11000	10
...CHUCIGENTIA	--	-	--	-	310	12	210	14	860	1
...SCENEDESMUS	--	-	--	-	360	14	260#	18	4600	4
...TETRASTIRUM	--	-	--	-	410#	16	--	-	1100	1
...TETRASTIRALES										
...COCCOMYXACEAE										
...ELAKATUTHRIA	--	-	--	-	26	1	--	-	--	-
...PALMELLACEAE										
...GLOEUCYSTIS	--	-	14	1	--	-	--	-	--	-
...VULVOCALES										
...CHLAMYDOMONADACEAE										
...CHLAMYDOMONAS	--	-	--	-	13	1	13	1	--	-
...ZYGNEMATALES										
...DESMIDIACEAE										
...CLOSTERIUM	--	-	14	1	--	-	--	-	* 0	
...COSMARION	--	-	--	-	--	-	13	1	* 0	
CHRYSPHYTA										
..MACILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCACEAE										
...CYCLOTELLA	6900#	30	--	-	52	2	26	2	11000	9
...MELUSIRA	6400#	28	200#	20	750#	29	610#	42	1100	1
...PENIALES										
...FRAGILARIACEAE										
...FRAGILARIA	270	1	--	-	--	-	--	-	--	-
...SYNEDRA	--	-	--	-	--	-	13	1	--	-
...NITZSCHIA	--	-	--	-	39	2	--	-	* 0	
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCEALES										
...CHROOCOCCEACEAE										
...AGMENELLUM	--	-	--	-	--	-	100	7	32000#	27
...ANACYSTIS	1900	8	--	-	130	5	77	5	47000#	39
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENA	130	1	--	-	26	1	--	-	--	-
...TRACHELOMONAS	530	2	--	-	13	1	26	2	--	-

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

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

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

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

DAY	OCTOBER		NOVEMBER		DECEMBER	
	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	68	488	---	---	16	127
2	62	467	---	---	27	208
3	55	420	---	---	30	230
4	58	449	---	---	30	237
5	62	479	---	---	27	214
6	57	437	---	---	27	245
7	47	355	---	---	31	334
8	49	366	---	---	---	---
9	57	416	---	---	---	---
10	51	365	---	---	---	---
11	29	203	---	---	---	---
12	32	220	---	---	---	---
13	43	290	---	---	---	---
14	---	---	---	---	---	---
15	---	---	---	---	---	---
16	---	---	---	---	---	---
17	---	---	---	---	---	---
18	---	---	---	---	---	---
19	---	---	---	---	---	---
20	---	---	---	---	---	---
21	---	---	---	---	---	---
22	---	---	---	---	---	---
23	---	---	---	---	---	---
24	---	---	---	---	---	---
25	40	165	---	---	---	---
26	38	155	---	---	---	---
27	43	176	---	---	---	---
28	---	---	16	117	---	---
29	---	---	16	130	---	---
30	---	---	14	108	---	---
31	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---
DAY	JANUARY		FEBRUARY		MARCH	
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	---	---	---	---	---	---
2	---	---	---	---	---	---
3	---	---	---	---	---	---
4	---	---	---	---	---	---
5	---	---	---	---	---	---
6	---	---	---	---	107	15000
7	---	---	---	---	80	11400
8	---	---	---	---	96	14000
9	---	---	---	---	72	10600
10	---	---	---	---	88	13100
11	---	---	---	---	90	13700
12	---	---	---	---	98	14800
13	---	---	---	---	88	12900
14	---	---	---	---	83	11900
15	---	---	---	---	---	---
16	---	---	---	---	---	---
17	---	---	---	---	---	---
18	---	---	---	---	---	---
19	---	---	---	---	---	---
20	---	---	---	---	---	---
21	---	---	---	---	---	---
22	---	---	---	---	---	---
23	---	---	---	---	---	---
24	---	---	---	---	---	---
25	---	---	---	---	---	---
26	---	---	---	---	---	---
27	---	---	---	---	---	---
28	---	---	---	---	---	---
29	---	---	---	---	---	---
30	---	---	---	---	---	---
31	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

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

DAY	AUGUST		SEPTEMBER	
	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	---	---	95	1290
2	---	---	95	1320
3	---	---	93	1310
4	---	---	78	1130
5	---	---	79	1170
6	---	---	92	1280
7	---	---	87	1130
8	---	---	88	1070
9	---	---	89	1030
10	---	---	98	1070
11	---	---	97	961
12	---	---	88	775
13	---	---	99	882
14	---	---	117	1400
15	---	---	111	1350
16	---	---	96	959
17	---	---	97	1230
18	---	---	126	2280
19	---	---	159	3830
20	---	---	154	4070
21	---	---	129	3830
22	---	---	216	8750
23	---	---	270	13200
24	---	---	253	13500
25	---	---	222	12000
26	---	---	186	10000
27	100	1170	180	9910
28	99	1160	173	9620
29	113	1390	154	8400
30	85	1060	135	7000
31	82	1040	---	---

PEARL RIVER BASIN

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

LOCATION.--Lat 30°46'56", long 89°52'24", in SE¼ sec.15, T.3 S., R.13 E., St. Helena meridian, Washington Parish, Hydrologic Unit 03180004, near center of span on downstream side of bridge on State Highway 439, at Bogalusa, 0.3 mi (0.5 km) upstream from Ice Water Branch, 0.9 mi (1.4 km) downstream from Adams Creek, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--72.7 mi² (188.3 km²).

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

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

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

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--16 years, 116 ft³/s (3.285 m³/s), 21.67 in/yr (550 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 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) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Apr. 4	unknown about	*2700 76.5	unknown ---	Apr. 22	unknown	2280 64.6	a7.90 2.408
a From flood mark.							
Minimum discharge, 29 ft ³ /s (0.821 m ³ /s) Nov. 5, gage height, 3.76 ft (1.146 m).							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	32	95	85	215	171	92	110	180	44	80	55
2	46	32	65	123	140	148	92	100	150	44	73	67
3	41	31	58	90	139	265	908	90	140	45	67	109
4	40	30	84	66	259	507	2200	92	90	43	66	70
5	39	30	144	60	276	364	1500	130	79	39	61	53
6	37	31	94	59	624	214	700	100	78	37	59	107
7	35	47	69	150	834	169	260	90	70	36	58	296
8	34	50	65	164	592	146	200	84	65	60	54	107
9	33	42	84	95	298	131	150	80	61	112	51	67
10	32	38	70	74	199	138	135	76	55	269	51	55
11	32	37	66	67	162	373	120	74	53	264	49	49
12	32	36	64	66	139	236	110	240	49	407	52	46
13	33	37	60	69	126	159	115	300	48	223	72	57
14	32	36	56	65	119	139	140	250	48	320	61	65
15	31	35	54	60	111	123	100	200	47	300	83	55
16	30	36	60	58	103	110	93	87	69	138	108	46
17	30	37	82	57	96	115	87	78	81	119	62	45
18	30	37	70	58	153	108	84	73	57	82	53	86
19	30	37	64	58	203	105	78	72	50	78	54	427
20	30	37	60	212	146	99	78	69	47	95	54	202
21	30	37	58	403	291	95	800	64	46	115	73	499
22	30	36	68	219	207	102	2000	66	46	102	60	289
23	30	35	62	287	286	368	1600	167	46	106	60	125
24	30	36	58	509	907	244	1000	161	45	140	70	90
25	31	37	56	326	1000	134	700	90	45	515	70	77
26	32	38	54	177	474	109	400	72	54	464	67	73
27	32	157	51	226	262	100	240	71	45	394	61	70
28	31	268	51	181	199	95	180	69	41	233	58	67
29	30	123	49	124	---	94	140	68	40	148	53	63
30	30	148	54	126	---	92	120	90	44	113	50	59
31	31	---	64	313	---	92	---	170	---	93	49	---
TOTAL	1037	1643	2089	4627	8560	5345	14422	3483	1969	5178	1939	3476
MEAN	33.5	54.8	67.4	149	306	172	481	112	65.6	167	62.5	116
MAX	53	268	144	509	1000	507	2200	300	180	515	108	499
MIN	30	30	49	57	96	92	78	64	40	36	49	45
CFSM	.46	.75	.93	2.05	4.21	2.37	6.62	1.54	.90	2.30	.86	1.60
IN.	.53	.84	1.07	2.37	4.38	2.73	7.38	1.78	1.01	2.65	.99	1.78
CAL YR 1978	TOTAL	39899	MEAN 109	MAX 731	MIN 30	CFSM 1.50	IN 20.42					
WTR YR 1979	TOTAL	53768	MEAN 147	MAX 2200	MIN 30	CFSM 2.02	IN 27.51					

PEARL RIVER BASIN

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

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	3.78	4.02	3.98	4.30	4.21	4.01	---	---	3.83	3.97	3.88
2	3.84	3.78	3.92	4.10	4.14	4.16	4.01	---	---	3.83	3.94	3.92
3	3.82	3.78	3.89	4.00	4.14	4.40	5.47	---	---	3.84	3.92	4.06
4	3.81	3.77	3.94	3.92	4.39	4.83	---	---	---	3.83	3.92	3.93
5	3.81	3.77	4.15	3.90	4.42	4.58	---	---	---	3.81	3.90	3.87
6	3.80	3.78	4.01	3.89	5.00	4.31	---	---	---	3.80	3.90	4.04
7	3.79	3.85	3.93	4.16	5.34	4.21	---	---	---	3.80	3.89	4.45
8	3.79	3.86	3.92	4.20	4.95	4.16	---	---	---	3.88	3.87	4.05
9	3.78	3.82	---	4.02	4.46	4.12	---	---	---	4.06	3.86	3.92
10	3.78	3.80	---	3.95	4.28	4.14	---	---	---	4.40	3.86	3.88
11	3.78	3.80	---	3.92	4.19	4.59	---	---	---	4.38	3.86	3.86
12	3.78	3.79	---	3.92	4.14	4.35	---	---	---	4.65	3.86	3.84
13	3.78	3.80	---	3.93	4.11	4.19	---	---	3.85	4.32	3.94	3.88
14	3.78	3.80	---	3.92	4.09	4.14	---	---	3.85	4.50	3.90	3.92
15	3.77	3.79	---	3.90	4.07	4.10	---	---	3.84	4.46	3.97	3.88
16	3.77	3.80	---	3.89	4.04	4.06	---	3.99	3.93	4.14	4.05	3.84
17	3.77	3.80	---	3.88	4.02	4.08	---	3.96	3.97	4.09	3.91	3.84
18	3.77	3.80	---	3.89	4.17	4.06	---	3.94	3.89	3.97	3.87	3.95
19	3.77	3.80	---	3.89	4.28	4.05	---	3.94	3.86	3.96	3.87	4.69
20	3.77	3.80	---	4.24	4.16	4.03	---	3.93	3.84	4.01	3.87	4.28
21	3.77	3.80	---	4.65	4.45	4.02	---	3.91	3.84	4.08	3.94	4.82
22	3.77	3.80	---	4.31	4.29	4.04	---	3.92	3.84	4.04	3.90	4.44
23	3.77	3.79	---	4.40	4.44	4.58	---	4.19	3.84	4.05	3.90	4.10
24	3.77	3.80	---	4.83	5.44	4.36	---	4.19	3.84	4.14	3.93	4.00
25	3.77	3.80	---	4.51	5.59	4.13	---	4.00	3.84	4.83	3.94	3.96
26	3.78	3.81	---	4.23	4.76	4.06	---	3.94	3.88	4.76	3.92	3.94
27	3.78	4.14	3.86	4.33	4.40	4.03	---	---	3.84	4.63	3.90	3.93
28	3.78	4.41	3.86	4.24	4.28	4.01	---	---	3.82	4.34	3.89	3.92
29	3.77	4.10	3.86	4.10	---	4.01	---	---	3.82	4.16	3.87	3.91
30	3.77	4.16	3.87	4.10	---	4.01	---	---	3.83	4.07	3.86	3.89
31	3.77	---	3.91	4.49	---	4.01	---	---	---	4.01	3.85	---
MEAN	3.78	3.85	---	4.12	4.44	4.19	---	---	---	4.15	3.90	4.03
MAX	3.87	4.41	4.15	4.83	5.59	4.83	---	---	---	4.83	4.05	4.82
MIN	3.77	3.77	---	3.88	4.02	4.01	---	---	3.82	3.80	3.85	3.84

PEARL RIVER BASIN

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA

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

DRAINAGE AREA.--Not determined.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1975 to current year.

pH: June 1975 to current year.

WATER TEMPERATURES: June 1975 to current year.

DISSOLVED OXYGEN: June 1975 to current year.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 160 micromhos June 1, 1977; minimum, 30 micromhos Apr. 22, 1977.

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

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 143 micromhos Nov. 16; minimum, 32 micromhos July 14.

pH: Maximum, 7.8 units Aug. 10, 11; minimum, 5.3 units Feb. 13.

WATER TEMPERATURES: Maximum, 31.0°C Aug. 10; minimum, 5.0°C Jan. 15.

DISSOLVED OXYGEN: Maximum, 12.4 mg/L Jan. 17; minimum, 5.8 mg/L June 7.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	pH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT											
10...	1315	102	6.6	21.0	50	20	9.2	3.0	K200	K7400	14
NOV											
20...	1100	129	6.8	18.5	40	20	8.5	2.9	K10	1100	12
DEC											
05...	1000	118	6.7	16.0	70	20	9.8	--	K250	K180	13
JAN											
19...	1100	73	6.4	8.5	80	45	9.8	1.5	K65	140	15
FEB											
21...	1445	59	6.2	9.5	70	40	10.3	2.2	450	380	12
MAR											
13...	1100	41	6.1	15.5	50	35	8.6	--	K50	2100	9
APR											
12...	1300	49	6.1	20.0	70	30	6.4	--	460	410	13
MAY											
15...	1200	64	5.9	23.5	100	30	7.0	2.7	K70	340	13
JUN											
13...	1045	79	6.7	25.5	100	50	6.3	.7	K80	600	16
JUL											
05...	1230	100	7.0	30.0	30	10	6.6	2.3	K30	K80	19
AUG											
01...	1100	77	6.1	29.5	80	30	6.7	1.6	<5	1500	16
SEP											
04...	1245	110	6.2	29.0	80	40	6.6	2.8	K160	K3400	18

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

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

PEARL RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
OCT 10...	0	3.7	1.2	13	63	1.5	2.1	25	0	21
NOV 20...	0	3.9	.5	21	75	2.7	2.5	32	0	26
DEC 05...	0	3.5	1.1	17	69	2.0	2.4	26	0	21
JAN 19...	4	3.9	1.2	6.7	45	.8	2.3	13	0	11
FEB 21...	5	3.0	1.1	5.4	46	.7	1.4	9	0	7
MAR 13...	3	2.7	.5	4.0	46	.6	1.7	7	0	6
APR 12...	1	3.7	.9	4.1	37	.5	1.6	14	0	11
MAY 16...	--	3.6	.9	6.9	49	.8	2.3	--	0	--
JUN 13...	0	4.4	1.2	8.9	51	1.0	2.1	20	0	16
JUL 05...	0	5.4	1.3	12	55	1.2	1.8	28	0	23
AUG 01...	2	4.3	1.3	7.9	48	.9	1.8	17	0	14
SEP 04...	4	5.3	1.1	13	57	1.3	2.6	17	0	14

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLOU- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 10...	12	7.2	.2	7.7	75	60	.10	.20	.75	.95	4.2	.11
NOV 20...	21	8.4	.1	10	98	83	.13	.11	.56	.67	3.0	.10
DEC 05...	16	9.3	.1	11	83	73	.11	.25	.43	.68	3.0	.08
JAN 19...	13	5.6	.0	7.4	62	47	.08	.26	.64	.90	4.0	.09
FEB 21...	13	4.4	.0	8.6	47	41	.06	.19	.47	.66	2.9	.06
MAR 13...	6.5	3.5	.1	6.8	51	29	.07	.08	.51	.59	2.6	.07
APR 12...	7.6	3.7	.1	6.2	43	35	.05	.17	.55	.72	3.2	.08
MAY 16...	8.4	5.5	.1	6.8	51	--	.07	.24	1.1	1.3	5.9	.07
JUN 13...	11	6.7	.1	7.0	70	51	.10	.36	.75	1.1	4.9	.14
JUL 05...	11	8.9	.1	6.3	67	61	.09	.01	.73	.74	3.3	.06
AUG 01...	6.4	8.8	.1	9.3	59	47	.04	.25	.73	.98	4.3	.11
SEP 04...	11	16	.1	9.3	76	67	.10	.46	1.4	1.9	8.2	.07

PEARL RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 10...	1	2	0	8	200	0	50	.0	20	9.5	.00	9
JAN 19...	0	3	0	7	120	2	30	.0	10	9.1	--	--
JUL 05...	1	0	0	2	220	2	40	.1	10	--	--	--
AUG 01...	--	--	--	--	--	--	--	--	--	9.4	--	--

DATE	PCH, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	UDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 10...	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00
APR 12...	.0	.00	.00	.0	.00	.00	.00	.01	.00	.00	.00	.00

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 10...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00
APR 12...	.00	.00	.00	.00	.00	.00	.00	0	.00	.01	.00	.00

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	108	98	128	116	125	93	96	76	42	39	44	40
2	106	99	129	116	110	104	103	77	44	40	71	44
3	107	98	132	119	124	110	91	69	45	42	51	44
4	111	103	129	122	126	123	69	65	48	44	51	46
5	108	102	130	121	126	110	69	61	50	47	52	49
6	106	100	130	119	112	108	66	63	50	43	53	48
7	112	95	127	117	110	101	67	64	46	42	53	48
8	117	106	118	108	121	105	65	58	47	43	50	47
9	106	97	113	100	126	97	71	56	45	41	61	44
10	106	94	115	104	96	85	66	60	45	42	51	43
11	109	97	121	107	87	77	64	60	47	42	46	42
12	109	99	123	112	114	60	62	55	50	45	47	42
13	113	100	127	116	63	59	57	54	50	47	46	41
14	112	102	133	117	64	59	54	51	54	48	47	44
15	112	99	139	125	70	63	54	50	56	51	46	41
16	114	102	143	130	77	68	59	50	56	52	46	41
17	113	106	142	130	76	68	60	57	56	53	43	40
18	120	104	139	129	73	68	60	58	57	53	45	40
19	120	107	131	122	78	72	62	58	61	55	48	42
20	117	106	129	121	84	77	64	60	61	56	51	45
21	120	106	128	118	86	83	66	53	62	57	52	47
22	120	107	131	119	87	83	55	47	62	57	---	---
23	125	109	128	121	92	86	50	44	64	59	---	---
24	123	112	129	123	96	88	45	38	62	49	---	---
25	128	114	134	126	88	86	39	37	54	47	---	---
26	131	117	128	123	92	84	38	35	48	42	---	---
27	135	122	130	121	106	92	40	37	44	39	---	---
28	129	116	126	103	104	92	41	38	49	40	---	---
29	125	113	114	104	95	87	41	38	---	---	---	---
30	128	116	108	94	109	88	42	39	---	---	---	---
31	124	115	---	---	109	96	43	39	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	84	72	---	---	81	71	---	---
2	---	---	---	---	86	77	---	---	91	79	---	---
3	---	---	---	---	92	80	---	---	94	90	---	---
4	---	---	---	---	93	85	---	---	116	90	---	---
5	---	---	---	---	96	89	---	---	92	84	---	---
6	---	---	---	---	91	83	---	---	91	88	---	---
7	---	---	---	---	87	77	---	---	94	89	---	---
8	---	---	---	---	84	77	---	---	98	94	---	---
9	---	---	---	---	89	78	---	---	97	92	---	---
10	---	---	---	---	91	78	---	---	106	97	---	---
11	---	---	---	---	78	67	---	---	106	100	---	---
12	---	---	---	---	76	69	78	52	104	101	89	82
13	---	---	---	---	84	74	48	37	131	103	80	74
14	---	---	---	---	87	78	40	32	109	94	115	56
15	---	---	---	---	92	84	40	35	98	95	64	56
16	---	---	---	---	98	86	58	39	97	95	67	63
17	---	---	---	---	102	94	50	37	101	96	---	---
18	---	---	---	---	104	95	48	42	104	98	---	---
19	---	---	---	---	109	100	56	46	105	101	124	103
20	---	---	---	---	112	103	59	54	107	102	100	82
21	---	---	---	---	113	105	59	54	105	101	83	77
22	---	---	61	56	114	104	69	58	121	104	82	69
23	---	---	66	58	112	100	65	60	121	102	68	63
24	---	---	66	61	119	106	69	61	106	91	63	59
25	---	---	70	62	116	108	78	65	104	83	65	59
26	---	---	76	64	115	105	70	57	97	86	64	60
27	---	---	76	65	112	103	62	55	112	96	60	59
28	---	---	73	64	112	101	62	57	109	98	63	59
29	---	---	76	67	107	99	58	52	115	98	64	60
30	---	---	81	74	108	102	68	56	104	99	64	61
31	---	---	97	75	---	---	72	63	---	---	---	---

PEARL RIVER BASIN

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

PH (UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.8	6.7	6.6	6.5	6.4	6.3	6.6	6.5	5.5	5.5	5.6	5.5
2	6.8	6.7	6.5	6.5	6.4	6.4	6.6	6.5	5.5	5.5	5.7	5.5
3	6.8	6.7	6.5	6.5	6.6	6.5	6.6	6.3	5.5	5.5	5.6	5.6
4	6.8	6.8	6.5	6.4	6.7	6.6	6.3	6.2	5.5	5.4	5.6	5.5
5	6.8	6.8	6.4	6.4	6.7	6.6	6.2	6.1	5.5	5.4	5.6	5.5
6	6.8	6.8	6.4	6.3	6.7	6.5	6.2	6.2	5.5	5.4	5.5	5.5
7	6.8	6.8	6.4	6.3	6.5	6.5	6.3	6.2	5.5	5.4	5.5	5.5
8	6.9	6.9	6.4	6.4	6.6	6.5	6.4	6.2	5.4	5.4	5.5	5.5
9	6.9	6.9	6.5	6.4	6.7	6.6	6.3	6.1	5.4	5.4	5.6	5.5
10	6.9	6.9	6.4	6.4	6.6	6.5	6.2	6.1	5.5	5.4	5.6	5.5
11	6.9	6.9	6.4	6.4	6.5	6.4	6.2	6.0	5.6	5.5	5.6	5.5
12	6.9	6.9	6.4	6.4	6.5	6.1	6.1	6.1	5.6	5.5	5.7	5.6
13	6.9	6.9	6.5	6.4	6.1	6.0	6.2	6.1	5.6	5.3	5.7	5.6
14	6.9	6.9	6.5	6.4	6.2	6.0	6.1	6.1	5.7	5.6	5.7	5.6
15	6.9	6.9	6.4	6.4	6.3	6.2	6.2	6.1	5.7	5.6	5.7	5.6
16	6.9	6.8	6.4	6.4	6.4	6.3	6.2	6.1	5.7	5.7	5.7	5.6
17	6.8	6.8	6.5	6.4	6.4	6.4	6.1	6.0	5.7	5.7	5.7	5.6
18	7.1	6.8	6.6	6.5	6.4	6.4	6.1	6.0	5.8	5.7	5.7	5.6
19	7.1	7.0	6.6	6.5	6.8	6.4	6.0	6.0	5.8	5.7	5.8	5.7
20	7.0	6.9	6.5	6.5	6.5	6.4	6.0	6.0	5.9	5.8	5.8	5.7
21	6.9	6.9	6.5	6.4	6.5	6.5	6.0	5.8	6.0	5.9	5.8	5.7
22	6.9	6.8	6.5	6.4	6.6	6.5	5.8	5.8	6.0	5.9	5.8	5.7
23	6.8	6.7	6.5	6.5	6.6	6.6	5.8	5.7	6.0	5.9	---	---
24	6.7	6.7	6.5	6.5	6.6	6.5	5.7	5.6	6.0	5.7	---	---
25	6.6	6.5	6.5	6.5	6.6	6.5	5.6	5.6	5.8	5.7	---	---
26	6.6	6.5	6.5	6.5	6.6	6.6	5.6	5.6	5.7	5.6	---	---
27	6.5	6.5	6.6	6.5	6.7	6.6	5.6	5.6	5.6	5.5	---	---
28	6.5	6.4	6.5	6.4	6.7	6.6	5.6	5.6	5.5	5.5	---	---
29	6.4	6.4	6.4	6.3	6.6	6.6	5.6	5.6	---	---	---	---
30	6.5	6.3	6.3	6.3	6.7	6.6	5.6	5.6	---	---	---	---
31	6.5	6.5	---	---	6.7	6.6	5.6	5.5	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	6.9	6.8	---	---	7.0	6.9	---	---
2	---	---	---	---	7.0	6.9	---	---	7.2	7.1	---	---
3	---	---	---	---	7.2	7.0	---	---	7.3	7.2	---	---
4	---	---	---	---	7.3	7.2	---	---	7.3	7.2	---	---
5	---	---	---	---	7.3	7.3	---	---	7.3	7.2	---	---
6	---	---	---	---	7.3	7.1	---	---	7.4	7.3	---	---
7	---	---	---	---	7.4	7.1	---	---	7.6	7.4	---	---
8	---	---	---	---	7.2	7.1	---	---	7.6	7.5	---	---
9	---	---	---	---	7.3	7.2	---	---	7.6	7.5	---	---
10	---	---	---	---	7.2	7.0	---	---	7.8	7.6	---	---
11	---	---	---	---	7.0	6.9	---	---	7.8	7.7	---	---
12	---	---	---	---	7.0	7.0	6.7	6.4	7.7	7.6	7.4	7.1
13	---	---	---	---	7.0	7.0	6.4	6.2	7.6	7.6	7.1	7.1
14	---	---	---	---	7.1	7.0	6.2	6.0	7.6	7.3	7.1	6.8
15	---	---	---	---	7.2	7.1	6.1	6.0	7.4	7.3	6.8	6.7
16	---	---	---	---	7.2	7.1	6.1	6.0	7.4	7.3	6.8	6.8
17	---	---	---	---	7.4	7.2	6.1	6.1	7.4	7.3	---	---
18	---	---	---	---	7.6	7.4	6.2	6.1	7.4	7.3	---	---
19	---	---	---	---	7.7	7.5	6.3	6.2	7.4	7.3	6.8	6.5
20	---	---	---	---	7.5	7.4	6.3	6.3	7.3	7.1	6.5	6.3
21	---	---	---	---	7.4	7.3	6.4	6.3	7.2	6.9	6.3	6.2
22	---	---	6.6	6.5	7.4	7.3	6.4	6.4	7.4	6.8	6.3	6.2
23	---	---	6.8	6.7	7.4	7.2	6.4	6.4	7.2	7.1	6.2	6.1
24	---	---	6.8	6.7	7.4	7.3	6.5	6.4	7.1	6.9	6.1	6.0
25	---	---	6.9	6.8	7.4	7.3	6.5	6.5	6.9	6.8	6.2	6.1
26	---	---	7.2	6.9	7.4	7.3	6.6	6.4	6.8	6.7	6.2	6.2
27	---	---	7.2	7.0	7.4	7.3	6.5	6.4	7.0	6.7	6.2	6.2
28	---	---	7.0	6.9	7.3	7.2	6.6	6.5	7.0	6.8	6.3	6.2
29	---	---	6.9	6.8	7.2	7.0	6.5	6.5	6.8	6.7	6.4	6.3
30	---	---	6.9	6.9	7.2	7.0	6.7	6.6	---	---	6.4	6.4
31	---	---	6.9	6.8	---	---	6.9	6.8	---	---	---	---

PEARL RIVER BASIN

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	---	---	7.8	7.3	---	---	8.8	8.2	9.8	9.5	---	---
2	---	---	7.3	7.0	---	---	8.2	7.9	9.8	9.7	---	---
3	---	---	---	---	---	---	---	---	9.7	9.5	---	---
4	---	---	---	---	---	---	---	---	9.5	9.3	---	---
5	---	---	---	---	---	---	10.4	6.2	9.4	9.3	---	---
6	---	---	---	---	---	---	10.6	10.4	9.6	9.4	---	---
7	---	---	---	---	8.4	8.1	10.7	10.5	9.5	9.3	8.9	8.4
8	---	---	---	---	8.1	7.5	11.4	10.7	9.5	9.4	9.0	8.3
9	---	---	---	---	7.5	7.3	11.8	11.3	9.5	9.3	9.1	8.3
10	---	---	---	---	8.1	7.5	11.9	11.0	9.7	9.4	8.7	8.4
11	---	---	---	---	8.3	7.7	11.5	11.1	9.8	9.5	8.6	8.4
12	---	---	---	---	---	---	11.4	11.0	9.6	9.3	9.0	8.4
13	---	---	---	---	---	---	11.4	11.0	10.1	9.2	8.9	8.4
14	---	---	---	---	---	---	11.6	11.2	9.9	9.5	8.8	8.2
15	---	---	---	---	---	---	11.9	11.4	9.5	9.2	8.8	8.1
16	---	---	---	---	---	---	12.2	11.7	9.1	8.9	8.7	8.2
17	---	---	8.7	8.3	---	---	12.4	12.1	9.0	8.9	8.7	8.3
18	---	---	8.8	8.3	---	---	12.2	10.2	9.2	8.9	8.6	8.2
19	10.4	9.4	8.7	8.2	---	---	10.3	9.9	9.2	9.0	8.7	8.0
20	9.9	9.2	8.4	8.0	9.6	9.2	10.1	9.7	9.2	9.0	8.4	7.7
21	9.3	8.6	8.2	7.9	9.2	8.9	9.7	8.7	9.2	9.0	8.2	7.4
22	8.5	7.6	7.9	7.3	9.1	8.8	8.6	8.3	---	---	7.7	7.1
23	---	---	---	---	9.3	9.1	8.4	8.2	---	---	---	---
24	---	---	---	---	9.3	9.2	8.3	7.7	---	---	---	---
25	---	---	---	---	9.5	9.2	8.5	8.3	---	---	---	---
26	---	---	---	---	9.8	9.4	8.7	8.5	---	---	---	---
27	---	---	---	---	9.9	9.8	8.9	8.6	---	---	---	---
28	---	---	---	---	10.0	9.9	9.0	8.6	---	---	---	---
29	---	---	---	---	10.0	9.9	9.3	9.0	---	---	---	---
30	---	---	---	---	9.9	9.4	9.5	9.2	---	---	---	---
31	8.1	7.6	---	---	9.3	8.8	9.5	9.4	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	---	---	---	---	7.6	7.4	---	---	---	---	---	---
2	---	---	---	---	7.9	7.5	---	---	---	---	---	---
3	---	---	---	---	7.9	7.6	---	---	---	---	---	---
4	---	---	---	---	8.1	7.5	---	---	---	---	---	---
5	---	---	---	---	7.8	7.3	---	---	---	---	---	---
6	---	---	---	---	7.3	6.3	---	---	---	---	---	---
7	---	---	---	---	6.5	5.8	---	---	---	---	---	---
8	---	---	---	---	6.5	6.1	---	---	---	---	---	---
9	---	---	---	---	6.5	6.1	---	---	---	---	---	---
10	---	---	---	---	6.4	6.0	---	---	---	---	---	---
11	---	---	---	---	6.1	6.0	---	---	---	---	---	---
12	---	---	---	---	6.4	6.1	7.7	7.1	---	---	7.1	6.8
13	---	---	---	---	6.6	6.3	7.1	6.2	---	---	7.0	6.6
14	---	---	---	---	6.7	6.5	---	---	---	---	---	---
15	---	---	---	---	6.8	6.6	---	---	6.8	6.4	---	---
16	---	---	---	---	6.9	6.7	---	---	7.1	6.6	---	---
17	---	---	---	---	7.8	6.9	---	---	7.2	6.8	---	---
18	---	---	---	---	8.2	7.3	---	---	6.9	6.2	---	---
19	---	---	---	---	7.5	6.7	---	---	---	---	7.6	6.7
20	---	---	---	---	---	---	---	---	---	---	6.7	6.3
21	---	---	---	---	7.7	6.9	---	---	---	---	---	---
22	---	---	7.2	6.9	7.2	6.7	---	---	---	---	---	---
23	---	---	7.3	6.9	7.1	6.3	---	---	---	---	---	---
24	---	---	7.7	7.3	6.8	6.5	---	---	---	---	---	---
25	---	---	8.0	7.5	6.7	6.3	---	---	---	---	---	---
26	---	---	8.6	7.9	7.0	6.3	---	---	---	---	---	---
27	---	---	8.6	8.1	6.6	6.0	---	---	---	---	---	---
28	---	---	8.1	7.6	---	---	---	---	---	---	---	---
29	---	---	7.7	7.4	---	---	---	---	---	---	---	---
30	---	---	7.5	7.3	---	---	---	---	---	---	---	---
31	---	---	7.5	7.3	---	---	---	---	---	---	---	---

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

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

DRAINAGE AREA.--502 mi² (1,300 km²).

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

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--34 years, 790 ft³/s (22.37 m³/s), 21.37 in/yr (543 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) 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)	
Jan. 26	0530	6090	172	15.09	4.599	May 9	1300	*14.200	402	*21.79	6.614

Minimum discharge, 292 ft³/s (8.3 m³/s) Aug. 7, gage height, 6.57 ft (2.003 m).

RECORDS FOR THE 1979 WATER YEAR ARE NOT AVAILABLE IN TIME FOR INCLUSION IN THIS REPORT. THEY WILL BE PUBLISHED IN A SUBSEQUENT REPORT.

PEARL RIVER BASIN

02491500 BOQUE 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) National Geodetic Vertical Datum of 1929. August 1928 to September 1931, nonrecording gage at site about 0.2 mi (0.3 km) downstream at datum 2.00 ft (0.610 m) higher. October 1938 to June 22, 1939, nonrecording gage; June 23, 1939, to September 1957 and February to September 1975, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--22 years (water years 1929-31, 1939-57), 1,596 ft³/s (45.20 m³/s), 22.00 in/yr (589 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.71 ft (5.093 m) Feb. 24; minimum, 0.81 ft (0.247 m) Oct. 29, 30, 31, Nov. 1, 2, 3, 4, 5, 6.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.97	.82	1.24	1.22	3.87	5.34	1.79	2.51	2.30	1.37	2.07	1.58
2	.94	.82	1.27	2.21	3.79	4.63	1.78	2.31	2.10	1.36	1.90	1.52
3	.92	.82	1.17	2.54	3.09	4.94	5.36	2.18	1.88	1.35	1.85	1.57
4	.91	.82	1.22	2.55	4.37	11.08	9.99	2.12	1.80	1.36	1.88	1.72
5	.92	.81	1.72	1.75	4.47	11.55	8.65	2.59	1.79	1.35	1.87	1.58
6	.91	.81	1.75	1.49	7.58	10.27	6.93	2.67	1.85	1.34	1.79	1.53
7	.89	.92	1.52	1.70	10.99	7.89	6.34	3.22	1.75	1.35	1.69	1.76
8	.87	.93	1.30	1.85	10.47	5.20	3.97	2.74	1.68	2.55	1.66	1.60
9	.86	.90	1.42	2.07	7.87	4.40	3.07	2.21	1.63	3.59	1.62	1.56
10	.87	.90	1.76	1.93	6.23	3.99	2.69	2.05	1.60	2.17	1.61	1.49
11	.87	.88	2.37	1.60	3.91	3.91	2.48	1.93	1.57	2.01	1.58	1.44
12	.87	.87	2.54	1.44	3.17	3.60	2.35	1.95	1.70	9.09	1.66	1.41
13	.87	.87	1.84	1.37	2.72	3.60	2.23	5.33	1.57	5.96	1.63	1.41
14	.86	.87	1.40	1.32	2.48	3.30	2.14	3.69	1.54	8.34	1.56	1.40
15	.84	.86	1.26	1.26	2.29	3.30	2.35	3.53	1.52	5.35	1.54	1.38
16	.83	.87	1.21	1.22	2.12	3.18	2.06	2.52	1.50	3.59	1.54	1.36
17	.83	.93	1.25	1.20	1.97	3.10	1.90	2.04	1.49	2.82	1.52	1.35
18	.83	1.03	1.17	1.18	2.07	3.06	1.81	1.91	1.49	2.35	1.49	1.39
19	.83	.94	1.14	1.17	2.67	3.01	1.76	1.84	1.47	2.19	1.48	1.39
20	.84	.93	1.12	1.75	3.34	2.96	1.73	1.80	1.45	2.41	1.47	1.37
21	.83	.90	1.15	9.58	3.73	2.90	1.70	1.75	1.43	3.02	1.45	4.85
22	.83	.89	1.15	9.54	2.73	2.84	2.02	1.74	1.44	4.23	1.46	3.40
23	.83	.88	1.13	7.79	3.05	2.60	11.18	2.01	1.43	2.88	2.84	3.26
24	.83	.89	1.14	10.59	11.95	2.50	11.13	1.90	1.42	2.45	2.47	2.34
25	.83	.89	1.14	8.96	15.85	2.50	10.77	1.79	1.41	3.29	2.32	1.80
26	.83	.88	1.11	6.25	14.39	2.55	9.08	1.72	1.42	3.54	2.37	1.64
27	.83	1.28	1.11	6.90	12.79	2.50	5.08	1.66	1.39	4.02	1.90	1.57
28	.82	1.71	1.09	7.40	7.59	1.86	3.69	1.64	1.39	4.33	1.76	1.53
29	.81	1.35	1.07	6.22	---	1.85	3.27	1.63	1.38	3.89	1.68	1.49
30	.81	1.42	1.08	5.73	---	1.82	2.84	1.73	1.37	2.95	1.60	1.45
31	.81	---	1.14	4.57	---	1.81	---	2.21	---	2.37	1.55	---
MEAN	.86	.96	1.35	3.75	5.77	4.13	4.40	2.29	1.59	3.19	1.77	1.77
MAX	.97	1.71	2.54	10.59	15.85	11.55	11.18	5.33	2.30	9.09	2.84	4.85
MIN	.81	.81	1.07	1.17	1.97	1.81	1.70	1.63	1.37	1.34	1.45	1.35

02492000 BOGUE 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

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--42 years, 1914 ft³/s (54.20 m³/s), 21.48 in/yr (546 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)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 25	2400	13,500 382	11.51 3.508	Apr. 5	0530	19,200 544	12.40 3.780
Feb. 8	2015	15,100 428	11.79 3.594	Apr. 25	0600	15,500 439	11.85 3.612
Feb. 27	0815	*27,100 767	*13.51 4.118	July 15	1930	8,180 232	10.37 3.161
Mar. 6	0630	14,400 408	11.66 3.554				

Minimum discharge, 645 ft³/s (18.3 m³/s) Nov. 2, 3, gage height, 2.85 ft (0.869 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	821	652	1260	985	5280	9480	1180	2510	1960	828	1890	1070
2	783	650	1060	1270	4320	5310	1160	2150	1950	824	1580	1100
3	764	650	1010	1720	3770	4150	2100	1900	1730	819	1470	1080
4	766	653	1020	1880	3580	5920	11400	1690	1440	811	1370	1030
5	749	653	1270	1720	4360	11900	17700	1760	1340	810	1360	1300
6	738	660	1410	1360	5760	13700	12000	1990	1310	795	1290	1360
7	721	715	1370	1360	10100	11200	8480	2160	1310	804	1210	1160
8	708	758	1180	1700	14800	8130	6770	2390	1220	881	1150	1030
9	699	730	1120	1670	13800	4930	4470	1970	1150	1520	1090	957
10	695	705	1330	1640	10000	3520	2890	1540	1100	1760	1050	908
11	696	700	1510	1470	6890	3430	2340	1360	1050	1690	1020	894
12	696	691	1750	1300	4330	3590	2070	1420	1030	2500	993	887
13	696	685	1730	1200	3060	3060	1970	2230	1070	5630	998	884
14	690	684	1360	1150	2610	2630	1900	3880	1010	7030	1050	866
15	677	683	1130	1090	2340	2380	1850	3610	977	7640	1010	842
16	669	682	1030	1040	2140	2230	1780	2710	966	6570	977	831
17	664	690	1020	1010	1960	2120	1560	1840	957	3640	965	845
18	661	749	1050	986	1910	2030	1430	1420	938	2320	928	898
19	661	760	970	967	2290	1950	1370	1260	921	1910	904	946
20	663	730	936	1070	2580	1840	1360	1160	905	1740	887	1660
21	662	714	936	3240	3120	1720	1460	1100	891	1960	884	3270
22	660	701	949	7610	3360	1620	2340	1060	882	2440	978	3360
23	659	692	938	11500	2890	2110	4950	1390	876	2930	1620	2660
24	656	690	932	11100	5080	2540	10200	1770	870	2480	1640	1960
25	655	684	928	12700	15000	2030	13200	1520	894	2220	1570	1450
26	657	685	913	12000	25800	1640	12000	1270	891	2800	1420	1240
27	662	911	888	8080	21400	1440	9920	1180	871	3310	1110	1140
28	659	1490	874	7200	16600	1330	6090	1140	842	3700	1060	1080
29	654	1430	857	7870	---	1260	3910	1130	831	3680	1020	1030
30	651	1350	859	7050	---	1220	3040	1270	830	3390	1000	992
31	651	---	893	6180	---	1190	---	1640	---	2550	1020	---
TOTAL	21443	23227	34483	121118	199130	121600	152890	55420	33012	81982	36514	38730
MEAN	692	774	1112	3907	7112	3923	5096	1788	1100	2645	1178	1291
MAX	821	1490	1750	12700	25800	13700	17700	3880	1960	7640	1890	3360
MIN	651	650	857	967	1910	1190	1160	1060	830	795	884	831
CFSM	.57	.64	.92	3.23	5.88	3.24	4.21	1.48	.91	2.19	.97	1.07
IN.	.66	.71	1.06	3.72	6.12	3.74	4.70	1.70	1.01	2.52	1.12	1.19

CAL YR 1978	TOTAL	618602	MEAN	1695	MAX	15200	MIN 650	CFSM 1.40	IN 19.02
WTR YR 1979	TOTAL	919549	MEAN	2519	MAX	25800	MIN 650	CFSM 2.08	IN 28.27

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.43	2.87	4.61	3.90	9.37	10.66	4.93	7.18	6.15	3.45	6.00	4.13
2	3.30	2.86	4.11	4.62	8.81	9.36	4.89	6.67	6.15	3.44	5.39	4.19
3	3.25	2.86	3.98	5.69	8.41	8.70	6.37	6.27	5.69	3.43	5.12	4.16
4	3.26	2.88	3.99	6.01	8.25	9.61	10.88	5.95	5.06	3.40	4.88	4.03
5	3.20	2.87	4.63	5.67	8.83	11.19	12.17	6.04	4.80	3.40	4.85	4.71
6	3.16	2.90	4.98	4.85	9.55	11.54	11.22	6.42	4.72	3.35	4.67	4.84
7	3.10	3.08	4.86	4.85	10.81	11.05	10.44	6.88	4.73	3.38	4.48	4.34
8	3.06	3.23	4.40	5.65	11.61	10.34	9.96	6.98	4.51	3.60	4.32	4.02
9	3.03	3.13	4.25	5.58	11.55	9.16	8.87	6.36	4.32	5.26	4.18	3.82
10	3.02	3.05	4.77	5.52	10.79	8.20	7.59	5.64	4.19	5.77	4.08	3.68
11	3.02	3.03	5.22	5.11	9.99	8.13	6.93	5.29	4.08	5.62	4.00	3.64
12	3.02	3.00	5.74	4.69	8.80	8.26	6.54	5.39	4.02	7.06	3.92	3.62
13	3.02	2.98	5.71	4.46	7.77	7.75	6.39	6.71	4.14	9.48	3.94	3.61
14	3.00	2.98	4.83	4.32	7.22	7.30	6.27	8.49	3.96	10.05	4.07	3.56
15	2.96	2.98	4.27	4.19	6.82	6.98	6.18	8.27	3.88	10.22	3.96	3.49
16	2.93	2.97	4.02	4.05	6.48	6.78	6.07	7.33	3.85	9.87	3.88	3.46
17	2.91	3.00	4.00	3.96	6.17	6.63	5.69	6.08	3.82	8.22	3.84	3.50
18	2.90	3.20	4.06	3.90	6.06	6.46	5.42	5.31	3.76	6.72	3.74	3.65
19	2.90	3.23	3.86	3.85	6.73	6.35	5.30	4.97	3.72	6.05	3.67	3.79
20	2.91	3.13	3.76	4.12	7.16	6.17	5.28	4.77	3.67	5.72	3.62	5.56
21	2.91	3.08	3.76	7.71	7.83	5.97	5.49	4.62	3.63	6.14	3.61	7.98
22	2.90	3.04	3.80	10.14	8.06	5.79	6.88	4.53	3.61	6.96	3.88	8.06
23	2.89	3.01	3.77	11.12	7.57	6.61	9.16	5.13	3.59	7.59	5.47	7.29
24	2.89	3.00	3.75	11.03	9.17	7.16	11.04	5.79	3.57	7.00	5.53	6.16
25	2.88	2.98	3.74	11.35	11.66	6.49	11.76	5.26	3.64	6.61	5.38	5.07
26	2.89	2.98	3.70	11.22	13.33	5.83	11.50	4.72	3.63	7.44	5.01	4.55
27	2.90	3.67	3.62	10.33	12.71	5.44	11.00	4.47	3.58	7.97	4.23	4.29
28	2.90	5.16	3.58	10.09	12.00	5.22	9.78	4.34	3.49	8.35	4.09	4.14
29	2.88	5.03	3.53	10.29	---	5.09	8.51	4.27	3.46	8.34	3.99	4.03
30	2.87	4.83	3.54	10.04	---	5.00	7.73	4.63	3.46	8.07	3.95	3.92
31	2.87	---	3.64	9.75	---	4.94	---	5.50	---	7.09	4.01	---
MEAN	3.01	3.23	4.21	6.71	9.05	7.55	8.01	5.81	4.16	6.42	4.38	4.51
MAX	3.43	5.16	5.74	11.35	13.33	11.54	12.17	8.49	6.15	10.22	6.00	8.06
MIN	2.87	2.86	3.53	3.85	6.06	4.94	4.89	4.27	3.46	3.35	3.61	3.46

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1974 to current year.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 74 micromhos June 19; minimum, 28 micromhos or lower several days during spring.

WATER TEMPERATURES: Maximum, 32.5°C July 3, 4, 5; minimum, 7.5°C Jan. 10, 11, 30, 31, Feb. 5, 10, 11.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICHO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)
OCT 10...	1200	693	47	6.4	20.0	10	5
NOV 20...	1300	726	58	6.4	18.0	20	7
DEC 05...	1200	1280	54	6.2	15.5	40	10
JAN 19...	1300	968	47	6.6	8.0	20	9
FEB 21...	1145	3130	42	6.2	1.1	40	20
MAR 13...	1400	3030	41	6.2	17.0	10	16
APR 12...	1100	2090	46	6.1	22.0	30	10
MAY 17...	1045	1830	38	6.1	23.0	50	25
JUN 13...	1115	1050	44	6.6	25.0	30	15
JUL 05...	1245	810	46	7.0	30.0	5	10
AUG 01...	1115	1900	45	5.9	28.5	50	15
SEP 04...	1315	--	42	6.0	27.5	30	10
DATE		OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT 10...		8.8	--	K170	2500	8	0
NOV 20...		9.5	2.8	260	4200	9	1
DEC 05...		8.9	1.2	1400	1300	9	0
JAN 19...		9.3	.5	400	110	9	0
FEB 21...		10.4	2.0	K3400	1300	9	3
MAR 13...		9.1	--	320	--	9	2
APR 12...		7.6	--	K160	260	13	4
MAY 17...		8.0	1.1	K440	320	9	2
JUN 13...		7.5	.7	680	240	9	1
JUL 05...		7.2	--	240	140	8	0
AUG 01...		6.7	.5	K80	540	9	2
SEP 04...		7.1	1.0	K800	1700	8	1

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

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 10...	2.0	.8	4.4	1.2	10	0	8	1.7	7.2	.1	12
NOV 20...	2.1	.9	4.8	2.0	10	0	8	.5	9.0	.0	10
DEC 05...	2.2	.9	5.5	1.7	14	0	11	2.4	8.1	.0	12
JAN 19...	2.1	.9	4.5	.9	11	0	9	1.9	7.5	.0	12
FEB 21...	2.2	.9	3.4	1.2	8	0	7	2.8	5.9	.0	9.4
MAR 13...	2.1	.9	3.5	1.4	9	0	7	2.1	5.5	.0	9.7
APR 12...	3.7	1.0	3.6	1.5	11	0	9	2.6	5.9	.0	9.7
MAY 17...	2.2	.8	3.6	1.8	8	0	7	4.3	5.0	.1	7.8
JUN 13...	2.1	.8	4.3	1.2	10	0	8	2.7	6.3	.1	9.4
JUL 05...	2.0	.7	4.7	1.1	11	0	9	1.9	6.8	.0	10
AUG 01...	2.3	.9	3.2	1.6	9	0	7	2.2	4.8	.0	9.5
SEP 04...	2.0	.7	3.6	1.5	8	0	7	3.1	5.4	.1	12

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 10...	42	.18	.01	.32	--	.02	.01	2.3	--	--
NOV 20...	43	.81	.41	.99	.95	.07	.04	2.4	--	--
DEC 05...	41	.31	.12	.53	.53	.11	.11	4.2	--	--
JAN 19...	38	.25	.02	.32	.32	.05	.03	--	4.4	--
FEB 21...	34	.40	.15	.52	.50	.05	.03	6.2	--	--
MAR 13...	33	.33	.09	--	.56	.05	.02	5.0	--	--
APR 12...	36	.32	.15	.59	.42	.08	.01	--	4.1	1.1
MAY 17...	34	.32	.09	.43	.38	.08	.03	5.2	--	--
JUN 13...	35	.26	.03	.36	.23	.04	.04	2.3	--	--
JUL 05...	36	.14	.06	.27	.00	.04	.02	--	--	--
AUG 01...	38	.25	.03	.39	.27	.07	.07	--	4.0	.6
SEP 04...	36	.33	.07	.86	.82	.04	.02	--	--	--

PEARL RIVER BASIN

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02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)
OCT 10...	1	1	20	20	0	0	0	0	3
JAN 19...	0	0	20	20	3	3	0	0	3
APR 12...	1	0	0	0	0	0	0	0	0
JUL 05...	1	1	0	0	1	0	0	0	0

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 10...	3	5	3	620	140	3	0	60	50
JAN 19...	3	5	5	750	140	4	4	60	40
APR 12...	0	9	5	970	130	33	0	110	40
JUL 05...	0	4	1	510	90	10	0	70	30

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 10...	.0	.0	0	0	0	0	10	10
JAN 19...	.0	.0	0	0	0	0	10	10
APR 12...	.2	.0	0	0	0	0	30	10
JUL 05...	.1	.0	0	0	0	0	20	10

DATE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
MAY 17...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	FOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)
MAY 17...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND Material specifically analyzed for but not detected.

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 10...	--	27	51	--
NOV 20...	1500	12	24	--
DEC 05...	--	34	118	71
JAN 19...	--	23	60	52
FEB 21...	--	31	262	74
MAR 13...	980	22	180	86
APR 12...	--	49	277	84
MAY 17...	--	61	301	88
JUN 13...	1400	48	136	85
JUL 05...	--	34	74	97
AUG 01...	--	48	246	62
SEP 04...	--	40	--	95

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	48	43	46	45	---	---	47	46	40	37	35	---
2	46	43	46	45	---	---	48	46	42	40	39	35
3	48	46	46	45	---	---	63	47	43	41	42	39
4	48	47	46	45	---	---	55	49	42	41	41	37
5	47	46	46	45	---	---	52	50	43	41	36	33
6	46	46	45	44	---	---	50	49	42	38	33	31
7	47	46	45	44	55	46	50	46	37	33	32	31
8	48	47	47	44	58	54	47	45	33	32	38	33
9	48	47	46	44	60	49	48	45	32	31	43	38
10	48	46	49	44	49	47	55	48	34	32	47	43
11	48	46	46	45	48	45	57	54	38	34	47	46
12	47	47	46	45	57	45	54	50	41	38	48	46
13	48	47	46	45	55	42	50	49	45	42	48	47
14	48	47	46	45	45	42	49	48	46	44	52	48
15	48	48	46	45	46	45	48	47	47	45	53	52
16	48	48	46	45	47	46	48	48	48	45	52	52
17	48	48	45	43	47	47	48	48	47	46	52	52
18	48	48	44	42	48	45	48	47	47	46	52	51
19	48	47	54	43	47	45	48	47	49	46	52	51
20	48	47	46	44	48	47	48	45	48	46	56	53
21	48	47	47	45	49	47	46	35	50	46	59	56
22	47	47	52	44	48	47	37	36	47	45	62	54
23	47	47	---	---	47	46	36	34	47	45	61	57
24	47	47	---	---	48	47	35	34	45	33	60	53
25	47	47	---	---	48	47	34	33	32	---	52	52
26	47	46	---	---	48	47	34	33	---	---	53	52
27	47	46	---	---	48	47	35	34	---	---	53	53
28	47	46	---	---	47	46	36	34	---	---	54	53
29	47	46	---	---	48	47	36	34	---	---	57	54
30	46	46	---	---	48	47	34	33	---	---	58	52
31	46	46	---	---	48	47	37	33	---	---	55	54

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	55	54	43	39	---	---	42	41	47	45	48	45
2	55	52	48	43	---	---	47	41	47	45	47	44
3	54	48	53	47	---	---	45	41	---	---	49	45
4	47	30	56	52	---	---	45	42	---	---	51	47
5	30	28	57	56	---	---	45	42	---	---	50	48
6	38	30	57	57	51	43	62	41	---	---	50	47
7	37	36	57	56	48	43	63	43	---	---	49	43
8	40	36	56	48	53	45	43	31	---	---	48	46
9	44	40	48	45	56	36	---	---	---	---	51	48
10	46	44	45	45	52	42	---	---	---	---	52	52
11	47	46	46	45	52	38	---	---	---	---	56	53
12	48	47	48	40	45	39	50	---	---	---	57	55
13	50	48	43	41	53	46	26	---	---	---	55	53
14	51	49	42	38	56	50	29	25	---	---	59	54
15	50	49	37	36	62	57	28	26	45	43	58	53
16	54	50	37	36	70	64	34	28	46	44	54	53
17	55	54	40	37	70	66	40	34	46	44	55	54
18	56	55	---	---	72	69	43	40	47	45	55	54
19	59	56	---	---	74	51	43	42	48	45	54	52
20	61	58	---	---	55	43	43	42	48	44	52	51
21	63	61	---	---	49	41	47	42	46	44	51	44
22	66	63	---	---	44	40	47	42	45	44	44	42
23	65	45	---	---	41	40	44	41	46	45	46	42
24	43	38	---	---	42	40	43	41	45	37	47	44
25	37	32	---	---	41	40	45	42	39	38	53	47
26	32	31	---	---	41	40	42	38	44	39	49	47
27	31	30	---	---	42	39	41	37	46	44	50	47
28	34	30	---	---	42	41	42	39	48	45	51	49
29	37	33	---	---	42	41	44	41	47	46	49	46
30	40	37	---	---	42	41	44	42	48	46	45	44
31	---	---	---	---	---	---	45	44	49	46	---	---

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	NOV 20, 78 1300	MAR 13, 79 1400	MAY 17, 79 1045	JUN 13, 79 1115	JUL 5, 79 1245
TOTAL CELLS/ML	1500	980	980	1400	1300
DIVERSITY: DIVISION	1.6	1.4	1.2	1.4	0.5
...CLASS	1.6	1.4	1.2	1.4	0.6
...ORDER	2.1	1.6	1.3	1.5	0.7
...FAMILY	2.4	2.1	1.9	2.1	2.1
...GENUS	2.4	0.0	2.5	2.8	2.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
...CHLOROPHYCEAE										
...CHLOROCOCCALES										
...CHLORASTRACEAE										
...CHLORASTRUM	--	-	--	-	--	-	--	-	220#	17
...OOCYSTACEAE										
...ANKISTRODESMUS	--	-	160#	16	51	5	140	10	310#	24
...CLUSTERIOPSIS	--	-	14	1	--	-	--	-	--	-
...DICTYOSPHAERIUM	--	-	--	-	210#	21	26	2	--	-
...KIRCHNERIELLA	--	-	58	6	--	-	--	-	--	-
...OOCYSTIS	--	-	14	1	26	3	150	11	--	-
...SELENASTRUM	--	-	--	-	--	-	52	4	--	-
...NESTELLA	--	-	--	-	--	-	--	-	100	8
...SCENEDESMACEAE										
...CRUCIGENIA	--	-	58	6	--	-	100	7	--	-
...SCENEDESUS	290#	20	140	15	180#	18	340#	24	490#	39
...TETRASTRUM	--	-	--	-	100	11	--	-	--	-
...VOLVOCALES										
...CHLAMYDOMONADACEAE	--	-	29	3	--	-	--	-	--	-
...CHARTERIA	--	-	14	1	--	-	--	-	--	-
...CHLAMYDOMONAS	44	3	--	-	--	-	--	-	26	2
...ZYGOMONADES										
...DESMIDIACEAE										
...COSMARUM	--	-	--	-	13	1	--	-	--	-
...MESOTAENIACEAE										
...BOYA	22	2	--	-	--	-	--	-	--	-
CHRYSOPHYTA										
...BACILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCAEAE										
...CYCLOTELLA	--	-	--	-	13	1	64	5	13	1
...MELOSIRA	200	14	58	6	--	-	--	-	--	-
...PENIALES										
...FRAGILARIACEAE										
...SYNEURA	22	2	--	-	--	-	--	-	--	-
...GOMPHONEMATACEAE										
...GOMPHONEMA	22	2	--	-	--	-	--	-	--	-
...NAVICULACEAE										
...NAVICULA	110	8	--	-	--	-	13	1	--	-
...NITZSCHIAEAE										
...NITZSCHIA	160	11	--	-	26	3	52	4	26	2
...XANTHOPHYCEAE										
...HETROCOCCALES										
...CHLOROTHECIACEAE										
...OPHIOCYTUM	--	-	--	-	--	-	--	-	13	1
CRYPTOPHYTA (CRYPTOMONADS)										
...CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOMONADACEAE										
...CRYPTOMONAS	--	-	29	3	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
...CYANOPHYCEAE										
...CHROOCOCCALES										
...CHROOCOCCACEAE										
...ANACYSTIS	--	-	--	-	360#	37	440#	31	64	5
...HORMOGONALES										
...OSCILLATORIAEAE										
...OSCILLATORIA	600#	41	400#	41	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
...EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
...EUGLENA	--	-	--	-	--	-	13	1	--	-

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

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

PEARL RIVER BASIN

02492600 PEARL RIVER AT PEARL RIVER, LA

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

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

PERIOD OF RECORD.--October 1963 to September 1970. October 1975 to current year (gage heights and discharge measurements only).

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 114,700 ft³/s (3,250 m³/s) Feb. 18, 1966; maximum gage height, 19.25 ft (5.867 m)

Apr. 26, 1979, from flood mark; minimum daily, 1,580 ft³/s (44.7 m³/s) Oct. 24, Nov. 10, 1963. Maximum stage reported by the Southern Railway System, 19.7 ft (6.00 m) Apr. 19, 1900.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since October 1899, 155,000 ft³/s (4,390 m³/s), from discharge measurement, Apr. 26, 1979. Flood of 1874 reached a stage of 20.2 ft (6.16 m), furnished by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.25 ft (5.867 m) Apr. 26, from flood mark; minimum, 2.97 ft (0.905 m) Nov. 4, 5.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
Apr. 24, 1979.....	142,000	May 1.....	57,900
Apr. 26.....	155,000		

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.05	3.25	5.42	5.29	16.62	16.18	10.14	16.38	8.32	4.95	10.70	7.01
2	4.72	3.17	5.37	5.51	16.67	15.96	9.90	16.08	8.52	5.11	9.70	7.04
3	4.68	3.13	5.19	6.18	16.67	15.85	9.73	15.78	8.47	5.09	8.86	7.29
4	4.69	3.08	5.19	7.58	16.70	15.95	10.50	15.33	8.52	5.00	8.27	7.42
5	4.75	3.07	5.28	8.91	16.71	16.07	13.50	14.60	8.34	5.15	7.82	7.43
6	4.72	3.12	5.45	10.00	16.81	16.25	15.69	13.06	8.39	5.06	7.41	7.52
7	4.63	3.29	5.86	10.91	16.85	16.43	16.11	11.74	8.31	5.00	7.07	7.73
8	4.59	3.20	6.10	11.38	16.90	16.43	15.68	11.23	8.06	5.02	6.92	7.74
9	4.54	3.28	6.20	11.50	16.98	16.39	15.18	11.31	7.68	5.23	6.98	7.60
10	4.51	3.36	5.92	11.52	16.88	16.32	14.75	11.59	7.71	5.93	7.07	7.20
11	4.51	3.41	5.87	11.50	16.59	16.32	14.36	11.82	8.52	7.26	6.92	6.83
12	4.51	3.27	6.40	11.65	16.28	16.36	14.02	12.07	9.18	8.01	6.80	6.51
13	4.50	3.28	7.50	11.88	15.98	16.37	13.76	12.36	9.10	8.59	6.77	6.31
14	4.36	3.36	8.68	12.29	15.73	16.33	13.51	12.40	8.62	9.59	6.94	6.01
15	4.23	3.46	9.29	12.48	15.46	16.22	13.29	12.43	7.80	10.98	7.04	6.02
16	4.09	3.47	9.03	12.55	15.16	16.11	13.12	12.30	7.09	11.93	6.80	6.62
17	3.84	3.51	8.57	12.56	14.78	16.02	13.09	11.84	6.61	12.70	6.56	6.93
18	3.77	3.37	8.19	12.47	14.29	15.96	13.18	11.08	6.31	12.69	6.44	6.61
19	3.72	3.36	7.97	12.37	13.71	15.90	13.40	10.42	6.07	12.62	6.32	6.94
20	3.52	3.43	7.51	12.30	13.03	15.80	13.75	10.27	5.83	12.63	6.11	7.82
21	3.42	3.44	6.78	12.18	12.70	15.61	14.22	10.32	5.61	12.41	5.79	9.10
22	3.40	3.40	6.08	12.25	12.48	15.32	14.98	10.39	5.44	12.26	5.58	9.94
23	3.39	3.34	5.67	13.21	12.75	14.93	16.68	10.32	5.33	12.20	5.57	10.71
24	3.22	3.24	5.52	14.66	13.62	14.11	17.88	9.87	5.26	12.34	5.72	11.55
25	3.14	3.18	5.19	15.35	14.01	12.78	18.78	9.31	5.24	12.18	6.61	12.13
26	3.21	3.22	5.01	15.74	14.76	11.72	19.22	9.08	5.22	11.93	7.19	12.40
27	3.19	3.51	5.07	16.04	15.88	10.85	18.48	8.83	5.17	11.86	7.21	12.50
28	3.17	4.02	5.35	16.20	16.27	10.26	17.83	8.88	5.16	12.25	7.22	12.51
29	3.14	4.85	5.40	16.28	---	10.11	17.21	8.91	5.07	12.38	7.10	12.50
30	3.21	5.48	5.40	16.43	---	10.18	16.69	8.69	5.02	12.18	7.00	12.51
31	3.35	---	5.30	16.56	---	10.23	---	8.38	---	11.64	7.02	---
MEAN	3.99	3.45	6.31	12.12	15.40	14.82	14.62	11.52	7.00	9.42	7.08	8.55
MAX	5.05	5.48	9.29	16.56	16.98	16.43	19.22	16.38	9.18	12.70	10.70	12.51
MIN	3.14	3.07	5.01	5.29	12.48	10.11	9.73	8.38	5.02	4.95	5.57	6.01

LOWER MISSISSIPPI RIVER BASIN

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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 1978. Elevation, intermittently, 1932 to current year; discharge, intermittently, 1911 to 1913, 1928, 1929, and 1932 to 1936; and discharge computed daily since 1936 are in reports of Corps of Engineers.

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

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

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

AVERAGE DISCHARGE.--6 years (water years 1973-77) 522,200 ft³/s (14,790 m³/s), 378,830,000 acre-ft/yr (467 km³/yr).

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

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

EXTREMES FOR CURRENT YEAR.--Water year 1978: Maximum daily discharge, 977,000 ft³/s (27,700 m³/s) Apr. 10; minimum daily, 223,000 ft³/s (6,320 m³/s) Sept. 25, 26.

*RECORDS FOR THE 1979 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 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360000	301000	572000	589000	552000	346000	907000	653000	778000	338000	313000	237000
2	360000	308000	578000	573000	573000	330000	919000	654000	765000	336000	320000	229000
3	360000	325000	583000	557000	581000	317000	929000	651000	750000	336000	323000	229000
4	359000	349000	591000	534000	597000	313000	943000	652000	729000	337000	321000	231000
5	356000	372000	600000	516000	614000	312000	953000	652000	701000	331000	321000	235000
6	354000	385000	606000	496000	633000	312000	964000	651000	676000	324000	322000	240000
7	355000	392000	607000	480000	676000	318000	971000	657000	658000	324000	322000	245000
8	356000	395000	617000	461000	688000	331000	975000	691000	641000	329000	323000	252000
9	372000	397000	636000	441000	690000	341000	976000	713000	619000	340000	326000	259000
10	395000	399000	654000	436000	689000	346000	977000	752000	593000	350000	328000	268000
11	407000	413000	671000	432000	679000	351000	927000	756000	562000	352000	328000	275000
12	397000	436000	686000	430000	643000	363000	929000	760000	532000	353000	326000	277000
13	406000	455000	703000	428000	581000	380000	927000	765000	509000	354000	319000	274000
14	408000	466000	719000	425000	558000	425000	922000	769000	490000	355000	309000	266000
15	409000	472000	734000	423000	529000	457000	916000	771000	467000	356000	304000	257000
16	411000	479000	741000	427000	504000	476000	904000	775000	450000	359000	298000	251000
17	413000	487000	743000	452000	478000	499000	889000	789000	441000	360000	294000	248000
18	417000	496000	746000	478000	456000	535000	874000	805000	430000	361000	293000	248000
19	418000	505000	743000	509000	438000	573000	858000	814000	418000	359000	290000	252000
20	418000	516000	730000	542000	423000	610000	834000	823000	412000	358000	286000	250000
21	415000	532000	719000	563000	411000	646000	811000	831000	402000	358000	283000	246000
22	407000	543000	697000	572000	401000	674000	794000	839000	392000	357000	282000	243000
23	392000	538000	687000	571000	390000	704000	778000	846000	378000	358000	278000	234000
24	373000	530000	671000	562000	384000	735000	762000	848000	367000	364000	273000	227000
25	357000	519000	664000	562000	376000	759000	743000	849000	357000	358000	270000	230000
26	342000	511000	659000	564000	369000	780000	728000	851000	349000	361000	265000	223000
27	326000	512000	644000	571000	361000	801000	710000	850000	345000	360000	258000	230000
28	313000	511000	636000	573000	352000	837000	692000	848000	345000	355000	253000	241000
29	305000	519000	630000	570000	---	857000	676000	848000	346000	345000	252000	253000
30	298000	567000	627000	573000	---	875000	662000	821000	345000	334000	266000	261000
31	299000	---	620000	541000	---	892000	---	794000	---	322000	253000	---
TOTAL	11558000	13630000	20514000	15851000	14626000	16495000	25850000	23778000	15247000	10784000	9199000	7404000
MEAN	372800	454300	661700	511300	522400	532100	861700	767000	508200	347900	296700	246800
MAX	418000	567000	746000	589000	690000	892000	977000	778000	851000	778000	328000	277000
MIN	298000	301000	572000	423000	352000	312000	662000	651000	345000	322000	252000	223000
AC-FT	22930000	27040000	40690000	31440000	29010000	32720000	51270000	47160000	30240000	21390000	18250000	14690000
CAL YR 1977	TOTAL	138357000	MEAN	379100	MAX	746000	MIN	171000	AC-FT	274400000		
WTR YR 1978	TOTAL	184936000	MEAN	506700	MAX	977000	MIN	223000	AC-FT	366800000		

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.25	22.69	35.42	36.66	34.42	24.49	45.92	39.43	45.89	25.42	24.47	19.33
2	26.22	22.95	35.54	36.00	35.37	24.16	46.37	39.47	45.61	25.30	24.20	18.60
3	26.27	23.61	35.55	35.44	35.65	23.81	46.82	39.31	45.29	25.29	24.02	18.50
4	26.24	24.92	35.68	34.59	36.22	23.52	47.11	39.42	44.90	25.37	23.92	18.70
5	26.15	26.31	35.83	33.89	36.90	23.49	47.48	39.40	44.30	25.51	23.94	18.92
6	25.97	27.25	36.00	33.27	37.71	23.50	47.90	39.39	43.75	25.18	23.96	19.36
7	25.96	27.71	35.82	32.50	38.06	23.77	48.17	39.35	42.96	25.15	23.97	19.70
8	25.89	27.92	36.23	31.89	38.51	24.37	48.35	40.83	42.24	25.33	24.01	20.17
9	26.22	28.06	36.92	30.92	38.65	24.93	48.42	41.62	41.24	25.76	24.19	20.69
10	26.59	28.00	37.26	30.34	38.65	25.14	48.39	42.32	40.09	26.16	24.31	21.27
11	28.37	28.52	38.15	29.71	38.34	25.40	48.61	42.56	38.64	26.21	24.29	21.74
12	27.84	29.41	38.95	29.34	37.74	25.93	48.68	42.98	37.22	26.28	24.22	21.90
13	28.11	30.51	39.30	29.07	36.69	26.69	48.56	43.33	36.00	26.39	23.99	21.80
14	28.34	31.01	39.99	28.75	35.75	27.72	48.40	43.71	35.14	26.46	23.75	21.46
15	28.34	31.29	40.39	28.64	34.36	29.28	48.22	43.92	33.79	26.60	23.65	20.94
16	28.38	31.54	40.80	28.88	33.13	30.02	47.90	44.23	32.60	26.82	23.35	20.54
17	28.44	31.73	40.94	29.80	31.79	30.88	47.42	44.60	32.23	27.00	23.10	20.32
18	28.59	32.00	40.99	30.82	30.71	32.32	47.00	45.19	31.55	27.04	23.05	20.28
19	28.75	32.28	40.87	32.12	29.71	33.91	46.53	45.45	30.87	26.99	22.84	20.57
20	28.83	32.67	40.53	33.51	28.89	35.50	45.85	45.72	30.38	26.89	22.64	20.49
21	28.85	32.94	40.19	34.47	28.22	36.69	44.97	45.98	29.86	26.90	22.37	20.13
22	28.61	33.51	39.56	34.90	27.70	37.62	44.44	46.27	29.12	26.88	22.38	20.02
23	28.20	33.59	39.15	34.95	26.99	38.82	43.92	46.46	28.16	26.88	22.04	19.44
24	27.36	33.42	38.69	34.45	26.79	40.04	43.42	46.57	27.26	27.12	21.58	18.88
25	26.41	33.15	38.28	35.02	26.33	41.05	42.95	46.62	26.51	27.30	21.39	18.50
26	25.82	32.92	38.86	34.93	25.95	41.79	42.31	46.72	25.80	27.45	20.83	18.49
27	24.87	32.75	37.45	34.32	25.45	42.66	41.67	46.69	25.48	27.41	20.43	18.95
28	23.97	33.10	37.45	34.01	24.91	43.29	40.99	46.60	25.35	27.25	20.08	19.67
29	23.35	33.20	37.20	33.93	---	43.89	40.39	46.63	25.40	26.62	19.86	20.64
30	22.84	34.97	37.20	33.94	---	44.66	39.86	46.37	25.56	25.90	20.92	21.14
31	22.60	---	36.95	34.14	---	45.28	---	46.21	---	25.21	20.30	---
MEAN	26.73	30.13	38.13	32.75	32.84	32.08	45.90	43.66	34.77	26.32	22.84	20.04
MAX	28.85	34.97	40.99	36.66	38.65	45.28	48.68	46.72	45.89	27.45	24.47	21.90
MIN	22.60	22.69	35.42	28.64	24.91	23.49	39.86	39.31	25.35	25.15	19.86	18.49

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973-78.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	468000	205000	452000	435000	497000	152000	1200000	680000	629000	162000	246000	284000
2	448000	212000	449000	464000	520000	150000	1220000	670000	597000	116000	268000	253000
3	429000	229000	446000	443000	529000	149000	1240000	656000	566000	110000	287000	236000
4	413000	252000	445000	426000	547000	154000	1260000	647000	530000	143000	302000	223000
5	369000	276000	446000	413000	567000	161000	1270000	636000	490000	195000	319000	212000
6	370000	290000	443000	393000	589000	168000	1290000	625000	454000	199000	339000	203000
7	356000	299000	453000	387000	640000	181000	1300000	622000	452000	209000	359000	194000
8	342000	304000	473000	372000	654000	199000	1300000	653000	451000	223000	382000	188000
9	347000	308000	502000	355000	656000	217000	1300000	668000	445000	244000	350000	181000
10	359000	312000	531000	356000	654000	232000	1300000	704000	434000	266000	321000	176000
11	357000	326000	560000	356000	641000	247000	1210000	714000	418000	281000	291000	170000
12	331000	354000	589000	359000	596000	271000	1210000	725000	402000	296000	262000	160000
13	327000	376000	620000	362000	525000	301000	1200000	737000	391000	312000	232000	156000
14	315000	390000	652000	363000	481000	363000	1190000	748000	384000	328000	202000	149000
15	303000	400000	684000	365000	433000	405000	1186000	757000	373000	346000	180000	141000
16	292000	410000	707000	375000	393000	434000	1160000	758000	366000	367000	186000	136000
17	282000	421000	724000	402000	354000	469000	1130000	793000	368000	386000	194000	133000
18	273000	434000	743000	431000	322000	522000	1100000	820000	368000	407000	206000	132000
19	277000	447000	755000	455000	295000	580000	1080000	838000	366000	395000	216000	133000
20	280000	463000	736000	502000	272000	639000	1040000	857000	370000	385000	225000	131000
21	281000	485000	799000	526000	253000	699000	997000	875000	350000	376000	236000	127000
22	277000	501000	874000	535000	236000	751000	968000	893000	331000	366000	250000	124000
23	267000	486000	854000	532000	220000	807000	941000	910000	308000	359000	261000	117000
24	253000	468000	828000	520000	208000	868000	915000	887000	290000	359000	271000	111000
25	242000	447000	812000	518000	195000	920000	884000	862000	273000	343000	284000	108000
26	231000	430000	800000	519000	184000	969000	847000	840000	259000	339000	295000	107000
27	219000	423000	876000	525000	173000	1020000	807000	815000	249000	330000	303000	114000
28	210000	414000	861000	525000	161000	1130000	769000	789000	243000	317000	314000	125000
29	204000	415000	848000	521000	---	1130000	734000	766000	238000	299000	333000	136000
30	200000	455000	839000	523000	---	1160000	703000	714000	232000	280000	379000	145000
31	202000	---	525000	484000	---	1180000	---	664000	---	261000	331000	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
18...	1315	242	273000	81
26...	1315	251	231000	73
NOV				
22...	1530	341	501000	67
DEC				
06...	1230	271	443000	77
JAN				
03...	1315	295	443000	73
16...	1130	326	375000	75
31...	1315	332	484000	74
FEB				
13...	1115	335	525000	85
MAR				
01...	1200	163	152000	77
14...	1215	317	363000	64
28...	1115	487	1100000	75
APR				
25...	1315	441	884000	89
MAY				
10...	1130	347	704000	82
23...	1200	399	910000	83
JUN				
06...	1145	249	454000	86
20...	1200	333	370000	94
JUL				
05...	1145	218	195000	86
18...	1145	418	407000	93
AUG				
01...	1130	292	246000	92
08...	1145	438	382000	92
15...	1130	219	180000	87
30...	1145	528	379000	97
SEP				
12...	1145	214	160000	89
26...	1145	178	107000	92

RED RIVER BASIN

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

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

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

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to current year.

WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,490 micromhos July 1, 1978; minimum daily, 142 micromhos May 27, 1978.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,260 micromhos Oct. 17; minimum daily, 104 micromhos Feb. 13, 14, 15.

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

WATER QUALITY DATA: WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHALLI UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT										
20...	1100	7300	1200	7.7	21.5	20	40	6.9	3.2	K10
NOV										
16...	1200	--	1170	7.2	20.5	10	30	7.4	--	K120
DEC										
15...	1000	47200	323	7.5	8.5	70	95	9.4	3.3	880
JAN										
12...	1200	114000	172	6.3	1.0	100	190	13.2	5.6	1000
FEB										
23...	1200	141000	126	6.9	10.0	80	95	11.8	3.5	240
MAR										
02...	1300	173000	159	7.1	13.0	120	250	8.4	2.5	260
APR										
05...	1200	144000	162	7.0	18.0	50	75	6.3	.0	360
MAY										
04...	1400	--	163	6.5	21.0	80	50	6.6	4.0	K45
JUN										
08...	1300	--	237	6.6	25.0	80	170	6.8	3.1	K120
JUL										
06...	1315	95300	328	6.7	29.5	70	75	4.2	.2	3900
AUG										
03...	1300	36900	576	7.1	30.5	30	45	7.3	1.6	K10
SEPT										
14...	1300	12700	550	6.9	28.0	40	25	6.9	2.1	10
DATE	TIME	SPECIFIC CONDUCTANCE PER 100 ML	HARDNESS NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD-SURFTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)
OCT										
20...	640	260	89	65	21	140	54	3.8	4.6	204
NOV										
16...	45	230	69	61	18	140	57	4.0	5.2	192
DEC										
15...	640	69	19	19	5.3	34	50	1.8	3.5	61
JAN										
12...	3000	50	17	15	3.0	15	38	.9	2.9	40
FEB										
23...	540	36	12	9.3	3.1	12	41	.9	1.8	29
MAR										
02...	6500	51	13	16	2.7	12	33	.7	1.9	47
APR										
05...	540	58	14	18	3.2	11	28	.6	2.2	54
MAY										
04...	835	41	14	12	2.6	14	41	1.0	2.4	32
JUN										
06...	320	67	26	21	3.6	20	38	1.1	2.7	50
JUL										
06...	825	74	31	20	5.8	37	51	1.9	2.5	52
AUG										
03...	45	130	41	36	10	57	48	2.2	3.3	110
SEPT										
14...	48	130	36	34	10	60	50	2.3	4.0	112

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

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

RED RIVER BASIN

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINIT (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 20...	0	167	6.5	100	220	.2	7.9	669	663	.91	.33
NOV 16...	0	157	19	97	200	.2	5.2	635	621	.86	.22
DEC 15...	0	50	3.1	30	44	.1	7.4	184	173	.25	.42
JAN 12...	0	33	10	19	22	.1	6.5	113	103	.15	.69
FEB 23...	0	24	5.8	13	19	.1	6.6	79	79	.11	.22
MAR 09...	0	39	6.0	15	14	.1	5.7	92	91	.13	.30
APR 06...	0	44	8.5	13	16	.1	5.7	107	96	.15	.33
MAY 04...	0	26	16	22	21	.1	5.6	109	95	.15	.36
JUN 08...	0	41	20	37	24	.2	5.0	145	138	.20	.21
JUL 06...	0	43	17	34	50	.2	4.8	187	180	.25	.17
AUG 03...	0	90	14	50	89	.2	5.6	316	305	.43	.35
SEP 14...	0	92	23	33	85	.2	7.7	302	289	.41	--

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 20...	.29	.35	1.3	1.6	.40	1.2	1.9	8.5
NOV 16...	.07	.08	.93	1.0	.25	.75	1.2	5.4
DEC 15...	.09	.11	.73	.82	.00	.82	1.2	5.5
JAN 12...	.15	.18	.95	1.1	--	--	1.8	7.9
FEB 23...	.12	.15	.63	.75	.21	.54	.97	4.3
MAR 09...	.13	.16	--	--	--	.82	--	--
APR 06...	.22	.27	.72	.94	.08	.86	1.3	5.6
MAY 04...	.01	.01	.66	.67	.19	.48	1.0	4.6
JUN 08...	.04	.05	.86	.90	.11	.79	1.1	4.9
JUL 06...	.06	.07	.72	.78	--	--	.95	4.2
AUG 03...	.06	.07	.80	.86	.27	.59	1.2	5.4

RED RIVER BASIN

310235091432700 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD			MANGANESE			MERCURY		
	TOTAL RECOVERABLE (UG/L AS Pb)	SUS- PENDED RECOVERABLE (UG/L AS Pb)	DIS- SOLVED (UG/L AS Pb)	TOTAL RECOVERABLE (UG/L AS Mn)	SUS- PENDED RECOVERABLE (UG/L AS Mn)	DIS- SOLVED (UG/L AS Mn)	TOTAL RECOVERABLE (UG/L AS Hg)	SUS- PENDED RECOVERABLE (UG/L AS Hg)	DIS- SOLVED (UG/L AS Hg)
OCT 20...			0	460	220	240	.0	.0	.0
JAN 12...	12	10	2	270	230	40	.0	.0	.0
APR 05...	35	34	1	400	400	0	.2	.1	.1
JUL 06...	13	12	1	260	190	70	.1	.1	.0
SEP 14...	--	--	--	--	--	--	--	--	--

DATE	SILVER			SILVER			ZINC		
	TOTAL RECOVERABLE (UG/L AS SE)	SUS- PENDED RECOVERABLE (UG/L AS SE)	DIS- SOLVED (UG/L AS SE)	TOTAL RECOVERABLE (UG/L AS Ag)	SUS- PENDED RECOVERABLE (UG/L AS Ag)	DIS- SOLVED (UG/L AS Ag)	TOTAL RECOVERABLE (UG/L AS Zn)	SUS- PENDED RECOVERABLE (UG/L AS Zn)	DIS- SOLVED (UG/L AS Zn)
OCT 20...	0	0	0	0	0	0	60	30	30
JAN 12...	1	0	1	0	0	0	60	30	30
APR 05...	0	0	0	0	0	0	50	20	30
JUL 06...	0	0	0	0	0	0	30	30	3
SEP 14...	--	--	--	--	--	--	--	--	--

PHYTO- PLANK- TON TOTAL (CELLS PER ML)	
DATE	
NOV 16...	120000
MAR 09...	190
MAY 04...	310
JUL 06...	2600

RED RIVER BASIN

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310235091432700 RED RIVER NEAR SIMMESPORT, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	1090	343	204	124	138	162	145	194	327	451	
2	949	1070	305	261	120	140	155	175	195	310	492	
3	989	1090	295	225	118	169	156	171	200	303	563	
4	1120	1040	338	209	113	149	158	162	213	296	547	
5	1070	1070	361	198	112	147	166	173	214	298	559	
6	1110	1120	312	174	108	147	169	195	207	319	440	
7	1140	1140	388	171	113	158	168	227	197	319	308	
8	1160	1080	427	195	116	152	182	227	212	318	285	
9	1120	1130	315	243	115	164	175	205	211	304	281	
10	1140	1140	289	202	115	157	162	185	198	307	290	
11	1130	1130	323	182	107	147	155	182	205	301	320	
12	1080	1180	300	171	105	142	148	164	208	303	317	
13	1110	1100	304	163	104	143	145	148	195	343	335	
14	1120	1170	328	157	104	140	146	144	191	305	371	
15	1070	1140	312	169	104	137	146	145	197	309	346	
16	1160	1160	357	193	108	127	146	158	190	361	336	
17	1260	1080	299	184	116	126	144	148	216	373	340	
18	1120	1070	270	174	118	124	145	153	226	376	357	
19	1160	924	285	166	123	124	146	157	227	361	389	
20	1160	731	241	152	122	126	147	144	234	351	403	
21	1180	642	196	163	118	129	153	147	235	351	398	
22	1220	591	308	142	121	129	153	131	274	368	402	
23	1080	1060	189	147	126	134	139	146	330	366	408	
24	1160	453	194	159	135	135	141	151	339	400	409	
25	1100	366	195	156	141	137	134	159	347	410	410	
26	1050	350	197	147	124	141	134	158	331	405	---	
27	1140	352	213	150	118	160	134	157	301	380	---	
28	1030	493	223	159	120	193	124	177	311	373	---	
29	1020	---	224	145	---	176	124	193	363	374	---	
30	1090	349	223	143	---	---	127	211	308	381	---	
31	1080	---	207	136	---	189	---	192	---	434	---	

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.0	23.0	14.0	11.0	7.0	12.0	26.0	21.5	23.0	25.0	29.0	
2	26.0	20.0	15.0	9.0	8.0	14.0	18.0	22.0	24.0	30.0	29.0	
3	25.0	20.0	18.0	8.0	9.0	18.0	18.0	23.0	23.0	35.0	29.0	
4	25.0	20.0	15.0	9.0	8.0	12.0	17.0	23.0	25.0	34.0	30.0	
5	26.0	22.0	14.0	9.0	8.0	10.0	16.0	23.0	25.0	26.0	29.0	
6	23.0	21.0	14.0	9.0	8.0	12.0	---	25.5	26.0	35.0	29.0	
7	25.0	17.0	18.0	8.0	8.0	12.0	17.0	---	25.0	26.0	29.0	
8	23.0	17.0	19.0	9.0	8.0	12.0	18.0	23.0	26.0	28.0	29.0	
9	20.0	18.0	14.0	5.0	---	12.0	18.0	21.5	26.0	23.0	30.0	
10	20.0	17.0	11.0	6.0	6.0	14.0	17.0	25.0	25.0	22.0	29.0	
11	21.0	18.0	11.0	8.0	8.0	13.0	20.0	25.0	25.0	26.0	29.0	
12	24.0	19.0	10.0	6.0	10.0	13.0	20.0	23.0	23.0	26.0	29.0	
13	23.0	21.0	10.0	10.0	10.0	14.0	20.0	22.5	24.0	27.0	27.0	
14	19.0	21.0	10.0	5.0	10.0	14.0	19.0	20.0	25.0	26.0	28.0	
15	19.0	20.0	10.0	9.0	12.0	13.0	18.0	25.0	24.0	26.0	28.0	
16	24.0	22.0	13.0	8.0	10.0	15.0	20.0	22.0	25.0	26.0	25.0	
17	18.0	17.0	10.0	7.0	10.0	14.0	20.0	23.0	25.0	28.0	30.0	
18	19.0	18.0	15.0	8.0	9.0	15.0	20.0	24.0	25.0	26.0	28.0	
19	21.0	18.0	13.0	8.0	9.0	15.0	20.0	25.0	25.0	28.0	29.0	
20	18.0	20.0	11.0	10.0	9.0	17.0	20.0	25.0	25.0	28.0	29.0	
21	18.0	15.0	10.0	10.0	10.0	16.0	20.0	25.0	25.0	29.0	28.0	
22	19.0	20.0	15.0	8.0	10.0	17.0	20.0	24.0	25.0	28.0	29.0	
23	22.0	15.0	11.0	10.0	15.0	15.0	23.0	25.0	25.0	28.0	29.0	
24	20.0	19.0	12.0	8.0	13.0	14.0	21.0	24.0	25.0	28.0	29.0	
25	20.0	17.0	10.0	8.0	10.0	14.0	22.0	23.0	27.0	28.0	27.0	
26	21.0	20.0	9.0	8.0	11.0	15.0	21.0	23.0	28.0	29.0	---	
27	20.0	20.0	10.0	8.0	10.0	15.0	24.0	22.0	27.0	28.0	---	
28	23.0	15.0	9.0	10.0	14.0	17.0	21.0	22.0	29.0	28.0	---	
29	22.0	---	11.0	8.0	---	15.0	21.0	24.0	24.0	29.0	---	
30	23.0	15.0	10.0	8.0	---	---	22.0	23.0	27.0	28.0	---	
31	20.0	---	14.0	8.0	---	20.0	---	24.0	---	28.0	---	

RED RIVER BASIN

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	MAR 7, 79 1300	MAY 4, 79 1400	JUL 6, 79 1315			
TOTAL CELLS/ML	930	310	2600			
DIVERSITY: DIVISION	0.8	0.2	1.3			
..CLASS	0.8	0.2	1.3			
...ORDER	0.8	1.2	1.4			
...FAMILY	1.1	1.2	2.2			
...GENUS	1.1	1.5	2.6			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHLORODICTYACEAE						
....PEDIASTRUM	--	-	--	-	520#	20
...DUCYSTACEAE						
....ANKISTRODESMUS	72	8	13	4	--	-
...DUCYSTIS	--	-	--	-	260	10
...SCENEDESMACEAE						
....SCENEDESMUS	720#	77	--	-	650#	24
CHRYSDOPHYTA						
..RACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCEACEAE						
....COSCINODISCUS	72	8	--	-	65	2
...CYCLOTELLA	--	-	39	13	650#	24
...MELUSINA	--	-	77#	25	260	10
...PENNALES						
...FRAGILARIACEAE						
....ASTERIONELLA	--	-	180#	58	--	-
...NITZSCHIA	--	-	--	-	65	2
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
....ANACYSTIS	--	-	--	-	190	7
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....TRACHELUMONAS	72	8	--	-	--	-

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

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

LOWER MISSISSIPPI RIVER BASIN

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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 September 1978.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

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

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 533 micromhos Nov. 23; minimum, 231 micromhos Jan. 22.

WATER TEMPERATURES: Maximum, 29.0°C Aug. 18, 19, 21; minimum, 3.0°C Jan. 14.

CHLORIDE: Maximum, 34 mg/L June 22; minimum, 9.0 mg/L Dec. 29.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)
OCT 23...	1300	477	7.6	18.0	10	55	<1.0	8.5	55	3.5	K1800	1000
NOV 13...	1130	509	8.1	17.0	15	40	<1.0	9.5	22	2.4	3300	K90
DEC 12...	1200	386	7.8	9.0	10	130	<1.0	9.9	19	2.0	K160000	360
JAN 08...	1030	295	7.7	8.0	40	140	<1.0	11.7	16	3.1	16000	--
FEB 08...	1245	243	7.4	3.0	30	65	<1.0	12.1	36	2.4	680	K90
MAR 06...	1200	285	6.9	6.5	50	250	<1.0	10.6	84	2.2	1700	K400
APR 02...	1000	293	7.2	13.0	50	70	<1.0	10.2	26	2.8	--	--
MAY 07...	1500	298	7.5	18.5	15	50	<1.0	7.7	28	--	600	K10
JUN 11...	1300	355	7.6	24.0	10	55	<1.0	7.5	9	.5	--	K1200
JUL 20...	1200	380	7.2	28.0	15	85	<1.0	7.3	20	.8	1000	200
AUG 06...	1130	363	7.2	31.0	10	80	<1.0	6.4	20	.5	K650	160
SEP 07...	1100	391	7.1	28.0	15	50	<1.0	6.3	17	.6	K90	<5

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

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	STREP- FECAL KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SURP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)
OCT 23...	--	210	72	54	18	--	--	--	--	--	167	0
NOV 13...	--	190	54	49	16	--	--	--	--	--	164	0
DEC 12...	780	130	41	38	9.0	--	--	--	--	--	111	0
JAN 08...	2000	110	32	30	8.4	--	--	--	--	--	95	0
FEB 08...	700	85	24	24	6.2	--	--	--	--	--	75	0
MAR 06...	K750	110	36	29	8.3	14	22	.8	--	2.8	86	0
APR 02...	800	110	53	30	8.7	12	19	.5	--	3.1	71	0
MAY 07...	<10	130	39	36	9.6	11	15	.4	14	2.9	106	0
JUN 11...	K10	130	40	34	11	18	23	.7	21	2.8	110	0
JUL 20...	K150	140	42	37	12	19	22	.7	22	3.4	122	0
AUG 06...	K240	140	38	37	14	17	20	.6	20	3.4	126	0
SEP 07...	110	150	40	39	12	18	21	.6	--	3.4	130	0

DATE	ALKA- LINITTY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 23...	140	6.7	73	15	.3	--	--	--	104	1.3	.01	1.3
NOV 13...	130	2.1	87	23	.2	--	--	--	78	1.1	.01	1.1
DEC 12...	91	2.8	58	20	.2	--	--	--	280	.98	.02	1.0
JAN 08...	78	3.0	39	14	.1	--	--	--	250	1.0	.10	1.1
FEB 08...	62	1.5	34	13	.1	--	--	--	224	.84	.10	.94
MAR 06...	71	17	40	14	.2	--	--	296	456	1.1	.04	1.1
APR 02...	58	7.2	39	19	.2	--	--	--	143	1.6	.06	1.7
MAY 07...	87	5.4	38	14	.2	6.3	170	--	58	1.9	.02	1.9
JUN 11...	90	4.4	47	18	.2	5.4	191	--	79	1.3	.04	1.3
JUL 20...	100	12	48	19	.2	6.0	205	--	184	1.5	.02	1.5
AUG 06...	103	12	51	21	.2	6.2	208	--	156	1.4	.04	1.4
SEP 07...	107	17	61	21	.2	--	--	113	--	1.4	.02	1.4

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN. AMMONIA TOTAL (MG/L AS N)	NITRO- GEN. AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN. ORGANIC TOTAL (MG/L AS N)	NITRO- GEN. AM- MONIA + ORG. TOTAL (MG/L AS N)	NITRO- GEN. NH4 + ORG. TOTAL (MG/L AS N)	NITRO- GEN. AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN. TOTAL (MG/L AS N)	NITRO- GEN. TOTAL (MG/L AS NH3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 23...	.01	.01	.67	.68	.07	.61	2.0	8.8	.20	--	.61	.12
NOV 13...	.01	.01	.78	.79	.00	.79	1.9	8.4	.17	--	.52	.09
DEC 12...	.03	.04	--	--	--	1.8	--	--	.40	--	1.2	.13
JAN 08...	.06	.07	--	--	--	.61	--	--	.31	--	.95	.11
FEB 08...	.03	.04	.57	.60	.15	.45	1.5	6.8	.21	--	.64	.04
MAR 06...	.19	.24	.51	.70	.00	.70	1.8	8.0	.10	--	.31	.04
APR 02...	.06	.07	--	--	--	.63	--	--	.16	.49	.49	.05
MAY 07...	.03	.04	.60	.63	.18	.45	2.5	11	.14	.43	.43	.07
JUN 11...	.05	.06	.67	.72	.31	.41	2.0	8.9	.16	.49	.49	.02
JUL 20...	.01	.01	.81	.82	.39	.43	2.3	10	.26	--	.80	.07
AUG 06...	.01	.01	1.4	1.4	.20	1.2	2.8	12	.24	--	.74	--
SEP 07...	.01	.01	.98	.99	.04	.95	2.4	11	.25	--	.77	.08

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)
OCT 23...	3	1	2	200	100	100	0	0	0	4	3
NOV 13...	3	1	2	100	100	0	0	0	0	1	1
DEC 12...	4	3	1	100	100	0	0	0	0	4	3
JAN 08...	3	2	1	100	0	100	10	10	0	5	4
FEB 08...	2	1	1	100	100	0	0	0	0	3	3
MAR 06...	3	2	1	100	0	100	10	0	10	6	5
APR 02...	2	1	1	100	40	60	1	0	1	6	5
MAY 07...	2	1	1	100	100	0	0	0	0	1	1
JUN 11...	3	2	1	100	30	70	1	0	1	4	0
JUL 20...	2	1	1	100	30	70	1	0	1	1	0
AUG 06...	3	1	2	100	100	0	10	10	0	3	0
SEP 07...	3	1	2	100	40	60	10	10	0	1	0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHROMIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHROMIUM, DIS- SOLVED (UG/L AS CR)	CHROMIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT 23...	1	0	0	0	0	1	1	0	19	10	9
NOV 13...	0	0	0	0	0	1	1	0	9	2	7
DEC 12...	1	20	10	10	0	6	5	1	28	17	11
JAN 08...	1	100	90	10	0	4	2	2	53	46	7
FEB 08...	0	0	0	0	0	4	4	0	31	20	11
MAR 06...	1	10	10	0	0	7	7	0	39	35	4
APR 02...	1	10	10	0	0	4	1	3	61	55	6
MAY 07...	0	10	0	10	0	1	1	0	18	14	4
JUN 11...	4	10	10	0	0	3	0	3	23	20	3
JUL 20...	1	10	10	0	0	3	0	3	19	15	4
AUG 06...	3	10	10	0	0	3	3	0	10	0	10
SEP 07...	1	20	13	7	--	2	2	0	11	5	6

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)
OCT 23...	3400	3400	50	10	9	1	280	270	10	.1	.1
NOV 13...	2200	2200	30	5	5	0	180	180	0	.0	.0
DEC 12...	8700	8600	90	14	11	3	480	470	10	.0	.0
JAN 08...	8500	8400	70	19	17	2	380	370	10	.0	.0
FEB 08...	6200	6200	30	10	9	1	220	220	0	.0	.0
MAR 06...	11000	11000	70	30	26	4	350	330	20	.1	.1
APR 02...	4800	4800	20	65	65	0	150	140	9	.1	.1
MAY 07...	2800	2800	10	14	14	0	100	100	0	.3	.3
JUN 11...	3900	3800	70	24	24	0	200	190	9	.0	.0
JUL 20...	6000	6000	10	14	14	0	280	280	5	.1	.1
AUG 06...	4300	4300	40	22	20	2	280	260	20	.1	.1
SEP 07...	4000	4000	10	6	6	0	240	240	2	.1	.1

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ENABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ENABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ENABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ENABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)
OCT 23...	.0	6	0	6	1	1	0	0	0	0
NOV 13...	.0	10	8	2	2	0	2	0	0	0
DEC 12...	.0	16	13	3	1	1	0	0	0	0
JAN 08...	.0	21	16	5	0	0	0	0	0	0
FEB 08...	.0	9	8	1	0	0	0	0	0	0
MAR 08...	.0	19	16	3	0	0	0	0	0	0
APR 02...	.0	8	8	0	1	1	0	0	0	0
MAY 07...	.0	9	9	0	1	0	1	0	0	0
JUN 11...	.0	10	7	3	0	0	0	0	0	0
JUL 20...	.0	11	9	2	1	0	1	0	0	0
AUG 06...	.0	10	3	7	0	1	1	0	0	0
SEP 07...	.0	7	4	3	1	1	0	0	0	0

DATE	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ENABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ENABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 23...	.0	30	20	10	--	5.7	2.4	.00	1	0
NOV 13...	.0	20	10	10	5.0	--	--	.00	2	0
DEC 12...	.1	40	10	30	7.0	--	--	.00	0	0
JAN 08...	.0	70	50	20	7.7	4.4	1.1	.00	0	5
FEB 08...	.0	50	40	10	5.8	--	--	.00	0	0
MAR 06...	.0	80	60	20	9.1	--	--	.00	0	0
APR 02...	.2	70	60	7	9.4	5.0	1.4	.00	4	3
MAY 07...	.0	50	40	10	5.7	--	--	.00	2	0
JUN 11...	.0	50	40	6	7.7	--	--	.00	2	0
JUL 20...	1.0	60	50	4	5.3	4.7	--	.00	2	0
AUG 06...	1.0	50	0	50	5.8	--	--	.00	3	2
SEP 07...	1.0	20	10	10	--	--	--	.00	4	83

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDU, TOTAL (UG/L)	UDE, TOTAL (UG/L)	DDI, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 23...	.0	.00	.000	.0	.000	.000	.000	.79	.002	.000
NOV 13...	.0	.00	.080	.0	.000	.000	.001	.07	.002	--
DEC 12...	.0	.00	.000	.0	.000	.000	.000	.01	.002	.000
JAN 08...	--	--	--	--	--	--	--	.01	--	--
08...	ND	--	ND	ND	ND	ND	ND	ND	ND	--
FEB 08...	.0	--	.000	.0	.001	.001	.003	.01	.001	.001
MAR 06...	ND	--	ND	ND	ND	ND	ND	ND	ND	--
06...	.0	--	.000	.0	.000	.000	.005	.03	.005	.000
APR 02...	.0	.00	.000	.0	.000	.000	.000	.01	.000	.000
MAY 07...	.0	.00	.000	.0	.000	.000	.001	.04	.000	.000
07...	ND	--	ND	ND	ND	ND	ND	ND	ND	--
JUN 11...	.0	.00	.000	.0	.000	.000	.005	.00	.002	.000
AUG 06...	.0	.00	.000	.0	.000	.000	.000	.01	.000	.000
SEP 07...	.0	.00	.000	.0	.000	.000	.000	.01	.004	.000

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 23...	.000	.00	.000	.000	.000	.02	.00	.00	.00
NOV 13...	.000	.00	.000	.000	.001	.00	.00	.00	.00
DEC 12...	.000	.00	.000	.000	.000	.00	.00	.00	.00
JAN 08...	--	.00	--	--	--	.00	.00	.00	.00
08...	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 08...	.000	.00	.000	.000	.000	.00	.00	.00	.00
MAR 06...	ND	ND	ND	ND	ND	ND	ND	ND	ND
06...	.000	.00	.000	.000	.000	.00	.00	.00	.00
APR 02...	.000	.00	.000	.000	.000	.00	.00	.00	.00
MAY 07...	.000	.00	.000	.000	.000	.00	.00	.00	.00
07...	ND	ND	ND	ND	ND	ND	ND	ND	ND
JUN 11...	.000	.00	.000	.000	.000	.00	.00	.00	.00
AUG 06...	.000	.00	.000	.000	.000	.00	.00	.00	.00
SEP 07...	.000	.00	.000	.000	.000	.00	.00	.00	.00

ND Material specifically analyzed for but not detected.

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TUX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
OCT 23...	.00	.00	.00	.0	.00	.02	.00	.01	4500
NOV 13...	.00	.00	.00	.0	.00	.00	.00	.00	--
DEC 12...	.00	.00	.00	.0	.00	.05	.03	.01	--
JAN 08...	--	.00	--	--	.00	.02	.02	.00	--
08...	--	ND	--	ND	ND	--	--	--	--
FEB 08...	.00	.00	.00	.0	.00	.01	.01	.00	--
MAR 06...	--	ND	--	ND	ND	--	--	--	--
06...	.00	.00	.00	.0	.00	.03	.02	.00	1200
APR 02...	.00	.00	.00	.0	.00	.03	.01	.00	--
MAY 07...	.00	.00	.00	.0	.00	.02	.00	.00	100
07...	--	ND	--	ND	ND	--	--	--	--
JUN 11...	.00	.00	.00	.0	.00	.01	.01	.00	2000
AUG 06...	.00	.00	.00	.0	.00	.00	.00	.00	--
SEP 07...	.00	.00	.00	.0	.00	.02	.01	.00	--

ND Material specifically analyzed for but not detected.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	428	486	462	277	254	308	302	285	337	409	380	405
2	433	489	476	276	259	303	302	284	338	412	395	406
3	443	488	486	277	263	306	303	283	334	415	394	412
4	444	503	486	286	264	295	307	286	342	416	393	411
5	413	502	462	290	262	---	307	291	347	418	359	411
6	400	513	463	290	250	247	304	294	349	412	355	400
7	396	513	432	288	250	271	303	298	360	414	377	398
8	395	510	413	287	250	273	296	297	361	420	378	388
9	397	509	417	268	243	264	290	304	363	422	350	389
10	397	498	404	267	243	258	289	304	376	426	349	384
11	404	519	383	268	246	257	288	302	350	431	349	383
12	405	525	383	268	254	257	288	302	344	436	348	385
13	405	496	318	268	273	258	281	305	358	440	349	381
14	405	496	317	264	273	263	281	306	358	417	349	380
15	436	523	316	267	294	264	281	305	357	416	348	385
16	435	522	322	263	293	272	277	305	357	416	348	392
17	452	520	316	257	300	274	277	305	357	419	345	392
18	451	519	306	256	300	275	278	307	356	408	346	391
19	451	527	280	247	305	275	282	307	385	400	346	394
20	450	527	280	247	304	274	282	307	384	379	346	387
21	454	524	278	247	302	274	282	307	400	387	349	388
22	476	521	278	231	304	275	282	308	422	384	361	386
23	476	533	272	240	305	275	277	309	428	374	363	374
24	483	531	267	244	304	286	277	309	420	370	365	377
25	477	529	248	245	306	286	272	314	399	370	366	365
26	478	511	250	247	302	286	272	318	387	371	363	354
27	473	513	240	245	301	285	275	313	387	378	369	355
28	474	482	239	245	312	287	275	322	386	372	405	327
29	477	483	245	248	---	289	277	336	397	371	407	325
30	477	463	265	249	---	292	280	333	404	370	407	385
31	483	---	266	254	---	296	---	334	---	377	407	---
MONTH	441	509	341	261	279	278	286	306	371	402	367	384
YEAR	MAX	533	MIN	231	MEAN	352						

MISSISSIPPI RIVER MAIN STEM

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	18.0	12.5	8.0	4.0	7.0	13.0	17.5	21.5	27.0	28.5	27.5
2	25.0	18.0	13.0	7.0	4.0	7.0	13.0	18.0	22.0	27.0	28.5	27.5
3	25.0	18.0	13.5	6.5	4.0	---	13.0	18.0	22.0	28.0	28.5	27.5
4	25.0	18.0	12.5	6.5	4.0	7.0	13.0	18.0	22.5	25.5	28.5	27.5
5	24.5	18.0	12.5	6.5	4.0	---	13.0	18.0	23.0	28.0	28.5	27.5
6	24.0	17.5	12.5	6.0	4.0	7.0	13.0	18.0	23.0	28.0	28.5	27.5
7	23.5	17.0	12.5	5.5	4.0	7.0	13.0	18.5	23.0	27.5	28.0	27.5
8	23.0	16.5	12.0	6.0	4.0	7.0	14.0	19.0	23.5	27.5	28.0	27.5
9	22.0	16.5	11.0	6.0	4.0	7.5	14.0	19.0	23.5	27.0	28.0	27.5
10	22.0	17.0	10.5	6.0	4.0	8.0	14.0	19.0	24.0	27.0	28.0	27.5
11	22.0	17.0	9.5	5.5	4.0	7.5	14.0	19.0	24.0	27.0	28.0	27.5
12	21.5	17.0	9.5	5.0	4.0	8.5	14.5	19.0	24.0	27.0	28.5	26.5
13	21.0	17.0	8.5	4.5	4.5	9.0	15.0	19.5	24.0	27.0	28.5	26.5
14	21.0	17.0	8.0	3.0	5.0	9.0	15.0	19.0	24.0	26.5	28.5	26.5
15	20.0	17.5	8.5	3.5	5.0	9.0	15.0	19.0	24.0	26.5	28.5	26.5
16	20.0	18.0	8.0	3.5	5.0	9.0	15.0	19.5	24.0	26.5	28.5	25.0
17	19.0	17.0	8.0	4.0	5.0	9.0	15.0	19.5	24.5	27.0	28.5	25.0
18	19.0	17.0	8.0	4.0	5.0	10.0	15.0	20.0	25.0	27.5	29.0	25.0
19	19.0	16.5	8.0	4.0	4.5	10.0	16.0	20.0	26.0	27.5	29.0	25.0
20	19.0	16.5	8.0	4.5	5.0	10.0	16.0	20.5	26.5	28.0	28.5	25.0
21	19.0	16.5	8.0	4.5	5.5	10.5	16.0	21.0	26.5	27.5	29.0	24.0
22	19.0	16.5	8.0	5.5	5.5	11.0	16.0	22.0	27.0	28.0	28.5	23.0
23	19.0	16.5	8.0	5.0	6.5	11.5	16.5	22.0	27.0	28.0	28.5	23.0
24	18.0	15.5	8.0	4.5	6.5	12.0	16.5	22.0	27.0	27.5	28.0	22.0
25	18.0	15.0	7.5	5.0	6.5	12.0	17.0	21.5	27.0	27.5	27.0	22.0
26	18.0	15.0	7.5	5.0	6.5	12.0	17.0	21.5	27.0	27.5	27.0	22.0
27	18.5	14.5	7.5	5.0	6.5	12.0	17.5	22.0	26.5	28.0	27.5	22.0
28	18.5	13.5	7.5	5.0	7.0	12.0	17.0	22.0	26.5	28.0	27.5	22.0
29	18.5	13.0	7.5	4.5	---	12.0	17.0	22.0	27.0	28.5	27.5	22.0
30	18.5	13.0	8.0	4.0	---	12.5	17.0	22.0	26.5	28.5	27.5	22.0
31	18.5	---	8.0	4.0	---	13.0	---	21.5	---	28.5	27.5	---
MONTH	21.0	16.5	9.5	5.0	5.0	9.5	15.0	20.0	24.5	27.5	28.0	25.5
YEAR	MAX	29.0	MIN	3.0	MEAN	17.5						

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	20	23	11	13	---	18	14	18	24	24	18
2	16	21	28	12	15	---	18	14	16	24	26	18
3	17	18	28	14	16	---	18	14	18	26	28	22
4	18	20	28	14	16	---	18	14	18	22	28	20
5	16	19	25	15	14	---	18	12	18	26	18	20
6	16	19	26	14	15	16	18	12	18	24	22	22
7	15	18	21	16	15	16	18	14	20	24	22	20
8	17	18	21	17	15	16	20	14	22	24	22	22
9	17	20	22	14	13	16	14	14	22	24	20	22
10	14	20	22	16	14	16	16	12	24	22	20	22
11	17	22	21	17	14	14	16	16	20	24	18	22
12	19	22	23	14	14	14	14	16	20	26	18	20
13	15	24	16	13	15	14	16	14	22	24	18	20
14	15	24	16	14	15	14	16	16	18	22	18	18
15	17	20	16	14	17	12	14	16	22	24	18	18
16	16	22	16	12	15	14	14	14	22	22	18	18
17	16	22	14	12	15	16	16	16	22	24	18	18
18	18	22	16	12	18	16	14	14	22	22	16	20
19	16	22	14	12	16	16	18	14	22	22	18	18
20	17	22	12	11	17	14	12	16	28	---	18	20
21	18	22	14	12	16	14	14	16	28	22	18	18
22	18	22	12	12	22	16	14	16	34	24	18	20
23	18	30	12	12	18	14	16	14	32	22	18	18
24	20	30	10	13	18	14	14	16	32	22	18	18
25	16	29	10	13	18	16	14	14	28	22	18	18
26	18	27	11	12	16	16	18	---	24	24	18	18
27	18	27	10	12	19	16	14	---	24	22	18	18
28	18	24	10	13	21	18	14	14	22	24	18	16
29	20	27	9.0	14	---	18	14	18	24	22	20	14
30	18	24	11	14	---	16	14	20	22	22	18	16
31	20	---	11	14	---	16	---	18	---	26	20	---
MONTH	17	23	17	13	16	15	16	15	23	23	20	19
YEAR	MAX	34	MIN	9.0	MEAN	18						

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT		
01-10	249	.34
11-20	290	.39
21-31	290	.39
NOV		
01-10	304	.41
11-20	311	.42
21-30	319	.43
DEC		
01-10	274	.37
11-20	207	.28
21-31	150	.20
JAN		
01-10	169	.23
11-20	161	.22
21-31	155	.21
FEB		
01-10	159	.22
11-20	163	.22
21-28	192	.26
MAR		
01-10	154	.21
11-20	157	.21
21-31	181	.25
APR		
01-10	190	.26
21-30	187	.25
MAY		
01-10	181	.25
11-20	183	.25
21-31	184	.25
JUN		
01-10	230	.31
11-20	243	.33
21-30	265	.36
JUL		
01-10	242	.33
11-20	251	.34
21-31	242	.33
AUG		
01-10	228	.31
11-20	209	.28
21-31	229	.31
SEP		
01-10	247	.34
11-20	244	.33
21-30	223	.30

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JUNE 1979

DATE TIME	OCT 23,78 1300	MAR 6,79 1200	JUN 11,79 1300			
TOTAL CELLS/ML	4500	1200	2000			
DIVERSITY: DIVISION	1.5	1.2	1.4			
..CLASS	1.5	1.2	1.4			
...ORDER	2.0	2.1	1.7			
...FAMILY	2.4	2.8	2.7			
....GENUS	0.0	3.5	3.1			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROMONADOPHYTA (CHLOROMONADS)						
..CHLOROMONADOPHYCEAE						
...CHLOROMONADALES						
....CHLOROMONADACEAE	* 0		--	-	--	-
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....OOCYSTACEAE						
....DICHOTOMOCOCCLUS	200	4	--	-	--	-
....COELASTRACEAE						
....COELASTRUM	--	-	--	-	540#	27
....MICRACTINIAEAE						
....GOLENKINIA	--	-	14	1	--	-
....OOCYSTACEAE						
....ANKISTRODESMUS	72	2	14	1	26	1
....DICTYOSPHAERIUM	--	-	--	-	220	11
....KIRCHNERIELLA	330	7	--	-	--	-
....OOCYSTIS	72	2	--	-	52	3
....TETRAEDRON	* 0		--	-	--	-
...SCENEDESMACEAE						
....ACTINASTRUM	57	1	--	-	--	-
....CRUCIGENIA	--	-	170	14	--	-
....SCENEDESMUS	1100#	26	83	7	390#	19
....TETRASTRUM	340	8	--	-	--	-
..TETRASPORALES						
...PALMELLACEAE						
...SPHAEROCYSTIS	--	-	69	6	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	* 0		--	-	52	3
..ZYGNEATALES						
...DESMIDIACEAE						
....STAUSTRUM	* 0		--	-	--	-
CHRYSTOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCAEAE						
....COSCINODISCUS	29	1	--	-	--	-
...CYCLOTELLA	170	4	190#	17	100	5
...MELOSIRA	270	6	230#	20	230	11
..PENNALES						
...DIATOMACEAE						
....DIATOMA	--	-	14	1	--	-
....FRAGILARIACEAE						
....ASTERIONELLA	--	-	55	5	100	5
....FRAGILARIA	--	-	55	5	--	-
....SYNEDRA	--	-	14	1	13	1
...GOMPHONEMATAEAE						
....GOMPHONEMA	--	-	28	2	--	-
...NAVICULACEAE						
....NAVICULA	--	-	41	4	--	-
...NITZSCHIAEAE						
....NITZSCHIA	86	2	28	2	26	1
...SURIRELLACEAE						
....SURIRELLA	--	-	55	5	--	-
..CHRYSTOPHYCEAE						
...CHRYSONOMADALES						
...CHROMULINACEAE						
....AMPHICHRYSIS	* 0		--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
....CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	--	-	26	1

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

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA (CE 01139)--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JUNE 1979

DATE TIME	OCT 23,78 1300	MAR 6,79 1200	JUN 11,79 1300			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
....CHROOCOCCACEAE						
....AGMENELLUM	400	9	--	-		
....ANACYSTIS	230	5	--	-	220	11
....COCCUHLORIS	--	-	--	-	26	1
..HORMOGONALES						
...OSCILLATORIACEAE						
....OSCILLATORIA	990#	22	--	-	--	-
...RIVULARIACEAE						
....RAPHIDIOPSIS	--	-	97	8	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
....EUGLENACEAE						
....TRACHELOMONAS	*	0	--	-	--	-

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

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

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

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

AVERAGE DISCHARGE.--7 years, 74.9 ft³/s (2.121 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,840 ft³/s (52.1 m³/s) Apr. 23, 1979, gage height, 18.85 ft (5.745 m); minimum, 0.18 ft³/s (0.005 m³/s) Oct. 24.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	.78	5.0	5.0	298	15	2.8	9.0	175	.30	1.8	4.5
2	4.7	.88	3.0	10	32	68	3.1	8.2	16	.30	1.4	32
3	3.3	.98	1.3	6.0	130	871	767	7.2	8.2	.30	1.3	380
4	2.5	1.3	240	3.7	599	500	1070	134	10	.30	1.1	71
5	1.7	1.1	150	3.0	561	50	291	331	8.2	.30	1.1	13
6	1.3	1.2	35	2.8	1180	20	28	33	3.9	.30	1.1	6.8
7	1.1	1.8	13	30	1020	15	15	14	3.2	.30	.98	10
8	.98	1.8	16	22	285	12	13	10	2.1	22	.98	3.0
9	.78	1.0	275	16	39	8.0	9.8	7.8	1.7	13	1.1	1.2
10	.60	.90	375	9.0	22	60	6.5	6.5	1.6	1.8	1.4	.78
11	.60	.90	33	4.7	17	100	5.8	6.4	.78	219	1.4	.52
12	.52	.80	23	3.2	14	25	8.9	94	.64	310	1.4	.24
13	.52	1.4	14	2.8	11	15	14	17	.56	202	1.4	.44
14	.52	1.7	9.3	3.0	9.8	8.0	7.2	9.0	.52	153	1.4	.52
15	.44	2.0	7.5	2.5	9.5	6.0	5.4	5.6	.48	28	1.4	.52
16	.37	2.1	7.0	2.8	8.2	5.0	4.3	4.3	.48	7.8	2.2	.30
17	.30	2.1	8.0	2.4	6.8	4.7	3.5	3.5	.48	3.0	12	.30
18	.24	2.1	7.8	1.8	75	4.5	3.2	3.0	.52	1.4	4.5	.78
19	.24	2.4	6.8	1.6	132	4.2	2.7	2.5	.52	138	2.4	.98
20	.24	2.4	6.3	770	28	4.0	2.5	2.0	.48	175	1.8	20
21	.24	2.3	13	719	16	3.9	644	2.1	.48	81	1.7	28
22	.24	2.3	12	105	16	8.0	1630	2.1	.48	178	1.7	5.1
23	.24	2.2	6.5	258	741	24	1820	2.8	.48	15	1.6	.98
24	.18	2.4	5.4	605	1600	10	990	2.1	.50	8.3	1.3	.88
25	.24	2.5	7.0	112	1160	9.0	46	1.8	.50	46	22	1.4
26	.30	8.0	6.5	32	99	7.0	22	1.4	.50	84	30	.80
27	.37	150	5.0	172	28	6.3	17	1.4	.48	108	2.0	.70
28	.44	105	4.1	70	23	5.2	14	1.7	.44	28	1.2	.62
29	.44	30	3.5	24	---	5.0	12	2.4	.37	10	1.1	.54
30	.52	9.0	3.7	153	---	3.7	9.8	143	.30	4.5	1.4	.50
31	.69	---	3.9	766	---	3.7	---	433	---	2.8	1.7	---
TOTAL	304.35	343.34	1306.6	3918.3	8160.3	1881.2	7468.5	1301.8	239.89	1841.70	107.86	586.40
MEAN	.98	11.4	42.1	126	291	60.7	249	42.0	8.00	59.4	3.48	19.5
MAX	5.5	150	375	770	1600	871	1820	433	175	310	30	380
MIN	.18	.78	1.3	1.6	6.8	3.7	2.5	1.4	.30	.30	.98	.24
CAL YR 1978	TOTAL	16701.25	MEAN	45.8	MAX	1300	MIN	.18				
WTR YR 1979	TOTAL	27186.24	MEAN	74.5	MAX	1820	MIN	.18				

LOWER MISSISSIPPI RIVER BASIN

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07373965 SOUTH CANAL NEAR BAKER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	2.91	---	3.19	7.30	3.52	3.03	3.37	4.66	2.70	2.93	2.97
2	3.15	2.91	---	3.40	4.02	4.12	3.04	3.34	3.70	2.70	2.90	3.76
3	3.08	2.92	---	3.24	5.16	12.20	11.13	3.30	3.45	2.70	2.89	8.25
4	3.03	2.95	---	3.15	10.08	---	13.66	5.07	3.52	2.70	2.87	4.56
5	2.97	2.93	---	3.11	9.75	---	7.06	7.72	3.45	2.70	2.87	3.42
6	2.95	2.93	---	3.10	14.39	---	3.91	4.06	3.26	2.70	2.87	3.20
7	2.93	2.98	---	3.92	13.30	---	3.55	3.59	3.22	2.70	2.86	3.34
8	2.92	---	---	3.84	7.07	---	3.47	3.45	3.15	3.34	2.86	3.02
9	2.90	---	---	3.64	4.18	---	3.37	3.35	3.11	3.23	2.87	2.89
10	2.88	---	---	3.42	3.76	---	3.24	3.30	3.10	2.79	2.90	2.85
11	2.88	---	3.95	3.24	3.61	---	3.21	3.30	3.03	5.73	2.90	2.82
12	2.88	---	3.72	3.16	3.50	---	3.33	5.04	2.92	7.54	2.90	2.78
13	2.88	---	3.44	3.14	3.40	---	3.51	3.68	---	6.07	2.90	2.81
14	2.88	2.95	3.28	3.15	3.36	---	3.27	3.40	---	5.83	2.90	2.82
15	2.87	2.97	3.21	3.12	3.35	---	3.19	3.26	---	3.88	2.90	2.82
16	2.86	2.98	3.20	3.14	3.30	---	3.14	3.20	---	3.27	2.94	2.79
17	2.85	2.97	3.24	3.11	3.24	---	3.10	3.16	---	3.05	3.34	2.79
18	2.85	2.97	3.23	3.05	4.62	---	3.08	3.13	---	2.94	3.02	2.85
19	2.85	2.99	3.20	3.02	5.57	---	3.05	3.10	---	5.58	2.90	2.87
20	2.85	---	3.18	10.82	3.92	---	3.04	3.06	---	5.94	2.86	3.44
21	2.85	---	3.42	11.05	3.67	---	9.59	3.07	---	4.51	2.85	3.84
22	2.85	---	3.43	5.14	3.57	---	17.51	3.07	---	5.92	2.85	3.12
23	2.85	---	3.21	6.50	10.88	---	18.70	3.12	---	3.52	2.84	2.87
24	2.85	---	3.17	10.10	17.33	---	12.62	3.07	---	3.28	2.82	2.86
25	2.86	---	3.24	5.21	14.17	---	4.33	3.05	---	4.26	3.37	---
26	2.86	---	3.22	4.03	5.09	---	3.80	3.02	---	4.91	3.56	---
27	2.87	---	3.16	6.12	3.90	---	3.66	3.02	---	5.22	2.87	---
28	2.88	---	3.13	4.71	3.77	3.15	3.56	3.04	---	3.86	2.81	---
29	2.88	---	3.10	3.84	---	3.14	3.47	3.09	2.71	3.34	2.80	---
30	2.88	---	3.11	5.27	---	3.08	3.40	5.10	2.70	3.09	2.83	---
31	2.90	---	3.13	11.45	---	3.08	---	8.64	---	3.00	2.85	---
MEAN	---	---	---	4.72	6.40	---	5.60	3.75	---	3.97	2.93	---
MAX	---	---	---	11.45	17.33	12.20	18.70	8.64	4.66	7.54	3.56	8.25
MIN	2.85	2.91	---	3.02	3.24	3.08	3.03	3.02	2.70	2.70	2.80	2.78

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)

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

DRAINAGE AREA.--Not determined.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 24...	0930	486	8.0	18.5	10	60	<1.0	8.4	43	1.1	11000
NOV 09...	1330	525	7.5	19.5	15	35	<1.0	9.8	64	1.7	6000
DEC 13...	0930	380	7.7	9.0	10	130	<1.0	9.1	35	1.5	4400
JAN 09...	1000	300	6.9	4.5	40	130	<1.0	13.7	20	5.0	5100
FEB 07...	1500	261	7.5	4.0	30	120	<1.0	13.2	37	3.4	2000
MAR 07...	1000	286	7.5	7.0	40	200	<1.0	10.8	37	3.2	6400
APR 03...	0830	295	6.4	13.0	40	70	<1.0	9.6	20	2.1	3300
MAY 08...	1100	294	7.5	--	10	55	<1.0	7.7	18	.7	--
JUN 12...	1000	369	7.5	24.0	5	65	<1.0	7.2	23	--	1000
JUL 19...	1130	404	7.7	27.5	10	100	<1.0	6.5	23	.0	6000
AUG 07...	0830	366	7.7	28.0	15	80	<1.0	6.6	22	--	5800
SEP 06...	1330	408	7.4	29.0	20	45	<1.0	6.8	19	1.3	2800

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
OCT 24...	1500	200	64	53	17	169	0	72
NOV 09...	4000	190	55	51	16	168	0	88
DEC 13...	--	120	28	31	11	112	0	58
JAN 09...	K730	110	33	30	8.5	94	0	40
FEB 07...	230	95	33	26	7.4	76	0	37
MAR 07...	1100	100	32	28	8.0	86	0	51
APR 03...	230	110	25	29	8.5	100	0	38
MAY 08...	K320	140	58	40	9.8	100	0	36
JUN 12...	240	140	53	36	11	100	0	52
JUL 19...	820	150	34	37	13	136	0	48
AUG 07...	1000	140	29	36	11	130	0	51
SEP 06...	K1800	150	34	40	12	140	0	61

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)
OCT 24...	17	52	1.3	.01	1.3	.59	.23	4	2
NOV 09...	33	86	1.1	.01	1.1	.64	.18	3	1
DEC 13...	24	344	1.1	.01	1.1	.76	.36	4	3
JAN 09...	19	300	1.0	.08	1.1	.48	.36	3	2
FEB 07...	15	134	.89	.08	.97	.45	.22	2	1
MAR 07...	14	434	1.0	.06	1.1	.69	.09	3	2
APR 03...	16	196	1.7	.04	1.7	.77	.19	2	1
MAY 08...	13	112	1.9	.02	1.9	.58	.15	3	2
JUN 12...	23	122	1.3	.02	1.3	.53	.31	3	2
JUL 19...	21	222	1.6	.08	1.7	.62	.08	4	3
AUG 07...	23	228	1.4	.02	1.4	.41	.23	2	0
SEP 06...	19	--	1.4	.02	1.4	.69	.22	3	1

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS RE)	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 24...	2	1	0	1	1	0	1	0
NOV 09...	2	0	0	0	3	2	1	0
DEC 13...	1	0	0	0	2	1	1	20
JAN 09...	1	0	0	0	3	2	1	0
FEB 07...	1	0	0	0	0	0	0	0
MAR 07...	1	0	0	0	8	8	0	10
APR 03...	1	1	0	1	1	0	1	0
MAY 08...	1	0	0	0	1	0	1	10
JUN 12...	1	0	0	0	4	0	4	10
JUL 19...	1	1	0	1	1	0	1	10
AUG 07...	2	0	0	0	3	0	3	0
SEP 06...	2	10	10	0	1	0	1	10

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 24...	0	12	8	4	0	7	6	1
NOV 09...	0	20	10	10	10	9	9	0
DEC 13...	0	59	52	7	50	36	33	3
JAN 09...	0	44	36	8	60	15	13	2
FEB 07...	0	15	4	11	20	7	5	2
MAR 07...	0	42	38	4	40	28	28	0
APR 03...	0	10	1	9	20	15	15	0
MAY 08...	0	24	20	4	20	12	12	0
JUN 12...	0	29	23	6	300	17	14	3
JUL 19...	0	20	17	3	30	24	24	0
AUG 07...	0	15	6	9	40	10	8	2
SEP 06...	--	9	6	3	0	6	6	0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)
OCT 24...	.1	.1	.0	7	4	3	1	1	0
NOV 09...	.0	.0	.0	12	9	3	2	0	2
DEC 13...	.1	.0	.1	16	15	1	1	1	0
JAN 09...	.0	.0	.0	13	10	3	0	0	0
FEB 07...	.0	.0	.0	8	7	1	0	0	0
MAR 07...	.3	.3	.0	15	8	7	0	0	0
APR 03...	.4	.3	.1	4	0	4	1	1	0
MAY 08...	.2	.2	.0	10	10	0	1	0	1
JUN 12...	.1	.1	.0	13	9	4	1	1	0
JUL 19...	.1	.1	.0	11	9	2	1	0	1
AUG 07...	.1	.1	.0	11	4	7	1	1	0
SEP 06...	.1	.1	.0	6	4	2	1	1	0

DATE	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 24...	.3	30	30	4	6.1	.00	0	0
NOV 09...	.0	20	10	10	5.8	.00	2	0
DEC 13...	.0	50	30	20	8.1	.00	1	0
JAN 09...	.0	70	50	20	8.5	.00	6	6
FEB 07...	.0	40	30	10	5.2	.00	1	3
MAR 07...	.0	70	50	20	9.7	.00	3	0
APR 03...	.3	40	20	20	6.0	.00	4	0
MAY 08...	.1	40	10	30	6.0	.00	4	0
JUN 12...	.4	70	50	20	8.9	.00	7	0
JUL 19...	1.0	60	50	6	5.5	.00	3	1
AUG 07...	1.0	50	0	50	7.0	.00	4	55
SEP 06...	1.0	20	10	7	--	.00	4	0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)

LOCATION.--Lat 30°05'52", long 90°54'45", T.11 S., R.15 E., St. James Parish, Hydrologic Unit 08070100, near center of span on downstream side of Sunshine Bridge on State Highway 3089, 0.7 mi (1.1 km) northwest of Union, and at mile 167.5 (269.5 km).

DRAINAGE AREA.--Not determined.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN DEMAND, OXYGEN-DISSOLVED (MG/L)	CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 24...	1130	490	7.8	19.0	10	55	<1.0	8.0	52	.7	3100
NOV 08...	1430	531	7.5	19.5	10	30	<1.0	8.3	20	2.5	--
DEC 13...	1130	394	7.6	9.0	10	130	<1.0	11.4	47	2.4	K32000
JAN 09...	1200	303	7.1	4.5	50	130	<1.0	12.9	19	4.5	K2500
FEB 07...	1300	269	7.4	3.5	40	130	<1.0	13.7	32	2.9	K1400
MAR 07...	1300	317	7.7	7.0	60	160	<1.0	11.8	39	3.8	K1000
APR 03...	0945	302	7.1	14.0	45	70	<1.0	9.8	20	1.9	370
MAY 08...	1300	298	7.4	--	10	65	<1.0	7.8	15	1.3	K1800
JUN 12...	1200	370	7.5	23.5	10	60	<1.0	7.5	17	--	2000
JUL 19...	0930	413	7.6	29.0	5	70	<1.0	6.8	21	1.1	1900
AUG 07...	1030	380	7.7	29.5	5	80	<1.0	6.4	21	--	1200
SEP 06...	1130	426	7.5	29.0	15	40	<1.0	6.5	27	.5	300

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS, (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 24...	420	190	58	51	16	165	0	72
NOV 08...	1200	190	50	51	14	165	0	85
DEC 13...	--	150	57	41	11	111	0	58
JAN 09...	K790	110	34	30	8.5	92	0	40
FEB 07...	K140	96	30	26	7.5	80	0	37
MAR 07...	1400	110	36	29	8.5	87	0	42
APR 03...	300	110	29	30	8.6	99	0	40
MAY 08...	K850	150	73	46	9.7	100	0	36
JUN 12...	340	140	56	37	11	100	0	52
JUL 19...	K340	150	40	38	13	132	0	49
AUG 07...	440	140	44	36	13	120	0	52
SEP 06...	--	160	44	42	13	140	0	62

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

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHLORIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)
OCT 24...	23	115	1.3	.01	1.3	.58	.20	3	1
NOV 08...	37	34	1.1	.01	1.1	.62	.16	3	1
DEC 13...	25	304	1.2	.01	1.2	.62	.34	4	3
JAN 09...	18	238	1.0	.06	1.1	.54	.42	3	2
FEB 07...	14	158	.93	.06	.99	--	.23	2	1
MAR 07...	20	214	1.1	.04	1.1	.89	.10	3	2
APR 03...	18	53	1.7	.04	1.7	.63	.20	2	1
MAY 08...	14	129	2.0	.02	2.0	.41	.13	3	2
JUN 12...	21	124	1.3	.02	1.3	.42	.19	3	2
JUL 19...	24	188	1.8	.02	1.8	.64	.24	3	2
AUG 07...	25	230	1.4	.02	1.4	--	--	3	1
SEP 06...	24	--	2.8	.30	3.1	1.0	.22	3	1

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS HE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 24...	2	0	0	0	2	2	0	0
NOV 08...	2	0	0	0	3	2	1	0
DEC 13...	1	0	0	0	1	0	1	20
JAN 09...	1	0	0	0	2	1	1	0
FEB 07...	1	0	0	0	2	2	0	0
MAR 07...	1	10	0	10	5	4	1	10
APR 03...	1	1	0	1	1	0	1	0
MAY 08...	1	0	0	0	1	0	1	10
JUN 12...	1	0	0	0	2	0	2	10
JUL 19...	1	1	0	1	1	0	1	10
AUG 07...	2	0	0	0	3	0	3	10
SEP 06...	2	10	10	0	4	0	4	10

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHROMIUM, HEXAVALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
OCT 24...	0	13	6	7	10	6	4	2
NOV 08...	0	18	9	9	10	6	6	0
DEC 13...	0	29	23	6	50	27	21	6
JAN 09...	0	17	9	8	50	14	12	2
FEB 07...	0	29	18	11	20	13	12	1
MAR 07...	0	28	24	4	30	52	51	1
APR 03...	0	9	3	6	40	15	15	0
MAY 08...	0	10	7	3	20	10	10	0
JUN 12...	0	11	6	5	0	11	10	1
JUL 19...	0	18	13	5	10	18	18	0
AUG 07...	0	13	7	6	10	11	11	0
SEP 06...	--	17	0	17	10	8	8	0

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
OCT 24...	.1	.1	.0	7	3	4	2	0	2
NOV 08...	.0	.0	.0	9	6	3	1	0	1
DEC 13...	.0	.0	.0	16	14	2	1	1	0
JAN 09...	.0	.0	.0	12	9	3	0	0	0
FEB 07...	.0	.0	.0	10	9	1	0	0	0
MAR 07...	.2	.2	.0	16	16	0	0	0	0
APR 03...	.2	.2	.0	9	9	0	1	1	0
MAY 08...	.2	.2	.0	10	10	0	1	0	1
JUN 12...	.0	.0	.0	13	9	4	1	1	0
JUL 19...	.1	.0	.1	11	8	3	1	1	0
AUG 07...	.1	.1	.0	11	4	7	1	1	0
SEP 06...	.1	.1	.0	7	3	4	1	0	1

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECUV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECUV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 24...	.8	20	10	10	6.2	.00	0	0
NOV 08...	.0	20	10	10	5.0	.00	1	0
DEC 13...	.1	50	30	20	10	.00	2	0
JAN 09...	.0	60	40	20	6.6	.00	2	4
FEB 07...	.0	40	30	10	2.6	.00	0	7
MAR 07...	.0	60	50	10	10	.00	2	0
APR 03...	.5	40	20	20	6.3	.00	1	2
MAY 08...	.1	30	10	20	6.4	.00	3	0
JUN 12...	.0	30	20	10	7.9	.00	2	0
JUL 19...	1.0	120	120	5	5.6	.00	3	0
AUG 07...	1.0	50	0	50	--	.00	5	3
SEP 06...	1.0	40	30	10	--	.00	12	0

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, October 1977 to current year.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

WATER TEMPERATURES: Maximum daily, 32.0°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, 20 mg/L Feb. 8, Apr. 26.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 572 micromhos Nov. 26; minimum daily, 250 micromhos Jan. 23.

WATER TEMPERATURES: Maximum daily, 29.5°C Aug. 8-10, 13, 14, 17-19, Sep. 1, 5; minimum daily, 4.0°C Jan. 29, Feb. 1, 4, 5, 9, 10, 18.

CHLORIDE: Maximum daily, 40 mg/L Nov. 28; minimum daily, 12 mg/L Jan. 12, 14, Apr. 25.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOLOGICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 24...	1545	496	7.7	20.0	5	30	<1.0	8.4	64	2.7	--
NOV 08...	1100	535	7.7	19.5	5	15	<1.0	8.1	15	1.5	--
DEC 13...	1400	399	7.7	10.0	5	130	<1.0	8.1	50	2.0	7600
JAN 09...	1400	307	7.0	5.0	15	110	<1.0	13.4	20	4.6	5400
FEB 06...	1300	271	7.6	3.5	30	130	<1.0	12.8	41	3.3	K500
MAR 07...	1530	307	7.1	7.0	40	230	<1.0	11.8	40	3.2	4100
APR 03...	1200	296	7.2	13.5	30	75	<1.0	9.8	22	1.7	270
MAY 09...	1100	297	7.4	18.5	15	75	<1.0	8.0	18	1.6	K1500
JUN 13...	1100	370	7.7	23.5	10	60	<1.0	7.8	25	2.6	K500
JUL 17...	1000	435	7.5	27.0	15	65	<1.0	6.0	22	.9	K1700
AUG 07...	1400	400	7.6	29.5	10	70	<1.0	6.4	21	--	1600
SEP 05...	1600	436	7.3	29.5	10	30	<1.0	6.9	41	1.0	120

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

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

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 24...	--	200	75	54	17	158	0	71
NOV 08...	K360	200	64	53	16	164	0	86
DEC 13...	--	140	46	38	11	115	0	61
JAN 09...	1100	110	37	32	8.4	94	0	39
FEB 06...	K100	100	30	27	7.8	85	0	37
MAR 07...	2800	120	47	35	8.4	92	0	43
APR 03...	K110	110	36	30	8.6	91	0	40
MAY 09...	K80	120	33	34	9.3	110	0	36
JUN 13...	K180	140	49	37	11	108	0	53
JUL 17...	350	160	44	40	14	139	0	54
AUG 07...	740	140	34	38	11	130	0	56
SEP 05...	--	160	38	43	13	150	0	62

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)
OCT 24...	23	31	1.3	.01	1.3	.65	.26	3	1
NOV 08...	30	22	1.2	.01	1.2	.72	.16	2	0
DEC 13...	23	363	1.2	.01	1.2	.80	.38	4	3
JAN 09...	18	256	1.0	.06	1.1	4.2	.38	3	2
FEB 06...	15	170	.92	.08	1.0	.42	.35	2	1
MAR 07...	15	510	1.0	.06	1.1	1.0	.13	5	4
APR 03...	16	95	1.6	.08	1.7	.85	.16	2	1
MAY 09...	14	175	2.0	.02	2.0	.41	.19	3	2
JUN 13...	22	126	1.3	.02	1.3	.56	.22	3	2
JUL 17...	26	170	1.7	.02	1.7	.96	.41	3	2
AUG 07...	30	174	1.3	.02	1.3	.06	.27	3	1
SEP 05...	22	--	1.3	.02	1.3	.97	.21	3	1

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	HEXYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS HE)	HEXYL- LIUM, SUS- PENDED RECOV. (UG/L AS HE)	HEXYL- LIUM, DIS- SOLVED (UG/L AS HE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 24...	2	0	0	0	3	2	1	0
NOV 08...	2	0	0	0	9	8	1	0
DEC 13...	1	0	0	0	1	0	1	30
JAN 09...	1	0	0	0	1	1	0	0
FEB 06...	1	0	0	0	2	2	0	0
MAR 07...	1	0	--	--	5	3	2	10
APR 03...	1	1	0	1	1	0	1	10
MAY 09...	1	0	0	0	1	0	1	10
JUN 13...	1	0	0	0	2	0	2	10
JUL 17...	1	1	0	1	1	0	1	0
AUG 07...	2	0	0	0	2	0	2	10
SEP 05...	2	10	10	0	5	1	4	20

DATE	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 24...	0	24	17	7	10	6	5	1
NOV 08...	0	33	18	15	20	9	9	0
DEC 13...	0	13	9	4	40	13	10	3
JAN 09...	0	12	5	7	60	12	11	1
FEB 06...	0	25	15	10	20	12	11	1
MAR 07...	0	31	10	21	10	26	22	4
APR 03...	0	46	39	7	90	14	14	0
MAY 09...	0	12	9	3	10	11	11	0
JUN 13...	0	18	14	4	10	110	110	1
JUL 17...	0	11	7	4	60	8	8	0
AUG 07...	0	12	7	5	10	8	6	2
SEP 05...	--	19	3	16	10	21	21	0

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)
OCT 24...	.1	.1	.0	6	3	3	1	0	1
NOV 08...	.0	.0	.0	7	4	3	1	0	1
DEC 13...	.0	.0	.0	15	13	2	1	1	0
JAN 09...	.0	.0	.0	9	8	1	1	0	1
FEB 06...	.0	.0	.0	10	7	3	0	0	0
MAR 07...	.1	.1	.0	19	19	0	1	0	1
APR 03...	--	--	.0	10	7	3	1	1	0
MAY 09...	.2	.2	.0	11	11	0	1	1	0
JUN 13...	.0	.0	.0	11	7	4	1	1	0
JUL 17...	.1	.0	.1	6	5	1	1	1	0
AUG 07...	.1	.1	.0	10	3	7	1	0	1
SEP 05...	.1	.1	.0	8	3	5	1	0	1

DATE	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECov- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECov- GRAVI- METRIC (MG/L)
OCT 24...	1.5	20	10	10	5.2	.00	4	0
NOV 08...	.0	10	0	10	6.0	.00	2	0
DEC 13...	2.5	40	20	20	11	.00	1	0
JAN 09...	.0	40	20	20	6.7	.00	0	6
FEB 06...	.0	40	30	10	5.2	.00	3	7
MAR 07...	.0	70	--	--	9.6	.00	0	0
APR 03...	.5	70	50	20	7.6	.00	2	3
MAY 09...	.4	40	30	10	6.6	.00	3	0
JUN 13...	.0	60	50	10	12	.00	3	0
JUL 17...	1.0	50	50	3	5.6	.01	2	0
AUG 07...	1.0	20	0	20	6.1	.00	5	6
SEP 05...	1.0	50	30	20	--	.00	3	0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA (CE 01290)--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	462	531	---	276	263	344	313	315	362	406	418	405
2	480	532	---	289	276	336	315	324	362	416	418	412
3	477	541	---	289	271	344	314	321	346	419	418	431
4	466	540	---	308	262	329	321	323	347	434	418	431
5	468	540	---	309	265	302	313	325	358	427	425	429
6	464	535	---	307	263	301	312	322	358	437	422	431
7	438	528	---	309	257	286	321	320	352	434	381	431
8	437	525	---	312	261	285	295	319	351	433	393	424
9	433	533	494	310	266	270	311	324	372	436	391	425
10	430	532	457	298	268	271	301	326	371	426	396	418
11	428	536	438	305	262	262	309	325	372	426	393	376
12	431	540	436	309	273	263	299	325	369	---	380	411
13	446	546	416	306	271	269	291	325	366	435	377	418
14	443	545	401	283	275	265	295	325	---	435	382	419
15	446	555	384	286	302	269	300	327	369	438	382	413
16	439	539	335	283	294	273	300	322	369	438	380	407
17	437	545	331	284	314	275	289	325	364	430	379	401
18	443	555	339	282	315	273	294	326	373	429	378	409
19	466	553	323	278	316	293	289	331	374	414	369	413
20	480	551	320	279	337	274	289	334	368	414	369	414
21	496	552	307	251	330	272	287	334	369	411	371	411
22	482	566	300	252	337	298	280	335	396	412	376	411
23	491	571	298	250	301	279	280	334	432	404	377	411
24	494	571	305	271	301	278	280	344	432	405	381	409
25	497	571	279	272	306	284	280	340	423	412	396	371
26	500	572	281	269		281	281	342	429	396	397	371
27	511	551	274	270		277	282	343	400	396	394	380
28	522	554	261	264	296	288	296	356	393	399	394	380
29	531	564	260	267	---	307	266	354	395	396	398	360
30	527	552	260	263	---	294	---	352	396	398	396	360
31	524	---	269	263	---	296	---	350	---	416	404	---
MONTH	471	548	---	284	292	288	297	331	378	419	392	406
YEAR	MAX	572	MIN	250	MEAN	371						

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.5	18.0	15.5	8.0	4.0	8.5	15.0	15.0	24.0	27.0	27.5	29.5
2	25.5	18.5	16.5	7.0	5.5	9.0	15.0	16.5	22.0	27.5	27.5	29.0
3	25.0	21.0	17.0	7.5	5.0	8.0	13.0	15.5	24.0	28.0	27.0	28.0
4	28.5	21.5	15.0	9.0	4.0	8.5	13.0	15.5	23.5	26.5	28.0	28.5
5	29.0	18.5	14.5	7.0	4.0	7.0	---	16.5	24.5	28.0	28.5	29.5
6	29.5	18.0	14.5	8.5	4.5	7.5	15.0	15.5	24.0	27.5	29.0	28.0
7	27.0	18.5	11.0	7.0	4.5	7.0	16.0	15.5	24.5	27.0	29.0	28.5
8	26.5	18.0	12.5	7.5	4.5	7.0	15.0	15.0	25.0	28.0	29.5	27.5
9	26.0	19.0	10.0	6.0	4.0	8.0	15.0	17.0	24.0	28.0	29.5	27.0
10	27.5	18.5	12.0	7.0	4.0	7.5	16.5	20.0	24.5	28.5	29.5	27.0
11	27.0	19.0	10.5	5.0	4.5	8.0	17.0	20.0	24.5	28.0	29.0	27.0
12	28.0	19.0	12.0	5.5	4.5	9.0	16.0	20.0	24.0	---	29.0	26.5
13	25.5	18.5	10.5	7.0	4.5	8.5	16.0	19.5	24.0	27.5	29.5	27.0
14	20.0	19.0	9.5	6.5	6.5	9.5	17.0	19.5	---	28.0	29.5	26.5
15		18.5	9.5	6.0	5.5	9.0	16.0	19.5	24.5	28.5	29.0	26.0
16	20.0	19.0	9.5	5.0	6.0	11.5	15.5	20.0	25.0	28.0	29.0	26.5
17	20.0	18.5	9.0	4.5	4.5	11.5	15.5	20.0	26.0	27.0	29.5	26.0
18	20.5	18.5	10.0	5.5	4.0	11.0	15.5	21.0	25.5	27.5	29.5	27.5
19	21.5	18.5	11.5	6.0	5.0	11.0	16.0	21.0	25.5	28.5	29.5	26.0
20	22.0	18.0	10.5	5.5	5.0	12.5	15.5	21.5	26.0	28.0	29.0	25.0
21	21.5	18.0	9.5	5.0	5.0	13.0	17.5	22.0	26.0	28.0	29.0	25.5
22	21.5	18.0	9.0	8.5	5.5	10.5	15.5	21.5	26.0	28.5	28.0	24.5
23	22.0	17.5	9.0	8.0	8.5	9.5	15.0	22.0	26.5	27.0	28.5	24.0
24	22.5	18.5	9.0	6.0	9.0	9.5	16.0	22.5	27.0	27.5	29.0	24.0
25	22.0	18.0	9.5	7.0	9.0	10.0	17.0	21.0	26.0	27.5	28.0	25.0
26	21.5	19.0	9.0	7.5	8.5	9.0	16.0	23.0	26.5	28.0	29.0	25.5
27	20.0	17.5	8.0	7.0	8.5	10.5	16.5	23.5	26.5	27.5	28.5	24.0
28	19.5	17.5	8.0	5.0	8.0	10.0	19.0	23.0	27.0	28.0	28.5	24.5
29	20.0	16.5	8.5	4.0	---	10.5	17.0	22.0	27.0	27.5	29.0	24.5
30	22.5	15.5	9.0	5.0	---	15.0	---	22.0	27.0	29.0	28.5	25.0
31	20.0	---	9.5	4.5	---	15.0	---	22.0	---	27.5	28.0	---
MONTH	23.5	18.5	11.0	6.5	5.5	9.5	16.0	19.5	25.0	28.0	29.0	26.5
YEAR	MAX	29.5	MIN	4.0	MEAN	18.0						

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA (CE 01290)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	33	33	20	14	22	18	16	20	28	32	26
2	27	31	32	18	20	22	18	16	20	28	32	24
3	25	35	32	18	22	22	18	16	22	28	34	24
4	24	37	32	16	18	18	18	18	20	30	32	22
5	24	32	32	18	18	20	18	16	20	28	32	22
6	26	32	36	16	22	18	20	16	16	30	34	24
7	28	28	34	16	22	20	20	18	22	30	26	24
8	25	32	33	16	20	14	18	16	20	28	24	26
9	25	30	32	14	18	16	18	16	18	28	26	26
10	24	32	27	14	16	18	18	16	20	30	24	24
11	26	30	27	14	18	16	18	16	22	32	28	24
12	25	28	27	12	20	20	16	16	24	---	24	26
13	29	31	25	18	16	16	16	16	28	30	24	24
14	28	30	25	12	18	16	18	18	---	30	24	24
15	28	33	18	16	16	16	16	16	22	26	26	24
16	29	34	26	16	16	18	18	14	24	34	24	24
17	27	34	21	14	20	16	16	16	24	32	24	24
18	27	36	18	16	16	16	18	18	28	30	24	24
19	28	35	18	14	16	14	16	14	24	30	22	24
20	25	37	20	16	20	18	16	16	26	30	24	28
21	28	34	20	14	20	14	14	16	28	30	26	26
22	24	32	18	16	20	16	16	18	28	32	22	26
23	25	34	16	18	20	14	16	20	38	30	22	26
24	25	33	16	16	18	18	16	18	30	28	22	22
25	28	31	17	18	18	16	12	18	38	32	24	22
26	28	33	15	14	16	16	16	18	36	26	24	20
27	29	32	16	14	16	18	16	18	28	26	26	20
28	27	40	14	16	20	18	16	18	30	28	22	20
29	28	39	14	16	---	18	16	20	28	28	26	22
30	29	34	14	14	---	16	---	20	30	30	24	22
31	25	---	14	16	---	18	---	18	---	34	24	---
MONTH	26	33	23	16	18	17	17	17	25	30	26	24
YEAR	MAX	40	MIN	12	MEAN	23						

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA (CE 01290)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT		
01-10	265	.36
11-20	265	.36
21-31	293	.40
NOV		
01-10	326	.44
11-20	331	.45
21-30	339	.46
DEC		
01-10	292	.40
11-20	216	.29
21-31	152	.21
JAN		
11-20	204	.28
21-31	163	.22
FEB		
01-10	193	.26
11-20	224	.30
21-28	210	.29
MAR		
01-10	200	.27
11-20	180	.24
21-31	196	.27
APR		
01-10	188	.26
11-20	167	.23
21-29	164	.22
MAY		
01-10	181	.25
11-20	185	.25
21-31	203	.28
JUN		
01-10	202	.27
11-20	237	.32
21-30	288	.39
JUL		
01-10	288	.39
11-20	294	.40
21-31	246	.33
AUG		
01-10	260	.35
11-20	235	.32
21-31	230	.31
SEP		
01-10	262	.36
11-20	253	.34
21-30	268	.36

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'55", long 90°14'55", on line between SE $\frac{1}{4}$ NE $\frac{1}{4}$ and SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.5 S., R.9 E., St. Helena meridian, Tangipahoa Parish, 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) National Geodetic Vertical Datum of 1929. Prior to June 9, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 162 ft³/s (4.588 m³/s), 23.04 in/yr (585 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft³/s (827 m³/s) May 3, 1953, gage height, 22.26 ft (6.785 m), from rating curve extended above 13,000 ft³/s (370 m³/s) by contracted-opening measurement at gage height 22.10 ft (6.736 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 14, 15, 1968; minimum gage height, 4.80 ft (1.463 m) Oct. 5, 6, 1970.

EXTREMES FOR CURRENT YEAR.--Peak 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)	
Feb. 7	1330	1770	48.1	15.66	4.773	Apr. 4	0945	5120	146	18.82	5.736
Feb. 25	0545	3280	92.9	17.61	5.368	Apr. 23	1215	*5210	148	*18.87	5.752

Minimum discharge, 42 ft³/s (1.19 m³/s) July 5, 6, 7, 8; minimum gage height, 5.22 ft (1.591 m) Nov. 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	45	181	68	486	218	86	118	205	46	68	53
2	59	45	89	79	343	182	88	105	161	45	63	56
3	56	45	74	78	205	205	1360	97	152	44	62	59
4	57	44	75	69	251	649	4260	104	97	44	64	74
5	55	44	133	64	361	895	1550	123	82	43	58	56
6	52	45	155	64	775	485	701	130	81	42	57	67
7	51	48	97	110	1620	252	335	102	81	42	57	70
8	49	51	80	206	1250	190	217	90	72	43	55	80
9	49	49	79	156	675	158	172	85	67	45	53	58
10	48	48	85	104	345	144	149	81	63	49	52	52
11	48	47	78	88	234	261	130	77	61	75	53	49
12	48	48	69	82	189	301	119	123	59	196	54	48
13	48	48	65	80	162	206	118	558	57	331	52	48
14	47	48	62	77	147	154	123	666	56	259	55	49
15	46	48	60	72	135	132	112	256	55	382	64	48
16	46	48	60	67	123	116	95	132	55	200	52	46
17	46	49	61	65	111	110	86	100	56	115	50	46
18	46	54	80	64	115	106	82	85	55	88	49	47
19	46	57	69	63	196	101	79	78	53	92	50	48
20	46	51	63	134	203	96	78	73	52	94	49	94
21	46	50	62	422	276	92	98	70	51	105	51	331
22	45	49	64	596	345	97	661	94	51	197	50	530
23	45	48	67	362	334	319	4070	289	50	132	51	200
24	45	48	62	657	1360	508	1610	283	50	97	53	95
25	46	48	62	1090	2430	271	937	133	50	104	54	78
26	45	49	61	565	940	151	708	90	50	171	74	71
27	46	76	59	306	466	121	330	77	49	163	65	67
28	45	182	57	331	280	106	207	72	48	150	66	64
29	45	150	56	251	---	97	156	70	47	130	65	62
30	45	146	57	181	---	92	131	103	46	93	58	60
31	45	---	59	303	---	88	---	202	---	76	54	---
TOTAL	1508	1808	2381	6854	14357	6903	18848	4666	2112	3693	1758	2706
MEAN	48.6	60.3	76.8	221	513	223	628	151	70.4	119	56.7	90.2
MAX	67	182	181	1090	2430	895	4260	666	205	382	74	530
MIN	45	44	56	63	111	88	78	70	46	42	49	46
CFSM	.51	.63	.80	2.31	5.37	2.34	6.58	1.58	.74	1.25	.59	.94
IN.	.59	.70	.93	2.67	5.59	2.69	7.34	1.82	.82	1.44	.68	1.05
CAL YR 1978	TOTAL	43889	MEAN 120	MAX 1490	MIN 44	CFSM 1.26	IN 17.10					
WTR YR 1979	TOTAL	67594	MEAN 185	MAX 4260	MIN 42	CFSM 1.94	IN 26.33					

MISSISSIPPI RIVER DELTA

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07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.67	5.24	7.24	5.68	10.25	7.68	5.98	6.52	7.58	5.42	5.77	5.51
2	5.53	5.24	6.03	5.87	8.96	7.28	6.02	6.35	7.11	5.41	5.69	5.56
3	5.46	5.24	5.79	5.86	7.54	7.53	13.01	6.22	7.00	5.39	5.68	5.61
4	5.47	5.23	5.79	5.70	8.05	11.15	18.27	6.27	6.31	5.37	5.71	5.86
5	5.43	5.23	6.66	5.62	9.16	12.63	14.87	6.58	6.07	5.36	5.60	5.57
6	5.39	5.25	6.95	5.61	11.86	10.15	11.56	6.68	6.07	5.35	5.57	5.76
7	5.35	5.30	6.16	6.33	15.42	8.05	8.90	6.29	6.07	5.34	5.57	5.80
8	5.33	5.36	5.89	7.55	14.15	7.37	7.68	6.12	5.92	5.36	5.54	5.96
9	5.32	5.32	5.86	6.96	11.42	7.00	7.17	6.04	5.82	5.40	5.51	5.60
10	5.31	5.29	5.97	6.27	9.00	6.82	6.89	5.96	5.76	5.49	5.49	5.47
11	5.30	5.29	5.85	6.02	7.87	8.15	6.64	5.91	5.72	5.93	5.49	5.43
12	5.31	5.29	5.69	5.91	7.36	8.57	6.48	6.52	5.67	7.47	5.52	5.40
13	5.30	5.29	5.63	5.89	7.05	7.55	6.47	10.46	5.64	8.87	5.48	5.41
14	5.28	5.29	5.57	5.83	6.86	6.95	6.54	11.35	5.62	8.13	5.54	5.41
15	5.26	5.29	5.55	5.74	6.71	6.66	6.38	8.10	5.60	9.37	5.69	5.39
16	5.25	5.30	5.54	5.66	6.54	6.44	6.13	6.76	5.59	7.48	5.47	5.37
17	5.25	5.31	5.55	5.63	6.37	6.35	5.99	6.36	5.63	6.49	5.44	5.37
18	5.25	5.43	5.88	5.61	6.42	6.30	5.92	6.14	5.60	6.09	5.43	5.38
19	5.26	5.48	5.70	5.60	7.43	6.22	5.87	6.01	5.56	6.14	5.43	5.40
20	5.26	5.36	5.59	6.60	7.53	6.14	5.84	5.93	5.54	6.18	5.43	6.10
21	5.26	5.34	5.58	9.63	8.30	6.08	6.14	5.87	5.52	6.34	5.46	8.85
22	5.24	5.32	5.61	10.99	9.01	6.15	10.42	6.20	5.51	7.48	5.43	10.56
23	5.24	5.31	5.66	9.16	8.90	8.72	18.13	8.44	5.51	6.70	5.47	7.43
24	5.25	5.31	5.59	11.21	14.09	10.41	15.05	8.38	5.50	6.22	5.50	6.13
25	5.25	5.30	5.58	13.58	16.56	8.24	12.84	6.77	5.51	6.32	5.53	5.84
26	5.25	5.33	5.56	10.69	12.82	6.91	11.60	6.20	5.50	7.18	5.87	5.73
27	5.25	5.80	5.51	8.62	10.03	6.51	8.85	6.00	5.47	7.10	5.72	5.67
28	5.25	7.28	5.49	8.87	8.35	6.30	7.58	5.91	5.45	6.94	5.73	5.62
29	5.24	6.87	5.46	8.04	---	6.17	7.01	5.87	5.44	6.69	5.73	5.58
30	5.23	6.82	5.48	7.27	---	6.08	6.70	6.38	5.43	6.16	5.59	5.53
31	5.24	---	5.53	8.58	---	6.01	---	7.54	---	5.90	5.52	---
MEAN	5.31	5.49	5.80	7.31	9.43	7.50	8.90	6.78	5.82	6.42	5.57	5.94
MAX	5.67	7.28	7.24	13.58	16.56	12.63	18.27	11.35	7.58	9.37	5.87	10.56
MIN	5.23	5.23	5.46	5.60	6.37	6.01	5.84	5.87	5.43	5.34	5.43	5.37

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--145 mi² (376 km²).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to current year.

WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 66 micromhos Feb. 24, 1979; minimum daily, 23 micromhos May 3, 1978.

WATER TEMPERATURES: Maximum daily, 28.0°C May 10, June 24, Aug. 31, 1978; minimum daily, 5.0°C Jan. 24, Feb. 2, 9, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 66 micromhos Feb. 24; minimum daily, 24 micromhos Apr. 5.

WATER TEMPERATURES: Maximum daily, 26.0°C July 28, 29; minimum daily, 5.0°C Jan. 24, Feb. 2, 9.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBAL1 UNITS)	TUR- BID- ITY (JTU)
OCT							
30...	1130	--	32	6.4	18.5	5	2
NOV							
20...	1400	--	35	6.8	18.0	15	4
DEC							
06...	1300	--	42	6.7	14.0	40	10
JAN							
25...	1300	1280	40	5.3	9.0	80	40
FEB							
22...	1330	656	44	6.3	16.0	70	25
MAR							
14...	1215	221	45	5.8	15.5	50	15
APR							
13...	1200	140	39	6.2	21.5	40	10
MAY							
02...	1200	123	38	5.8	--	--	--
JUN							
13...	1320	73	37	6.6	23.5	40	7
JUL							
05...	1230	57	34	6.6	33.5	10	6
AUG							
02...	1245	27	42	6.3	27.5	50	8
SEP							
05...	1330	86	36	5.8	25.5	30	10

DATE	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS, (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT						
30...	9.4	1.1	110	340	5	0
NOV						
20...	9.1	1.2	K130	460	6	0
DEC						
06...	9.1	1.9	--	960	8	0
JAN						
25...	9.8	3.4	--	--	8	5
FEB						
22...	9.6	3.0	6200	1800	9	3
MAR						
14...	8.8	1.4	400	K110	9	1
APR						
13...	7.9	1.4	K120	2600	7	0
MAY						
02...	--	--	--	--	9	1
JUN						
13...	7.8	.9	120	230	8	0
JUL						
05...	7.4	.0	160	K75	7	0
AUG						
02...	7.2	1.4	280	240	8	0
SEP						
05...	7.1	.6	180	540	6	0

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

MISSISSIPPI RIVER DELTA

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07375050 TCHFUNCTA RIVER NEAR COWINGTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 30...	1.2	.4	3.5	.9	10	0	8	2.0	3.0	.0	14
NOV 20...	1.5	.6	4.2	1.2	12	0	10	3.9	2.4	.0	13
DEC 06...	1.7	.9	4.0	2.2	12	0	10	2.5	5.4	.0	12
JAN 25...	1.8	.8	2.9	2.9	4	0	3	10	5.0	.0	4.7
FEB 22...	2.0	.9	3.8	2.0	7	0	6	6.3	5.3	.0	6.4
MAR 14...	1.9	1.0	3.5	2.0	10	0	8	4.1	5.2	.0	7.8
APR 13...	1.5	.8	3.9	1.4	11	0	9	4.3	4.3	.0	12
MAY 02...	2.2	.8	3.4	1.4	10	0	8	2.4	4.2	.0	9.8
JUN 13...	2.0	.8	3.7	1.3	12	0	10	3.0	4.1	.0	10
JUL 05...	2.2	.4	4.0	.9	11	0	9	1.3	4.1	.0	11
AUG 02...	1.8	.8	4.6	1.8	12	0	10	1.9	4.8	.0	13
SEP 05...	2.0	.2	3.5	1.2	8	0	7	1.8	4.0	.0	13

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 30...	41	.05	.02	.23	.21	.03	.03	1.5	--	--
NOV 20...	39	.02	.04	.52	.20	.07	.07	1.7	--	--
DEC 06...	40	.23	.03	.39	.39	.10	.09	4.9	--	--
JAN 25...	35	.62	.24	.98	.84	.19	.14	--	13	2.0
FEB 22...	38	.30	.09	.98	--	.11	.06	12	--	--
MAR 14...	42	.54	.16	--	.79	.08	.05	7.4	--	--
APR 13...	36	.26	.08	.41	.36	.08	.03	--	8.3	.7
MAY 02...	33	.25	.06	.34	.34	.03	.00	--	--	--
JUN 13...	34	.19	.03	.27	.27	.02	.04	2.5	--	--
JUL 05...	37	.09	.05	.38	.04	.22	.03	--	--	--
AUG 02...	35	.22	.02	--	.48	.10	.07	4.3	--	--
SEP 05...	38	.14	.05	2.0	1.1	.05	.03	--	--	--

MISSISSIPPI RIVER DELTA

07375050 TCHFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS HA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)
OCT 30...	0	0	0	0	0	0	0	0	0
JAN 25...	1	1	0	0	1	1	0	0	0
APR 13...	0	0	30	30	1	1	0	0	4
JUL 05...	1	1	0	0	1	0	0	0	0

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	CUPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	CUPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 30...	0	2	2	350	210	1	1	20	20
JAN 25...	0	12	10	1300	210	9	1	200	120
APR 13...	3	0	0	840	320	11	0	80	60
JUL 05...	0	3	1	370	100	9	0	40	20

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 30...	.0	.0	1	1	0	0	10	0
JAN 25...	.1	.0	0	0	0	0	30	10
APR 13...	.3	.0	1	0	0	0	30	5
JUL 05...	.1	.0	0	0	0	0	10	10

MISSISSIPPI RIVER DELTA

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07375050 TCHFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHYTO- PLANK- TON. TOTAL (CELLS PER ML)	SEDI- MENT. SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 30...	--	16	--	62
NOV 20...	4100	15	--	53
DEC 06...	--	27	--	74
JAN 25...	--	42	145	90
FEB 22...	--	61	108	61
MAR 14...	3200	99	59	76
APR 13...	--	30	11	90
MAY 02...	6100	34	11	87
JUN 13...	1300	16	3.2	94
JUL 05...	--	19	2.9	53
AUG 02...	--	41	9.6	63
SEP 05...	--	42	9.8	76

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) * WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	33	63	41	40	40	39	38	---	34	42	42
2	36	32	58	47	45	39	39	38	---	33	---	37
3	36	33	58	41	45	41	45	38	40	33	42	---
4	35	32	52	42	45	42	---	38	40	---	42	41
5	34	32	50	41	42	40	24	38	42	34	40	37
6	34	32	44	41	---	39	---	41	60	33	40	32
7	34	33	52	47	29	---	30	37	42	31	---	30
8	34	32	59	49	---	40	36	40	39	35	39	35
9	34	31	56	45	32	40	37	43	---	35	38	37
10	34	32	52	55	36	40	37	41	40	37	37	42
11	34	32	48	60	42	45	38	40	43	35	37	42
12	34	33	44	54	46	38	39	41	39	35	36	38
13	34	33	43	49	42	39	39	40	38	34	---	42
14	32	32	44	47	44	42	39	37	---	37	36	40
15	33	32	43	44	43	42	39	39	38	40	---	40
16	33	---	41	43	43	41	39	40	36	36	35	---
17	32	34	40	42	43	41	40	40	35	41	37	38
18	32	35	39	42	45	39	43	39	36	43	35	38
19	---	34	36	41	47	39	39	38	35	44	36	38
20	31	34	35	40	41	39	39	38	34	---	35	37
21	31	35	44	46	50	39	38	37	---	37	36	32
22	---	35	45	48	42	---	---	---	34	40	---	33
23	31	36	---	---	44	---	---	39	34	---	---	42
24	32	36	41	42	66	37	---	35	35	---	---	39
25	32	35	---	---	30	---	25	---	34	---	---	36
26	32	32	40	41	27	44	32	33	39	---	35	34
27	33	39	40	42	52	41	36	37	---	37	---	39
28	32	45	41	40	44	40	38	39	34	41	34	43
29	32	32	39	43	---	39	---	38	33	43	35	40
30	32	64	38	46	---	39	38	37	33	41	36	39
31	32	---	38	48	---	39	---	39	---	---	---	---
MONTH	33	35	46	45	43	40	---	39	38	---	---	38
YEAR	MAX	66	MIN	24	MEAN	39						

MISSISSIPPI RIVER DELTA

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07375050 THEFUNCTIONA RIVER NEAR COVINGTON, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	17.0	12.0	17.0	6.0	17.0	12.0	20.0	---	24.0	25.0	25.0
2	19.0	15.0	13.0	---	5.0	15.0	---	19.0	---	24.0	---	25.0
3	19.0	15.0	---	---	8.0	---	17.0	21.0	23.0	24.0	25.0	---
4	20.0	15.0	16.0	15.0	11.0	13.0	---	22.0	24.0	---	25.0	24.0
5	20.0	15.0	11.0	---	9.0	12.0	15.0	19.0	23.0	25.0	25.0	24.0
6	20.0	15.0	12.0	11.0	---	13.0	---	17.0	24.0	25.0	25.0	24.0
7	15.0	17.0	---	8.0	8.0	---	15.0	20.0	25.0	25.0	---	23.0
8	13.0	14.0	---	9.0	---	11.0	17.0	20.0	23.0	24.0	25.0	24.0
9	14.0	12.0	12.0	---	5.0	11.0	17.0	20.0	---	24.0	25.0	21.0
10	15.0	15.0	9.0	7.0	6.0	13.0	---	22.0	26.0	23.0	25.0	23.0
11	17.0	15.0	6.0	7.0	7.0	11.0	20.0	22.0	22.0	23.0	25.0	22.0
12	19.0	15.0	9.0	9.0	---	10.0	21.0	22.0	18.0	22.0	24.0	25.0
13	18.0	14.0	8.0	11.0	10.0	11.0	21.0	20.0	20.0	24.0	---	23.0
14	17.0	16.0	9.0	8.0	13.0	11.0	18.0	22.0	---	24.0	24.0	23.0
15	13.0	18.0	9.0	6.0	14.0	11.0	17.0	21.0	22.0	24.0	---	20.0
16	13.0	---	13.0	9.0	15.0	12.0	18.0	18.0	22.0	25.0	23.0	---
17	13.0	---	11.0	15.0	13.0	12.0	18.0	18.0	22.0	25.0	24.0	23.0
18	12.0	16.0	9.0	14.0	11.0	15.0	19.0	18.0	24.0	25.0	25.0	23.0
19	---	15.0	13.0	15.0	10.0	15.0	19.0	20.0	22.0	25.0	25.0	23.0
20	14.0	15.0	15.0	16.0	11.0	17.0	19.0	21.0	24.0	---	25.0	23.0
21	14.0	16.0	14.0	12.0	12.0	16.0	20.0	20.0	---	24.0	25.0	22.0
22	---	15.0	10.0	10.0	---	---	---	---	22.0	25.0	---	20.0
23	16.0	16.0	---	---	17.0	---	---	20.0	23.0	---	---	20.0
24	15.0	18.0	---	5.0	16.0	15.0	---	20.0	25.0	---	---	23.0
25	16.0	15.0	7.0	---	13.0	---	20.0	---	23.0	---	---	25.0
26	18.0	16.0	7.0	8.0	14.0	11.0	21.0	17.0	23.0	---	24.0	20.0
27	19.0	17.0	11.0	8.0	13.0	13.0	19.0	16.0	---	25.0	---	23.0
28	17.0	14.0	9.0	9.0	12.0	13.0	18.0	18.0	23.0	26.0	24.0	21.0
29	16.0	15.0	10.0	7.0	---	16.0	---	22.0	24.0	26.0	24.0	21.0
30	15.0	15.0	12.0	8.0	---	17.0	---	20.0	24.0	25.0	24.0	21.0
31	17.0	---	16.0	7.0	---	19.0	---	20.0	---	---	---	---
MONTH	16.5	15.5	12.0	9.5	11.0	13.5	---	20.0	23.0	---	---	22.5
YEAR	MAX	26.0	MIN	0.0	MEAN	17.0						

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	NOV 20,78 1400	MAR 14,79 1215	MAY 2,79 1200	JUN 13,79 1320	JUL 5,79 1230					
TOTAL CELLS/ML	4100	3200	6100	1300	77					
DIVERSITY: DIVISION	1.1	1.0	1.0	0.8	0.9					
..CLASS	1.1	1.0	1.0	0.8	0.9					
...ORDER	1.9	1.6	1.5	1.2	0.9					
...FAMILY	2.6	1.7	0.0	1.3	1.5					
....GENUS	2.7	2.0	0.0	1.8	1.5					
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....OOCYSTACEAE										
.....DICHOTOMOCOCCUS	--	-	58	2	--	-	--	-	--	-
....COELASTRACEAE										
....COELASTRUM	--	-	--	-	--	-	51	4	--	-
....OOCYSTACEAE										
.....ANKISTHODESMUS	220	5	120	4	280	5	--	-	--	-
....DICTYOSPHAERIUM	--	-	--	-	370	6	--	-	--	-
....KIRCHNERIELLA	22	1	100	3	160	3	--	-	--	-
....OOCYSTIS	--	-	58	2	300	5	--	-	--	-
....TETRAEDRON	--	-	*	0	*	0	--	-	--	-
....SCENEDESMACFAE										
....SCENEDESMUS	--	-	86	3	230	4	130	10	--	-
....ULOTRICHIALES	--	-	--	-	210	3	--	-	--	-
....VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	--	-	*	0	--	-	26#	33
...ZYGEMATALES										
....UESMIDIACEAE										
.....CUSMARHIUM	510	12	120	4	540	9	130	10	--	-
....STAUROSTHUM	89	2	29	1	370	6	--	-	--	-
....ZYGEMATAACEAE										
.....MOUGEOTIA	730#	18	--	-	--	-	--	-	--	-
CHRYSOPHYTA										
..HACILLARIOPHYCEAE										
...PENNALES										
....CYMBELLACEAE										
....CYMBELLA	22	1	--	-	--	-	--	-	13#	17
...NAVICULACEAE										
....NAVICULA	44	1	--	-	--	-	--	-	39#	50
....NITZSCHIA	--	-	29	1	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
....CRYPTOMONADACEAE										
.....CRYPTOMONAS	--	-	86	3	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
....CHROOCOCCACEAE										
.....ANACYSTIS	1100#	26	350	11	3500#	58	26	2	--	-
....HORMOGONALES										
....NOSTOCACEAE										
.....ANABAENA	--	-	2100#	66	--	-	--	-	--	-
....CYLINDROSPERMUM	470	11	--	-	--	-	--	-	--	-
....OSCILLATORIA										
.....LYNGBYA	950#	23	--	-	--	-	150	12	--	-
....OSCILLATORIA	--	-	--	-	--	-	770#	61	--	-
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
....EUGLENACEAE										
.....TRACHELUMONAS	22	1	29	1	--	-	--	-	--	-

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

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

MISSISSIPPI RIVER DELTA

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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 Chappee Creek, and 6.0 mi (0.7 km) east of Hammond.

DRAINAGE AREA.--646 mi² (1,673 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 6.87 ft (2.094 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 1,127 ft³/s (31.92 m³/s), 23.69 in/yr (602 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 1929 reached a stage of 27.1 ft (8.26 m), from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharge 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. 25	1100	7300 207	15.46 4.712	Apr. 4	1700	12600 357	17.27 5.264
Feb. 7	2130	11500 326	16.93 5.160	Apr. 23	unknown	*26300 775	19.90 6.066
Feb. 25	2045	22300 632	19.31 5.886	May 14	0630	6000 170	14.76 4.499
Mar. 5	1100	7240 205	15.43 4.703	July 27	0500	5030 142	14.08 4.292

a Annual maximum from floodmark.

Minimum discharge, 454 ft³/s (12.86 m³/s) Oct. 30, 31, Nov. 1, 2, 4; minimum gage height, 5.36 ft (1.634 m) Nov. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	610	455	881	562	2670	2220	727	1170	1520	515	1000	676
2	568	456	702	657	1780	1700	751	1080	1360	511	912	660
3	546	456	626	832	1360	2180	4430	1010	1210	509	858	676
4	544	455	641	683	1950	5470	11400	970	1060	504	820	834
5	532	457	955	612	3170	7060	10200	1060	925	498	837	737
6	527	459	1040	589	5670	5230	7060	1170	856	493	838	700
7	516	473	816	831	10400	2610	3340	1070	850	495	795	670
8	510	486	701	1380	10300	1700	1770	995	799	538	765	703
9	506	487	689	1330	6500	1450	1450	925	748	628	739	680
10	502	477	1210	1060	3130	1340	1250	877	970	712	723	634
11	501	475	1030	958	1790	1600	1090	841	799	1250	707	608
12	498	473	863	901	1490	1610	999	1060	698	2930	701	593
13	496	474	737	799	1330	1320	952	3320	670	2910	700	585
14	491	474	663	708	1160	1150	900	5660	637	2220	700	581
15	488	477	624	668	1040	1050	850	2880	621	3000	689	574
16	485	483	605	636	961	976	810	1380	627	2090	704	560
17	484	497	604	617	898	937	790	1090	633	1240	674	565
18	482	504	605	606	907	910	760	952	610	979	648	598
19	480	521	591	599	1250	883	740	877	592	850	635	622
20	479	507	577	968	1310	856	720	826	578	915	625	706
21	477	494	600	3450	1600	832	7000	787	569	1490	623	1220
22	476	490	609	5880	1530	850	17000	787	561	1870	619	1380
23	473	488	689	5870	1950	1700	19000	1030	556	1400	660	919
24	472	485	689	6290	7640	1630	13000	940	550	1100	695	744
25	472	486	688	7110	18500	1200	9000	835	543	2490	661	670
26	471	491	688	4970	17600	940	6940	757	534	4170	792	632
27	470	687	665	2560	8940	859	3210	718	527	4960	873	614
28	468	1080	622	3230	4540	811	1960	694	527	4150	824	600
29	467	999	552	2870	---	778	1530	685	520	2380	877	587
30	460	951	539	1750	---	757	1300	769	516	1490	780	575
31	455	---	541	2210	---	739	---	1360	---	1160	738	---
TOTAL	15406	16197	22042	62186	121366	53348	130929	38575	22166	50447	23212	20903
MEAN	497	540	711	2006	4335	1721	4364	1244	739	1627	749	697
MAX	610	1080	1210	7110	18500	7060	19000	5660	1520	4960	1000	1380
MIN	455	455	539	562	898	739	720	685	516	493	619	560
CFSM	.77	.84	1.10	3.11	6.71	2.66	6.76	1.93	1.14	2.52	1.16	1.08
IN.	.89	.93	1.27	3.58	6.99	3.07	7.54	2.22	1.28	2.90	1.34	1.20
CAL YR 1978 TOTAL	360334			987	MAX 9240	MIN 455	CFSM 1.53	IN 20.75				
WTR YR 1979 TOTAL	576777			MEAN 1580	MAX 19000	MIN 455	CFSM 2.45	IN 33.21				

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.08	5.38	6.86	5.80	11.67	10.98	7.14	8.53	9.53	6.42	7.84	6.59
2	5.90	5.38	6.34	6.16	10.14	9.97	7.22	8.27	9.07	6.40	7.51	6.54
3	5.81	5.37	6.08	6.70	9.08	10.81	13.11	8.07	8.63	6.39	7.30	6.60
4	5.80	5.37	6.13	6.26	10.42	14.35	16.87	7.95	8.21	6.38	7.15	7.20
5	5.74	5.37	7.05	6.01	12.28	15.35	16.48	8.21	7.80	6.35	7.22	6.82
6	5.72	5.38	7.31	5.92	14.40	14.17	15.28	8.53	7.57	6.33	7.22	6.68
7	5.67	5.45	6.65	6.69	16.56	11.53	12.36	8.25	7.55	6.34	7.05	6.57
8	5.64	5.53	6.32	8.21	16.53	9.98	10.14	8.03	7.39	6.51	6.93	6.69
9	5.61	5.53	6.28	8.10	14.97	9.33	9.33	7.80	7.21	6.81	6.83	6.61
10	5.60	5.47	7.77	7.37	12.15	9.00	8.75	7.64	7.94	7.09	6.76	6.45
11	5.60	5.45	7.25	7.06	10.20	9.72	8.29	7.52	7.38	8.50	6.70	6.36
12	5.59	5.43	6.79	6.90	9.43	9.76	8.04	8.11	7.04	12.00	6.67	6.31
13	5.58	5.44	6.43	6.60	8.98	8.96	7.89	12.46	6.95	11.97	6.67	6.29
14	5.56	5.43	6.19	6.34	8.50	8.47	---	14.53	6.84	10.99	6.67	6.27
15	5.54	5.45	6.06	6.21	8.15	8.18	---	11.79	6.79	12.08	6.63	6.25
16	5.53	5.47	5.99	6.11	7.92	7.97	---	9.13	6.81	10.68	6.69	6.20
17	5.53	5.55	5.98	6.03	7.71	7.84	---	8.30	6.83	8.73	6.58	6.22
18	5.52	5.58	5.98	5.99	7.74	7.75	---	7.89	6.75	7.96	6.50	6.33
19	5.51	5.67	5.93	5.96	8.73	7.66	---	7.64	6.69	7.55	6.45	6.41
20	5.51	5.59	5.87	7.06	8.94	7.57	---	7.46	6.64	7.76	6.42	6.72
21	5.51	5.51	5.96	12.39	9.72	7.49	---	7.34	6.61	9.41	6.41	8.59
22	5.50	5.49	5.99	14.66	9.55	7.55	---	7.34	6.59	10.34	6.40	9.11
23	5.49	5.47	6.28	14.66	10.40	9.94	---	8.14	6.57	9.19	6.54	7.61
24	5.49	5.46	6.28	14.92	15.32	9.80	---	7.85	6.55	8.31	6.66	6.96
25	5.48	5.45	6.27	15.37	18.58	8.58	---	7.50	6.53	11.24	6.54	6.68
26	5.48	5.48	6.27	13.93	18.40	7.85	15.29	7.24	6.49	13.31	7.04	6.54
27	5.48	6.27	6.20	11.51	16.04	7.58	12.24	7.11	6.47	14.01	7.36	6.47
28	5.46	7.45	6.05	12.34	13.56	7.41	10.53	7.03	6.47	13.30	7.17	6.42
29	5.46	7.21	5.75	11.90	---	7.31	9.55	7.00	6.44	11.19	7.38	6.37
30	5.42	7.07	5.69	10.08	---	7.24	8.90	7.26	6.42	9.42	6.99	6.33
31	5.38	---	5.70	10.95	---	7.18	---	9.06	---	8.39	6.82	---
MEAN	5.59	5.67	6.31	8.84	11.65	9.27	---	8.35	7.16	9.08	6.87	6.71
MAX	6.08	7.45	7.77	15.37	18.58	15.35	---	14.53	9.53	14.01	7.84	9.11
MIN	5.38	5.37	5.69	5.80	7.71	7.18	---	7.00	6.42	6.33	6.40	6.20

MISSISSIPPI RIVER DELTA

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07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)
MAR							
27...	1000	859	52	6.5	9.5	30	10
APR							
13...	1030	955	49	6.5	22.5	30	15
23...	1200	--	28	5.7	22.0	100	10
MAY							
02...	1445	1070	48	6.2	22.5	30	15
17...	1315	1080	46	6.3	24.0	30	15
JUN							
13...	1010	670	49	7.2	24.5	30	10
20...	1100	577	48	6.4	27.5	20	7
JUL							
05...	1130	498	48	6.9	30.0	5	6
17...	1130	1220	57	5.5	28.0	30	15
AUG							
02...	1415	829	52	6.7	30.5	20	5
21...	1030	510	49	6.2	27.5	20	6
SEP							
05...	1130	625	50	5.8	27.0	40	15

DATE	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
MAR						
27...	9.4	3.0	300	330	11	0
APR						
13...	7.8	1.7	250	2500	12	0
23...	5.6	--	K19000	16000	9	6
MAY						
02...	8.9	.8	K14000	<5	10	0
17...	8.1	2.4	K360	210	10	0
JUN						
13...	7.7	1.2	140	140	14	0
20...	8.5	1.7	K30	K25	10	0
JUL						
05...	7.3	.1	100	K60	11	0
17...	7.0	2.3	<10	320	12	4
AUG						
02...	7.2	.2	180	260	11	0
21...	7.1	.1	K80	--	10	0
SEP						
05...	7.0	.9	330	230	8	0

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

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

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
MAR											
27...	2.6	1.1	5.3	1.9	15	0	12	2.8	6.0	.1	8.7
APR											
13...	3.1	1.0	4.1	1.6	14	0	11	1.8	5.1	.1	11
23...	2.1	1.0	5.9	2.4	4	0	3	8.2	10	.1	2.7
MAY											
02...	2.3	1.0	3.9	1.7	14	0	11	2.1	5.0	.0	11
17...	2.6	.9	4.0	--	12	0	10	--	--	--	--
JUN											
13...	3.9	1.0	4.5	1.7	18	0	15	3.2	5.7	.1	11
20...	2.5	.9	5.2	1.5	16	0	13	2.6	6.1	.0	14
JUL											
05...	2.6	1.0	4.5	1.5	14	0	11	1.9	5.7	.0	12
17...	2.5	1.3	5.3	3.1	9	0	7	13	6.8	.0	11
AUG											
02...	2.5	1.1	5.3	1.7	14	0	11	4.3	6.5	.1	3.1
21...	2.5	.9	5.2	1.5	14	0	11	3.8	6.0	.1	12
SEP											
05...	2.6	.6	4.6	1.8	11	0	9	3.0	4.0	.1	13

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDEED TOTAL (MG/L AS C)
MAR										
27...	38	.20	.20	.38	--	.05	.04	4.0	--	--
APR										
13...	43	.02	.09	.30	.28	--	.08	--	8.4	.9
23...	40	.25	.22	.92	.61	.13	.08	13	--	--
MAY										
02...	36	.29	.08	.52	.40	.06	.03	--	3.0	1.4
17...	37	--	--	--	--	--	--	3.5	--	--
JUN										
13...	48	.20	.04	.42	.31	.03	.06	2.9	--	--
20...	48	.08	.04	.48	.45	.03	.01	--	--	--
JUL										
05...	39	.09	.05	.34	.01	.06	.03	--	--	--
17...	57	.35	.20	1.3	1.3	.11	.05	6.0	--	--
AUG										
02...	43	.33	.07	.35	.35	.04	.02	--	--	1.6
21...	44	.10	.06	.38	.38	.03	.02	2.3	--	--
SEP										
05...	42	.31	.08	1.1	.95	.06	.03	--	--	--

MISSISSIPPI RIVER DELTA

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07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)
APR 13...	1	0	0	0	0	0	0	0	0
MAY 02...	0	0	0	0	3	3	0	0	0
JUN 20...	1	0	30	30	1	1	10	0	3
AUG 02...	1	1	100	30	1	1	10	0	3

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
APR 13...	0	12	9	870	30	22	0	170	120
MAY 02...	0	2	2	980	130	9	0	180	140
JUN 20...	3	19	4	560	200	39	1	120	100
AUG 02...	3	5	5	890	200	4	2	110	100

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
APR 13...	.1	.0	0	0	0	0	40	10
MAY 02...	.4	.0	1	0	0	0	40	20
JUN 20...	.1	.0	0	0	0	0	40	8
AUG 02...	.0	.0	0	0	0	0	10	8

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. * FINER THAN .062 MM
MAR 27...	4500	58	135	64
APR 13...	--	56	144	78
23...	--	129	--	94
MAY 02...	--	36	104	84
17...	--	46	134	86
JUN 13...	6100	39	71	90
20...	--	44	69	64
JUL 05...	--	31	42	97
17...	--	48	158	100
AUG 02...	--	30	67	23
21...	--	42	58	95
SEP 05...	--	103	174	61

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	MAR 27,79 1000	JUN 13,79 1010	JUL 5,79 1130			
TOTAL CELLS/ML	4500	6100	2800			
DIVERSITY: DIVISION	1.5	1.2	1.2			
...CLASS	1.5	1.2	1.2			
...ORDER	1.8	1.7	1.7			
...FAMILY	2.9	2.3	2.1			
...GENUS	3.5	2.7	2.2			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
...CHLOROPHYCEAE						
...CHLOROCOCCALES						
...CHAKACTACEAE						
...SCHROEDERIA	350	8	--	--	--	--
...COELASTHACEAE						
...COELASTRUM	--	--	180	3	--	--
...MICHACTINIACEAE						
...GULENKINIA	--	--	*	0	--	--
...MICHACTINIUM	270	6	--	--	--	--
...DUCYSTACEAE						
...ANKISTRODESMS	140	3	260	4	170	6
...CHODATELLA	78	2	--	--	--	--
...DICTYOSPHAERIUM	960#	21	240	4	39	1
...KIRCHNERIELLA	200	4	--	--	--	--
...SELENASTRUM	59	1	--	--	*	0
...TETRAEDRON	--	--	*	0	--	--
...WESTELLA	--	--	240	4	--	--
...SCENEDESMACEAE						
...CHUCIGEVIA	160	3	320	5	--	--
...SCENEDESMUS	370	8	2200#	37	1300#	45
...TETRADESMS	39	1	--	--	--	--
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
...CHLAMYDOMONAS	160	3	120	2	39	1
...ZYGEMATALES						
...DESMIDIACEAE						
...CLUSTERIUM	*	0	--	--	--	--
CHRYSOPHYTA						
...BACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCAEAE						
...CYCLOTELLA	120	3	60	1	77	3
...MELOSIKA	--	--	40	1	--	--
...PENNALES						
...FRAGILARIACEAE						
...SYNEDRA	140	3	--	--	--	--
...NAVICULACEAE						
...NAVICULA	--	--	--	--	*	0
...NITZSCHIAEAE						
...NITZSCHIA	470	10	--	--	51	2
CRYPTOPHYTA (CRYPTOMONADS)						
...CRYPTOPHYCEAE						
...CRYPTOMONADALES						
...CRYPTOMONADACEAE						
...CRYPTOMONAS	59	1	--	--	--	--
CYANOPHYTA (BLUE-GREEN ALGAE)						
...CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
...ANACYSTIS	880#	19	1600#	26	370	13
...HORMOGONIALES						
...OSCILLATORIAEAE						
...OSCILLATORIA	--	--	680	11	770#	28
EUGLENOPHYTA (EUGLENOIDS)						
...EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
...EUGLENA	--	--	*	0	--	--
...TRACHELUMONAS	59	1	*	0	--	--
PYRRHOPHYTA (FIRE ALGAE)						
...DINOPHYCEAE						
...PERIDINIALES						
...GLENODINIACEAE						
...GLENODINIUM	--	--	80	1	--	--

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

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

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

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

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

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

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 22-25, 29-31, Sep. 10-17; minimum daily, 5.0°C Feb. 10, 17.

CHLORIDE: Maximum daily, 8,100 mg/L July 19; minimum daily, 60 mg/L May 4, 6, 7, 8.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.0	19.5	14.5	10.0	7.0	---	16.0	22.0	27.0	30.0	32.0	33.0
2	27.0	20.0	14.5	10.0	8.0	---	17.0	23.0	27.0	29.0	32.0	33.0
3	26.5	19.5	20.0	10.0	8.0	---	18.0	23.0	27.0	29.0	32.0	33.0
4	---	21.0	20.0	9.0	8.0	---	18.0	23.0	27.0	29.0	32.0	33.0
5	21.0	19.0	14.5	8.0	7.0	---	20.0	---	28.0	29.0	32.0	33.0
6	20.5	19.0	16.0	10.0	7.0	---	21.0	23.0	28.0	29.0	32.0	33.0
7	21.0	19.5	14.5	9.0	7.0	10.0	21.0	23.0	28.0	29.0	32.0	33.0
8	20.0	19.5	12.0	11.0	6.0	11.5	22.0	24.0	27.0	29.0	32.0	33.0
9	20.0	19.0	11.0	11.0	6.0	12.0	23.0	---	27.0	29.0	32.0	33.0
10	20.0	19.5	10.0	6.0	5.0	12.0	23.0	24.0	27.0	29.0	32.0	34.0
11	23.0	20.0	11.0	6.0	6.0	11.5	22.0	24.0	27.0	29.0	32.0	34.0
12	21.0	20.0	10.5	6.0	7.0	12.0	22.0	24.0	27.0	29.0	32.0	34.0
13	20.5	21.0	10.0	10.0	7.0	11.5	24.0	22.0	29.0	29.0	32.0	34.0
14	20.5	21.5	9.0	9.0	9.0	11.5	23.0	23.0	29.0	29.0	32.0	34.0
15	19.0	21.5	9.0	8.0	10.0	12.0	23.0	24.0	29.0	29.0	32.0	34.0
16	19.0	21.5	11.0	8.0	7.0	12.0	21.0	27.0	30.0	29.0	33.0	34.0
17	18.5	21.5	10.0	8.0	5.0	14.0	22.0	27.0	30.0	29.0	33.0	34.0
18	18.5	21.0	10.0	8.0	7.0	14.0	22.0	28.0	29.0	29.0	33.0	33.0
19	18.5	20.0	10.0	9.0	7.0	13.0	22.0	27.0	29.0	29.0	33.0	33.0
20	19.0	20.0	11.0	10.0	7.0	14.0	23.0	27.0	29.0	29.0	33.0	33.0
21	21.0	20.0	12.0	10.0	7.0	14.0	22.0	27.0	29.0	29.0	33.0	33.0
22	19.5	19.5	12.0	6.0	7.0	14.0	22.0	28.0	29.0	29.0	34.0	33.0
23	19.5	19.5	10.0	8.0	6.0	15.0	22.0	28.0	29.0	29.0	34.0	33.0
24	19.5	---	9.0	8.0	9.0	15.0	22.0	28.0	31.0	29.0	34.0	33.0
25	21.0	---	10.0	8.0	7.0	16.0	22.0	27.0	30.0	29.0	34.0	33.0
26	21.0	---	10.0	8.0	6.0	14.0	23.0	27.0	29.0	30.0	33.0	33.0
27	21.0	---	14.0	8.0	5.5	14.0	22.0	28.0	29.0	30.0	33.0	33.0
28	20.5	---	14.0	7.0	5.5	16.0	22.0	27.0	29.0	30.0	33.0	33.0
29	20.5	19.0	10.0	7.0	---	16.0	22.0	27.0	29.0	30.0	34.0	33.0
30	21.0	19.0	---	7.0	---	16.0	22.0	27.0	29.0	30.0	34.0	33.0
31	19.5	---	10.0	8.0	---	16.0	---	27.0	---	30.0	34.0	---

MISSISSIPPI RIVER DELTA

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
UNCE--DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2400	4000	4400	5000	1200	700	1100	---	320	900	1800	4300
2	2400	4000	4400	5000	1200	700	1000	100	320	900	1800	4100
3	2400	3900	4300	2400	1300	700	1100	100	320	800	1800	4200
4	---	2900	4300	2500	1300	600	1100	60	310	3600	1800	4300
5	2700	2900	4400	2600	1400	700	1400	---	310	3600	1800	2300
6	2500	3100	2400	2700	1200	800	1300	50	480	3800	1800	2200
7	2600	3000	2500	2800	600	1100	1300	60	490	3700	2900	2100
8	2600	5000	2700	2500	1900	800	1300	60	480	3500	1800	2200
9	4200	5000	2500	2600	1400	800	1300	---	500	3700	1700	2200
10	4300	5000	2300	3300	1800	750	1300	120	490	3900	1800	2200
11	4300	4900	2200	3300	1800	750	1200	150	490	1300	1700	2100
12	4400	4900	2300	3300	1800	700	1000	120	490	1100	1800	2900
13	2800	4900	2200	3200	1800	750	1400	140	1000	1200	1900	3000
14	2800	5200	2400	3200	1400	300	1000	150	1000	1300	1800	3200
15	2800	5000	2200	3300	1300	---	1000	120	1000	1300	3200	3200
16	2700	4000	2300	3200	1300	180	1000	150	1000	1200	3300	3200
17	2500	4000	2200	2300	1400	95	1000	130	1000	1200	3200	2900
18	3700	4000	2300	2100	1400	180	900	130	1100	6100	3300	3100
19	3500	3800	2200	2200	1400	180	800	130	1200	8100	3300	2400
20	3500	4000	2500	2200	1400	90	800	150	800	4100	3300	2100
21	3600	4000	2500	2100	800	600	900	130	800	5000	3200	2200
22	3600	5000	2500	2200	500	440	800	130	900	6100	2700	2100
23	3400	5200	2600	2200	600	1100	1000	180	800	6500	2700	2000
24	3300	---	2200	1300	600	1200	1000	200	900	6100	2800	2200
25	3100	---	2500	1300	700	1400	1000	170	800	1700	2500	2000
26	3300	---	2600	1300	700	1200	1000	170	900	1800	2700	1700
27	3300	---	5100	1400	600	1200	1000	170	500	1700	2600	1500
28	3200	---	5300	1400	700	1100	1000	180	800	1600	2800	1400
29	3400	4500	5900	1300	---	1000	1000	160	900	1600	4200	1500
30	3300	4300	6000	1500	---	1000	1000	330	700	1700	4200	1500
31	3200	---	5000	1300	---	1100	---	300	---	1500	4000	---

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 31.0°C June 25, 28, 30, July 2, 5, Aug. 5, 6, 1978; minimum daily, 3.0°C Jan. 3, 1979.

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, 30.0°C Aug. 2, 3, 7, 8, 9, 10; minimum daily, 3.0°C Jan. 3.

CHLORIDE: Maximum daily, 4,000 mg/L Jan. 1; minimum daily, 300 mg/L May 7, 10, June 7, 10, 12.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	20.5	15.5	15.0	5.0	15.0	22.0	21.0	24.0	28.0	29.0	28.0
2	24.0	21.0	15.5	5.0	7.0	16.0	22.0	21.0	24.0	29.0	30.0	28.0
3	22.0	19.5	15.5	3.0	9.0	17.0	21.0	23.0	24.0	29.0	30.0	28.0
4	27.0	19.5	15.0	5.0	10.0	15.0	20.0	23.0	24.0	29.0	29.0	28.0
5	24.5	19.5	12.0	5.0	5.0	15.0	18.0	22.0	23.0	29.0	29.0	29.0
6	25.0	20.5	15.0	5.0	3.0	14.0	20.0	23.0	23.0	30.0	29.0	29.0
7	18.5	26.5	15.5	8.0	7.0	15.0	20.0	24.0	24.0	28.0	30.0	28.0
8	19.5	19.5	25.5	7.0	7.0	15.5	21.0	25.0	25.0	27.0	30.0	28.0
9	20.0	15.5	10.0	---	6.0	16.5	21.0	24.0	28.0	28.0	30.0	26.0
10	20.5	19.0	7.0	7.0	5.0	15.5	22.0	21.0	28.0	28.0	30.0	28.0
11	22.5	20.0	5.0	7.0	3.0	14.5	22.0	27.0	25.0	27.0	29.0	28.0
12	23.5	20.0	5.0	5.0	9.0	15.0	22.0	26.0	24.0	27.0	29.0	27.0
13	24.0	21.0	5.0	6.0	13.0	16.5	22.0	23.0	25.0	27.0	29.0	25.0
14	21.5	22.5	2.0	6.0	12.0	15.0	22.0	21.0	27.0	27.0	29.0	25.0
15	19.0	22.0	11.0	6.0	13.0	15.5	22.0	19.0	28.0	28.0	29.0	24.0
16	20.0	21.0	12.0	5.0	14.0	15.0	22.0	22.0	28.0	29.0	29.0	24.0
17	15.0	21.0	15.5	7.0	13.0	15.0	22.0	24.0	29.0	28.0	29.0	25.0
18	16.0	15.0	5.0	11.0	12.0	16.5	23.0	24.0	28.0	29.0	29.0	26.0
19	20.0	21.0	14.0	12.0	10.0	17.5	23.0	25.0	28.0	29.0	29.0	26.0
20	15.0	22.0	15.0	13.0	11.0	14.0	23.0	25.0	28.0	29.0	29.0	26.0
21	20.0	20.5	15.0	14.0	13.0	20.5	23.0	26.0	28.0	28.0	29.0	25.0
22	20.5	21.5	12.0	5.0	14.0	21.0	23.0	27.0	29.0	28.0	23.0	26.0
23	21.0	15.5	14.0	5.0	14.0	20.0	22.0	26.0	28.0	28.0	22.0	26.0
24	20.0	24.0	15.0	5.0	15.0	15.0	22.0	25.0	---	27.0	28.0	26.0
25	---	15.5	15.0	6.0	12.0	14.0	22.0	24.0	---	27.0	29.0	29.0
26	25.5	18.5	11.0	7.0	11.0	13.0	24.0	24.0	---	27.0	29.0	24.0
27	21.0	15.0	10.0	7.0	11.0	15.0	22.0	24.0	25.0	24.0	24.0	23.0
28	20.5	---	5.0	7.0	13.0	17.0	23.0	24.0	28.0	28.0	24.0	24.0
29	20.5	15.5	11.0	5.0	---	---	19.0	22.0	24.0	29.0	29.0	24.0
30	20.5	15.5	---	7.0	---	20.0	21.0	24.0	29.0	29.0	29.0	29.0
31	24.0	---	---	7.0	---	21.0	---	24.0	---	29.0	23.0	---

MISSISSIPPI RIVER DELTA

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

DISCHARGE COEFFICIENT (C_D), CFS/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2400	2500	2500	4000	1700	1200	750	1000	350	500	950	3100
2	2500	2400	2100	---	1600	1200	650	1000	600	500	1200	2600
3	2300	2400	2100	1400	1500	700	500	950	550	500	1400	2400
4	2100	2300	2200	---	1300	650	600	400	650	450	1500	2500
5	2300	2500	1500	2300	1500	650	650	750	600	450	1500	1500
6	2300	2500	2700	1300	400	700	800	450	400	500	1400	1400
7	2300	2500	2500	1100	700	600	650	300	300	650	1500	1400
8	2200	2500	2300	---	700	700	750	600	400	600	1700	1400
9	2200	2500	1500	---	650	800	800	400	350	1400	1600	1400
10	2300	2700	1700	2200	850	750	450	300	300	1200	1800	3500
11	2300	2800	1700	1300	600	900	450	350	350	1100	1700	3500
12	2500	2900	1800	2200	1500	1100	650	650	360	1600	1400	2700
13	2500	2800	1700	2200	700	1100	750	750	500	1600	1700	1600
14	2400	2700	1800	1400	1700	1300	650	750	500	1200	1700	1500
15	2200	3500	2300	1700	1700	1000	350	600	650	2100	1700	1500
16	2200	3300	2300	2900	1700	1000	700	500	600	1300	2000	1600
17	1500	3000	2400	2100	1400	900	650	550	600	1200	2100	2700
18	2500	3000	2400	2000	1500	450	750	450	550	1200	1400	3100
19	2700	3000	2200	2000	1500	350	700	450	500	2600	1400	1700
20	3000	2700	2400	1800	1500	400	650	550	500	1100	1400	2200
21	2500	2800	2200	1800	1400	700	950	700	500	1100	2300	2200
22	3600	2700	2400	1600	1400	550	550	550	450	1200	1700	1600
23	3200	2500	2400	1600	1200	650	800	400	450	2400	1800	1700
24	2300	2700	2400	1600	1200	750	450	500	---	1200	1400	1600
25	---	2500	1500	1900	1300	750	850	500	---	1100	2400	1700
26	2500	3400	1600	1800	800	750	650	450	---	1100	3100	1900
27	2300	3300	2300	1200	1100	700	700	500	600	1100	2400	1600
28	2100	---	2400	1500	1200	650	1000	800	650	1100	3100	1500
29	2300	3400	2300	1500	---	500	1000	500	500	850	2800	1200
30	2300	2500	---	1600	---	500	900	350	450	1000	2300	1300
31	3500	---	---	1700	---	500	---	400	---	900	2500	---

MISSISSIPPI RIVER DELTA

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301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)

LOCATION.--Lat 30°10'00", long 89°51'00", T.10 S., R.13 E., Orleans Parish, Hydrologic Unit 08090202, 0.9 mi (1.4 km) north of Pointe Aux Herbes.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1979 to June 1979 (discontinued).

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

WATER QUALITY DATA: WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COHART UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN- DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, IMMED. (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)
APR												
19...	1440	3350	7.7	30	10	<1.0	8.8	45	2.1	<10	<4	330
20...	1230	3640	7.8	10	10	<1.0	8.2	60	1.4	<4	<2	400
21...	1120	3250	7.5	10	10	<1.0	7.8	43	.8	K36	<2	330
23...	1125	3000	7.5	15	20	<1.0	6.9	45	.7	K280	120	300
24...	1055	2570	7.4	30	25	<1.0	8.2	36	1.0	K12	K4	260
25...	1045	2730	7.4	30	15	<1.0	7.8	35	.9	100	42	270
26...	1320	2700	7.4	20	20	<1.0	8.0	39	1.6	K24	K14	260
27...	1110	3130	7.2	15	20	<1.0	7.8	47	.8	K20	K4	310
28...	1120	3580	7.0	10	10	<1.0	8.8	40	1.3	K12	K6	340
29...	1120	3770	7.5	10	20	<1.0	7.8	34	.7	K12	<2	270
30...	1515	3540	7.2	20	4	<1.0	8.5	32	1.3	180	<2	360
MAY												
01...	1540	3880	7.6	10	10	<1.0	8.0	41	.7	160	<2	390
02...	1255	3160	7.5	15	10	<1.0	8.1	46	.3	K60	<4	320
04...	1030	1420	7.7	10	40	<1.0	8.0	23	.3	K16	K6	200
05...	1120	1590	7.6	20	20	<1.0	8.3	22	.7	72	K4	200
06...	1035	1720	7.5	30	10	<1.0	7.8	24	.6	K12	K4	200
07...	1235	970	8.0	20	30	<1.0	7.3	18	1.8	<4	<4	150
08...	1135	1170	7.9	20	15	<1.0	8.5	17	.8	<4	<4	160
09...	1305	1030	8.0	15	20	<1.0	9.3	13	2.1	K8	<4	150
10...	1300	1050	7.9	20	25	<1.0	8.2	23	1.2	K20	<4	150
11...	1100	1130	8.1	15	15	<1.0	11.5	29	3.9	300	K4	150
12...	1030	1020	7.9	30	30	<1.0	7.2	23	.7	K12	<4	150
15...	1020	1180	7.6	30	15	<1.0	8.4	22	.8	<4	<4	155
16...	1120	1250	7.6	20	10	<1.0	8.7	22	1.4	260	K4	110
17...	1025	1230	7.8	20	10	<1.0	8.8	22	1.3	K340	<4	150
18...	1025	1210	7.8	30	20	<1.0	8.9	23	2.1	280	<2	150
19...	0840	1260	7.7	20	15	<1.0	7.3	22	2.0	K300	<2	150
20...	0840	1630	7.6	30	10	<1.0	8.1	35	2.3	K1600	K8	180
21...	1100	1310	7.8	30	8	<1.0	7.7	24	.9	<4	<4	150
22...	0905	1260	7.9	30	20	<1.0	7.4	20	.1	K8	<2	160
23...	1110	1340	7.8	40	25	<1.0	7.7	29	.8	<4	K2	150
24...	1005	1530	8.4	30	10	<1.0	9.5	26	3.7	K44	K2	170
25...	1035	1380	7.6	40	15	<1.0	8.3	25	.9	<4	<2	160
29...	1110	1420	7.7	30	15	<1.0	8.1	26	1.1	K4	<2	150
30...	0925	1740	7.8	15	30	<1.0	7.7	23	.6	<4	<2	190
31...	1010	1450	7.6	30	15	<1.0	7.7	22	.8	K8	<2	160
JUN												
01...	0945	1410	7.6	40	15	<1.0	9.0	17	1.5	K24	<2	150
02...	1050	1390	7.8	30	8	<1.0	8.6	24	1.4	110	--	160

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

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

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

	MAGNE- SIUM, DIS- SOLVED (MG/L AS SO ₄)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)	ALKA- LITY (MG/L AS CAO ₃)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
APR												
19...	300	29	62	540	77	13	23	38	0	31	140	960
20...	370	35	77	630	76	14	28	42	0	34	170	1100
21...	300	30	61	520	76	13	23	35	0	29	150	880
23...	270	27	56	480	76	12	23	34	0	28	140	830
24...	240	22	50	410	76	11	19	31	0	25	120	740
25...	250	23	52	430	76	11	20	32	0	26	120	740
26...	240	23	50	440	77	12	20	33	0	27	120	770
27...	240	27	60	500	76	12	22	38	0	31	130	910
28...	310	29	66	570	77	15	24	40	0	33	160	980
29...	230	34	45	600	81	16	26	44	0	36	160	1000
30...	330	30	70	560	75	13	26	39	0	32	150	970
MAY												
01...	360	35	74	610	76	13	28	44	0	36	160	1100
02...	290	28	60	500	75	12	35	39	0	32	130	910
04...	140	29	30	210	69	6.5	11	69	0	57	69	390
05...	150	30	31	240	71	7.3	11	61	0	50	75	410
06...	150	27	31	260	73	8.1	14	58	0	48	80	470
07...	88	26	20	130	64	4.7	8.4	72	0	59	53	230
08...	110	26	24	160	67	5.4	8.9	65	0	53	62	300
09...	76	26	21	140	65	5.0	8.0	67	0	55	56	250
10...	100	25	22	140	55	4.9	8.4	65	0	53	56	250
11...	98	25	22	160	68	5.6	8.9	67	0	55	57	270
12...	94	25	21	140	66	5.0	8.4	67	0	55	57	260
13...	110	56	15	170	69	5.9	9.4	59	0	48	60	290
16...	59	23	12	190	78	8.0	9.7	58	0	48	59	310
17...	100	23	23	180	71	6.4	9.3	58	0	48	58	300
18...	100	22	23	170	70	6.0	9.4	56	0	46	57	300
19...	110	21	24	180	71	6.4	9.7	54	0	44	60	320
20...	140	24	30	250	73	8.0	12	50	0	41	71	440
21...	110	21	24	190	72	6.7	10	50	0	41	63	340
22...	110	21	25	190	71	6.6	10	54	0	44	60	320
23...	110	20	25	200	72	7.0	10	50	0	41	64	350
24...	130	20	29	230	73	7.7	11	51	0	42	67	410
25...	120	18	27	200	72	7.0	11	41	0	34	63	370
29...	120	19	26	210	73	7.4	11	45	0	37	66	370
30...	150	21	33	270	74	8.6	13	44	0	36	84	480
31...	130	--	28	210	72	7.2	11	45	0	37	66	380
JUN												
01...	120	19	26	220	75	7.7	5.6	48	0	39	69	360
02...	110	21	25	200	72	7.0	11	51	0	42	69	350

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
APR...											
19...	66	.00	.02	.02	.53	.02	1	0	0	0	0
20...	10	.01	.00	.01	.49	.03	1	1	0	0	0
21...	88	.01	.00	.01	.54	.02	1	1	0	0	0
23...	52	.04	.00	.04	.48	.04	1	1	0	0	0
24...	29	.05	.00	.05	.43	.04	1	1	0	0	0
25...	9	.03	.02	.05	.40	.04	0	0	0	0	0
26...	24	.03	.02	.05	.41	.04	0	0	0	0	0
27...	19	.02	.02	.04	.59	.03	0	0	0	0	0
28...	15	.00	.02	.02	.64	.03	0	0	0	0	0
29...	22	.00	.02	.02	.51	.03	1	1	0	0	0
30...	11	.00	.02	.02	.43	.03	0	0	0	0	0
MAY...											
01...	22	.00	.02	.02	.42	.03	0	0	0	0	0
02...	14	.03	.02	.05	.43	.04	1	0	1	0	0
04...	35	1.0	.06	1.1	.52	.07	1	0	1	0	0
05...	18	.46	.04	.40	.55	.05	1	0	1	0	0
06...	10	.74	.04	.78	.36	.05	1	0	1	10	0
07...	31	1.2	.04	1.2	.41	.07	1	0	1	0	0
08...	15	.98	.02	1.0	.48	.06	2	2	0	0	0
09...	22	.98	.02	1.0	.45	.07	1	0	1	0	0
10...	15	.98	.02	1.0	.57	.06	1	0	1	0	0
11...	15	.75	.04	.79	.37	.04	2	0	2	0	0
12...	35	.82	.02	.84	.52	.06	2	1	1	0	0
15...	14	.62	.02	.64	.58	.03	2	1	1	0	0
16...	8	.45	.02	.47	.39	.05	1	0	1	0	0
17...	9	.44	.02	.50	.48	.03	1	0	1	0	0
18...	18	.47	.02	.49	.50	.05	1	0	1	0	0
19...	10	.37	.02	.39	.45	.04	1	1	0	0	0
20...	10	.18	.02	.20	.47	.04	1	1	0	0	0
21...	4	.31	.02	.33	.52	.03	1	0	1	0	0
22...	14	.38	.04	.42	.44	.04	2	1	1	0	0
23...	17	.33	.02	.35	.50	.04	1	0	1	0	0
24...	0	.01	.00	.01	.54	.03	1	0	1	0	0
25...	12	.21	.02	.23	.43	.03	1	1	0	0	0
29...	16	.17	.02	.19	.52	.03	1	0	1	0	0
30...	35	.25	.08	.33	.44	.04	1	1	0	0	0
31...	16	.20	.02	.22	.56	.03	1	1	0	0	0
JUN...											
01...	12	.11	.04	.15	.14	.02	1	0	1	0	0
02...	6	.18	.04	.22	.61	.02	1	0	1	0	0

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYL- LIU-4, DIS- SOLVED (UG/L AS HE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
APR											
19...	0	0	0	0	0	0	2	1	1	0	11
20...	0	0	0	0	10	0	2	1	1	0	10
21...	0	0	0	0	0	0	2	1	1	10	14
23...	0	0	0	0	0	0	2	1	1	10	12
24...	0	1	1	0	10	0	1	0	1	50	7
25...	0	0	0	0	10	0	6	3	3	40	25
26...	0	0	0	0	10	0	4	1	3	40	20
27...	0	0	0	0	10	0	7	6	1	10	25
28...	0	0	0	0	0	0	5	3	2	40	36
29...	0	0	0	0	10	0	15	14	1	0	35
30...	0	0	0	0	10	0	5	4	1	10	29
MAY											
01...	0	1	1	0	0	0	1	0	1	30	6
02...	0	1	1	0	10	0	2	2	0	0	3
04...	0	1	1	0	10	0	3	3	0	0	12
05...	0	1	1	0	0	0	3	3	0	0	7
06...	10	1	1	0	0	0	2	2	0	10	8
07...	0	1	1	0	0	0	3	3	0	10	6
08...	0	0	0	0	0	0	6	5	1	10	6
09...	0	1	1	0	10	0	2	2	0	10	7
10...	0	0	0	0	10	0	8	7	1	10	8
11...	0	0	0	0	0	0	5	4	1	10	13
12...	0	1	0	1	10	0	3	3	0	10	6
15...	0	0	0	0	0	0	5	4	1	20	8
16...	0	0	0	0	0	0	5	4	1	10	12
17...	0	0	0	0	0	0	5	4	1	30	10
18...	0	0	0	0	0	0	6	5	1	10	6
19...	0	0	0	0	0	0	5	4	1	10	5
20...	0	0	0	0	10	0	11	10	1	10	11
21...	0	0	0	0	10	0	5	4	1	20	0
22...	0	0	0	0	0	0	4	3	1	10	3
23...	0	0	0	0	10	0	4	4	0	30	5
24...	0	2	1	1	0	0	5	2	3	20	6
25...	0	0	0	0	0	0	4	2	2	10	13
29...	0	0	0	0	0	0	4	2	2	20	9
30...	0	0	0	0	0	0	4	2	2	10	10
31...	0	0	0	0	10	0	5	3	2	10	10
JUN											
01...	0	1	0	1	0	0	3	2	1	10	4
02...	0	1	0	1	0	0	3	0	3	20	9

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE- RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE- RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE- RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE- RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
APR												
19...	11	0	.0	.0	.0	9	9	0	0	0	0	20
20...	10	0	.0	.0	.0	4	4	0	0	0	0	20
21...	14	0	.0	.0	.0	0	0	0	0	0	0	20
23...	12	0	.0	.0	.0	2	0	2	0	0	0	20
24...	7	0	.0	.0	.0	3	2	1	0	0	0	20
25...	25	0	.0	.0	.0	3	3	0	0	0	0	20
26...	19	1	.0	.0	.0	3	3	0	0	0	0	10
27...	25	0	.0	.0	.0	3	3	0	0	0	0	20
28...	34	2	.0	.0	.0	5	0	5	0	0	0	20
29...	35	0	.1	.1	.0	4	4	0	1	1	0	40
30...	29	0	.0	.0	.0	3	3	0	0	0	0	20
MAY												
01...	6	0	.0	.0	.0	6	6	0	0	0	0	40
02...	3	0	.0	.0	.0	7	5	2	0	0	0	20
04...	12	0	.1	.0	.1	10	8	2	0	0	0	20
05...	7	0	.0	.0	.0	8	6	2	0	0	0	10
06...	8	0	.1	.1	.0	4	1	3	0	0	0	10
07...	6	0	.1	.0	.1	7	6	1	1	1	0	20
08...	6	0	.0	.0	.0	6	6	0	0	0	0	40
09...	7	0	.1	.1	.0	5	2	3	0	0	0	10
10...	8	0	.0	.0	.0	7	7	0	0	0	0	20
11...	13	0	.0	.0	.0	5	5	0	0	0	0	10
12...	6	0	.1	.1	.0	5	5	0	0	0	0	30
15...	8	0	.0	.0	.0	3	3	0	0	0	0	10
16...	12	0	.0	.0	.0	3	3	0	0	0	0	10
17...	10	0	.0	.0	.0	5	5	0	1	0	1	10
18...	6	0	.0	.0	.0	4	4	0	0	0	0	10
19...	5	0	.0	.0	.0	4	4	0	1	0	1	10
20...	11	0	.0	.0	.0	8	8	0	0	0	0	10
21...	0	0	.0	.0	.0	6	6	0	0	0	0	10
22...	3	0	.0	.0	.0	2	2	0	0	0	0	10
23...	4	1	.0	.0	.0	2	0	2	0	0	0	10
24...	5	1	.0	.0	.0	4	0	4	0	0	0	20
25...	12	1	.0	.0	.0	4	2	2	0	0	0	10
29...	8	1	.1	.1	.0	4	2	2	0	0	0	10
30...	9	1	.0	.0	.0	4	2	2	0	0	0	10
31...	8	2	.0	.0	.0	4	2	2	0	0	0	10
JUN												
01...	4	0	.0	.0	.0	4	2	2	0	0	0	20
02...	9	0	.0	.0	.0	5	3	2	0	0	0	10
03...	13	0	.0	.0	.0	4	2	2	0	0	0	40

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, SUS- PENDED RECOVER- ABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVER- ABLE (MG/L)	PCH, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
APR												
19...	10	10	6.9	.00	0	0	.0	.00	.000	.0	.000	.000
20...	0	20	7.6	.00	7	0	.0	.00	.000	.0	.000	.000
21...	0	20	7.0	.00	3	0	.0	.00	.000	.0	.000	.000
23...	10	10	6.5	.00	1	0	.0	.00	.000	.0	.000	.000
24...	10	10	7.0	.00	3	0	.0	.00	.000	.0	.000	.000
25...	10	10	7.3	.00	1	0	.0	.00	.000	.0	.000	.000
26...	0	10	6.8	.00	1	0	.0	.00	.000	.0	.000	.000
27...	10	10	6.1	.00	0	0	.0	.00	.000	.0	.000	.000
28...	10	10	6.1	.00	0	0	.0	.00	.000	.0	.000	.000
29...	30	10	5.8	.00	2	0	.0	.00	.000	.0	.000	.000
30...	0	20	6.3	.00	3	0	.0	.00	.000	.0	.000	.000
MAY												
01...	30	10	5.6	.00	3	0	.0	.00	.000	.0	.000	.000
02...	10	10	6.6	.00	2	--	.0	.00	.000	.0	.000	.000
04...	10	10	5.7	.00	10	--	--	--	--	--	--	--
05...	0	10	5.6	.00	4	0	.0	.00	.000	.0	.000	.000
06...	0	10	6.2	.00	1	0	.0	.00	.000	.0	.000	.000
07...	10	10	5.1	.00	2	0	--	--	--	--	--	--
08...	30	10	5.7	.00	1	--	.0	.00	.000	.0	.000	.000
09...	0	10	6.2	.00	1	--	.0	.00	.000	.0	.000	.000
10...	10	10	5.0	.00	2	--	.0	.00	.000	.0	.000	.000
11...	0	10	5.2	.00	1	--	.0	.00	.000	.0	.000	.000
12...	20	10	6.0	.00	0	--	.0	.00	.000	.0	.000	.000
15...	0	10	6.6	.00	1	--	.0	.00	.000	.0	.000	.000
16...	0	10	7.4	.00	0	--	.0	.00	.000	.0	.000	.000
17...	0	10	6.9	.00	0	--	.0	.00	.000	.0	.000	.000
18...	0	10	6.8	.00	0	--	.0	.00	.000	.0	.000	.000
19...	0	10	7.6	.00	2	--	.0	.00	.000	.0	.000	.000
20...	0	10	9.3	.00	0	--	.0	.00	.000	.0	.000	.000
21...	0	10	--	.00	0	--	.0	.00	.000	.0	.000	.000
22...	0	10	--	.00	0	--	.0	.00	.000	.0	.000	.000
23...	0	10	8.2	.00	0	--	.0	.00	.000	.0	.000	.000
24...	10	10	9.5	.00	3	--	.0	.00	.000	.0	.000	.000
25...	0	10	8.4	.00	5	0	.0	.00	.000	.0	.000	.000
29...	0	10	6.6	.00	3	0	.0	.00	.000	.0	.000	.000
30...	0	10	6.4	.00	2	0	.0	.00	.000	.0	.000	.000
31...	0	10	7.9	.00	3	0	.0	.00	.000	.0	.000	.000
JUN												
01...	10	10	9.7	.00	3	0	.0	.00	.000	.0	.000	.000
02...	0	10	7.6	.00	3	0	.0	.00	.000	.0	.000	.000
03...	30	10	6.1	.00	0	--	.0	.00	.000	.0	.000	.000

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
APR												
19...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.000	.10	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
23...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
24...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
25...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
26...	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
27...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
28...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
29...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
30...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY												
01...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
02...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
06...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
09...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
10...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
11...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
12...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
15...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
17...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
18...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
20...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
22...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
23...	.000	.00	.000	.000	.000	.00	.000	--	.000	.00	.00	.00
24...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
25...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
29...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
30...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
31...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN												
01...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
02...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
03...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

MISSISSIPPI RIVER DELTA

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR											
19...	.00	.00	.00	.00	.0	.00	.02	.01	.00	3.33	.000
20...	.00	.00	.00	.00	.0	.00	.01	.02	.00	5.01	.000
21...	.00	.00	.00	.00	.0	.00	.01	.02	.00	5.05	.000
23...	.00	.00	.00	.00	.0	.00	.01	.01	.00	4.11	.000
24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.53	.000
25...	.00	.00	.00	.00	.0	.00	.01	.01	.00	5.87	.000
26...	.00	.00	.00	.00	.0	.00	--	--	--	6.44	.000
27...	.00	.00	.00	.00	.0	.00	.00	.00	.00	8.67	.000
28...	.00	.00	.00	.00	.0	.00	.01	.01	.00	11.5	.000
29...	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.21	.000
30...	.00	.00	.00	.00	.0	.00	--	--	--	12.3	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	--	--	--	1.74	.000
02...	.00	.00	.00	.00	.0	.00	--	--	--	4.46	.000
04...	--	--	--	--	--	--	--	--	--	4.82	.000
05...	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.83	.000
06...	.00	.00	.00	.00	.0	.00	--	--	--	4.00	.000
07...	--	--	--	--	--	--	--	--	--	10.9	.000
08...	.00	.00	.00	.00	.0	.00	.02	.01	.00	15.6	.000
09...	.00	.00	.00	.00	.0	.00	.02	.01	.00	16.7	.000
10...	.00	.00	.00	.00	.0	.00	--	--	--	16.7	.000
11...	.00	.00	.00	.00	.0	.00	--	--	--	29.2	5.70
12...	.00	.00	.00	.00	.0	.00	.02	.01	.00	10.2	.000
15...	.00	.00	.00	.00	.0	.00	--	--	--	8.21	.000
16...	.00	.00	.00	.00	.0	.00	.02	.01	.00	17.2	.000
17...	.00	.00	.00	.00	.0	.00	.02	.01	.00	16.3	.000
18...	.00	.00	.00	.00	.0	.00	.02	.01	.00	16.5	.000
19...	.00	.00	.00	.00	.0	.00	.02	.01	.00	14.3	.000
20...	.00	.00	.00	.00	.0	.00	--	--	--	17.6	.000
21...	.00	.00	.00	.00	.0	.00	--	--	--	8.29	.000
22...	.00	.00	.00	.00	.0	.00	--	--	--	8.68	.000
23...	.00	.00	.00	.00	.0	.00	.09	.02	.00	18.1	.000
24...	.00	.00	.00	.00	.0	.00	.02	.00	.00	13.0	.000
25...	.00	.00	.00	.00	.0	.00	.02	.01	.00	13.9	.000
29...	.00	.00	.00	.00	.0	.00	.03	.01	.00	7.08	.000
30...	.00	.00	.00	.00	.0	.00	.02	.01	.00	6.50	.000
31...	.00	.00	.00	.00	.0	.00	.02	.01	.00	9.27	.000
JUN											
01...	.00	.00	.00	.00	.0	.00	.42	.01	.00	9.97	.000
02...	.00	.00	.00	.00	.0	.00	.23	.01	.00	10.0	.000
03...	.00	.00	.00	.00	.0	.00	.02	.01	.00	7.59	.000

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN DEMAND, 5 DAY (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
JUN												
03...	0915	1310	7.8	20	15	<1.0	7.6	12	.2	K32	K2	150
04...	1145	1270	7.9	30	8	<1.0	8.0	9	.7	K8	<2	150
05...	1015	1340	7.8	15	10	<1.0	7.1	15	.0	K6	<4	150
06...	1055	1590	7.5	5	10	<1.0	7.3	17	.3	K4	<4	170
07...	1025	1420	7.5	10	8	<1.0	7.6	22	.9	K16	<2	150
08...	1050	1310	7.7	10	9	<1.0	7.5	16	.8	<4	<2	160
09...	1045	1390	7.6	20	10	<1.0	7.1	12	--	<4	<2	150
10...	1020	1370	7.6	20	7	<1.0	8.1	18	1.1	<4	<2	150
11...	1200	1270	7.5	40	8	<1.0	7.7	21	.8	K30	K13	140
12...	1140	1470	7.6	40	15	<1.0	7.7	28	.9	<10	<1	160
13...	1050	1450	7.5	5	10	<1.0	7.8	--	.8	<10	<1	--
14...	1010	1230	7.5	15	10	<1.0	8.0	20	.8	<10	<1	130

DATE	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)
JUN												
03...	110	22	24	190	71	6.7	11	58	0	48	66	330
04...	110	20	25	180	70	6.3	11	53	0	43	66	320
05...	110	20	25	200	72	7.0	11	51	0	42	69	340
06...	140	19	30	240	74	8.0	12	42	0	34	81	430
07...	120	19	25	220	74	7.8	11	43	0	35	73	380
08...	110	20	26	190	71	6.6	11	57	0	47	74	350
09...	110	18	25	210	74	7.5	11	49	0	40	73	380
10...	110	18	25	210	74	7.5	11	52	0	43	76	360
11...	100	15	25	200	74	7.3	10	44	0	36	67	330
12...	120	21	26	230	74	7.9	11	52	0	43	76	390
13...	--	--	--	--	--	--	--	49	0	40	--	--
14...	90	16	22	180	73	6.9	9.7	49	0	40	66	320

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITROGENOUS TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, SUS-PENDED (UG/L AS AS)	ARSENIC, DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOVERABLE (UG/L AS BE)
JUN											
03...	19	.51	.02	.53	.42	.05	1	1	0	0	0
04...	8	.32	.04	.36	.40	.03	1	0	1	0	0
05...	10	.31	.02	.33	.40	.03	1	0	1	0	0
06...	12	.21	.04	.25	.36	.02	1	0	1	0	0
07...	15	.11	.02	.13	.42	.03	1	1	0	0	0
08...	5	.32	.02	.34	.43	.06	1	0	1	0	0
09...	4	.22	.02	.24	.52	.05	1	1	0	0	0
10...	6	.23	.02	.25	.67	.03	1	1	0	0	0
11...	10	.18	.02	.20	.48	.03	1	1	0	0	0
12...	13	.19	.02	.21	.30	.03	1	0	1	1	0
13...	--	--	--	--	--	--	--	--	--	--	--
14...	10	.18	.04	.22	.32	.03	1	0	1	1	0

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

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

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOVERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CH)	CHROMIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CH)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
JUN											
03...	0	1	0	1	0	0	4	2	2	20	13
04...	0	1	0	1	10	0	3	2	1	20	10
05...	0	1	0	1	0	0	2	0	2	20	4
06...	0	1	0	1	0	0	2	1	1	10	33
07...	0	1	0	1	0	0	4	3	1	20	9
08...	0	1	0	1	10	0	10	9	1	10	8
09...	0	1	0	1	0	0	2	1	1	10	2
10...	0	1	0	1	0	0	2	2	0	10	1
11...	0	1	0	1	10	0	3	3	0	40	9
12...	1	1	0	1	10	0	6	5	1	10	9
13...	--	--	--	--	--	--	--	--	--	--	--
14...	1	1	0	1	10	0	7	7	0	20	16

DATE	LEAD, SUS- PENDED RECOVERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOVERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOVERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE)	SELENIUM, SUS- PENDED RECOVERABLE (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
JUN												
04...	10	0	.0	.0	.0	6	4	2	0	0	0	10
05...	4	0	.0	.0	.0	2	0	2	0	0	0	10
06...	32	1	.0	.0	.0	4	0	4	0	0	0	10
07...	8	1	.0	.0	.0	7	4	3	0	0	0	10
08...	8	0	.0	.0	.0	4	1	3	0	0	0	20
09...	2	0	.0	.0	.0	4	0	4	0	0	0	10
10...	1	0	.0	.0	.0	5	2	3	0	0	0	10
11...	8	1	.0	.0	.0	5	2	3	0	0	0	10
12...	9	0	.0	.0	.0	4	0	4	0	0	0	10
13...	--	--	--	--	--	--	--	--	--	--	--	--
14...	15	1	.0	.0	.0	4	1	3	0	0	0	20

DATE	ZINC, SUS- PENDED RECOVERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	NAPHTHA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)	ODE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
JUN												
04...	0	10	7.8	.00	1	.0	.00	.000	.0	.000	.000	.000
05...	0	10	5.5	.00	0	--	--	--	--	--	--	--
06...	0	10	7.3	.00	0	.0	.00	.000	.0	.000	.000	.000
07...	0	10	16	.00	2	.0	.00	.000	.0	.000	.000	.000
08...	10	10	6.1	.00	0	--	--	--	--	--	--	--
09...	0	10	--	.00	1	--	--	--	--	--	--	--
10...	0	10	--	.00	2	--	--	--	--	--	--	--
11...	0	10	--	.00	2	--	--	--	--	--	--	--
12...	7	3	--	.00	0	.0	.00	.000	.0	.000	.000	.000
13...	--	--	--	--	--	.0	.00	.000	.0	.000	.000	.000
14...	20	3	--	.00	3	.0	.00	.000	.0	.000	.000	.000

301000089510000 LAKE PONTCHARTRAIN 0.9 MILE NORTH OF POINTE AUX HERBES, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DI- AZINON, TOTAL (UG/L)	DI- FLORIN TOTAL (UG/L)	ENDU- SULFAN, TOTAL (UG/L)	ENDRI- N, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
JUN											
04...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
05...	--	--	--	--	--	--	--	--	--	--	--
06...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
07...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
08...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
12...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
13...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
14...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL THI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL THI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUN											
04...	.00	.00	.00	.00	.0	.00	--	--	--	6.32	.000
05...	--	--	--	--	--	--	--	--	--	8.12	.000
06...	.00	.00	.00	.00	.0	.00	.03	.01	.00	6.69	.000
07...	.00	.00	.00	.00	.0	.00	--	--	--	10.5	.000
08...	--	--	--	--	--	--	--	--	--	10.3	.000
09...	--	--	--	--	--	--	--	--	--	4.16	.000
10...	--	--	--	--	--	--	--	--	--	8.44	.000
11...	--	--	--	--	--	--	--	--	--	6.54	.000
12...	.00	.00	.00	.00	.0	.00	.04	.02	.00	9.36	.000
13...	.00	.00	.00	.00	.0	.00	.04	.00	.00	5.92	.000
14...	.00	.00	.00	.00	.0	.00	.03	.01	.00	9.86	.000

MISSISSIPPI RIVER DELTA

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 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COHAULT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HK)	OXYGEN-DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMEDIATE (CULS. PER 100 ML)	COLI-FORM, FECAL, UM-MF (CULS./100 ML)	HAND-NESS (MG/L AS CAC03)
OCT												
30...	0910	6440	7.7	10	2	<1.0	8.0	100	.8	720	<5	660
NOV												
20...	1035	6050	7.6	5	2	<1.0	8.6	50	.7	200	<5	620
DEC												
18...	0958	6940	7.8	5	7	<1.0	--	150	--	K130	K2	760
JAN												
26...	1010	5320	7.7	10	5	<1.0	11.1	140	2.2	K380	K32	530
FEB												
22...	1020	4970	7.4	20	15	<1.0	10.4	9	2.7	K1900	220	500
MAR												
15...	1120	4170	7.4	20	40	<1.0	9.1	--	1.3	290	K12	420
APR												
20...	1220	3070	7.6	10	10	<1.0	7.7	51	1.0	K6	<2	300
21...	1115	3410	7.5	10	10	<1.0	7.9	45	1.4	K24	K2	350
23...	1120	2960	7.5	10	20	<1.0	7.0	50	1.5	680	100	300
24...	1050	1790	7.2	30	35	<1.0	8.2	31	1.0	K16	<10	170
25...	1040	1960	7.1	40	15	<1.0	7.2	34	.9	560	K270	190
26...	1310	2580	7.5	20	20	<1.0	8.2	38	1.9	K16	K10	260
27...	1105	2540	7.2	30	10	<1.0	7.2	39	1.1	46	K18	250
28...	1125	3590	7.1	10	10	<1.0	8.3	39	.9	K24	K10	350
29...	1110	3510	7.2	5	10	<1.0	7.8	30	.3	K16	<2	340
30...	1455	3390	7.2	20	15	<1.0	8.4	40	.7	1300	K14	340
MAY												
01...	1525	3570	7.4	15	5	<1.0	7.8	39	.7	620	K16	360
02...	1245	3190	7.5	20	15	<1.0	8.3	35	1.9	K56	<4	330
04...	1025	1705	7.6	10	20	<1.0	8.0	22	.4	K8	<2	220
05...	1105	2130	7.5	20	15	<1.0	8.1	26	1.3	72	K4	230
06...	1025	1810	6.9	70	5	<1.0	5.4	36	.6	K72	22	190
07...	1230	1340	7.7	30	15	<1.0	8.0	23	1.3	K12	<4	190
08...	1125	1160	7.7	15	20	<1.0	8.5	15	1.1	<4	<4	160
09...	1255	1140	8.2	15	15	<1.0	10.0	19	3.1	K16	<4	160
10...	1255	1140	8.3	20	15	<1.0	9.5	23	2.7	K20	<4	150
11...	1045	1090	8.1	20	15	<1.0	11.8	23	4.6	400	<4	160
12...	1025	1060	7.9	25	25	<1.0	7.3	24	.9	K12	<4	150
15...	1010	1140	7.7	20	15	<1.0	8.1	20	.0	K17	<4	150
16...	1115	1200	7.7	20	15	<1.0	8.6	27	.8	310	<4	150
17...	1015	1240	7.4	40	8	<1.0	5.2	15	.9	1500	K24	150
18...	1015	1310	7.4	30	8	<1.0	7.2	27	1.0	K3400	K18	150
19...	0835	1250	7.6	15	10	<1.0	8.1	27	2.0	500	<2	150
20...	0835	1990	7.8	40	7	<1.0	8.4	37	2.2	1500	K4	210
21...	1055	1250	7.7	20	10	<1.0	7.5	24	.6	K4	<2	150
24...	0945	1520	8.2	30	10	<1.0	7.6	25	1.5	1300	K4	170
25...	1030	1400	7.1	40	15	<1.0	8.1	24	1.9	<4	<2	160
29...	1105	1450	7.7	20	15	<1.0	8.2	22	1.2	<4	<2	160
30...	0920	1740	7.8	15	30	<1.0	7.8	22	.0	<4	<2	190
31...	1000	1440	7.5	15	30	<1.0	7.7	20	.8	<4	<2	160

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS, NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 30...	610	48	130	1100	77	19	47	53	0	43	290	1900
NOV 20...	570	49	120	970	76	17	43	51	0	42	270	1800
DEC 18...	710	58	150	1200	76	19	54	63	0	52	330	2100
JAN 26...	490	36	106	880	77	17	42	50	0	41	225	1600
FEB 22...	460	41	97	820	76	16	39	46	0	38	220	1400
MAR 15...	380	38	80	680	76	14	29	50	0	41	190	1200
APR 20...	270	27	57	480	76	12	24	35	0	29	140	880
21...	320	29	67	540	76	13	25	36	0	30	160	910
23...	260	26	56	510	77	13	22	53	0	43	36	950
24...	150	16	32	270	76	9.0	13	24	0	20	78	490
25...	170	17	35	310	77	9.9	15	24	0	20	92	520
26...	230	22	49	420	76	11	20	30	0	25	120	760
27...	220	22	47	400	76	11	18	38	0	31	110	690
28...	320	30	67	570	76	13	26	42	0	34	160	1000
29...	310	29	66	540	76	13	25	40	0	33	150	1000
30...	300	28	65	540	76	13	24	40	0	33	140	930
MAY 01...	330	30	70	560	75	13	26	36	0	30	150	1000
02...	290	28	62	500	77	12	24	39	0	32	130	920
04...	170	32	33	260	71	7.7	13	58	0	48	80	460
05...	190	28	40	330	74	9.4	17	54	0	44	99	600
06...	170	20	35	280	74	8.7	13	34	0	28	73	500
07...	140	35	25	190	67	6.0	11	59	0	48	63	350
08...	100	25	23	170	69	5.9	9.0	66	0	54	60	290
09...	100	26	22	160	68	5.6	9.4	67	0	55	60	290
10...	97	25	22	160	68	5.6	8.7	68	0	56	58	270
11...	100	26	22	140	65	5.0	8.8	65	0	53	57	270
12...	91	24	21	150	67	5.4	8.7	67	0	55	56	260
15...	100	22	23	170	70	6.0	8.8	58	0	48	62	290
16...	100	22	23	180	71	6.4	9.3	55	0	45	59	310
17...	110	19	24	200	73	7.2	9.5	48	0	39	54	360
18...	110	20	24	190	72	6.8	9.7	51	0	42	60	350
19...	110	21	24	180	71	6.4	9.6	56	0	46	60	320
20...	170	48	22	320	75	9.6	14	49	0	40	89	540
21...	110	19	25	190	72	6.7	9.9	50	0	41	59	330
24...	130	20	28	230	74	7.8	11	49	0	40	65	400
25...	120	18	27	200	72	7.0	11	44	0	36	63	370
29...	120	19	27	210	73	7.3	11	42	0	34	70	370
30...	160	21	34	270	74	8.5	13	44	0	36	84	470
31...	130	20	27	220	73	7.5	11	43	0	35	67	370

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED TOTAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
OCT											
30...	20	.01	.00	.01	.53	.02	1	0	1	0	0
NOV											
20...	4	.01	.01	.02	.64	.04	1	0	1	0	0
DEC											
18...	5	.01	.00	.01	.72	.05	2	0	2	10	0
JAN											
26...	--	.02	.02	.04	.46	.04	1	1	0	0	0
FEB											
22...	19	.02	.00	.02	.49	.06	1	0	1	10	10
MAR											
15...	49	--	--	--	--	--	2	1	1	0	0
APR											
20...	10	.04	.02	.06	.45	.02	0	0	0	0	0
21...	53	.01	.00	.01	.53	.02	1	1	0	0	0
23...	39	.05	.00	.05	.49	.04	1	1	0	0	0
24...	29	.08	.02	.10	.42	.06	1	1	0	1	0
25...	16	.05	.02	.07	.44	.04	1	0	1	0	0
26...	23	.03	.02	.05	.40	.04	1	1	0	0	0
27...	4	.03	.02	.05	.44	.03	0	0	0	0	0
28...	14	.00	.00	.00	.53	.04	1	1	0	0	0
29...	14	.01	.04	.05	.50	.02	0	0	0	0	0
30...	19	.00	.02	.02	.39	.04	1	1	0	0	0
MAY											
01...	0	.01	.00	.01	.43	.03	0	0	0	0	0
02...	12	.05	.02	.07	.40	.04	1	0	1	0	0
04...	62	.75	.04	.79	.66	.05	1	0	1	0	0
05...	10	.54	.08	.62	.49	.04	1	0	1	0	0
06...	3	.17	.02	.19	.31	.03	1	0	1	0	0
07...	12	.66	.10	.76	.40	.05	1	0	1	0	0
08...	11	.90	.08	.98	.60	.07	1	0	1	0	0
09...	19	.86	.02	.88	.42	.07	1	0	1	0	0
10...	7	.82	.02	.84	.51	.04	1	0	1	0	0
11...	15	.75	.02	.77	.36	.05	1	0	1	0	0
12...	21	.79	.02	.81	.55	.06	1	0	1	0	0
13...	16	.68	.02	.70	.58	.03	1	0	1	0	0
14...	10	.53	.02	.55	.80	.04	1	0	1	0	0
17...	4	1.6	.02	1.6	.81	.08	1	0	1	0	0
18...	5	.30	.02	.32	.44	.04	1	1	0	0	0
19...	18	.35	.02	.37	.48	.05	1	0	1	0	0
20...	6	.07	.00	.07	.51	.02	1	0	1	0	0
21...	11	.37	.02	.39	.57	.03	1	0	1	0	0
24...	12	.00	.02	.02	.45	.03	1	1	0	0	0
25...	10	.21	.02	.23	.42	.03	1	0	1	10	10
29...	9	.24	.02	.26	.41	.03	1	1	0	0	0
30...	31	.26	.02	.28	.42	.03	1	1	0	0	0
31...	12	.20	.02	.22	.49	.03	1	0	1	0	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CH)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CH)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT											
30...	0	0	0	0	0	0	2	1	1	20	3
NOV											
20...	0	0	0	0	0	0	0	0	0	10	0
DEC											
18...	10	0	0	0	10	3	3	1	2	10	7
JAN											
26...	0	0	0	0	10	0	5	0	5	290	6
FEB											
22...	0	0	0	0	20	0	5	2	3	30	1
MAR											
15...	0	1	1	0	10	0	2	1	1	10	13
APR											
20...	0	0	0	0	0	0	2	2	0	10	15
21...	0	0	0	0	10	0	5	4	1	0	4
23...	0	0	0	0	0	0	6	5	1	0	23
24...	1	1	0	1	0	0	8	8	0	60	28
25...	0	0	0	0	0	0	4	1	3	90	13
26...	0	0	0	0	10	0	8	4	4	50	32
27...	0	0	0	0	10	0	4	3	1	40	18
28...	0	0	0	0	10	0	4	1	3	20	18
29...	0	0	0	0	10	0	14	13	1	10	27
30...	0	0	0	0	0	0	4	3	1	20	15
MAY											
01...	0	1	1	0	0	0	1	0	1	40	7
02...	0	0	0	0	0	0	2	2	0	0	3
04...	0	0	0	0	10	0	3	3	0	0	7
05...	0	1	1	0	10	0	4	4	0	0	120
06...	0	1	1	0	10	0	2	2	0	140	4
07...	0	1	1	0	10	0	2	2	0	40	5
08...	0	0	0	0	10	0	5	4	1	10	5
09...	0	1	1	0	0	0	2	2	0	20	4
10...	0	0	0	0	0	0	7	6	1	20	7
11...	0	0	0	0	0	0	4	3	1	10	3
12...	0	0	0	0	10	0	3	3	0	10	4
15...	0	0	0	0	0	0	4	3	1	60	4
16...	0	0	0	0	10	0	4	3	1	20	10
17...	0	0	0	0	0	0	4	3	1	160	5
18...	0	0	0	0	10	0	16	15	1	70	11
19...	0	1	0	1	0	0	5	4	1	10	5
20...	0	0	0	0	10	0	4	3	1	10	6
21...	0	0	0	0	10	0	4	3	1	20	4
24...	0	1	1	0	0	0	4	2	2	30	68
25...	0	0	0	0	0	0	4	2	2	20	12
29...	0	1	0	1	0	0	3	0	3	10	8
30...	0	0	0	0	10	0	4	2	2	0	12
31...	0	0	0	0	0	0	4	2	2	10	6

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDED RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT												
30...	3	0	.0	.0	.0	3	0	3	1	0	1	20
NOV												
20...	0	0	.0	.0	.0	0	0	0	1	0	1	20
DEC												
18...	5	2	.0	.0	.0	6	3	3	1	0	1	20
JAN												
20...	6	0	.0	.0	.0	2	0	2	0	0	0	20
FEB												
22...	0	1	.0	.0	.0	2	0	2	0	0	0	20
MAR												
15...	13	0	.0	.0	.0	2	2	0	0	0	0	20
APR												
20...	15	0	.0	.0	.0	0	0	0	0	0	0	20
21...	4	0	.0	.0	.0	4	4	0	0	0	0	20
23...	23	0	.0	.0	.0	2	2	0	1	1	0	20
24...	28	0	.0	.0	.0	2	2	0	0	0	0	20
25...	12	1	.0	.0	.0	4	4	0	1	0	1	20
26...	32	0	.0	.0	.0	4	4	0	0	0	0	20
27...	18	0	.0	.0	.0	3	3	0	0	0	0	20
28...	17	1	.0	.0	.0	4	4	0	0	0	0	20
29...	27	0	.3	.3	.0	4	2	2	0	0	0	30
30...	15	0	.1	.0	.1	3	3	0	0	0	0	20
MAY												
01...	7	0	.0	.0	.0	4	4	0	0	0	0	10
02...	3	0	.0	.0	.0	4	1	3	0	0	0	20
04...	7	0	.2	.1	.1	1	0	1	0	0	0	20
05...	120	0	.1	.0	.1	3	2	1	0	0	0	20
06...	4	0	.0	.0	.0	6	2	4	0	0	0	20
07...	5	0	.1	.1	.0	4	0	4	0	0	0	10
08...	5	0	.0	.0	.0	3	3	0	1	1	0	20
09...	4	0	.1	.1	.0	4	0	4	1	1	0	10
10...	7	0	.0	.0	.0	5	5	0	0	0	0	10
11...	3	0	.0	.0	.0	4	4	0	0	0	0	10
12...	4	0	.1	.1	.0	8	8	0	0	0	0	10
15...	4	0	.0	.0	.0	3	3	0	0	0	0	20
16...	10	0	.0	.0	.0	4	4	0	1	1	0	10
17...	5	0	.0	.0	.0	3	3	0	0	0	0	10
18...	11	0	1.4	1.4	.0	5	5	0	0	0	0	60
19...	5	0	.0	.0	.0	4	4	0	0	0	0	10
20...	6	0	.0	.0	.0	3	3	0	0	0	0	10
21...	4	0	.0	.0	.0	3	3	0	0	0	0	10
24...	67	1	.0	.0	.0	5	3	2	0	0	0	10
25...	11	1	.0	.0	.0	3	1	2	0	0	0	10
29...	7	1	.0	.0	.0	4	2	2	0	0	0	10
30...	11	1	.0	.0	.0	5	3	2	0	0	0	10
31...	5	1	.0	.0	.0	3	1	2	0	0	0	10

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
OCT												
30...	0	20	5.0	.00	0	0	.0	.00	.000	.0	.000	.000
NOV												
20...	0	20	5.0	.00	4	0	.0	.00	.000	.0	.000	.000
DEC												
18...	0	20	5.7	.00	0	0	.0	--	.000	.0	.000	.000
JAN												
26...	10	10	6.3	.00	0	0	.0	--	.000	.0	.000	.000
FEB												
22...	10	10	9.6	.00	0	0	.0	--	.000	.0	.000	.000
MAR												
15...	0	20	--	--	--	--	.0	--	.000	.0	.000	.000
APR												
20...	10	10	5.4	.00	14	0	.0	.00	.000	.0	.000	.000
21...	10	10	--	.00	1	0	.0	.00	.000	.0	.000	.000
23...	10	10	9.8	.00	1	0	.0	.00	.000	.0	.000	.000
24...	20	3	7.1	.00	5	0	.0	.00	.000	.0	.000	.000
25...	10	10	9.7	.00	2	0	.0	.00	.000	.0	.000	.000
26...	10	10	7.0	.00	1	0	.0	.00	.000	.0	.000	.000
27...	10	10	8.7	.00	0	0	.0	.00	.000	.0	.000	.000
28...	0	20	6.0	.00	1	0	.0	.00	.000	.0	.000	.000
29...	20	10	6.1	.00	3	0	.0	.00	.000	.0	.000	.000
30...	10	10	8.2	.00	5	0	.0	.00	.000	.0	.000	.000
MAY												
01...	0	10	6.1	.00	5	0	.0	.00	.000	.0	.000	.000
02...	10	10	6.5	.00	1	--	.0	.00	.000	.0	.000	.000
04...	10	10	5.9	.00	1	--	--	--	--	--	--	--
05...	10	10	5.2	.00	1	0	.0	.00	.000	.0	.000	.000
06...	10	10	12	.00	1	0	.0	.00	.000	.0	.000	.000
07...	0	10	5.6	.00	1	0	--	--	--	--	--	--
08...	10	10	5.0	.00	2	--	.0	.00	.000	.0	.000	.000
09...	0	10	13	.00	1	--	.0	.00	.000	.0	.000	.000
10...	0	10	6.6	.00	2	--	.0	.00	.000	.0	.000	.000
11...	0	10	5.1	.00	0	--	.0	.00	.000	.0	.000	.000
12...	0	10	6.1	.00	1	--	.0	.00	.000	.0	.000	.000
15...	10	10	7.1	.00	0	--	--	--	--	--	--	--
16...	0	10	7.2	.00	0	--	.0	.00	.000	.0	.000	.000
17...	0	10	4.9	.00	2	--	.0	.00	.000	.0	.000	.000
18...	50	10	8.8	.00	0	--	.0	.00	.000	.0	.000	.000
19...	0	10	7.7	.00	0	--	.0	.00	.000	.0	.000	.000
20...	0	10	11	.00	2	--	.0	.00	.000	.0	.000	.000
21...	0	10	--	.00	0	--	.0	.00	.000	.0	.000	.000
24...	0	10	9.1	.00	2	0	.0	.00	.000	.0	.000	.000
25...	0	10	7.8	.00	3	0	.0	.00	.000	.0	.000	.000
29...	0	10	6.3	.00	2	0	.0	.00	.000	.0	.000	.000
30...	0	10	6.4	.00	2	2	.0	.00	.000	.0	.000	.000
31...	0	10	9.8	.00	3	0	.0	.00	.000	.0	.000	.000

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DIT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDORIN, TOTAL (UG/L)	ENDOS- SULFAN, TOTAL (UG/L)	ENDOSIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT												
30...	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
NOV												
20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
18...	.000	.02	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
JAN												
20...	.001	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB												
22...	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
MAR												
15...	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
APR												
20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
23...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
24...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
25...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
27...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
28...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
29...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
30...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY												
01...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
02...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
06...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
09...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
10...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
11...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
12...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
15...	--	--	--	--	--	--	--	--	--	--	--	--
16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
17...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
18...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
24...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
25...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
29...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
30...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
31...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT											
30...	.00	.00	.00	.00	.0	.00	.03	.00	.00	3.09	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.76	.323
DEC											
18...	.00	.00	.00	.00	.0	.00	.00	.00	.00	12.7	.000
JAN											
26...	.00	.00	.00	.00	.0	.00	.03	.00	.00	4.43	.000
FEB											
22...	.00	.00	.00	.00	.0	.00	.02	.00	.00	21.5	.000
MAR											
15...	.00	.00	.00	.00	.0	.00	.03	.01	.00	13.3	.000
APR											
20...	.00	.00	.00	.00	.0	.00	.01	.01	.00	5.08	.000
21...	.00	.00	.00	.00	.0	.00	.01	.01	.00	4.33	.000
23...	.00	.00	.00	.00	.0	.00	.01	.01	.00	3.58	.000
24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.52	.000
25...	.00	.00	.00	.00	.0	.00	.02	.00	.00	4.42	.000
26...	.00	.00	.00	.00	.0	.00	--	--	--	7.38	.000
27...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.51	.000
28...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.0	.000
29...	.00	.00	.00	.00	.0	.00	--	--	--	5.59	.000
30...	.00	.00	.00	.00	.0	.00	--	--	--	2.99	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.02	.000
02...	.00	.00	.00	.00	.0	.00	--	--	--	8.61	.000
04...	--	--	--	--	--	--	--	--	--	7.08	.000
05...	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.23	.000
06...	.00	.00	.00	.00	.0	.00	--	--	--	4.11	.000
07...	--	--	--	--	--	--	--	--	--	13.8	1.56
08...	.00	.00	.00	.00	.0	.00	.01	.00	.00	13.1	.000
09...	.00	.00	.00	.00	.0	.00	.02	.00	.00	33.2	7.03
10...	.00	.00	.00	.00	.0	.00	--	--	--	37.7	7.51
11...	.00	.00	.00	.00	.0	.00	--	--	--	37.9	7.97
12...	.00	.00	.00	.00	.0	.00	.03	.02	.00	10.9	.000
15...	--	--	--	--	--	--	--	--	--	9.86	.000
16...	.00	.00	.00	.00	.0	.00	.02	.01	.00	16.8	.000
17...	.00	.00	.00	.00	.0	.00	.01	.00	.00	6.38	.000
18...	.00	.00	.00	.00	.0	.00	.01	.01	.00	8.93	.000
19...	.00	.00	.00	.00	.0	.00	.03	.01	.00	17.8	.000
20...	.00	.00	.00	.00	.0	.00	--	--	--	20.6	.000
21...	.00	.00	.00	.00	.0	.00	--	--	--	11.1	.000
24...	.00	.00	.00	.00	.0	.00	.02	.01	.00	12.9	.000
25...	.00	.00	.00	.00	.0	.00	.02	.01	.00	13.0	.000
29...	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.92	.000
30...	.00	.00	.00	.00	.0	.00	.02	.01	.00	6.81	.000
31...	.00	.00	.00	.00	.0	.00	.03	.01	.00	8.33	.000

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)
JUN												
01...	0940	1450	7.7	30	15	<1.0	8.6	24	1.1	<4	<2	150
02...	0955	1380	7.8	40	10	<1.0	8.4	28	1.0	130	--	150
03...	0910	1410	7.7	30	10	<1.0	7.3	21	1.6	K48	<2	160
04...	1140	930	6.9	80	9	<1.0	6.7	20	.5	210	48	100
05...	1010	1530	7.5	15	10	<1.0	7.0	17	--	K110	<4	170
06...	1050	1560	7.4	10	8	<1.0	7.5	19	.8	K24	<4	170
07...	1020	1430	7.4	20	20	<1.0	7.4	25	1.1	K12	<10	150
08...	1045	1390	7.6	15	7	<1.0	7.1	17	.4	K12	<2	150
09...	1030	1380	7.6	10	8	<1.0	7.1	25	.5	K8	<2	150
10...	1010	1370	7.6	15	7	<1.0	8.3	25	1.0	K4	<2	150
11...	1155	1270	7.5	40	9	<1.0	7.8	23	.7	450	K16	--
12...	1115	1350	7.5	30	6	<1.0	7.6	18	.8	K10	K1	130
13...	1045	1450	7.5	10	10	<1.0	7.8	--	.6	<10	<1	--
14...	1005	1420	7.5	15	6	<1.0	8.0	20	.7	K10	<1	150
JUL												
18...	1135	2750	7.3	10	8	<1.0	7.3	29	.3	K40	<2	330
AUG												
15...	1105	2760	7.3	15	10	<1.0	7.0	26	.8	K8	<2	300
SEP												
04...	1435	2430	7.5	20	5	<1.0	7.8	25	.6	K16	<2	280

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
JUN												
01...	120	19	26	210	73	7.4	12	48	0	39	70	370
02...	110	19	25	240	76	8.5	11	51	0	42	67	--
03...	110	20	26	210	74	7.3	5.7	54	0	44	69	360
04...	76	14	16	150	88	6.5	6.9	30	0	25	43	240
05...	140	19	30	240	74	8.0	12	42	0	34	75	400
06...	140	19	30	230	73	7.7	12	42	0	34	76	410
07...	120	17	25	230	76	8.3	9.8	42	0	34	68	400
08...	110	18	25	200	73	7.2	11	49	0	40	73	360
09...	100	17	25	220	75	7.9	11	50	0	41	73	370
10...	110	19	25	200	73	7.1	11	51	0	42	75	360
11...	--	--	--	--	--	--	--	44	0	36	--	330
12...	91	12	24	210	76	8.1	11	46	0	38	68	360
13...	--	--	--	--	--	--	--	50	0	41	--	--
14...	110	18	25	220	75	7.9	11	48	0	39	73	380
JUL												
18...	270	30	61	450	74	11	21	67	0	55	150	760
AUG												
15...	260	26	57	460	76	12	21	50	0	41	150	760
SEP												
04...	240	29	51	380	73	9.8	19	57	0	47	140	690

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
JUN											
01...	15	.12	.02	.14	.20	.02	1	1	0	0	0
02...	6	.22	.02	.24	.30	.02	1	0	1	0	0
03...	14	.00	.02	.02	.42	.04	1	0	1	0	0
04...	5	.11	.02	.13	.51	.03	1	0	1	0	0
05...	12	.21	.02	.23	.39	.03	1	0	1	0	0
06...	8	.22	.02	.24	.34	.02	1	0	1	0	0
07...	15	.03	.02	.05	.48	.03	1	1	0	0	0
08...	7	.22	.02	.24	.40	.05	1	1	0	0	0
09...	13	.20	.02	.22	.55	.07	1	1	0	0	0
10...	9	.23	.02	.25	.42	.01	0	0	0	0	0
11...	--	.14	.02	.16	.52	.03	--	--	--	--	--
12...	5	.16	.02	.18	.36	.04	1	0	1	1	0
13...	--	--	--	--	--	--	--	--	--	--	--
14...	9	.20	.02	.22	.28	.02	1	0	1	1	0
JUL											
18...	11	.10	.12	.22	.43	.03	1	0	1	0	0
AUG											
15...	11	.00	.02	.02	.48	.07	1	0	1	0	0
SEP											
04...	3	.02	.00	.02	.52	.03	1	0	1	10	10

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
JUN											
01...	0	1	0	1	0	0	3	1	2	20	6
02...	0	1	0	1	10	0	3	0	3	10	6
03...	0	1	0	1	0	0	3	1	2	10	6
04...	0	0	0	2	0	0	2	0	3	270	4
05...	0	1	0	1	10	0	3	1	2	20	3
06...	0	1	0	1	10	0	2	1	1	10	2
07...	0	1	0	1	10	0	3	2	1	20	4
08...	0	1	0	1	0	0	2	1	1	30	2
09...	0	1	0	1	10	0	3	2	1	10	3
10...	0	1	0	1	0	0	2	2	0	10	2
11...	--	--	--	--	--	--	--	--	--	--	--
12...	1	1	0	1	10	0	2	0	2	20	19
13...	--	--	--	--	--	--	--	--	--	--	--
14...	1	1	0	1	0	0	2	0	2	10	4
JUL											
18...	0	0	0	0	0	0	3	1	2	10	6
AUG											
15...	0	1	1	0	20	0	1	0	1	0	0
SEP											
04...	0	0	0	0	10	0	2	0	2	0	1

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDEU RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDEU RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDEU RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDEU TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
JUN												
01...	6	0	.1	.1	.0	2	1	1	0	0	0	20
02...	6	0	.0	.0	.0	3	0	3	0	0	0	10
03...	6	0	.0	.0	.0	2	0	2	0	0	0	20
04...	4	0	.0	.0	.0	4	2	2	0	0	0	10
05...	3	0	.0	.0	.0	2	0	2	0	0	0	10
06...	1	1	.0	.0	.0	5	2	3	0	0	0	10
07...	4	0	.0	.0	.0	4	0	4	0	0	0	10
08...	2	0	.0	.0	.0	4	0	4	0	0	0	10
09...	2	1	.0	.0	.0	7	4	3	0	0	0	30
10...	1	1	.0	.0	.0	4	0	4	0	0	0	10
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	19	0	.0	.0	.0	4	0	4	0	0	0	10
13...	--	--	--	--	--	--	--	--	--	--	--	--
14...	4	0	.0	.0	.0	4	0	4	0	0	0	10
JUL												
18...	6	0	.1	.0	.1	2	0	2	0	0	0	30
AUG												
15...	0	0	.0	.0	.0	4	4	0	0	0	0	10
SEP												
04...	1	0	.1	.1	.0	2	2	0	0	0	0	10

DATE	ZINC, SUS- PENDEU RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
JUN												
01...	10	10	9.3	.00	1	0	.0	.00	.000	.0	.000	.000
02...	0	10	7.2	.00	2	1	.0	.00	.000	.0	.000	.000
03...	10	10	8.8	.00	0	0	.0	.00	.000	.0	.000	.000
04...	0	10	12	.00	1	--	.0	.00	.000	.0	.000	.000
05...	0	10	6.7	.00	1	--	--	--	--	--	--	--
06...	0	10	6.1	.00	2	--	.0	.00	.000	.0	.000	.000
07...	0	10	11	.00	2	--	.0	.00	.000	.0	.000	.000
08...	0	10	7.6	.00	1	--	--	--	--	--	--	--
09...	20	10	--	.00	2	--	--	--	--	--	--	--
10...	0	10	--	.00	1	--	--	--	--	--	--	--
11...	--	--	--	.00	2	--	--	--	--	--	--	--
12...	7	3	--	.00	1	--	.0	.00	.000	.0	.000	.000
13...	--	--	--	--	--	--	.0	.00	.000	.0	.000	.000
14...	7	3	--	.00	4	--	.0	.00	.000	.0	.000	.000
JUL												
18...	20	10	6.6	.00	0	--	.0	.00	.000	.0	.000	.000
AUG												
15...	0	7	--	.00	2	0	.0	.00	.000	.0	.000	.000
SEP												
04...	0	10	--	.00	0	--	.0	.00	.000	.0	.000	.000

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- FLURIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
JUN												
01...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
02...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
03...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
05...	--	--	--	--	--	--	--	--	--	--	--	--
06...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
07...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
08...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
13...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
14...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL												
18...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG												
15...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP												
04...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHROMO- FLUOROM (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)
JUN												
01...	.00	.00	.00	.00	.0	.00	.31	.00	.00	7.32	.000	.000
02...	.00	.00	.00	.00	.0	.00	.28	.01	.00	9.40	.000	.000
03...	.00	.00	.00	.00	.0	.00	.20	.01	.00	15.1	.000	.000
04...	.00	.00	.00	.00	.0	.00	--	--	--	8.05	.000	.000
05...	--	--	--	--	--	--	--	--	--	5.33	.000	.000
06...	.00	.00	.00	.00	.0	.00	.03	.01	.00	5.59	.000	.000
07...	.00	.00	.00	.00	.0	.00	--	--	--	7.70	.000	.000
08...	--	--	--	--	--	--	--	--	--	5.65	.000	.000
09...	--	--	--	--	--	--	--	--	--	5.52	.000	.000
10...	--	--	--	--	--	--	--	--	--	6.32	.000	.000
11...	--	--	--	--	--	--	--	--	--	9.00	.000	.000
12...	.00	.00	.00	.00	.0	.00	.08	.01	.00	3.83	.000	.000
13...	.00	.00	.00	.00	.0	.00	.04	.00	.00	5.93	.000	.000
14...	.00	.00	.00	.00	.0	.00	.06	.00	.00	5.22	.000	.000
JUL												
18...	.00	.00	.00	.00	.0	.00	.04	.01	.00	13.6	.000	.000
AUG												
15...	.00	.00	.00	.00	.0	.00	.02	.00	.00	6.44	.000	.000
SEP												
04...	.00	.00	.00	.00	.0	.00	.02	.00	.00	8.36	.000	.000

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNTA 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 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COALIT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN DEMAND, UNOXYGENATED (MG/L)	CHEMICAL OXYGEN DEMAND, (HIGH LEVEL) (MG/L)	BIOLOGICAL OXYGEN DEMAND, 5 DAY (MG/L)	COLIFORMS, TOTAL, IMMEDIATE (COLS./100 ML)	FECAL COLIFORMS, UM-F (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT												
30...	0850	2450	7.4	20	2	<1.0	8.8	53	.2	1500	<5	230
NOV												
20...	1020	6710	7.8	5	2	<1.0	8.4	35	1.2	720	<5	670
DEC												
18...	0935	4880	7.5	10	3	<1.0	11.6	96	1.2	320	K10	480
JAN												
26...	0955	110	6.2	60	30	<1.0	10.3	49	3.0	16000	K3400	12
FEB												
22...	0950	1970	7.0	40	15	<1.0	9.0	80	1.3	940	740	210
MAR												
15...	1100	1990	6.9	50	20	<1.0	8.7	36	7.7	5600	K16	210
APR												
16...	1015	1360	7.0	80	20	<1.0	6.4	31	.0	K400	<4	98
19...	1340	1640	7.5	50	15	<1.0	8.3	29	1.6	<10	<4	160
20...	1150	599	7.1	70	10	<1.0	6.1	32	5.5	80	K12	62
21...	1030	1840	7.4	20	25	<1.0	7.4	32	.5	K30	K8	180
23...	1055	254	6.6	50	10	<1.0	4.6	24	.7	450	120	29
24...	1020	3320	7.5	15	30	<1.0	8.0	40	.7	K8	K4	340
25...	1005	66	5.7	50	20	<1.0	5.2	35	4.4	940	840	10
26...	1240	2360	7.8	30	8	<1.0	7.4	37	1.2	110	72	230
27...	1020	641	6.8	50	15	<1.0	3.9	37	2.1	K260	K80	63
28...	1040	1790	7.0	3	4	<1.0	6.0	35	--	K40	K1	240
29...	1035	1790	6.8	40	5	<1.0	--	32	.9	42	K20	170
30...	1430	790	7.0	60	10	<1.0	5.1	34	1.1	1200	46	79
MAY												
01...	1455	910	6.8	60	10	<1.0	4.9	30	.4	1400	K36	93
02...	1225	2610	7.1	15	20	<1.0	7.7	31	.6	150	K4	250
04...	0955	1331	6.5	60	5	<1.0	4.3	35	.3	K48	K16	130
05...	1035	799	6.5	80	4	<1.0	3.8	33	.9	300	48	79
06...	0950	826	6.4	80	5	<1.0	5.7	34	1.1	860	40	83
07...	1210	1890	7.4	30	9	<1.0	8.0	26	.9	<4	<4	200
08...	1055	2460	7.2	30	2	<1.0	7.7	29	.8	K40	K4	250
09...	1220	773	6.7	70	6	<1.0	5.0	33	1.3	170	K52	74
10...	1220	939	6.3	80	3	<1.0	4.2	43	2.0	100	K40	94
11...	1030	2840	7.6	20	8	<1.0	7.7	34	1.3	420	K4	270
12...	0955	2690	7.7	15	10	<1.0	7.1	33	.9	K28	<4	270
15...	0935	1680	7.5	10	7	<1.0	7.5	18	.3	<4	<4	190
16...	1045	1480	7.3	15	8	<1.0	7.2	27	.1	230	<4	170
17...	0940	259	6.4	60	7	<1.0	3.7	31	1.9	1300	K48	30
18...	0940	463	6.6	70	7	<1.0	4.6	32	.8	4800	K34	51
19...	0810	1050	7.2	40	15	<1.0	7.9	26	1.0	K60	K2	110
20...	0810	2000	7.5	15	10	<1.0	8.0	28	1.0	100	K2	220
21...	1030	612	6.7	120	7	<1.0	5.3	47	1.5	K36	K10	63
22...	0840	494	6.8	120	9	<1.0	5.5	40	1.4	K28	K8	53
23...	1035	426	6.8	90	10	<1.0	5.6	39	1.5	K160	98	46
24...	0920	315	7.2	100	30	<1.0	7.6	25	1.6	210	<2	40

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)
MAY												
25...	1015	248	7.2	100	20	<1.0	7.3	25	.5	K4	K2	31
29...	1040	276	6.7	120	20	<1.0	6.6	31	1.4	K48	<2	34
30...	0900	244	7.1	70	20	<1.0	6.2	29	1.3	K4	<2	32
31...	0935	353	7.8	20	15	<1.0	7.8	13	1.4	K8	<2	110
JUN												
01...	0920	1160	7.3	50	30	<1.0	8.0	23	1.1	K32	<2	130
02...	0935	361	7.5	50	15	<1.0	8.1	30	1.7	220	--	74
03...	0830	331	7.8	30	7	<1.0	8.2	9	1.3	150	<2	85
04...	1110	299	6.5	120	9	<1.0	6.0	25	1.0	K64	K26	34
05...	0940	193	6.5	80	10	<1.0	6.4	27	.5	K12	<4	23
06...	1030	355	7.3	30	20	<1.0	7.4	260	1.2	<2	<2	58
07...	0955	323	7.3	40	25	<1.0	6.8	18	.6	K4	<10	70
08...	1020	429	7.0	50	25	<1.0	5.9	28	1.7	K8	K12	60
09...	1010	376	7.0	40	20	<1.0	6.2	28	.3	K32	K12	53
10...	0940	331	8.0	20	5	<1.0	8.7	17	1.2	K4	<2	110
11...	1135	966	7.2	40	10	<1.0	7.7	25	.9	K110	K18	110
12...	1055	779	6.9	80	10	<1.0	6.8	28	1.2	K50	K4	81
13...	1025	1480	7.4	10	10	<1.0	8.1	21	.9	<10	<1	160
14...	0935	813	6.9	40	9	<1.0	7.1	23	1.0	K100	K12	89
JUL												
18...	1110	1100	7.4	15	10	<1.0	7.5	18	1.1	160	<2	150
AUG												
15...	1040	570	6.7	60	50	<1.0	6.4	29	.4	K40	K5	71
SEP												
04...	1415	1710	7.2	40	10	<1.0	7.5	19	--	K8	K6	180

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS, NONCAR- BONATE (MG/L CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)	ALKA- LINITY (MG/L AS CaCO ₃)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)
OCT												
30...	200	19	45	380	76	11	18	34	0	28	91	710
NOV												
20...	620	53	130	1100	77	19	49	53	0	43	310	1900
DEC												
18...	450	39	94	800	76	16	47	43	0	35	240	1400
JAN												
26...	9	5	2.6	14	70	1.8	2.6	4	0	3	7.6	23
FEB												
22...	190	20	38	320	76	9.7	14	24	0	20	92	550
MAR												
15...	190	23	37	320	75	9.6	15	25	0	21	83	600
APR												
16...	71	16	14	200	80	8.8	9.9	32	0	26	56	350
19...	140	16	30	260	76	8.9	12	34	0	28	73	450
20...	46	6.5	11	89	74	4.9	4.9	19	0	16	25	150
21...	150	16	33	290	77	9.5	13	30	0	25	80	500
23...	18	3.6	4.9	37	71	3.0	2.7	14	0	11	14	60
24...	310	29	65	530	76	13	23	36	0	30	160	980
25...	5	1.3	1.6	6.5	53	0.9	1.9	6	0	5	4.8	14
26...	180	21	44	360	75	10	17	67	0	55	110	650
27...	50	6.9	11	90	74	5.0	5.3	15	0	12	26	170
28...	210	22	45	390	76	11	18	34	0	28	110	680
29...	150	16	36	270	76	9.0	12	26	0	21	74	490
30...	65	8.5	14	120	75	5.9	6.2	17	0	14	33	210
MAY												
01...	79	11	16	130	74	5.9	6.7	18	0	15	39	240
02...	220	25	45	420	77	12	20	33	0	27	110	740
04...	110	13	23	200	76	7.7	9.2	24	0	20	50	360
05...	64	8.5	14	120	75	5.9	5.5	18	0	15	30	210
06...	68	3.6	15	130	76	6.2	6.7	19	0	16	29	220
07...	180	23	35	300	75	9.2	15	29	0	24	77	530
08...	220	24	46	390	76	11	18	33	0	27	120	690
09...	58	8.2	13	120	76	6.1	5.9	20	0	16	31	210
10...	76	9.8	17	140	75	6.3	6.8	22	0	18	36	240
11...	240	25	50	440	77	12	20	40	0	33	120	780
12...	240	25	50	430	76	11	19	40	0	33	130	760
15...	150	22	32	260	74	8.3	12	50	0	41	88	460
16...	140	20	30	220	72	7.3	11	45	0	37	71	380
17...	15	4.0	4.8	36	70	2.9	2.6	18	0	15	12	59
18...	35	6.7	8.3	66	72	4.0	4.0	20	0	16	19	110
19...	91	13	20	160	74	6.5	8.3	29	0	24	46	280
20...	180	22	39	320	75	9.5	15	44	0	36	94	590
21...	46	7.1	11	96	75	5.3	5.4	21	0	17	24	160
22...	36	6.2	9.0	72	73	4.3	4.5	20	0	16	19	130
23...	30	5.4	7.9	60	72	3.9	4.3	19	0	16	18	100
24...	20	6.3	6.0	42	67	2.9	3.7	25	0	21	16	87
25...	12	4.6	4.8	32	66	2.5	3.2	23	0	19	8.9	54
29...	20	4.6	5.4	34	69	2.9	3.6	17	0	14	14	61
30...	15	4.6	4.9	30	69	2.8	3.4	20	0	16	14	56
31...	42	27	11	26	33	1.1	3.5	86	0	71	41	38
JUN												
01...	98	15	22	160	64	6.2	5.2	37	0	30	63	300
02...	30	15	8.8	39	52	2.0	3.7	53	0	43	26	59
03...	34	19	9.2	31	43	1.5	3.3	62	0	51	29	48
04...	21	4.9	5.3	42	71	3.1	3.0	16	0	13	14	71
05...	10	3.6	3.5	27	69	2.4	2.5	16	0	13	11	43
06...	16	9.1	8.5	40	58	2.3	3.6	51	0	42	29	59
07...	30	14	8.4	35	51	1.8	3.3	48	0	39	28	53
08...	30	9.1	9.0	57	66	3.2	4.2	36	0	30	28	91
09...	27	8.0	8.0	50	65	3.0	3.7	32	0	26	24	82
10...	37	24	11	23	32	1.0	1.7	83	0	68	39	30
11...	84	14	15	140	72	5.8	7.5	30	0	25	50	250
12...	60	9.5	14	120	75	5.8	6.2	26	0	21	36	200
13...	130	17	26	220	74	7.6	11	37	0	30	71	370
14...	70	9.4	16	120	73	5.5	6.2	23	0	19	35	210
JUL												
18...	97	21	23	160	69	5.7	8.9	61	0	50	63	260
AUG												
15...	42	12	10	81	64	4.0	5.2	35	0	29	30	140
SEP												
04...	140	21	32	270	73	4.0	14	48	0	39	85	460

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
OCT											
30...	12	.02	.00	.02	.61	.03	1	1	0	0	0
NOV											
20...	0	.01	.01	.02	.59	.04	1	0	1	0	0
DEC											
18...	0	.04	.01	.05	.43	.05	1	0	1	10	0
JAN											
26...	38	.23	.04	.27	.39	.09	1	1	0	0	0
FEB											
22...	17	.14	.02	.16	.50	.08	1	0	1	0	0
MAR											
15...	64	.13	.02	.15	.72	.05	1	1	0	0	0
APR											
16...	23	.25	.04	.29	1.2	.07	1	1	0	0	0
19...	10	.34	.02	.36	.67	.06	1	1	0	1	0
20...	0	.09	.02	.11	.65	.23	1	1	0	1	0
21...	41	.19	.02	.21	.52	.06	1	1	0	1	0
23...	29	.08	.02	.10	.53	.07	1	1	0	1	0
24...	41	.04	.00	.04	.47	.04	1	0	1	0	0
25...	13	.08	.02	.10	.53	.10	0	0	0	0	0
26...	13	.05	.02	.07	.48	.05	0	0	0	0	0
27...	14	.02	.04	.06	.56	.08	0	0	0	0	0
28...	9	.04	.02	.06	.57	.04	1	1	0	10	0
29...	9	.05	.02	.07	.56	.05	1	1	0	0	0
30...	14	.03	.04	.07	.55	.06	0	0	0	0	0
MAY											
01...	9	.04	.04	.08	.59	.06	1	1	1	0	0
02...	20	.06	.02	.08	.55	.04	1	0	1	0	0
04...	6	.03	.02	.05	.64	.04	1	0	1	0	0
05...	7	.00	.08	.08	.58	.06	1	0	1	0	0
06...	12	.03	.02	.05	.52	.07	1	0	1	0	0
07...	13	.04	.04	.08	.46	.06	1	1	0	0	0
08...	5	.00	.04	.04	.73	.05	1	0	1	0	0
09...	13	.05	.02	.07	.68	.07	1	0	1	0	0
10...	0	.03	.02	.05	.66	.06	1	0	1	0	0
11...	13	.01	.00	.01	.43	.03	1	0	1	0	0
12...	11	.05	.02	.07	.51	.03	1	0	1	0	0
15...	9	.45	.02	.47	.64	.01	1	1	0	1	0
16...	6	.43	.02	.45	.55	.03	1	0	1	0	0
17...	9	.08	.02	.10	.49	.09	1	0	1	0	0
18...	9	.09	.02	.11	.60	.08	1	0	1	0	0
19...	13	.22	.02	.24	.51	.07	1	0	1	0	0
20...	12	.31	.02	.33	.51	.03	1	0	1	0	0
21...	9	.06	.04	.10	.94	.10	1	0	1	0	0
22...	6	.05	.04	.10	.77	.10	1	0	1	0	0
23...	7	.11	.02	.13	.80	.09	1	0	1	0	0
24...	8	.20	.02	.22	.59	.10	1	1	0	0	0
25...	0	.18	.02	.20	.56	.10	2	1	1	0	0
29...	3	.11	.04	.15	.67	.10	1	0	1	0	0
30...	5	.11	.04	.15	.69	.10	1	0	1	0	0
31...	12	1.3	.02	1.3	.47	.07	1	0	1	0	0
JUN											
01...	17	.26	.06	.32	.01	.03	1	1	0	0	0
02...	17	.58	.02	.60	.12	.06	1	0	1	0	0
03...	7	.66	.04	.70	.49	.05	2	1	1	0	0
04...	10	.08	.06	.14	.75	.11	1	0	1	0	0
05...	11	.07	.02	.09	.51	.10	1	0	1	0	0
06...	12	.50	.06	.56	.49	.09	2	1	1	0	0
07...	23	.52	.06	.58	.50	.08	2	1	1	0	0
08...	22	.19	.10	.29	.41	.04	1	1	0	0	0
09...	18	.22	.06	.28	.78	.11	1	1	0	0	0
10...	13	1.0	.10	1.1	.78	.05	1	1	0	0	0
11...	10	.13	.06	.19	.68	.07	1	1	0	0	0
12...	7	.11	.04	.15	.48	.09	1	0	1	1	0
13...	8	.12	.02	.14	.41	.26	1	0	1	1	0
14...	9	.05	.02	.07	.43	.01	1	0	1	1	0
JUL											
18...	18	.20	.06	.26	.46	.14	2	1	1	1	0
AUG											
15...	25	.18	.08	.26	.46	.12	2	1	1	0	--
SEP											
04...	10	.00	.00	.00	.68	.04	1	0	1	0	0

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHRYL- LIUM, DIS- SOLVED (UG/L AS PF)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CU)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CU)	CADMIUM DIS- SOLVED (UG/L AS CU)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CH)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CH)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT											
30...	0	1	0	1	0	0	3	2	1	30	2
NOV											
20...	0	0	0	0	0	0	1	1	0	10	0
DEC											
18...	10	0	0	0	0	3	3	2	1	10	8
JAN											
26...	0	0	0	0	20	0	5	2	3	140	9
FEB											
22...	0	0	0	0	20	0	5	1	4	110	2
MAR											
15...	0	0	0	0	20	0	1	1	0	110	11
APR											
16...	0	0	0	0	10	0	4	2	2	30	12
19...	1	1	0	1	0	0	22	22	0	20	24
20...	1	1	0	1	0	0	13	12	1	200	34
21...	1	1	0	1	0	0	10	10	0	20	15
23...	1	1	0	1	0	0	5	4	1	160	10
24...	0	0	0	0	10	--	1	0	1	10	6
25...	0	0	0	0	0	0	8	4	4	260	27
26...	0	0	0	0	0	0	3	0	3	40	19
27...	0	0	0	0	0	0	5	2	3	220	19
28...	10	0	0	0	0	0	4	0	4	80	40
29...	0	0	0	0	10	0	3	2	1	140	46
30...	0	0	0	0	0	0	4	3	1	260	28
MAY											
01...	0	1	1	0	0	0	2	1	1	270	46
02...	0	0	0	0	0	0	2	2	0	20	5
04...	0	1	1	0	10	0	3	3	0	260	9
05...	0	1	1	0	10	0	2	2	0	270	4
06...	0	1	1	0	0	0	2	1	1	270	3
07...	0	1	1	0	10	0	2	1	1	50	0
08...	0	0	0	0	0	0	6	5	1	70	460
09...	0	1	1	0	0	0	2	1	1	280	4
10...	0	0	0	0	10	0	5	3	2	410	5
11...	0	0	0	0	0	0	4	3	1	10	4
12...	0	1	1	0	10	0	3	3	0	0	4
15...	0	0	0	0	0	0	2	1	1	10	3
16...	0	0	0	0	10	0	4	3	1	40	0
17...	0	0	0	0	0	0	2	0	2	350	7
18...	0	1	0	1	0	0	13	11	2	400	13
19...	0	0	0	0	10	0	4	3	1	100	18
20...	0	0	0	0	0	0	4	3	1	10	4
21...	0	0	0	0	0	0	2	1	1	580	4
22...	0	0	0	0	0	0	2	1	1	560	5
23...	0	0	0	0	10	0	4	3	1	320	7
24...	0	0	0	0	0	0	4	2	2	110	9
25...	0	0	0	0	0	0	4	1	3	140	16
29...	0	0	0	0	0	0	4	0	4	250	8
30...	0	0	0	0	10	0	4	1	3	340	9
31...	0	0	0	0	0	0	4	1	3	10	8
JUN											
01...	0	1	0	1	0	0	4	1	3	20	7
02...	0	1	0	1	0	0	3	1	2	50	7
03...	0	1	0	1	0	0	2	0	2	40	3
04...	0	3	0	3	0	0	5	0	5	410	6
05...	0	1	0	1	0	0	3	0	3	370	4
06...	0	1	0	1	10	0	3	2	1	90	12
07...	0	1	0	1	10	0	7	6	1	40	230
08...	0	1	0	1	0	0	3	2	1	50	28
09...	0	1	0	1	0	0	3	2	1	70	11
10...	0	1	0	1	0	0	3	3	0	10	3
11...	0	1	0	1	10	0	3	2	1	130	3
12...	1	1	0	1	10	0	4	1	3	130	14
13...	1	1	0	1	0	0	2	0	2	10	12
14...	1	1	0	1	0	0	3	0	3	230	15
JUL											
18...	1	1	0	1	10	0	2	0	2	0	3
AUG											
15...	--	1	--	--	0	0	4	2	2	420	0
SEP											
04...	0	0	0	0	10	0	2	0	2	10	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PH)	LEAD, DIS- SOLVED (UG/L AS PH)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT												
30...	2	0	.0	.0	.0	3	0	3	0	0	0	--
NOV												
20...	0	0	.0	.0	.0	0	0	0	1	0	1	--
DEC												
18...	8	0	.0	.0	.0	3	0	3	0	0	0	--
JAN												
25...	9	0	.0	.0	.0	5	5	0	0	0	0	.3
FEB												
22...	2	0	.0	.0	.0	3	1	2	0	0	0	--
MAR												
15...	11	0	.0	.0	.0	0	0	0	0	0	0	--
APR												
16...	12	0	.0	.0	.0	2	2	0	0	0	0	--
19...	24	0	.0	.0	.0	6	6	0	0	0	0	--
20...	34	0	.0	.0	.0	9	9	0	0	0	0	--
21...	15	0	.0	.0	.0	3	3	0	0	0	0	--
23...	10	0	.0	.0	.0	0	0	0	0	0	0	.1
24...	6	0	.0	.0	.0	0	0	0	1	1	0	--
25...	25	2	.0	.0	.0	3	3	0	0	0	0	.8
26...	18	1	.0	.0	.0	3	3	0	0	0	0	5.1
27...	19	0	.0	.0	.0	3	3	0	0	0	0	--
28...	39	1	.0	.0	.0	3	2	1	0	0	0	5.9
29...	46	0	.1	.1	.0	3	3	0	0	0	0	4.0
30...	28	0	.0	.0	.0	3	3	0	0	0	0	--
MAY												
01...	46	0	.1	.1	.0	3	3	0	0	0	0	--
02...	5	0	.0	.0	.0	3	1	2	0	0	0	--
04...	9	0	.2	.2	.0	3	1	2	0	0	0	--
05...	4	0	.0	.0	.0	3	0	3	0	0	0	--
06...	3	0	.0	.0	.0	3	1	2	0	0	0	--
07...	0	0	.0	.0	.0	3	0	3	0	0	0	--
08...	46	0	.0	.0	.0	3	3	0	0	0	0	--
09...	4	0	.2	.2	.0	3	0	3	0	0	0	--
10...	5	0	.0	.0	.0	3	3	0	0	0	0	--
11...	4	0	.1	.1	.0	3	3	0	0	0	0	--
12...	4	0	.1	.1	.0	9	9	0	0	0	0	--
15...	3	0	.5	.5	.0	3	3	0	0	0	0	2.8
16...	0	0	.0	.0	.0	4	4	0	0	0	0	--
17...	7	0	.0	.0	.0	3	3	0	0	0	0	.0
18...	13	0	.0	.0	.0	3	3	0	0	0	0	--
19...	18	0	.0	.0	.0	5	5	0	0	0	0	--
20...	4	0	.0	.0	.0	3	3	0	0	0	0	--
21...	4	0	.0	.0	.0	2	2	0	0	0	0	--
22...	5	0	.0	.0	.0	3	3	0	0	0	0	--
23...	7	0	.0	.0	.0	0	0	0	1	1	0	--
24...	7	2	.0	.0	.0	5	3	2	0	0	0	.1
25...	15	1	.0	.0	.0	2	1	1	0	0	0	.1
29...	7	1	.0	.0	.0	3	1	2	0	0	0	.4
30...	7	2	.0	.0	.0	4	2	2	0	0	0	.4
31...	7	1	.0	.0	.0	4	2	2	0	0	0	.0
JUN												
01...	7	0	.0	.0	.0	3	1	2	0	0	0	--
02...	7	0	.1	.1	.0	4	1	3	0	0	0	.0
03...	3	0	.0	.0	.0	2	0	2	0	0	0	.0
04...	6	0	.0	.0	.0	5	3	2	0	0	0	.0
05...	4	0	.0	.0	.0	2	0	2	0	0	0	.0
06...	11	1	.0	.0	.0	7	4	3	0	0	0	.0
07...	230	0	.0	.0	.0	5	2	3	0	0	0	.0
08...	28	0	.0	.0	.0	5	1	4	0	0	0	.0
09...	11	0	.1	.0	.1	7	4	3	0	0	0	.0
10...	2	1	.0	.0	.0	8	5	3	0	0	0	.0
11...	3	0	.0	.0	.0	5	1	4	0	0	0	--
12...	13	1	.0	.0	.0	4	0	4	0	0	0	--
13...	12	0	.0	.0	.0	4	0	4	0	0	0	--
14...	15	0	.0	.0	.0	5	0	5	0	0	0	--
JUL												
18...	3	0	.1	.1	.0	2	2	0	0	0	0	--
AUG												
15...	0	0	.1	.1	.0	5	4	1	0	0	0	--
SEP												
04...	0	0	.1	.1	.0	0	0	0	0	0	0	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT												
30...	20	10	10	7.3	.00	0	0	.0	.00	.000	.0	.000
NOV												
20...	20	0	20	5.9	.00	1	0	.0	.00	.000	.0	.000
DEC												
18...	20	0	20	7.0	.00	0	0	.0	--	.000	.0	.000
JAN												
26...	30	20	10	9.2	.00	3	4	.0	--	.000	.0	.000
FEB												
22...	20	10	10	9.3	.00	0	0	.0	--	.000	.0	.000
MAR												
15...	20	0	20	9.7	.00	3	0	.0	--	.000	.0	.000
APR												
16...	20	10	10	11	.00	1	0	.0	.00	.000	.0	.000
19...	40	40	3	7.6	.00	4	0	.0	.00	.000	.0	.000
20...	30	30	<3	11	.00	34	0	.0	.00	.000	.0	.000
21...	30	30	3	7.9	.00	2	0	.0	.00	.000	.0	.000
23...	20	20	3	8.8	.00	0	0	.0	.00	.000	.0	.000
24...	20	10	10	7.9	.00	1	0	.0	.00	.000	.0	.000
25...	20	10	10	12	.00	11	--	.0	.00	.000	.0	.000
26...	10	0	10	7.2	.00	2	0	.0	.00	.000	.0	.000
27...	10	0	10	13	.00	3	0	.0	.00	.000	.0	.000
28...	20	0	20	7.7	.00	0	0	.0	.00	.000	.0	.000
29...	10	0	10	11	.00	3	--	.0	.00	.000	.0	.000
30...	10	0	10	11	.00	0	0	.0	.00	.000	.0	.000
MAY												
01...	30	20	10	11	.00	1	0	.0	.00	.000	.0	.000
02...	20	10	10	7.9	.00	2	--	.0	.00	.000	.0	.000
04...	10	0	10	15	.00	1	--	--	--	--	--	--
05...	10	0	10	12	.00	6	0	.0	.00	.000	.0	.000
06...	10	0	10	12	.00	4	0	--	--	--	--	--
07...	10	0	10	6.1	.00	2	0	--	--	--	--	--
08...	20	10	10	8.6	.00	2	--	.0	.00	.000	.0	.000
09...	10	0	10	10	.00	3	--	.0	.00	.000	.0	.000
10...	10	0	10	15	.00	2	--	.0	.00	.000	.0	.000
11...	10	0	10	6.2	.00	0	--	.0	.00	.000	.0	.000
12...	10	0	10	5.8	.00	0	--	.0	.00	.000	.0	.000
15...	10	0	10	5.5	.00	1	--	.0	.00	.000	.0	.000
16...	10	0	10	6.5	.00	1	--	.0	.00	.000	.0	.000
17...	10	0	10	9.6	.00	1	--	.0	.00	.000	.0	.000
18...	20	10	10	12	.00	0	--	.0	.00	.00	.0	.00
19...	10	0	10	4.7	.00	0	--	.0	.00	.000	.0	.000
20...	10	0	10	7.0	.00	2	--	.0	.00	.000	.0	.000
21...	10	0	10	--	.00	4	--	.0	.00	.000	.0	.000
22...	10	10	0	--	.00	3	--	.0	.00	.000	.0	.000
23...	10	0	10	10	.00	0	--	.0	.00	.000	.0	.000
24...	10	10	0	10	.00	5	0	.0	.00	.000	.0	.000
25...	10	0	10	9.6	.00	5	0	.0	.00	.000	.0	.000
29...	10	10	0	11	.00	3	0	.0	.00	.000	.0	.000
30...	10	0	10	11	.00	3	0	.0	.00	.000	.0	.000
31...	20	10	10	4.7	.00	4	0	.0	.00	.000	.0	.000
JUN												
01...	20	20	0	6.6	.00	2	--	.0	.00	.000	.0	.000
02...	20	10	10	6.6	.00	2	0	.0	.00	.000	.0	.000
03...	20	20	0	6.3	.00	1	0	.0	.00	.000	.0	.000
04...	20	0	20	14	.00	5	--	.0	.00	.000	.0	.000
05...	10	0	10	12	.00	3	--	--	--	--	--	--
06...	10	0	10	6.9	.00	2	--	.0	.00	.000	.0	.000
07...	30	20	10	7.6	.00	2	--	.0	.00	.000	.0	.000
08...	20	10	10	8.9	.00	0	--	--	--	--	--	--
09...	10	0	10	--	.00	2	--	--	--	--	--	--
10...	10	0	10	--	.01	2	--	--	--	--	--	--
11...	10	0	10	--	.00	1	--	--	--	--	--	--
12...	10	7	3	--	.00	2	--	.0	.00	.000	.0	.000
13...	10	7	3	--	.00	0	--	.0	.00	.000	.0	.000
14...	10	5	5	--	.00	0	--	.0	.00	.000	.0	.000
JUL												
14...	0	0	3	5.3	.00	2	--	.0	.00	.000	.0	.000
AUG												
15...	0	--	--	--	.00	3	0	.0	.00	.000	.0	.000
SEP												
04...	0	0	0	--	.00	6	--	.0	.00	.000	.0	.000

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

MISSISSIPPI RIVER DELTA

157

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDE+ TOTAL (UG/L)	DDT+ TOTAL (UG/L)	DI- AZINON+ TOTAL (UG/L)	DI- ELDORIN+ TOTAL (UG/L)	ENDO- SULFAN+ TOTAL (UG/L)	ENDRIN+ TOTAL (UG/L)	ETHION+ TOTAL (UG/L)	HEPTA- CHLOR+ TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION+ TOTAL (UG/L)	METH- OXY- CHLOR+ TOTAL (UG/L)
OCT												
30...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
NOV												
20...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC												
18...	.000	.000	.00	.003	.000	.000	.00	.001	.002	.000	.00	.00
JAN												
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB												
22...	.000	.000	.01	.001	.000	.000	.00	.000	.001	.000	.00	.00
MAR												
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR												
16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
26...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
27...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
10...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
11...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
12...	.000	.000	.00	.000	.000	--	.00	.000	.000	.000	.00	.00
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
17...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
18...	.00	.00	--	.00	.00	.00	--	.00	.00	.00	--	--
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
31...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
03...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
05...	--	--	--	--	--	--	--	--	--	--	--	--
06...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
14...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL												
18...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG												
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP												
04...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL THI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT												
30...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.58	.000
NOV												
20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.45	.276
DEC												
18...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	12.0	.000
JAN												
26...	.00	.00	.00	.00	.00	.0	.00	.02	.02	.00	1.52	.000
FEB												
22...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.32	.000
MAR												
15...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	4.65	.000
APR												
16...	.00	.00	.00	.00	.00	.0	.00	.03	.02	.00	2.64	.000
19...	.00	.00	.00	.00	.00	.0	.00	.01	.02	.00	2.73	.000
20...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	--	--
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.73	.000
23...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	1.04	.000
24...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.57	.000
25...	.00	.00	.00	.00	.00	.0	.00	.12	.00	.00	.540	.000
26...	.00	.00	.00	.00	.00	.0	.00	.09	.00	.00	4.38	.000
27...	.00	.00	.00	.00	.00	.0	.00	.08	.00	.00	2.90	.000
28...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.88	.000
29...	.00	.00	--	.00	.00	.0	.00	--	--	--	--	.000
30...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	6.57	.000
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.00	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.29	.000
04...	--	--	--	--	--	--	--	--	--	--	4.76	.000
05...	.00	.00	.00	.00	.00	.0	.00	.40	.00	.00	3.75	.000
06...	--	--	.00	--	--	--	--	--	--	--	4.28	.000
07...	--	--	--	--	--	--	--	--	--	--	13.4	1.49
08...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	13.1	.000
09...	.00	.00	.00	.00	.00	.0	.00	.06	.00	.00	7.97	.000
10...	.00	.00	.00	.00	.00	.0	.00	--	--	--	16.3	.000
11...	.00	.00	.00	.00	.00	.0	.00	--	--	--	15.1	.500
12...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	6.39	.000
15...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.85	.000
16...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	7.25	.000
17...	.00	.00	.00	.00	.00	.0	.00	.08	.00	.00	7.82	.000
18...	--	--	.00	--	.00	.0	--	.37	.00	.00	9.65	.000
19...	.00	.00	.00	.00	.00	.0	.00	.07	.01	.00	5.56	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.90	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	12.6	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	10.9	.000
23...	.00	.00	.00	.00	.00	.0	.00	.78	.00	.00	9.58	.000
24...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	1.95	.000
25...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	1.25	.000
29...	.00	.00	.01	.00	.00	.0	.00	.25	.01	.00	15.2	.000
30...	.00	.00	.00	.00	.00	.0	.00	.30	.01	.00	9.11	.000
31...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	6.64	.000
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.01	16.8	.000
02...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	25.1	6.90
03...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	12.5	.000
04...	.00	.00	.00	.00	.00	.0	.00	--	--	--	17.6	.000
05...	--	--	--	--	--	--	--	--	--	--	12.6	.000
06...	.00	.00	.00	.00	.00	.0	.00	--	--	--	8.79	.000
07...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.33	.000
08...	--	--	--	--	--	--	--	--	--	--	13.4	.000
09...	--	--	--	--	--	--	--	--	--	--	13.2	.000
10...	--	--	--	--	--	--	--	--	--	--	16.3	.000
11...	--	--	--	--	--	--	--	--	--	--	15.2	.000
12...	.00	.00	.00	.00	.00	.0	.00	.23	.01	.00	19.6	.000
13...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	8.40	.000
14...	.00	.00	.00	.00	.00	.0	.00	.16	.01	.00	20.3	.000
JUL												
18...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	11.2	.000
AUG												
15...	.00	.00	.00	.00	.00	.0	.00	.06	.00	.00	4.40	.000
SEP												
04...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	7.63	.000

MISSISSIPPI RIVER DELTA

159

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

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

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCTI- VANCE (MICHO- MHO/S)	PH (UNITS)	COLOR (PLAT- INCH- COULT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL (5 DAY PER MG/L)	COLI- FORM, TOTAL, IMMED. (COLS./ 100 ML)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)
OCT												
30...	0845	2370	7.5	15	4	<1.0	8.1	49	.5	4200	K16	230
NOV												
20...	1000	6820	7.7	10	1	<1.0	8.5	40	1.7	1200	K12	710
DEC												
18...	0925	4420	7.3	15	2	<1.0	11.6	120	1.4	K260	<5	470
JAN												
26...	0945	255	7.1	00	50	<1.0	9.5	52	1.3	12000	K2000	--
FEB												
22...	0940	2510	7.3	20	35	<1.0	9.9	69	1.8	K3200	940	240
MAR												
15...	1050	1200	6.8	40	40	<1.0	8.6	31	1.6	480	160	120
APR												
16...	1000	124	6.6	100	10	<1.0	4.5	30	.8	3600	K28	21
19...	1335	782	7.3	80	25	<1.0	8.0	33	2.1	<10	K8	89
20...	1140	129	7.3	40	10	<1.0	6.6	19	1.4	80	K16	20
21...	1015	1120	7.2	40	75	<1.0	7.6	52	1.1	K4	K2	110
23...	1045	3510	7.6	5	40	<1.0	7.8	48	1.1	K260	K4	340
24...	1010	3300	7.4	20	25	<1.0	8.0	37	1.1	K4	<4	330
25...	1000	1050	6.8	40	25	<1.0	5.1	28	.9	400	220	110
26...	1235	877	7.2	50	35	<1.0	6.5	33	2.0	K38	K12	89
27...	1015	62	6.4	70	45	<1.0	3.8	30	1.5	K2200	K140	14
28...	1035	615	6.9	50	20	<1.0	6.5	30	.6	K60	K4	68
29...	1025	1730	6.6	40	10	<1.0	6.0	32	.6	67	K18	170
30...	1425	87	6.5	70	25	<1.0	4.1	27	1.4	4800	B2	14
MAY												
01...	1440	73	6.4	70	20	<1.0	4.3	21	1.3	4600	K60	15
02...	1220	184	6.1	60	20	<1.0	4.2	24	1.0	4400	K32	24
04...	0950	339	6.3	50	15	<1.0	4.9	21	1.2	K1000	84	39
05...	1025	732	6.6	50	8	<1.0	5.8	24	.7	K220	96	75
06...	0940	73	6.6	50	9	<1.0	3.7	22	1.5	430	380	9
07...	1200	1870	7.3	20	10	<1.0	7.8	27	.4	K4	<4	170
08...	1045	65	6.3	40	8	<1.0	5.0	20	1.9	130	K48	13
09...	1205	253	7.0	60	15	<1.0	7.1	21	1.8	K12	K3	33
10...	1210	195	6.7	50	15	<1.0	7.0	28	1.8	K72	K12	26
11...	1025	2820	7.5	20	8	<1.0	7.6	37	1.3	310	K4	280
12...	0950	2670	7.6	15	10	<1.0	7.2	35	.4	K24	K4	270
15...	0925	1720	7.4	15	7	<1.0	7.4	20	.2	<4	<4	190
16...	1035	262	6.7	70	15	<1.0	6.9	28	1.0	1200	K16	35
17...	0935	403	6.7	60	20	<1.0	4.9	24	.8	4400	140	44
18...	0935	220	6.2	60	20	<1.0	6.5	24	1.5	4600	40	27
19...	0800	1050	7.2	50	15	<1.0	7.8	24	.7	80	<2	110
20...	0800	1400	7.3	20	15	<1.0	7.8	28	1.2	400	<2	140
21...	1025	285	7.1	70	20	<1.0	7.1	28	.9	K16	<2	36
22...	0830	267	7.2	70	30	<1.0	6.8	29	.3	K16	K2	37
23...	1030	430	7.4	90	30	<1.0	7.2	31	.8	<4	<2	58
24...	0910	303	7.3	100	30	<1.0	8.8	26	2.4	320	<1	40

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

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

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS- NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINEITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT												
30...	200	19	44	370	76	11	17	33	0	27	100	660
NOV												
20...	670	53	140	1200	77	20	49	52	0	43	310	2200
DEC												
14...	440	39	91	760	76	15	38	44	0	36	260	1300
JAN												
26...	--	--	--	--	--	--	--	19	0	16	--	--
FEB												
22...	220	22	45	360	75	10	17	28	0	23	100	670
MAR												
15...	100	12	22	180	75	7.1	9.4	22	0	18	50	310
APR												
16...	6	3.4	3.0	15	58	1.4	2.2	18	0	15	7.9	26
19...	65	11	15	110	71	5.1	6.3	29	0	24	34	200
20...	0	3.4	2.8	16	61	1.6	2.1	24	0	20	7.6	20
21...	110	13	20	160	74	6.5	8.4	12	0	10	46	290
23...	300	32	62	570	77	14	26	42	0	34	160	1000
24...	300	29	62	530	76	13	25	36	0	30	150	940
25...	91	11	19	160	75	6.8	8.1	18	0	15	44	280
26...	68	11	15	130	74	6.0	6.8	26	0	21	37	230
27...	6	3.2	1.5	6.5	46	.8	2.1	10	0	8	5.2	11
28...	47	8.9	11	83	71	4.4	5.3	25	0	21	26	150
29...	150	17	31	260	75	8.7	12	26	0	21	69	480
30...	6	2.4	1.9	9.8	56	1.1	2.1	10	0	8	5.5	15
MAY												
01...	4	3.1	1.8	7.5	48	.8	2.0	14	0	11	5.7	11
02...	12	4.1	3.3	24	66	2.1	2.7	14	0	11	5.4	41
04...	24	9.5	3.7	48	71	3.3	3.5	18	0	15	16	80
05...	59	8.6	13	110	75	5.5	2.5	20	0	16	27	190
06...	0	2.8	.6	7.9	59	1.1	2.1	13	0	11	4.4	12
07...	140	18	30	290	77	9.7	15	29	0	24	74	530
08...	0	2.5	1.6	6.7	49	.8	1.7	16	0	13	4.8	8.9
09...	15	5.2	4.8	34	67	2.6	2.8	22	0	18	14	56
10...	11	4.2	3.8	27	66	2.3	2.8	18	0	15	10	40
11...	250	26	52	440	76	11	20	37	0	30	120	800
12...	240	25	50	430	76	11	20	38	0	31	130	750
15...	150	23	31	260	74	8.3	13	48	0	39	81	450
16...	18	5.8	5.0	35	66	2.6	3.2	21	0	17	12	57
17...	30	5.9	7.2	57	71	3.7	4.3	18	0	15	18	94
18...	15	4.2	4.1	30	67	2.5	3.2	15	0	12	12	47
19...	86	13	19	160	74	6.6	8.1	30	0	25	45	280
20...	110	16	25	210	74	7.6	11	33	0	27	62	370
21...	18	5.5	5.5	40	68	2.9	3.5	23	0	19	15	65
22...	17	5.8	5.4	35	65	2.5	3.4	24	0	20	12	57
23...	35	8.9	8.7	56	66	3.2	4.2	28	0	23	21	96
24...	20	6.0	6.0	42	67	2.9	3.6	24	0	20	17	65

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
OCT											
30...	6	.01	.00	.01	1.1	.04	1	1	0	10	0
NOV											
20...	0	.01	.01	.02	.69	.04	1	0	1	0	0
DEC											
18...	2	.01	.00	.01	.32	.03	1	0	1	10	0
JAN											
26...	19	.27	.06	.33	.55	.15	1	0	1	0	0
FEB											
22...	50	.14	.02	.16	.67	.06	1	0	1	10	10
MAR											
15...	65	.21	.04	.25	.71	.09	1	1	0	0	0
APR											
16...	29	.12	.02	.14	.95	.09	1	0	1	0	0
19...	12	.34	.06	.40	.71	.10	1	0	1	1	0
20...	20	.21	.02	.23	.45	.23	1	1	0	1	0
21...	334	.16	.02	.18	.68	.22	3	2	1	1	0
23...	59	.02	.00	.02	.45	.05	1	1	0	0	0
24...	63	.03	.02	.05	.45	.04	1	1	0	0	0
25...	53	.13	.02	.15	.57	.08	0	0	0	0	0
26...	39	.19	.04	.23	.53	.10	1	1	0	0	0
27...	23	.07	.04	.11	.48	.11	0	0	0	0	0
28...	23	.19	.06	.25	.71	.10	1	1	0	0	0
29...	10	.05	.02	.07	.59	.05	0	0	0	0	0
30...	19	.07	.04	.11	.40	.10	1	1	0	0	0
MAY											
01...	4	.12	.02	.14	.48	.11	1	1	0	0	0
02...	20	.10	.02	.12	.49	.10	1	0	1	0	0
04...	20	.10	.02	.12	.64	.10	1	0	1	0	0
05...	19	.06	.02	.08	.40	.08	1	0	1	0	0
06...	10	.09	.02	.11	.30	.11	1	0	1	0	0
07...	14	.04	.04	.08	.50	.06	1	0	1	0	0
08...	11	.09	.06	.15	.50	.12	1	0	1	0	0
09...	12	.14	.02	.16	.56	.09	1	0	1	0	0
10...	21	.06	.02	.08	.41	.09	1	0	1	0	0
11...	0	.01	.00	.01	.43	.03	1	0	1	0	0
12...	9	.05	.02	.07	.44	.03	1	--	--	0	0
15...	4	.43	.02	.45	.68	.01	1	0	1	0	0
16...	0	.13	.02	.15	.57	.10	1	0	1	0	0
17...	14	.15	.02	.17	.50	.09	1	0	1	0	0
18...	9	.20	.02	.22	.51	.09	1	0	1	0	0
19...	15	.18	.02	.20	.51	.07	2	0	2	0	0
20...	19	.21	.02	.23	.49	.05	1	0	1	0	0
21...	13	.11	.04	.15	.57	.11	1	0	1	0	0
22...	31	.14	.02	.16	.55	.12	2	1	1	0	0
23...	40	.30	.02	.32	.59	.11	1	0	1	0	0
24...	12	.18	.02	.20	.51	.10	2	1	1	0	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CH)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CH)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT											
30...	10	1	0	1	0	0	4	4	0	20	0
NOV											
20...	0	0	0	0	0	0	3	0	3	10	0
DEC											
10...	10	0	0	0	10	3	2	1	1	20	2
JAN											
20...	0	1	1	0	0	0	2	0	2	50	4
FEB											
22...	0	0	0	0	10	0	4	1	3	70	0
MAR											
15...	0	0	0	0	20	0	0	0	0	100	17
APR											
16...	0	0	0	0	10	0	4	0	4	410	12
19...	1	1	0	1	0	0	20	18	2	320	15
20...	1	1	0	1	0	0	2	1	1	330	18
21...	1	1	0	1	10	0	5	4	1	70	15
23...	0	0	0	0	0	0	2	1	1	0	21
24...	0	0	0	0	10	--	12	12	0	10	28
25...	0	0	0	0	10	0	4	1	3	90	41
26...	0	0	0	0	0	0	6	5	1	100	12
27...	0	0	0	0	0	0	4	1	3	210	14
28...	0	0	0	0	10	0	6	0	6	230	23
29...	0	0	0	0	10	0	3	2	1	150	15
30...	0	0	0	0	10	0	6	4	2	290	41
MAY											
01...	0	1	1	0	0	0	1	0	1	310	10
02...	0	0	0	0	10	0	2	1	1	120	3
04...	0	1	1	0	10	0	2	2	0	180	3
05...	0	1	1	0	10	0	2	2	0	130	4
06...	0	0	0	0	0	0	2	2	0	330	3
07...	0	0	0	0	0	0	2	2	0	40	2
08...	0	0	0	0	10	0	2	1	1	10	2
09...	0	1	1	0	0	--	3	3	0	230	7
10...	0	0	0	0	0	0	10	9	1	250	10
11...	0	0	0	0	0	0	6	5	1	10	52
12...	0	1	0	1	10	0	3	1	2	0	5
15...	0	0	0	0	0	0	4	2	2	10	2
16...	0	0	0	0	10	0	4	3	1	240	6
17...	0	0	0	0	10	0	4	2	2	160	31
18...	0	1	0	1	10	0	37	35	2	240	35
19...	0	1	0	1	0	0	6	5	1	100	8
20...	0	0	0	0	10	0	4	3	1	60	6
21...	0	0	0	0	0	4	3	3	0	210	3
22...	0	0	0	0	0	0	5	3	2	190	6
23...	0	0	0	0	0	0	5	4	1	80	7
24...	0	0	0	0	10	0	4	1	3	110	12

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE REC OV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL REC OV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE REC OV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL REC OV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE REC OV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL REC OV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE REC OV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT												
30...	0	0	.0	.0	.0	4	1	3	1	0	1	--
NOV												
20...	0	0	.0	.0	.0	0	0	0	1	0	1	--
DEC												
18...	0	2	.0	.0	.0	3	0	3	1	1	0	--
JAN												
26...	4	0	.0	.0	.0	3	1	2	0	0	0	--
FEB												
22...	0	0	.2	.2	.0	3	1	2	0	0	0	--
MAR												
15...	17	0	.0	.0	.0	0	0	0	0	0	0	--
APR												
16...	12	0	.0	.0	.0	1	1	0	0	0	0	.3
19...	15	0	.0	.0	.0	7	7	0	1	0	1	--
20...	18	0	.0	.0	.0	0	0	0	0	0	0	.1
21...	15	0	.0	.0	.0	6	6	0	0	0	0	--
23...	21	0	.0	.0	.0	2	2	0	0	0	0	--
24...	28	0	.0	.0	.0	2	2	0	0	0	0	--
25...	39	2	.0	.0	.0	3	3	0	0	0	0	--
26...	11	1	.1	.0	.1	3	2	1	0	0	0	--
27...	14	0	.0	.0	.0	3	3	0	0	0	0	.5
28...	22	1	.0	.0	.0	3	2	1	0	0	0	--
29...	15	0	.1	.1	.0	2	2	0	0	0	0	--
30...	40	1	.1	.1	.0	6	6	0	0	0	0	1.3
MAY												
01...	10	0	.4	.4	.0	14	14	0	0	0	0	1.2
02...	3	0	.0	.0	.0	3	0	3	0	0	0	.0
04...	3	0	.0	.0	.0	7	6	1	0	0	0	--
05...	4	0	.1	.1	.0	7	5	2	0	0	0	--
06...	3	0	.1	.1	.0	4	2	2	0	0	0	.3
07...	2	0	.0	.0	.0	5	3	2	0	0	0	--
08...	2	0	.1	.1	.0	3	3	0	0	0	0	.2
09...	7	0	.1	.1	.0	4	1	3	0	0	0	.7
10...	10	0	.0	.0	.0	3	3	0	0	0	0	.1
11...	52	0	.0	.0	.0	3	3	0	0	0	0	--
12...	5	0	.0	.0	.0	7	7	0	0	0	0	--
15...	2	0	.0	.0	.0	3	3	0	0	0	0	--
16...	6	0	.0	.0	.0	3	3	0	0	0	0	.1
17...	31	0	.1	.1	.0	3	3	0	0	0	0	.4
18...	35	0	.0	.0	.0	5	5	0	0	0	0	.1
19...	8	0	.0	.0	.0	7	7	0	0	0	0	--
20...	6	0	.0	.0	.0	5	5	0	0	0	0	--
21...	3	0	.0	.0	.0	4	4	0	0	0	0	.0
22...	6	0	.0	.0	.0	3	3	0	0	0	0	.2
23...	7	0	.0	.0	.0	3	3	0	0	0	0	.0
24...	10	2	.0	.0	.0	5	3	2	0	0	0	.1

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)	ZINC, SUS- PENDED RECOVERABLE (UG/L AS Zn)	ZINC, DISE- SOLVED (UG/L AS Zn)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)
OCT												
30...	10	0	10	5.3	.00	1	0	.0	.00	.000	.0	.000
NOV												
20...	20	0	20	5.8	.00	1	0	.0	.00	.000	.0	.000
DEC												
10...	10	0	10	5.4	.00	0	0	.0	--	.000	.0	.000
JAN												
26...	20	0	20	8.0	.00	3	0	.0	.00	.000	.0	.000
FEB												
27...	20	10	10	8.2	.00	0	0	.0	--	.000	.0	.000
MAR												
15...	10	0	10	7.8	.00	2	0	.0	--	.000	.0	.000
APR												
16...	10	0	10	10	.00	8	1	.0	.00	.000	.0	.000
19...	20	20	3	11	.00	0	0	.0	.00	.000	.0	.000
20...	10	5	4	5.0	.00	5	0	.0	.00	.000	.0	.000
21...	30	30	3	18	.00	3	0	.0	.00	.000	.0	.000
23...	20	10	10	7.3	.00	1	0	.0	.00	.000	.0	.000
24...	20	10	10	5.1	.00	1	0	.0	.00	.000	.0	.000
25...	10	0	10	7.7	.00	1	0	.0	.00	.000	.0	.000
26...	20	10	10	12	.00	7	0	.0	.00	.000	.0	.000
27...	10	10	0	10	.00	9	0	.0	.00	.000	.0	.000
28...	10	0	10	--	.00	6	0	.0	.00	.000	.0	.000
29...	10	0	10	7.5	.00	5	0	.0	.00	.000	.0	.000
30...	20	10	10	5.5	.00	4	0	.0	.00	.000	.0	.000
MAY												
01...	10	10	0	7.7	.00	1	0	.0	.00	.000	.0	.000
02...	10	0	10	8.8	.00	11	--	.0	.00	.000	.0	.000
04...	10	10	0	8.9	.00	2	--	--	--	--	--	--
05...	10	0	10	8.4	.00	1	0	.0	.00	.000	.0	.000
06...	0	0	0	7.2	.00	3	0	.0	.00	.000	.0	.000
07...	10	0	10	5.6	.00	0	0	--	--	--	--	--
08...	0	0	0	8.0	.00	3	--	.0	.00	.000	.0	.000
09...	10	10	0	8.8	.00	5	--	.0	.00	.000	.0	.000
10...	10	0	10	7.2	.00	1	--	.0	.00	.000	.0	.000
11...	20	10	10	5.1	.00	0	--	.0	.00	.000	.0	.000
12...	20	0	20	5.0	.00	0	--	.0	.00	.000	.0	.000
15...	10	0	10	5.8	.00	1	--	.0	.00	.000	.0	.000
16...	10	0	10	8.6	.00	2	--	.0	.00	.000	.0	.000
17...	10	0	10	7.4	.00	4	--	.0	.00	.000	.0	.000
18...	30	20	10	8.2	.00	0	--	.0	.00	.000	.0	.000
19...	30	20	10	8.6	.00	0	--	.0	.00	.000	.0	.000
20...	10	0	10	7.5	.00	0	--	.0	.00	.000	.0	.000
21...	10	10	0	--	.00	0	--	.0	.00	.000	.0	.000
22...	20	20	0	--	.00	4	--	.0	.00	.000	.0	.000
23...	20	10	10	7.2	.00	0	--	.0	.00	.000	.0	.000
24...	10	0	10	7.4	.00	3	0	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDT+ TOTAL (UG/L)	DDT+ TOTAL (UG/L)	DI- AZINON+ TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN+ TOTAL (UG/L)	ENDRIN+ TOTAL (UG/L)	ETHION+ TOTAL (UG/L)	HEPTA- CHLOR+ TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION+ TOTAL (UG/L)	METH- OXY- CHLOR+ TOTAL (UG/L)
OCT												
30...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.001	.00	.00
NOV												
20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC												
18...	.000	.001	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN												
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB												
22...	.000	.001	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAR												
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR												
16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
26...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
27...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
10...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
11...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
17...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT												
30...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	4.35	.000
NOV												
20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.779	.000
DEC												
18...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	7.78	.000
JAN												
26...	.00	.00	.00	.00	.00	.0	.00	.06	.03	.00	2.13	.000
FEB												
22...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	17.5	.000
MAR												
15...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	3.65	.000
APR												
16...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.21	.000
19...	.00	.00	.00	.00	.00	.0	.00	.03	.02	.00	3.65	.000
20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.4	.000
21...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	8.69	.000
23...	.00	.00	.00	.00	.00	.0	.00	.01	.03	.00	2.54	.000
24...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.06	.000
25...	.00	.00	.00	.00	.00	.0	.00	.08	.01	.00	2.18	.000
26...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	2.28	.000
27...	.00	.00	.00	.00	.00	.0	.00	--	--	--	1.78	.000
28...	.00	.00	.00	.00	.00	.0	.00	--	--	--	1.57	.000
29...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	2.22	.000
30...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.37	.000
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.77	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.80	.000
04...	--	--	--	--	--	--	--	--	--	--	8.26	.000
05...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	4.91	.000
06...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	7.92	.000
07...	--	--	--	--	--	--	--	--	--	--	12.8	.000
08...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	15.1	.000
09...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	7.75	.000
10...	.00	.00	.00	.00	.00	.0	.00	--	--	--	21.0	1.28
11...	.00	.00	.00	.00	.00	.0	.00	--	--	--	12.9	.000
12...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.88	.000
15...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.61	.000
16...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	3.77	.000
17...	.00	.00	.00	.00	.00	.0	.00	.18	.01	.00	3.52	.000
18...	.00	.00	.00	.00	.00	.0	.00	.14	.01	.00	9.91	.000
19...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	5.87	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.29	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	7.71	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	.970	.000
23...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	4.80	.000
24...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	1.92	.400

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHMS)	PH (UNITS)	COLOR (PLATINUM COALITION UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
MAY												
25...	1000	249	7.2	100	20	<1.0	7.2	25	.7	K8	<2	33
29...	1030	307	7.6	40	15	<1.0	7.7	20	1.3	K8	<2	74
30...	0855	1690	7.7	20	30	<1.0	7.7	22	.8	K4	K2	190
31...	0930	352	7.8	20	15	<1.0	7.8	19	1.3	K4	<2	110
JUN												
01...	0915	323	7.5	50	10	<1.0	7.8	21	1.1	<4	<2	68
02...	0930	355	7.5	50	15	<1.0	8.0	30	1.6	1100	<2	75
03...	0825	326	7.8	30	10	<1.0	8.2	9	1.5	96	<2	82
04...	1105	72	6.4	70	15	<1.0	6.4	12	.9	160	62	14
05...	0935	148	6.9	60	10	<1.0	6.9	22	.3	K10	<4	31
06...	1025	353	7.4	30	20	<1.0	7.2	11	.9	<2	<2	69
07...	0945	314	7.3	40	25	<1.0	6.8	18	.5	K4	<2	67
08...	1015	354	7.8	10	15	<1.0	7.6	12	.6	<4	<2	120
09...	0955	329	8.1	5	8	<1.0	8.0	7	.4	K60	K2	110
10...	0935	332	8.0	15	7	<1.0	8.5	11	1.0	K4	<2	110
11...	1130	420	7.8	20	50	<1.0	7.2	16	1.0	K60	K6	120
12...	1050	305	7.5	30	15	<1.0	6.8	12	.8	K20	K1	86
13...	1020	1480	7.4	15	10	<1.0	7.9	25	1.1	<10	<1	170
14...	0930	352	7.6	10	20	<1.0	7.5	14	.5	K70	K3	89
JUL												
18...	1100	1090	7.4	10	10	<1.0	7.3	16	.6	K28	<2	150
AUG												
15...	1035	584	6.6	60	50	<1.0	6.6	41	.6	K80	<5	70
SEP												
04...	1410	1670	7.6	30	15	<1.0	7.3	19	--	K8	<2	170
DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM DIS-SOLVED (MG/L AS Mg)	SODIUM DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
MAY												
25...	14	5.0	4.9	34	67	2.6	3.1	23	0	19	13	52
29...	31	16	8.3	30	45	1.5	3.3	53	0	43	24	45
30...	150	21	33	260	73	8.2	13	42	0	34	81	480
31...	40	26	11	25	32	1.0	3.7	86	0	71	35	41
JUN												
01...	26	14	8.1	33	51	1.7	1.6	52	0	43	26	50
02...	33	16	8.6	37	50	1.9	3.4	52	0	43	25	58
03...	31	18	9.0	31	44	1.5	3.4	62	0	51	28	49
04...	3	2.8	1.7	6.6	46	.8	2.3	14	0	11	6.8	10
05...	10	6.6	3.5	16	51	1.3	2.5	26	0	21	10	24
06...	29	13	6.8	36	53	2.0	3.8	49	0	40	26	60
07...	24	14	7.8	32	49	1.7	3.7	52	0	43	26	51
08...	42	28	11	24	30	1.0	3.5	95	0	78	42	30
09...	39	26	11	20	26	.8	3.1	91	0	75	42	26
10...	38	24	11	23	31	1.0	3.4	82	0	67	40	30
11...	45	25	13	37	39	1.5	4.5	90	0	74	42	54
12...	31	19	9.4	24	37	1.1	3.3	67	0	55	32	34
13...	130	17	30	230	74	7.8	11	40	0	33	73	410
14...	29	19	10	32	43	1.5	3.6	73	0	60	33	46
JUL												
18...	100	22	24	150	67	5.0	6.0	61	0	50	63	260
AUG												
15...	42	9.9	11	79	84	4.1	5.5	34	0	28	30	210
SEP												
04...	130	19	30	250	74	8.2	14	50	0	41	82	430

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE (MG/L AS N)	NITRO- GEN, NITRITE (MG/L AS N)	NITRO- GEN, NO2+NO3 (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BE)
MAY											
25...	6	.14	.02	.16	.62	.10	1	0	1	0	0
29...	15	.62	.02	.64	.52	.07	1	0	1	0	0
30...	40	.28	.02	.30	.50	.03	1	1	0	0	0
31...	11	1.3	.02	1.3	.54	.07	2	1	1	10	10
JUN											
01...	9	.57	.06	.63	.15	.05	1	0	1	0	0
02...	12	.57	.02	.59	.14	.06	1	0	1	0	0
03...	8	.65	.02	.67	.46	.05	1	0	1	0	0
04...	5	.35	.04	.39	.52	.12	1	1	0	0	0
05...	5	.20	.04	.24	.44	.11	1	0	1	0	0
06...	14	.52	.02	.54	.41	.09	1	0	1	0	0
07...	22	.54	.02	.56	.42	.08	1	0	1	0	0
08...	23	1.3	.10	1.4	.37	.09	2	1	1	0	0
09...	12	.00	.02	.02	.60	.08	2	1	1	0	0
10...	13	1.0	.10	1.1	.66	.05	1	0	1	0	0
11...	43	1.3	.14	1.4	.91	.10	1	0	1	0	0
12...	12	.79	.08	.87	.51	.08	1	0	1	1	0
13...	12	.12	.02	.14	.60	.06	0	0	0	0	0
14...	12	1.0	.08	1.1	.36	.02	1	0	1	1	0
JUL											
18...	24	.17	.08	.25	.61	.08	2	1	1	1	0
AUG											
15...	23	.20	.04	.24	.56	.12	1	0	1	1	0
SEP											
04...	8	.00	.00	.00	.72	.04	1	0	1	0	0
DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
MAY											
25...	0	0	0	0	0	0	5	3	2	220	65
29...	0	1	0	1	0	0	7	4	3	130	8
30...	0	0	0	0	0	0	4	1	3	20	9
31...	0	0	0	0	0	0	5	2	3	20	12
JUN											
01...	0	1	0	1	10	0	2	0	2	90	4
02...	0	1	0	1	0	0	3	0	3	90	9
03...	0	1	0	1	10	0	19	17	2	40	6
04...	0	1	0	1	0	0	3	0	3	190	10
05...	0	1	0	1	0	0	3	0	3	290	6
06...	0	1	0	1	0	0	3	2	1	40	12
07...	0	1	0	1	10	0	4	3	1	30	15
08...	0	1	0	1	0	0	6	5	1	10	38
09...	0	1	0	1	10	0	4	3	1	10	15
10...	0	1	0	1	0	0	5	5	0	10	3
11...	0	1	0	1	10	0	5	4	1	10	28
12...	1	1	0	1	10	0	4	3	1	20	13
13...	0	1	0	1	10	0	3	2	1	10	13
14...	1	1	0	1	0	0	6	5	1	20	12
JUL											
18...	1	0	0	1	10	0	2	0	2	0	4
AUG											
15...	1	1	0	1	20	0	6	0	6	70	6
SEP											
04...	0	0	0	0	10	0	4	3	1	10	2

MISSISSIPPI RIVER DELTA

169

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECov- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
MAY												
25...	63	2	.0	.0	.0	3	1	2	0	0	0	.3
29...	5	3	.1	.1	.0	6	0	6	0	0	0	.0
30...	8	1	.0	.0	.0	5	3	2	0	0	0	--
31...	11	1	.0	.0	.0	2	0	2	0	0	0	.0
JUN												
01...	4	0	.0	.0	.0	4	2	2	0	0	0	--
02...	9	0	.0	.0	.0	2	0	2	0	0	0	.0
03...	6	0	.0	.0	.0	5	3	2	0	0	0	.0
04...	10	0	.1	.1	.0	2	0	2	0	0	0	.0
05...	6	0	.1	.1	.0	2	0	2	0	0	0	.0
06...	11	1	.0	.0	.0	3	0	3	0	0	0	.0
07...	14	1	.0	.0	.0	4	0	4	0	0	0	.0
08...	37	1	.0	.0	.0	6	4	2	1	0	1	.0
09...	14	1	.0	.0	.0	5	2	3	1	1	0	.0
10...	2	1	.0	.0	.0	5	2	3	0	0	0	.0
11...	28	0	.0	.0	.0	5	2	3	1	0	1	.2
12...	13	0	.0	.0	.0	4	0	4	0	0	0	.0
13...	12	1	.0	.0	.0	6	2	4	0	0	0	--
14...	12	0	.0	.0	.0	9	5	4	0	0	0	.0
JUL												
18...	4	0	.1	.1	.0	2	1	1	0	0	0	--
AUG												
15...	6	0	.0	.0	.0	3	2	1	0	0	--	--
SEP												
04...	2	0	.0	.0	.0	5	5	0	0	0	0	--
DATE	ZINC, TOTAL RECov- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECov- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
MAY												
25...	10	10	0	9.4	.00	4	0	.0	.00	.000	.0	.000
29...	10	0	10	7.8	.00	5	0	.0	.00	.000	.0	.000
30...	20	10	10	7.4	.00	2	0	.0	.00	.000	.0	.000
31...	10	0	10	5.8	.00	4	0	.0	.00	.000	.0	.000
JUN												
01...	10	0	10	7.4	.00	3	0	.0	.00	.000	.0	.000
02...	20	10	10	8.2	.00	2	0	.0	.00	.000	.0	.000
03...	30	20	10	6.3	.00	0	0	.0	.00	.000	.0	.000
04...	10	0	10	8.0	.00	3	--	--	--	--	--	--
05...	10	0	10	10	.00	2	--	--	--	--	--	--
06...	10	0	10	8.1	.00	0	--	.0	.00	.000	.0	.000
07...	10	0	10	8.6	.00	1	--	.0	.00	.000	.0	.000
08...	30	20	10	4.5	.00	0	--	--	--	--	--	--
09...	10	0	10	--	.00	6	--	--	--	--	--	--
10...	20	10	10	--	.00	2	--	--	--	--	--	--
11...	20	10	10	--	.00	3	--	--	--	--	--	--
12...	10	7	3	--	.00	2	--	.0	.00	.000	.0	.000
13...	0	0	0	--	.00	5	--	.0	.00	.000	.0	.000
14...	20	20	3	--	.00	2	--	.0	.00	.000	.0	.000
JUL												
18...	0	0	3	.0	.00	3	--	.0	.00	.000	.0	.000
AUG												
15...	0	0	3	--	.00	2	0	.0	.00	.000	.0	.000
SEP												
04...	0	0	1	--	.00	2	--	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-FLORIN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE, TOTAL (UG/L)	LINDANE, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
MAY												
25...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
31...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00
03...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
04...	--	--	--	--	--	--	.00	--	--	--	.00	--
05...	--	--	--	--	--	--	--	--	--	--	--	--
06...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
14...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL												
18...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG												
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP												
04...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE, TOTAL (UG/L)	TUX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TION CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TION CHROMO FLUOROM (UG/L)
MAY												
25...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	.000	.000
29...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	11.9	.000
30...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	8.07	.000
31...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	--	--
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	11.6	.000
02...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	24.5	4.40
03...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	13.5	.000
04...	.00	.00	--	.00	--	--	.00	--	--	--	6.41	.000
05...	--	--	--	--	--	--	--	--	--	--	--	--
06...	.00	.00	.00	.00	.00	.0	.00	.07	.01	.01	8.67	.000
07...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.98	.000
08...	--	--	--	--	--	--	--	--	--	--	15.2	.000
09...	--	--	--	--	--	--	--	--	--	--	12.8	.000
10...	--	--	--	--	--	--	--	--	--	--	16.8	.000
11...	--	--	--	--	--	--	--	--	--	--	16.4	.000
12...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	5.60	.000
13...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	9.54	.000
14...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	8.20	.000
JUL												
18...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	12.7	.000
AUG												
15...	.00	.00	.00	.00	.00	.0	.00	.12	.00	.00	5.56	.000
SEP												
04...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	8.13	.000

MISSISSIPPI RIVER DELTA

171

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)

LOCATION.--Lat 30°09'22", long 90°17'15", T.10 S., R.9 E., St. Charles Parish, Hydrologic Unit 08090202, 9.7 mi (15.6 km) north-northwest of Kenner.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1979 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-CORAL UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
APR												
19...	1300	2410	7.9	30	15	<1.0	9.0	37	1.9	<10	<4	260
20...	1100	2680	6.8	20	10	<1.0	8.3	37	1.2	K6	<2	300
21...	0945	286	7.5	20	120	<1.0	7.7	26	.5	240	130	100
23...	1015	1590	7.5	30	70	<1.0	7.9	35	.7	K170	K12	170
24...	0935	1930	7.5	30	35	<1.0	8.1	30	.0	K36	K16	200
25...	0935	1720	7.3	20	55	<1.0	7.7	31	.7	<10	K4	180
26...	1210	813	7.7	30	60	<1.0	8.0	24	1.0	320	68	130
27...	0940	296	7.7	15	85	<1.0	7.8	22	.5	K300	80	110
28...	0940	301	7.4	20	120	<1.0	7.4	25	.6	K380	K120	110
29...	0945	279	7.4	20	90	<1.0	7.4	26	.6	540	K100	110
30...	1150	628	7.8	30	70	<1.0	8.4	22	.8	520	K4	130
MAY												
01...	1350	1390	7.8	20	45	<1.0	7.9	25	.5	220	K4	170
02...	1045	1520	7.2	50	30	<1.0	7.7	31	.4	170	<2	150
04...	0920	640	7.0	70	25	<1.0	7.5	27	.3	K8	K8	68
05...	0940	1340	7.4	40	20	<1.0	7.7	33	.5	K10	<1	150
06...	0910	385	7.5	40	50	<1.0	8.1	19	.8	K36	K14	110
07...	1115	614	7.8	30	40	<1.0	8.4	19	1.7	K42	K4	120
08...	1015	733	7.5	10	20	<1.0	7.9	23	1.1	<4	K4	100
09...	1135	334	7.8	30	15	<1.0	8.4	22	1.4	K48	K8	120
10...	1135	666	7.7	70	25	<1.0	7.7	36	.8	K20	<4	110
10...	1135	666	7.7	70	25	<1.0	7.7	36	.8	K20	<4	110
11...	1000	301	7.7	20	75	<1.0	7.6	30	.4	5400	210	120
12...	0915	663	7.6	50	25	<1.0	7.7	26	.4	420	80	98
15...	0855	304	7.5	20	80	<1.0	7.4	18	.4	K80	80	130
16...	1010	473	7.5	40	35	<1.0	8.1	25	.6	K4	K4	100
17...	0905	495	7.3	60	45	<1.0	7.3	24	1.8	600	<4	74
18...	0910	475	7.5	20	40	<1.0	8.3	21	1.3	280	K2	98
19...	0740	431	7.6	20	30	<1.0	8.4	21	1.2	120	K20	98
20...	0735	435	7.8	20	30	<1.0	9.0	20	1.6	160	K12	120
21...	0955	313	7.9	15	40	<1.0	7.4	17	.3	K32	K6	120
22...	0800	315	7.9	20	45	<1.0	7.3	17	.1	K28	K12	130
23...	1000	320	8.0	50	40	<1.0	7.8	17	.5	K40	K8	120
24...	0840	317	8.0	40	40	<1.0	8.2	16	1.8	230	K2	130
25...	0940	316	7.9	30	85	<1.0	7.9	28	.5	--	K10	130
29...	1005	341	7.9	20	50	<1.0	7.6	16	.6	K20	<2	130
30...	0835	345	8.1	20	65	<1.0	7.7	18	.7	K8	<2	130
31...	0910	336	7.9	40	45	<1.0	7.9	17	1.2	80	<10	130
JUN												
01...	0855	331	7.8	50	35	<1.0	8.4	16	1.3	<4	<2	120
02...	0910	343	7.6	50	15	<1.0	8.3	17	.9	92	K2	120

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

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

MISSISSIPPI RIVER DELTA

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
APR												
19...	220	30	46	380	74	10	17	54	0	44	95	690
20...	290	28	55	420	74	11	19	18	0	15	130	720
21...	26	27	6.9	15	23	.6	3.1	90	0	74	33	24
23...	140	17	30	260	76	8.8	12	33	0	27	69	430
24...	170	22	36	310	75	9.5	14	40	0	33	91	510
25...	150	18	32	270	75	8.8	12	32	0	26	74	480
26...	78	27	16	99	60	3.7	6.3	68	0	56	49	180
27...	38	31	8.2	13	20	.5	2.9	89	0	73	34	19
28...	32	30	8.6	15	22	.6	2.9	96	0	79	33	23
29...	36	30	8.5	10	16	.4	2.8	90	0	74	33	14
30...	65	28	14	68	52	2.6	5.2	76	0	62	44	120
MAY												
01...	120	22	27	200	71	6.8	10	52	0	43	67	370
02...	130	17	27	230	75	8.1	11	32	0	26	62	400
04...	49	9.2	11	93	73	4.9	5.4	24	0	20	27	160
05...	110	22	24	200	72	7.0	11	48	0	39	58	350
06...	45	28	10	32	38	1.3	3.7	80	0	66	36	50
07...	64	28	13	55	48	2.2	5.3	73	0	60	38	110
08...	63	17	14	92	65	4.0	6.2	46	0	38	35	170
09...	37	33	9.7	20	26	.8	2.9	101	0	83	37	27
10...	61	20	14	89	63	3.7	5.8	57	0	47	36	150
10...	61	20	14	89	63	3.7	5.8	57	0	47	36	150
11...	40	34	9.5	11	16	.4	2.9	103	0	84	35	24
12...	55	18	13	87	64	3.8	5.5	52	0	43	33	150
15...	41	48	1.5	11	16	.4	2.9	104	0	85	36	14
16...	45	23	11	51	51	2.2	4.3	67	0	55	34	83
17...	44	13	10	65	64	3.3	4.8	36	0	30	26	110
18...	49	21	11	55	54	2.4	4.3	60	0	49	32	91
19...	29	21	11	45	49	2.0	4.1	84	0	69	31	71
20...	46	30	11	36	39	1.4	3.9	90	0	74	39	59
21...	37	33	10	14	19	.5	3.1	105	0	86	36	20
22...	36	34	10	13	18	.5	3.1	110	0	90	36	17
23...	32	33	10	13	18	.5	3.1	107	0	88	38	18
24...	45	34	10	14	19	.5	3.0	104	0	85	37	22
25...	43	34	10	15	20	.6	3.2	101	0	83	37	23
29...	44	33	11	20	25	.8	3.5	102	0	84	38	27
30...	38	32	11	21	26	.8	3.5	106	0	87	37	33
31...	40	33	11	18	23	.7	3.0	107	0	88	39	23
JUN												
01...	38	32	10	17	23	.7	3.0	101	0	83	38	23
02...	36	32	10	20	26	.8	3.0	104	0	85	38	28

MISSISSIPPI RIVER DELTA

173

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
APR											
19...	6	.53	.08	.61	.71	.09	1	0	1	0	0
20...	0	.13	.02	.15	.54	.05	1	1	0	0	0
21...	131	1.7	.08	1.8	.73	.21	2	1	1	1	0
23...	108	.31	.02	.33	.49	.15	3	2	1	1	0
24...	29	.31	.02	.33	.46	.10	1	0	1	1	0
25...	48	.31	.02	.33	.72	.12	1	0	1	0	0
26...	55	1.2	.12	1.3	.54	.10	1	0	1	0	0
27...	103	1.7	.08	1.8	.45	.17	1	0	1	0	0
28...	198	.91	.06	.97	.99	.09	2	1	1	0	0
29...	263	1.6	.10	1.7	.71	.31	2	1	1	0	0
30...	133	1.3	.06	1.4	.61	.16	2	2	0	0	0
MAY											
01...	47	.66	.04	.70	.54	.10	1	0	1	0	0
02...	30	.25	.02	.27	.56	.09	2	1	1	0	0
04...	20	.30	.02	.32	.53	.10	1	0	1	0	0
05...	26	.35	.04	.39	.43	.20	1	1	0	0	0
06...	33	1.5	.04	1.5	.54	.14	2	1	1	0	0
07...	29	1.1	.06	1.2	.49	.13	1	0	1	0	0
08...	18	.58	.04	.62	.62	.11	2	1	1	0	0
09...	32	1.8	.02	1.8	.48	.11	2	0	2	0	0
10...	14	.77	.02	.79	.73	.09	2	1	1	0	0
10...	14	.77	.02	.79	.73	.09	2	1	1	0	0
11...	108	1.9	.02	1.9	.32	.17	2	0	2	0	0
12...	16	.58	.02	.60	.66	.09	1	0	1	0	0
15...	72	1.9	.00	1.9	.52	.15	3	1	2	0	0
16...	25	.98	.02	1.0	.41	.16	2	1	1	0	0
17...	29	.44	.02	.46	.50	.10	2	1	1	0	0
18...	34	.82	.02	.84	.57	.10	2	1	1	0	0
19...	19	.93	.00	.93	.70	.10	2	1	1	0	0
20...	26	1.4	.02	1.4	.43	.09	2	1	1	0	0
21...	26	1.8	.02	1.8	.66	.13	1	0	1	0	0
22...	18	1.8	.02	1.8	.95	.13	3	1	2	0	0
23...	35	1.9	.02	1.9	.50	.13	3	2	1	0	0
24...	22	1.7	.02	1.7	.54	.11	2	1	1	0	0
25...	159	1.7	.02	1.7	.43	.22	3	2	1	0	0
29...	24	1.6	.06	1.7	.54	.10	2	1	1	0	0
30...	63	1.7	.04	1.7	.56	.09	2	0	2	0	0
31...	48	1.6	.02	1.6	.47	.14	2	1	1	0	0
JUN											
01...	24	1.6	.02	1.6	.37	.12	2	2	0	0	0
02...	23	1.4	.06	1.5	.21	.12	--	--	1	0	0

MISSISSIPPI RIVER DELTA

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS FE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CH)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CH)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
APR											
19...	0	0	0	0	0	0	6	5	1	0	65
20...	0	0	0	0	10	0	2	1	1	10	3
21...	1	1	0	1	10	0	9	8	1	40	33
23...	1	1	0	1	10	0	7	6	1	0	59
24...	1	1	0	1	10	0	6	5	1	10	140
25...	0	0	0	0	10	0	7	4	3	20	31
26...	0	0	0	0	10	0	8	7	1	40	180
27...	0	0	0	0	10	0	8	7	1	10	36
28...	0	0	0	0	10	0	9	5	4	70	16
29...	0	0	0	0	20	0	12	11	1	10	39
30...	0	0	0	0	10	0	7	6	1	10	34
MAY											
01...	0	4	0	4	10	0	2	1	1	30	9
02...	0	1	1	0	10	0	2	1	1	30	15
04...	0	1	1	0	10	0	4	3	1	80	13
05...	0	1	1	0	0	0	4	3	1	20	6
06...	0	1	1	0	10	0	4	4	0	20	15
07...	0	1	1	0	10	0	4	4	0	20	4
08...	0	0	0	0	0	0	5	4	1	90	15
09...	0	1	1	0	10	0	4	4	0	10	7
10...	0	0	0	0	0	0	4	2	2	70	4
10...	0	0	0	0	0	0	4	2	2	70	4
11...	0	0	0	0	0	0	12	11	1	20	15
12...	0	1	1	0	0	0	2	2	0	40	4
15...	0	0	0	0	10	0	7	6	1	10	9
16...	0	1	0	1	10	0	8	7	1	30	2
17...	0	0	0	0	0	2	6	5	1	70	7
18...	0	1	0	1	10	0	6	4	2	40	6
19...	0	1	0	1	10	0	5	4	1	40	6
20...	0	0	0	0	10	0	7	6	1	20	35
21...	0	0	0	0	10	0	5	4	1	20	4
22...	0	0	0	0	10	0	7	6	1	10	7
23...	0	0	0	0	10	0	6	5	1	20	7
24...	0	0	0	0	10	0	5	2	3	20	11
25...	0	0	0	0	0	0	8	6	2	10	11
29...	0	1	0	1	10	0	6	2	4	10	8
30...	0	0	0	0	10	0	6	3	3	10	10
31...	0	0	0	0	0	0	7	4	3	20	11
JUN											
01...	0	1	0	1	0	0	4	2	2	10	6
02...	0	1	0	1	0	0	4	0	4	20	6

MISSISSIPPI RIVER DELTA

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300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PH)	LEAD, DIS- SOLVED (UG/L AS PH)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
APR											
19...	65	0	.0	.0	.0	11	11	0	0	0	--
20...	3	0	.0	.0	.0	3	3	0	0	0	--
21...	33	0	.0	.0	.0	7	7	0	0	0	.2
23...	59	0	.0	.0	.0	10	10	0	0	0	--
24...	140	0	.0	.0	.0	3	3	0	0	0	--
25...	30	1	.0	.0	.0	3	3	0	0	0	2.3
26...	180	1	.0	.0	.0	28	28	0	0	0	--
27...	36	0	.1	.1	.0	6	6	0	1	1	.5
28...	16	0	.0	.0	.0	10	10	0	1	1	.6
29...	39	0	.0	.0	.0	10	10	0	1	1	.6
30...	34	0	.2	.2	.0	6	6	0	1	0	--
MAY											
01...	9	0	.0	.0	.0	6	4	2	0	0	--
02...	15	0	.0	.0	.0	4	0	4	0	0	--
04...	13	0	.1	.1	.0	4	1	3	1	1	0
05...	6	0	.0	.0	.1	3	0	3	0	0	--
06...	15	0	.0	.0	.0	6	5	1	0	0	.1
07...	4	0	.0	.0	.0	3	0	3	1	1	.3
08...	15	0	.0	.0	.0	3	3	0	0	0	.5
09...	7	0	.1	.1	.0	3	0	3	1	1	.5
10...	4	0	.0	.0	.0	5	5	0	0	0	--
10...	4	0	.0	.0	.0	5	5	0	0	0	--
11...	15	0	.0	.0	.0	8	8	0	1	1	.1
12...	4	0	.3	.3	.0	6	6	0	0	0	--
15...	9	0	.1	.1	.0	6	6	0	0	0	.0
16...	2	0	.0	.0	.0	5	5	0	0	0	.2
17...	7	0	.0	.0	.0	5	5	0	0	0	--
18...	6	0	.0	.0	.0	5	5	0	0	0	.2
19...	6	0	.0	.0	.0	4	4	0	0	0	.0
20...	35	0	.0	.0	.0	6	6	0	1	0	.0
21...	4	0	.0	.0	.0	7	4	3	0	0	.0
22...	7	0	.1	.1	.0	4	4	0	1	1	.0
23...	7	0	.0	.0	.0	4	4	0	1	1	.0
24...	10	1	.0	.0	.0	6	4	2	0	0	.0
25...	10	1	.0	.0	.0	7	5	2	0	0	.0
29...	4	4	.1	.1	.0	6	2	4	0	0	.3
30...	9	1	.0	.0	.0	8	6	2	0	0	.5
31...	9	2	.1	.1	.0	5	3	2	1	1	.0
JUN											
01...	6	0	.0	.0	.0	5	3	2	0	0	.0
02...	6	0	--	--	.0	3	0	3	--	--	.0

MISSISSIPPI RIVER DELTA

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
APR												
19...	20	10	10	8.1	.00	0	0	.0	.00	.000	.0	.000
20...	10	0	10	7.8	.00	20	0	.0	.00	.000	.0	.000
21...	30	30	3	10	.00	3	0	.0	.00	.000	.0	.000
23...	30	30	3	10	.00	4	0	.0	.00	.000	.0	.000
24...	20	20	3	8.0	.00	6	0	.0	.00	.000	.0	.000
25...	20	10	10	8.8	.00	2	0	.0	.00	.000	.0	.000
26...	20	10	10	8.7	.00	1	0	.0	.00	.000	.0	.000
27...	20	10	10	8.3	.00	1	--	.0	.00	.000	.0	.000
28...	30	20	10	8.3	.00	1	0	.0	.00	.000	.0	.000
29...	40	30	10	22	.00	3	0	.0	.00	.000	.0	.000
30...	30	20	10	7.0	.00	1	0	.0	.00	.000	.0	.000
MAY												
01...	20	10	10	7.3	.00	1	0	.0	.00	.000	.0	.000
02...	10	0	10	9.3	.00	3	--	.0	.00	.000	.0	.000
04...	20	10	10	11	.00	2	--	--	--	--	--	--
05...	20	10	10	7.9	.00	2	0	.0	.00	.000	.0	.000
06...	20	10	10	--	1.0	11	0	.0	.00	.000	.0	.000
07...	20	10	10	6.5	.00	3	0	--	--	--	--	--
08...	20	10	10	8.7	.00	8	--	.0	.00	.000	.0	.000
09...	30	20	10	5.1	.00	1	--	.0	.00	.000	.0	.000
10...	30	20	10	6.9	.00	1	--	.0	.00	.000	.0	.000
10...	30	20	10	6.9	.00	1	--	.0	.00	.000	.0	.000
11...	40	30	10	6.0	.00	0	--	.0	.00	.000	.0	.000
12...	10	0	10	8.4	.00	4	--	.0	.00	.000	.0	.000
15...	30	20	10	5.6	.00	0	--	.0	.00	.000	.0	.000
16...	10	0	10	6.9	.00	1	--	.0	.00	.000	.0	.000
17...	20	10	10	8.6	.00	0	--	.0	.00	.000	.0	.000
18...	10	0	10	6.7	.00	4	--	.0	.00	.000	.0	.000
19...	20	10	10	7.4	.00	2	--	.0	.00	.000	.0	.000
20...	30	20	10	6.7	.00	0	--	.0	.00	.000	.0	.000
21...	20	10	10	4.7	.00	0	--	.0	.00	.000	.0	.000
22...	20	10	10	--	.00	3	--	.0	.00	.000	.0	.000
23...	20	10	10	6.0	.00	3	--	.0	.00	.000	.0	.000
24...	10	0	10	4.7	.00	1	0	.0	.00	.000	.0	.000
25...	30	20	10	7.8	.00	3	3	.0	.00	.000	.0	.000
29...	20	10	10	5.0	.00	3	0	.0	.00	.000	.0	.000
30...	20	10	10	6.4	.00	2	0	.0	.00	.000	.0	.000
31...	20	10	10	5.4	.00	3	0	.1	.00	.000	.0	.000
JUN												
01...	20	10	10	5.1	.00	1	0	.0	.00	.000	.0	.000
02...	20	0	20	5.4	.00	0	1	.0	.00	.000	.0	.000

MISSISSIPPI RIVER DELTA

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300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDT* TOTAL (UG/L)	DDT* TOTAL (UG/L)	DI- AZINON* TOTAL (UG/L)	DI- ELDORIN TOTAL (UG/L)	ENDO- SULFAN* TOTAL (UG/L)	ENDORIN* TOTAL (UG/L)	ETHION* TOTAL (UG/L)	HEPTA- CHLOR* TOTAL (UG/L)	HEPTA- CHLOR* EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION* TOTAL (UG/L)	METH- OXY- CHLOR* TOTAL (UG/L)
APR												
19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	--	.000	.000	.000	.00	.000	.000	.000	.00	.00
26...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
27...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
10...	.000	.000	.01	.000	.000	.000	.01	.000	.000	.000	.00	.00
10...	.000	.000	.01	.000	.000	.000	.01	.000	.000	.000	.00	.00
11...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
15...	.000	.003	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
16...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
17...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.002	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
31...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
01...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

MISSISSIPPI RIVER DELTA

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MEIHYL PARA- THION, TOTAL (UG/L)	MEIHYL THI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL THI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR												
19...	.00	.00	.00	.00	.00	.0	.00	.02	.02	.00	--	--
20...	.00	.00	.00	.00	.00	.0	.00	.01	.02	.00	11.1	.000
21...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.07	.000
23...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	5.84	.000
24...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.70	.000
25...	.00	.00	.00	.00	.00	.0	.00	.01	.02	.00	3.57	.000
26...	.00	.00	.00	.00	.00	.0	.00	.07	.01	.00	3.44	.000
27...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	.970	.000
28...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	1.36	.000
29...	.00	.00	.00	.00	.00	.0	.00	.02	.02	.00	.000	.000
30...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	5.91	.000
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	8.68	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.05	.000
04...	--	--	--	--	--	--	--	--	--	--	3.10	.000
05...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	3.45	.000
06...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.09	.000
07...	--	--	--	--	--	--	--	--	--	--	11.2	.000
08...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	7.39	.000
09...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	7.41	.000
10...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.70	.000
10...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.70	.000
11...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.02	.000
12...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.45	.000
15...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.17	.000
16...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.29	.000
17...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.31	.000
18...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	6.09	.000
19...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	17.7	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	27.7	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.00	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.35	.000
23...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.75	.000
24...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	7.23	.000
25...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	8.36	.000
29...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	3.51	.000
30...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.02	.000
31...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.53	.000
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	9.65	.000
02...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	14.3	.420

MISSISSIPPI RIVER DELTA

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300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
JUN												
03...	0800	172	7.1	30	30	<1.0	8.4	10	1.6	K64	K2	29
04...	1045	338	8.0	30	35	<1.0	8.3	6	1.5	<4	<2	130
05...	0900	369	7.9	30	75	<1.0	6.9	15	.4	K2	<2	120
06...	1000	373	7.8	5	70	<1.0	6.7	14	.5	<10	<4	120
07...	0920	377	7.6	5	55	<1.0	6.6	15	.4	K8	<2	120
08...	0950	440	7.9	5	80	<1.0	6.5	20	.6	K20	K4	120
09...	0935	488	7.7	15	50	<1.0	7.0	17	.3	<4	<2	130
10...	0915	474	8.0	20	35	<1.0	8.5	12	1.1	<4	<2	130
11...	1100	356	7.8	30	65	<1.0	7.1	20	.7	K50	<2	120
12...	1020	627	7.5	120	150	<1.0	7.1	36	1.5	1300	130	120
13...	0955	469	7.6	20	120	<1.0	7.5	22	.6	K240	<7	120
14...	0905	882	7.4	10	65	<1.0	7.1	26	2.4	600	K130	140

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
JUN												
03...	9	5.8	3.6	21	58	1.7	2.6	25	0	21	11	35
04...	42	32	11	20	25	.8	3.3	102	0	84	38	28
05...	36	29	12	27	32	1.1	3.8	103	0	84	40	35
06...	33	33	9.9	27	31	1.1	3.9	106	0	87	41	32
07...	35	30	12	28	32	1.1	3.8	104	0	85	43	38
08...	36	28	13	37	38	1.5	4.3	102	0	84	43	51
09...	50	30	12	48	44	1.9	4.5	93	0	76	45	74
10...	49	30	13	44	42	1.7	4.3	97	0	80	43	68
11...	41	27	13	32	36	1.3	4.1	97	0	80	44	45
12...	49	26	14	71	55	2.8	4.9	90	0	74	45	120
13...	44	27	13	50	46	2.0	4.1	94	0	77	43	74
14...	69	28	18	120	63	4.4	6.7	92	0	75	55	190

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE (MG/L AS N)	NITROGEN, NITRITE (MG/L AS N)	NITROGEN, NITROGENOUS (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, SUSPENDED (UG/L AS AS)	ARSENIC, DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BE)
JUN											
03...	8	1.4	.08	1.5	.40	.17	2	1	1	0	0
04...	21	1.5	.08	1.6	.77	.11	2	0	2	0	0
05...	37	1.5	.16	1.7	.57	.14	3	1	2	0	0
06...	30	1.4	.30	1.7	.51	.14	2	1	1	0	0
07...	28	1.3	.26	1.6	.40	.14	2	0	2	0	0
08...	66	1.5	.14	1.0	.50	.19	2	1	1	0	0
09...	59	1.5	.08	1.6	.55	.21	1	0	1	0	0
10...	11	1.2	.06	1.3	.75	.12	1	0	1	0	0
11...	71	1.3	.08	1.4	.68	.18	1	0	1	0	0
12...	254	1.1	.12	1.2	.48	.43	3	2	1	1	0
13...	106	.84	.06	.90	.41	.01	3	2	1	1	0
14...	89	1.1	.10	1.2	.47	.03	2	1	1	1	0

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

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

MISSISSIPPI RIVER DELTA

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
JUN											
03...	0	1	0	1	10	0	5	3	2	510	7
04...	0	1	0	1	10	0	3	1	2	10	6
05...	0	1	0	1	0	0	3	2	1	10	6
06...	0	1	0	1	10	0	4	3	1	10	4
07...	0	1	0	1	10	0	5	4	1	10	19
08...	0	1	0	1	10	0	5	4	1	10	3
09...	0	1	0	1	10	0	5	4	1	10	82
10...	0	1	0	1	10	0	4	3	1	10	10
11...	0	1	0	1	10	0	5	5	0	0	19
12...	1	1	0	1	20	0	10	7	3	0	22
13...	1	1	0	1	20	0	7	5	2	20	9
14...	1	1	0	1	20	0	6	4	2	0	26

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PR)	LEAD, DIS- SOLVED (UG/L AS PH)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
JUN												
03...	7	0	.0	.0	.0	5	2	3	0	0	0	.0
04...	6	0	.0	.0	.0	5	3	2	1	0	1	.0
05...	6	0	.0	.0	.0	6	0	6	1	0	1	.7
06...	4	0	.0	.0	.0	5	2	3	0	0	0	.6
07...	19	0	.0	.0	.0	5	2	3	0	0	0	.6
08...	2	1	.0	.0	.0	8	5	3	0	0	0	.9
09...	81	1	.1	.0	.1	7	4	3	0	0	0	.0
10...	9	1	.0	.0	.0	9	6	3	0	0	0	.4
11...	18	1	.0	.0	.0	9	6	3	1	0	1	.2
12...	22	0	.1	.1	.0	12	9	3	1	1	0	--
13...	9	0	.0	.0	.0	8	4	4	1	1	0	.1
14...	26	0	.0	.0	.0	9	5	4	0	0	0	--

300922090171500 LAKE PONTCHARTRAIN NEAR KENNER, LA (CE 85742)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
JUN												
03...	10	10	0	5.7	.00	2	0	.0	.00	.000	.0	.000
04...	20	10	10	5.5	.00	0	--	.0	.00	.000	.0	.000
05...	20	10	10	5.9	.00	1	--	.0	.00	.000	.0	.000
06...	10	0	10	6.6	.00	3	--	.0	.00	.000	.0	.000
07...	30	20	10	5.8	.00	6	--	.0	.00	.000	.0	.000
08...	20	10	10	6.3	.00	1	--	--	--	--	--	--
09...	20	10	10	--	.00	3	--	--	--	--	--	--
10...	20	10	10	--	.00	0	--	--	--	--	--	--
11...	20	10	10	--	.00	1	--	--	--	--	--	--
12...	40	40	3	--	.00	2	--	.0	.00	.000	.0	.000
13...	30	30	3	--	.00	3	--	.0	.00	.000	.0	.000
14...	20	20	3	--	.00	0	--	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
JUN												
03...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
05...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	--	--	.00	--	--	--	.00	--	--	--	.00	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
14...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)
JUN												
03...	.00	.00	.00	.00	.00	.0	.00	.10	.00	.00	12.6	.000
04...	.00	.00	.00	.00	.00	.0	.00	--	--	--	14.8	.000
05...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.57	.000
06...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.85	.000
07...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.67	.000
08...	.00	.00	--	.00	--	--	.00	--	--	--	4.70	.000
09...	--	--	--	--	--	--	--	--	--	--	6.09	.000
10...	--	--	--	--	--	--	--	--	--	--	26.8	.000
11...	--	--	--	--	--	--	--	--	--	--	17.4	.000
12...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	12.4	.000
13...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.12	.000
14...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	41.4	.000

MISSISSIPPI RIVER DELTA

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

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

DRAINAGE AREA.--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 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHUS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HK)	OXYGEN DEMAND, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HANDNESS (MG/L AS CaCO3)
OCT												
30...	0825	2980	7.9	15	4	<1.0	8.1	53	.4	1100	K8	290
NOV												
20...	0945	3170	7.3	20	10	<1.0	8.4	47	1.0	1400	K4	320
DEC												
18...	0915	4950	7.5	15	2	<1.0	11.2	120	2.0	210	K6	510
JAN												
26...	0935	1010	7.2	50	80	<1.0	11.2	69	2.5	20000	K3000	110
FEB												
22...	0930	935	7.1	60	20	<1.0	9.5	41	1.0	540	K28	95
MAR												
15...	1040	635	6.7	40	60	<1.0	8.6	32	.7	K1000	K8	72
APR												
16...	0945	179	6.5	80	9	<1.0	4.4	30	.2	9200	K24	21
19...	1330	500	7.2	80	25	<1.0	7.2	35	1.8	K100	K24	60
20...	1125	594	7.0	70	30	<1.0	7.4	38	1.7	K12	K8	65
21...	1000	1360	7.4	40	60	<1.0	7.7	36	.6	<4	<2	140
23...	1040	3510	7.6	15	60	<1.0	7.8	34	.4	K140	K4	210
24...	1000	1520	7.2	50	30	<1.0	7.2	32	2.7	120	K24	150
25...	0955	825	7.0	50	20	<1.0	7.5	27	.9	K32	K4	89
26...	1230	878	7.1	40	30	<1.0	6.6	30	1.5	520	K16	93
27...	1010	869	7.0	50	25	<1.0	6.8	30	1.6	K40	<2	93
28...	1030	587	6.6	60	20	<1.0	6.2	32	.9	K16	K10	61
29...	1020	516	6.8	50	20	<1.0	6.7	28	.2	K16	K10	61
30...	1415	318	6.8	70	25	<1.0	6.7	30	2.3	700	K8	40
MAY												
01...	1420	247	6.7	60	20	<1.0	6.4	26	1.0	250	<4	36
02...	1215	191	6.6	60	25	<1.0	7.2	27	.9	860	K12	28
04...	0945	110	6.5	70	25	<1.0	6.6	32	.5	K13	<13	20
05...	1015	125	6.7	100	30	<1.0	7.0	25	.4	92	K14	20
06...	0935	230	6.5	100	20	<1.0	7.7	28	.9	K68	K22	27
07...	1155	245	6.9	8	15	<1.0	7.0	24	.9	88	K24	33
08...	1040	276	6.9	70	15	<1.0	6.5	26	.9	K60	K20	37
09...	1200	268	6.9	40	15	<1.0	6.5	31	1.5	K32	K8	29
10...	1200	226	6.5	80	7	<1.0	4.5	35	.2	K60	K12	30
11...	1020	262	6.9	70	15	<1.0	6.2	38	--	1200	K20	36
12...	0945	275	7.0	70	15	<1.0	6.0	19	.3	K20	K16	38
15...	0920	303	6.8	70	20	<1.0	6.6	25	.7	K80	K24	39
16...	1030	256	6.7	60	15	<1.0	7.0	29	.2	1300	<4	35
17...	0930	245	6.8	70	15	<1.0	6.4	26	.7	840	K4	33
18...	0930	248	6.5	80	15	<1.0	6.7	29	1.2	1500	K6	38
19...	0755	294	6.9	70	20	<1.0	7.6	28	1.4	400	<2	38
20...	0755	383	6.8	60	20	<1.0	7.7	28	1.3	520	<2	45
21...	1020	296	7.0	60	15	<1.0	6.5	28	.4	K120	K2	30
22...	0825	369	7.3	70	20	<1.0	6.8	28	.5	K140	<2	51
23...	1025	433	7.5	90	20	<1.0	6.8	26	.5	K80	K34	62
24...	0900	211	7.0	100	25	<1.0	7.4	28	1.7	K2600	K55	29

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT												
30...	260	23	57	470	76	12	22	40	0	33	130	850
NOV												
20...	290	24	62	530	77	13	23	36	0	30	140	990
DEC												
18...	470	40	99	830	76	16	40	43	0	35	220	1400
JAN												
26...	84	11	19	150	73	6.4	9.6	27	0	22	47	270
FEB												
22...	76	10	17	130	73	5.8	8.6	23	0	19	41	240
MAR												
15...	55	9.0	12	100	73	5.1	5.7	20	0	16	35	170
APR												
16...	6	3.6	2.8	22	67	2.1	2.5	18	0	15	7.1	35
19...	41	7.6	10	78	72	4.4	4.9	23	0	19	24	130
20...	46	8.0	11	88	73	4.7	5.2	24	0	20	13	160
21...	110	15	24	210	75	7.8	9.8	32	0	26	59	350
23...	190	20	40	320	75	9.5	16	32	0	26	97	540
24...	120	15	27	240	76	8.6	11	31	0	25	65	420
25...	66	11	15	120	73	5.5	6.6	28	0	23	36	210
26...	73	11	16	130	74	5.9	6.8	25	0	21	37	230
27...	74	11	16	120	72	5.4	6.8	24	0	20	36	230
28...	42	8.1	10	81	72	4.5	5.1	24	0	20	25	140
29...	43	8.9	9.4	69	69	3.8	4.6	22	0	18	22	130
30...	26	6.0	6.0	44	69	3.0	3.4	17	0	14	14	74
MAY												
01...	20	6.3	4.9	33	64	2.4	3.1	20	0	16	12	54
02...	11	5.1	3.8	25	63	2.0	2.8	21	0	17	6.7	41
04...	9	6.0	1.2	14	57	1.4	2.5	14	0	11	11	20
05...	9	4.0	2.5	16	60	1.5	2.5	14	0	11	6.6	28
06...	13	5.0	3.6	31	68	2.6	3.3	18	0	15	11	53
07...	15	5.1	4.8	33	66	2.5	3.1	21	0	17	10	53
08...	20	6.0	5.3	36	67	2.7	3.1	20	0	16	14	63
09...	7	5.8	3.6	37	71	3.0	2.9	27	0	22	13	60
10...	12	5.2	4.1	30	66	2.4	2.9	22	0	18	12	45
11...	16	6.2	5.0	34	65	2.5	3.0	25	0	21	12	53
12...	19	6.5	5.4	38	66	2.7	3.2	24	0	20	14	59
15...	21	6.4	5.7	41	67	2.8	3.3	22	0	18	15	64
16...	17	5.8	5.0	34	65	2.5	3.2	22	0	18	12	56
17...	15	5.4	4.8	32	65	2.4	3.1	22	0	18	12	51
18...	19	6.8	5.1	34	64	2.4	3.2	23	0	19	12	51
19...	20	5.9	5.6	40	67	2.8	3.3	22	0	18	13	66
20...	28	6.1	7.2	54	70	3.5	4.1	20	0	16	17	88
21...	11	5.1	4.1	27	64	2.2	2.9	23	0	19	12	43
22...	28	7.8	7.6	48	65	2.9	4.1	28	0	23	18	79
23...	34	10	9.0	56	64	3.1	4.3	34	0	28	23	93
24...	11	4.8	4.2	27	64	2.2	2.9	22	0	18	12	40

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS+ RESIDUE AT 195 DEG. C. SUS- PENDED (MG/L)	NITRO- GEN+ NITRATE TOTAL (MG/L AS N)	NITRO- GEN+ NITRITE TOTAL (MG/L AS N)	NITRO- GEN+ NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
OCT											
30...	5	.01	.00	.01	.75	.04	1	0	1	0	0
NOV											
20...	12	.03	.01	.04	.61	.07	1	0	1	0	0
DEC											
18...	0	.01	.00	.01	.51	.04	1	0	1	20	0
JAN											
26...	112	.27	.02	.29	.63	.30	4	3	1	10	10
FEB											
22...	17	.20	.02	.22	.61	.09	1	0	1	10	0
MAR											
15...	39	.20	.04	.24	.79	.13	1	1	0	0	0
APR											
16...	54	.14	.02	.16	.97	.09	1	0	1	0	0
19...	22	.28	.08	.36	.82	.14	1	0	1	1	0
20...	32	.28	.06	.34	.65	.21	1	0	1	1	0
21...	132	.29	.02	.31	.65	.13	2	1	1	1	0
23...	118	.21	.02	.23	.43	.12	1	0	1	0	0
24...	50	.20	.02	.22	.52	.09	1	1	0	1	0
25...	15	.25	.08	.33	.56	.11	1	0	1	0	0
26...	96	.21	.02	.23	.52	.11	1	1	0	0	0
27...	40	.27	.02	.29	.48	.10	1	1	0	0	0
28...	24	.15	.06	.21	.58	.08	1	1	0	0	0
29...	18	.23	.04	.27	.65	.09	1	1	0	0	0
30...	18	.16	.02	.18	.50	.09	1	1	0	0	0
MAY											
01...	15	.15	.02	.17	.58	.09	1	0	1	0	0
02...	9	.13	.02	.15	.55	.10	1	0	1	0	0
04...	9	.06	.02	.08	.48	.09	1	0	1	0	0
05...	23	.06	.06	.12	.39	.09	1	0	1	0	0
06...	8	.09	.04	.13	.54	.09	1	0	1	0	0
07...	0	.06	.06	.12	.70	.10	1	0	1	0	0
08...	12	.07	.08	.15	.66	.11	1	0	1	0	0
09...	12	.13	.02	.15	.59	.09	1	0	1	0	0
10...	33	.10	.02	.12	.67	.10	1	0	1	0	0
11...	5	.11	.02	.13	.49	.08	1	0	1	0	0
12...	8	.13	.02	.15	.58	.09	1	0	1	0	0
15...	4	.15	.02	.17	.69	.08	2	1	1	0	0
16...	6	.14	.02	.16	.58	.10	1	0	1	0	0
17...	7	.11	.04	.15	.68	.10	1	0	1	0	0
18...	7	.12	.04	.16	.57	.10	1	0	1	0	0
19...	9	.12	.02	.14	.55	.11	1	0	1	0	0
20...	22	.14	.02	.16	.57	.09	1	0	1	0	0
21...	6	.11	.04	.15	.63	.12	1	0	1	0	0
22...	13	.23	.02	.25	.54	.09	2	1	1	0	0
23...	18	.34	.02	.36	.57	.09	1	0	1	0	0
24...	22	.12	.08	.20	.64	.11	1	0	1	0	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS FE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CU)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CU)	CADMIUM DIS- SOLVED (UG/L AS CU)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT											
30...	0	1	0	1	0	0	3	0	3	30	1
NOV											
20...	0	0	0	0	0	0	3	1	2	10	1
DEC											
10...	20	1	1	0	0	0	2	0	2	10	1
JAN											
20...	0	0	0	0	10	0	7	3	4	90	10
FEB											
22...	10	0	0	0	20	0	2	0	2	120	3
MAR											
15...	0	0	0	0	20	0	1	1	0	120	11
APR											
10...	0	0	0	0	10	0	8	6	2	420	13
19...	1	1	0	1	0	0	5	4	1	130	12
20...	1	1	0	1	0	0	7	5	2	110	38
21...	1	1	0	1	10	0	5	4	1	50	7
23...	0	0	0	0	0	0	6	5	1	0	120
24...	1	1	0	1	10	0	8	8	0	50	55
25...	0	0	0	0	10	0	5	1	4	80	48
26...	0	0	0	0	0	0	4	0	4	110	13
27...	0	0	0	0	0	0	5	3	2	160	49
28...	0	0	0	0	10	0	12	5	7	240	84
29...	0	0	0	0	10	0	80	79	1	190	26
30...	0	0	0	0	10	0	4	2	2	300	19
MAY											
01...	0	1	1	0	0	0	1	0	1	490	7
02...	0	0	0	0	0	0	2	1	1	110	4
04...	0	1	1	0	10	0	2	1	1	130	4
05...	0	1	1	0	10	0	2	1	1	130	5
06...	0	1	1	0	10	0	2	2	0	230	2
07...	0	0	0	0	0	0	2	1	1	30	2
08...	0	0	0	0	0	0	4	3	1	210	3
09...	0	1	1	0	10	0	3	2	1	240	8
10...	0	1	0	1	0	0	4	2	2	340	12
11...	0	0	0	0	10	0	5	4	1	220	5
12...	0	0	0	0	0	0	2	0	2	150	4
15...	0	0	0	0	0	0	12	11	1	180	20
16...	0	1	0	1	10	0	4	2	2	300	4
17...	0	0	0	0	0	0	5	0	5	220	14
18...	0	1	0	1	10	0	8	6	2	200	8
19...	0	0	0	0	10	0	2	0	2	280	2
20...	0	0	0	0	10	0	4	3	1	200	8
21...	0	0	0	0	0	1	3	2	1	350	5
22...	0	0	0	0	0	0	4	3	1	190	16
23...	0	0	0	0	10	0	6	2	4	100	7
24...	0	0	0	0	0	0	4	2	2	250	9

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDED RECOVER- ERABLE (UG/L AS PH)	LEAD, DIS- SOLVED (UG/L AS PH)	MERCURY TOTAL RECOVER- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOVER- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVER- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOVER- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOVER- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT												
30...	1	0	.0	.0	.0	4	2	2	0	0	0	--
NOV												
20...	1	0	.0	.0	.0	2	2	0	1	0	1	--
DEC												
18...	0	1	.1	.1	.0	3	0	3	0	0	0	--
JAN												
26...	10	0	.0	.0	.0	4	4	0	0	0	0	--
FEB												
22...	3	0	.1	.1	.0	2	0	2	0	0	0	--
MAR												
15...	11	0	.0	.0	.0	2	2	0	0	0	0	--
APR												
16...	13	0	.0	.0	.0	2	2	0	0	0	0	.3
19...	12	0	.0	.0	.0	5	5	0	0	0	0	--
20...	38	0	.0	.0	.0	0	0	0	0	0	0	--
21...	7	0	.0	.0	.0	4	4	0	0	0	0	--
23...	120	0	.0	.0	.0	3	3	0	0	0	0	--
24...	55	0	.0	.0	.0	2	2	0	0	0	0	--
25...	46	2	.0	.0	.0	3	3	0	0	0	0	--
26...	12	1	.0	.0	.0	3	3	0	0	0	0	--
27...	49	0	.0	.0	.0	3	3	0	0	0	0	--
28...	83	1	.0	.0	.0	6	6	0	0	0	0	--
29...	26	0	.1	.1	.0	4	4	0	0	0	0	--
30...	19	0	.1	.1	.0	3	3	0	1	1	0	1.5
MAY												
01...	7	0	.3	.3	.0	3	3	0	0	0	0	--
02...	4	0	.1	.1	.0	3	0	3	0	0	0	.5
04...	4	0	.0	.0	.0	4	2	2	0	0	0	.4
05...	5	0	.1	.1	.0	10	9	1	0	0	0	.5
06...	2	0	.0	.0	.0	5	4	1	0	0	0	.7
07...	2	0	.0	.0	.0	2	1	1	0	0	0	.6
08...	3	0	.1	.1	.0	4	4	0	0	0	0	.0
09...	8	0	.0	.0	.0	4	1	3	0	0	0	.7
10...	12	0	.0	.0	.0	5	5	0	0	0	0	.2
11...	5	0	.0	.0	.0	6	6	0	0	0	0	.0
12...	4	0	.3	.3	.0	5	5	0	0	0	0	.4
15...	20	0	.1	.1	.0	3	3	0	0	0	0	.0
16...	4	0	.0	.0	.0	3	3	0	0	0	0	.5
17...	14	0	.0	.0	.0	7	0	7	0	0	0	.1
18...	8	0	.0	.0	.0	7	7	0	0	0	0	.1
19...	2	0	.0	.0	.0	4	4	0	0	0	0	.5
20...	8	0	.0	.0	.0	7	7	0	0	0	0	.5
21...	5	0	.0	.0	.0	1	1	0	0	0	0	.4
22...	16	0	.0	.0	.0	2	2	0	0	0	0	.3
23...	7	0	.0	.0	.0	7	0	7	0	0	0	.0
24...	7	2	.0	.0	.0	6	4	2	0	0	0	.4

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOVERABLE (UG/L) AS Zn	ZINC, SUS- PENDED RECOVERABLE (UG/L) AS Zn	ZINC, DISS- SOLVED (UG/L) AS Zn	CARBON, ORGANIC TOTAL (MG/L) AS C	CYANIDE TOTAL (MG/L) AS CN	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT												
30...	20	0	20	7.3	.00	2	0	.0	.00	.000	.0	.000
NOV												
20...	20	10	10	8.0	.00	4	0	.0	.00	.000	.0	.000
DEC												
18...	20	0	20	0.6	.00	0	0	.0	--	.000	.0	.000
JAN												
26...	30	20	10	12	.00	5	0	.0	--	.000	.0	.000
FEB												
22...	10	0	10	11	.00	5	0	.0	--	.000	.0	.000
MAR												
15...	30	20	10	12	.00	2	0	.0	--	.000	.0	.000
APR												
16...	10	0	10	11	.00	3	0	.0	.00	.000	.0	.000
19...	10	0	10	12	.00	0	0	.0	.00	.000	.0	.000
20...	20	20	0	11	.00	12	0	.0	.00	.000	.0	.000
21...	20	20	0	14	.00	2	0	.0	.00	.000	.0	.000
23...	20	10	10	9.8	.00	3	0	.0	.00	.000	.0	.000
24...	20	20	0	9.1	.00	2	0	.0	.00	.000	.0	.000
25...	10	0	10	10	.00	6	0	.0	.00	.000	.0	.000
26...	10	0	10	11	.00	2	0	.0	.00	.000	.0	.000
27...	10	0	10	9.6	.00	0	0	.0	.00	.000	.0	.000
28...	20	10	10	9.1	.00	10	0	.0	.00	.000	.0	.000
29...	10	10	0	9.6	.00	5	0	.0	.00	.000	.0	.000
30...	10	0	10	9.1	.00	5	0	.0	.00	.000	.0	.000
MAY												
01...	10	10	0	11	.00	4	--	.0	.00	.000	.0	.000
02...	10	10	0	9.2	.00	3	--	.0	.00	.000	.0	.000
04...	10	0	10	10	.00	3	--	--	--	--	--	--
05...	10	10	0	10	.00	1	0	.0	.00	.000	.0	.000
06...	10	0	10	--	1.0	2	0	.0	.00	.000	.0	.000
07...	10	0	10	9.8	.00	3	0	--	--	--	--	--
08...	0	0	0	11	.00	3	--	.0	.00	.000	.0	.000
09...	20	20	0	12	.00	6	--	.0	.00	.000	.0	.000
10...	10	0	10	11	.00	1	--	.0	.00	.000	.0	.000
11...	10	0	10	9.7	.00	0	--	.0	.00	.000	.0	.000
12...	10	10	0	11	.00	2	--	.0	.00	.000	.0	.000
15...	20	10	10	9.5	.00	4	--	.0	.00	.000	.0	.000
16...	10	0	10	10	.00	5	--	.0	.00	.000	.0	.000
17...	10	0	10	11	.00	0	--	.0	--	.000	.0	.000
18...	20	10	10	10	.00	0	--	.0	.00	.000	.0	.000
19...	10	0	10	10	.00	4	--	.0	.00	.000	.0	.000
20...	10	0	10	11	.00	0	--	.0	.00	.000	.0	.000
21...	10	0	10	15	.00	3	--	.0	.00	.000	.0	.000
22...	10	10	0	--	.00	2	--	.0	.00	.000	.0	.000
23...	10	0	10	9.3	.00	2	--	.0	.00	.000	.0	.000
24...	10	10	0	11	.00	3	3	.0	.00	.000	.0	.000

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT												
30...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
NOV												
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC												
18...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN												
26...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
FEB												
22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR												
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR												
16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
26...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
27...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
28...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
10...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
11...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
17...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TUX- APHENE, TOTAL (UG/L)	TOTAL THI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT												
30...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	2.44	.000
NOV												
20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.73	.166
DEC												
18...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	10.5	.000
JAN												
26...	.00	.00	.00	.00	.00	.0	.00	.14	.06	.00	1.25	.000
FEB												
22...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	.270	.000
MAR												
15...	.00	.00	.00	.00	.00	.0	.00	.03	.02	.00	3.09	.000
APR												
16...	.00	.00	.00	.00	.00	.0	.00	.01	.02	.00	5.58	.000
19...	.00	.00	.00	.00	.00	.0	.00	.03	.02	.00	1.92	.000
20...	.00	.00	.00	.00	.00	.0	.00	.04	.03	.00	1.54	.000
21...	.00	.00	.00	.00	.00	.0	.00	.02	.02	.00	5.92	.000
23...	.00	.00	.00	.00	.00	.0	.00	.01	.03	.00	4.12	.000
24...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.27	.000
25...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	1.10	.000
26...	.00	.00	.00	.00	.00	.0	.00	.05	.02	.00	1.96	.000
27...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	1.92	.000
28...	.00	.00	.00	.00	.00	.0	.00	--	--	--	1.76	.000
29...	.00	.00	.00	.00	.00	.0	.00	.05	.00	.00	.880	.000
30...	.00	.00	.00	.00	.00	.0	.00	.06	.00	.00	1.20	.000
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	2.19	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.75	.000
04...	--	--	--	--	--	--	--	--	--	--	1.95	.000
05...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	.000	.000
06...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	3.93	.000
07...	--	--	--	--	--	--	--	--	--	--	2.20	.000
08...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	3.62	.000
09...	.00	.00	.00	.00	.00	.0	.00	.06	.00	.00	2.99	.000
10...	.00	.00	.00	.00	.00	.0	.00	.08	.01	.00	3.21	.000
11...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.42	.000
12...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.01	1.29	.000
15...	.00	.00	.00	.00	.00	.0	.00	--	--	--	.000	.000
16...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	2.11	.000
17...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.01	.000	.000
18...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	3.26	.000
19...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	6.68	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.18	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	1.79	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.16	.000
23...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.88	.000
24...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	2.41	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	CULIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	CULIFORM, FECALE, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
MAY												
25...	0955	230	7.2	80	15	<1.0	6.7	27	.4	K12	K12	37
29...	1025	278	7.5	80	15	<1.0	7.9	22	1.2	K20	K2	65
30...	0850	1650	7.8	15	30	<1.0	7.7	22	.4	K4	K2	180
31...	0925	307	7.5	40	15	<1.0	7.6	19	1.4	1500	K38	83
JUN												
01...	0910	266	7.3	80	10	<1.0	7.2	22	.5	500	K8	71
02...	0925	226	7.2	70	10	<1.0	7.0	27	.9	<10	K4	53
03...	0820	353	7.8	70	10	<1.0	7.2	14	.6	88	<2	130
04...	1100	156	7.1	80	10	<1.0	7.4	16	.8	K300	K6	29
05...	0930	166	7.0	80	15	<1.0	6.7	23	.1	24	K20	30
06...	1020	228	7.2	40	10	<1.0	6.8	20	.9	K2	<2	53
07...	0935	314	7.4	10	10	<1.0	7.2	13	.6	K32	<10	84
08...	1010	314	7.8	10	8	<1.0	7.9	11	.6	K140	K8	110
09...	0950	320	8.0	5	6	<1.0	7.9	15	.7	K12	K6	110
10...	0930	332	7.9	30	8	<1.0	8.7	16	1.7	K4	<2	110
11...	1125	418	7.8	30	45	<1.0	7.2	15	1.0	K50	K10	120
12...	1045	304	7.5	20	15	<1.0	6.8	15	.1	K40	<1	85
13...	1015	345	7.5	20	20	<1.0	7.3	13	.6	K60	K6	95
14...	0925	353	7.5	10	20	<1.0	7.7	20	.5	<10	K5	89
JUL												
18...	1055	658	6.8	30	15	<1.0	6.9	21	1.1	K68	<4	85
AUG												
15...	1025	573	6.8	80	50	<1.0	6.7	31	.6	K120	K15	70
SEP												
04...	1405	1700	7.3	30	15	<1.0	7.4	32	.2	K16	<2	180

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM, PERCENT	SODIUM, AD-SORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
MAY												
25...	17	6.8	4.8	29	61	2.1	3.0	24	0	20	13	51
29...	25	14	7.2	28	47	1.5	3.2	48	0	39	22	41
30...	140	21	31	260	74	8.4	13	44	0	36	81	480
31...	32	19	8.7	25	39	1.2	3.0	63	0	52	27	42
JUN												
01...	24	16	7.5	23	40	1.2	3.1	57	0	47	25	35
02...	19	12	5.7	23	47	1.4	2.7	42	0	34	21	35
03...	41	33	11	22	27	.8	3.2	106	0	87	38	32
04...	9	5.7	3.6	18	55	1.5	2.6	25	0	21	10	31
05...	7	6.1	3.7	21	55	1.7	5.2	28	0	23	10	31
06...	15	11	6.2	22	46	1.3	3.0	46	0	38	19	32
07...	23	17	10	23	36	1.1	3.4	74	0	61	34	30
08...	39	25	11	21	29	.9	3.2	86	0	71	40	26
09...	37	25	11	21	29	.9	3.3	89	0	73	40	27
10...	37	24	11	23	31	1.0	3.6	83	0	68	40	32
11...	45	26	13	36	39	1.4	4.4	90	0	74	42	52
12...	30	19	9.2	24	37	1.1	3.3	68	0	56	31	35
13...	38	20	11	29	39	1.3	4.1	70	0	57	36	40
14...	29	19	10	32	43	1.5	3.6	73	0	60	32	45
JUL												
18...	59	11	14	88	67	4.2	6.4	32	0	26	36	150
AUG												
15...	41	10	11	68	66	3.5	5.4	35	0	29	24	130
SEP												
04...	140	21	32	260	74	8.3	14	48	0	39	84	460

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

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

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
MAY											
25...	21	.21	.02	.23	.61	.11	1	0	1	0	0
29...	12	.56	.02	.58	.72	.08	1	0	1	0	0
30...	37	.29	.02	.31	.42	.03	1	1	0	0	0
31...	14	.79	.02	.81	.52	.08	2	1	1	0	0
JUN											
01...	26	.72	.04	.76	.33	.07	2	0	2	0	0
02...	5	.41	.10	.51	.66	.08	2	1	1	0	0
03...	15	.38	.02	.40	.56	.11	2	0	2	0	0
04...	7	.08	.02	.10	.51	.13	2	1	1	0	0
05...	11	.07	.02	.09	.46	.14	2	1	1	0	0
06...	8	.43	.02	.45	.48	.11	1	0	1	0	0
07...	17	1.1	.04	1.1	.56	.09	1	0	1	0	0
08...	14	1.2	.04	1.2	.47	.09	1	0	1	0	0
09...	10	1.2	.06	1.3	.62	.08	1	0	1	0	0
10...	15	1.0	.06	1.1	.68	.06	1	0	1	0	0
11...	57	1.3	.14	1.4	.83	.12	1	0	1	0	0
12...	11	.77	.08	.85	.56	.08	2	1	1	1	0
13...	20	.92	.08	1.0	.84	.03	1	0	1	0	0
14...	22	.98	.12	1.1	.36	.03	2	1	1	1	0
JUL											
18...	24	.11	.04	.15	.50	.01	1	0	1	1	0
AUG											
15...	30	.19	.06	.25	.52	.13	2	1	1	0	--
SEP											
04...	17	.01	.00	.01	.66	.04	1	0	1	10	10

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
MAY											
25...	0	0	0	0	0	0	4	4	0	200	10
29...	0	0	0	0	0	0	18	16	2	160	98
30...	0	0	0	0	0	0	4	1	3	30	9
31...	0	0	0	0	0	0	7	5	2	110	15
JUN											
01...	0	1	0	1	10	0	2	0	2	120	10
02...	0	1	0	1	0	0	3	0	3	220	4
03...	0	1	0	1	0	0	4	2	2	10	6
04...	0	2	0	2	0	0	2	1	1	380	10
05...	0	1	0	1	0	0	4	0	4	140	10
06...	0	1	0	1	10	0	6	5	1	210	23
07...	0	1	0	1	10	0	5	4	1	30	12
08...	0	1	0	1	10	0	4	4	0	20	14
09...	0	1	0	1	0	0	9	8	1	10	29
10...	0	1	0	1	0	0	5	5	0	0	3
11...	0	1	0	1	10	0	4	3	1	10	9
12...	1	1	0	1	10	0	5	3	2	30	16
13...	0	1	0	1	0	0	4	0	4	40	43
14...	1	1	0	1	0	0	5	4	1	20	8
JUL											
18...	1	1	0	1	0	0	4	3	1	100	6
AUG											
15...	--	0	--	--	10	0	4	0	4	300	4
SEP											
04...	0	1	0	1	10	0	4	0	4	10	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDED RECOVER- ABLE (UG/L AS PH)	LEAD, DIS- SOLVED (UG/L AS PH)	MERCURY TOTAL RECOVER- ABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOVER- ABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVER- ABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOVER- ABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
MAY												
25...	8	2	.1	.1	.0	4	2	2	0	0	0	.0
29...	97	1	.1	.0	.1	5	3	2	0	0	0	.0
30...	8	1	.0	.0	.0	3	1	2	0	0	0	--
31...	14	1	.1	.0	.1	2	0	2	0	0	0	.0
JUN												
01...	10	0	.0	.0	.0	5	3	2	0	0	0	.0
02...	4	0	.0	.0	.0	2	0	2	0	0	0	.0
03...	6	0	.1	.1	.0	6	3	3	1	1	0	.0
04...	10	0	.0	.0	.0	2	0	2	0	0	0	.0
05...	10	0	.0	.0	.0	2	0	2	0	0	0	.0
06...	22	1	.0	.0	.0	14	10	4	0	0	0	.0
07...	11	1	.0	.0	.0	5	1	4	0	0	0	1.0
08...	13	1	.0	.0	.0	4	1	3	1	0	1	.0
09...	28	1	.0	.0	.0	6	3	3	1	1	0	.0
10...	2	1	.0	.0	.0	3	0	3	0	0	0	.0
11...	9	0	.0	.0	.0	7	4	3	1	0	1	.2
12...	15	1	.0	.0	.0	4	0	4	0	0	0	.0
13...	42	1	.0	.0	.0	5	1	4	0	0	0	.0
14...	8	0	.0	.0	.0	5	0	5	0	0	0	.0
JUL												
14...	6	0	.0	.0	.0	4	1	3	0	0	0	--
AUG												
15...	4	0	.0	.0	.0	5	5	0	0	0	0	--
SEP												
04...	0	0	.1	.1	.0	2	2	0	0	0	0	--

DATE	ZINC, TOTAL RECOVER- ABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOVER- ABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVER- ABLE GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)
MAY												
25...	10	0	10	11	.00	7	0	.0	.00	.000	.0	.000
29...	50	40	10	8.4	.00	4	0	.0	.00	.000	.0	.000
30...	20	10	10	7.5	.00	3	0	.0	.00	.000	.0	.000
31...	20	10	10	5.6	.00	3	0	.0	.00	.000	.0	.000
JUN												
01...	10	0	10	8.9	.00	0	0	.0	.00	.000	.0	.000
02...	20	10	10	7.4	.00	2	1	.0	.00	.000	.0	.000
03...	20	10	10	9.0	.00	8	0	.0	.00	.000	.0	.000
04...	10	0	10	11	.00	10	--	.6	.00	.000	.0	.000
05...	10	0	10	11	.00	7	--	--	--	--	--	--
06...	10	0	10	9.1	.00	1	--	.0	.00	.000	.0	.000
07...	20	10	10	6.4	.00	3	--	.0	.00	.000	.0	.000
08...	10	0	10	4.7	.00	1	--	.0	.00	.000	.0	.000
09...	40	30	10	--	.00	1	--	--	--	--	--	--
10...	10	0	10	--	.00	3	--	--	--	--	--	--
11...	10	0	10	--	.00	2	--	--	--	--	--	--
12...	10	7	3	--	.00	2	--	.0	.00	.000	.0	.000
13...	10	0	10	--	.00	4	--	.0	.00	.000	.0	.000
14...	20	20	3	--	.00	1	--	.0	.00	.000	.0	.000
JUL												
14...	20	20	3	7.7	.00	2	--	.0	.00	.000	.0	.000
AUG												
15...	0	--	--	--	.00	1	0	.0	.00	.000	.0	.000
SEP												
04...	0	0	0	--	.00	2	--	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELURIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRI, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR- EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
MAY												
25...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
31...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
03...	.000	.000	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.000		.000	.00	.00
05...	--	--	--	--	--	--	--	--	--	--	--	--
06...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
14...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL												
18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG												
15...	.000	.007	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP												
04...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL THI- THION, TOTAL (UG/L)	MIXE, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL THI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAY												
25...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	3.11	.000
29...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	12.1	1.79
30...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	.060	.000
31...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	8.12	.000
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	4.98	.000
02...	.00	.00	.00	.00	.00	.0	.00	.08	.01	.01	8.54	.000
03...	.00	.00	.00	.00	.00	.0	.00	.10	.01	.00	6.40	.000
04...	.00	.00	.00	.00	.00	.0	.00	--	--	--	8.34	.000
05...	--	--	--	--	--	--	--	--	--	--	7.91	.000
06...	.00	.00	.00	.00	.00	.0	.00	.11	.01	.02	4.76	.000
07...	.00	.00	.00	.00	.00	.0	.00	--	--	--	6.59	.000
08...	.00	.00	.00	.00	.00	.0	.00	--	--	--	16.0	.000
09...	--	--	--	--	--	--	--	--	--	--	14.6	.000
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	14.0	.000
12...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	5.51	.000
13...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	6.78	.000
14...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	10.1	.000
JUL												
18...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	17.0	.500
AUG												
15...	.00	.00	.00	.00	.00	.0	.00	.12	.00	.00	5.26	.000
SEP												
04...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	8.74	.000

MISSISSIPPI RIVER DELTA

07380230 PASS MANCHAC AT MANCHAC, LA (CE 85420)

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

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

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

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

CHLORIDE: Maximum daily, 8,400 mg/L Apr. 19, 1977; minimum daily, 11 mg/L Aug. 19, 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 29.5°C July 7, 8; minimum daily, 4.0°C Jan. 15.

CHLORIDE: Maximum daily, 1,300 mg/L Nov. 26, 27; minimum daily, 32 mg/L June 2, 4, 5.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
DAILY

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

MISSISSIPPI RIVER DELTA

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	540	480	640	700	180	80	440	80	38	54	140	400
2	780	520	560	860	220	54	320	80	32	90	120	200
3	260	450	580	620	260	92	360	40	40	100	120	260
4	300	500	500	760	280	340	140	40	32	44	140	260
5	520	450	400	860	280	160	140	60	32	72	140	160
6	220	500	500	820	1100	100	280	60	34	60	120	120
7	280	600	500	840	520	60	180	80	38	160	120	200
8	320	500	400	420	300	80	160	80	38	260	180	140
9	280	530	300	420	220	340	180	80	34	270	280	140
10	460	590	340	640	200	200	160	80	42	260	300	180
11	380	790	560	40	160	80	340	80	40	140	120	400
12	760	520	480	120	960	120	380	60	60	140	80	440
13	600	560	440	120	80	340	360	80	46	200	200	460
14	440	640	520	400	240	320	240	100	48	120	220	220
15	440	920	520	620	340	120	180	80	52	100	200	220
16	420	680	700	700	60	140	220	100	54	80	160	280
17	420	740	680	680	60	240	180	100	42	80	140	360
18	640	580	580	680	140	360	160	60	42	220	140	660
19	860	540	580	700	200	---	180	60	48	180	260	700
20	420	500	720	820	260	500	160	40	48	160	260	700
21	680	460	460	400	440	120	380	100	48	82	160	600
22	450	440	560	340	60	160	360	80	46	76	120	420
23	520	420	640	600	60	100	380	80	50	340	120	360
24	420	380	860	340	100	280	120	80	48	420	96	240
25	440	580	420	660	120	160	200	80	48	400	300	320
26	500	1300	460	260	140	100	160	80	70	180	320	400
27	480	1300	400	400	140	380	180	60	90	240	300	360
28	520	720	940	100	140	360	160	60	100	260	340	280
29	480	900	1000	220	---	160	120	60	100	220	340	140
30	680	640	1200	320	---	320	120	50	68	140	460	160
31	980	---	1200	180	---	580	---	52	---	120	280	---

MISSISSIPPI RIVER DELTA

300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014)

LOCATION.--Lat 30°01'43", long 90°25'45", in lot 24, T.12 S., R.7 E., St. Charles Parish, Hydrologic Unit 08090202, 4.0 mi (6.4 km) southeast of Laplace.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1979 to June 1979 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L-HR)	OXYGEN-DISSOLVED (MG/L)	OXYGEN DEMAND-CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND-BIO-CHEMICAL 5 DAY (MG/L)	COLIFORM-TOTAL IMMEDIATE (COLS./100 ML)	COLIFORM-FECAL 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
APR												
19...	1245	292	7.8	30	75	<1.0	9.0	21	2.4	360	<4	110
20...	1050	276	7.7	40	95	<1.0	8.4	29	1.5	240	240	110
21...	0930	291	7.6	20	130	<1.0	7.6	30	2.2	K800	120	110
23...	1000	291	7.6	15	90	<1.0	7.8	21	1.5	460	K240	110
24...	0920	275	7.6	40	140	<1.0	7.7	21	1.0	640	400	100
25...	0915	272	7.3	15	90	<1.0	7.5	21	1.8	520	130	110
26...	0915	275	7.7	40	95	<1.0	7.8	24	1.2	580	130	110
27...	0915	288	7.6	20	130	<1.0	7.6	26	1.1	K600	K600	110
28...	0930	285	7.4	20	140	<1.0	6.3	22	.0	K280	K80	110
29...	0930	280	7.5	30	100	<1.0	7.3	26	.4	540	K100	110
30...	1130	280	7.4	30	90	<1.0	7.7	23	.7	1300	82	120
MAY												
01...	1330	282	7.9	15	100	<1.0	7.3	21	.6	210	120	110
02...	1035	285	7.6	30	90	<1.0	7.3	17	.5	760	110	110
04...	0910	283	7.5	20	90	<1.0	7.6	18	.7	K400	170	110
05...	0925	285	7.5	30	75	<1.0	7.6	22	.7	520	<4	120
06...	0845	289	7.6	30	85	<1.0	7.5	18	.5	1000	160	120
07...	1100	294	7.8	15	80	<1.0	7.5	18	.8	K280	130	120
08...	1000	300	7.6	60	80	<1.0	7.6	15	.7	460	160	110
09...	1120	297	7.7	30	120	<1.0	8.0	19	1.4	560	130	120
10...	1115	304	7.6	30	95	<1.0	7.2	28	.9	660	96	130
11...	0945	303	7.6	20	80	<1.0	7.6	31	.5	6200	K260	130
12...	0850	305	7.7	15	75	<1.0	7.2	23	.0	500	K44	130
15...	0840	308	7.6	30	80	<1.0	7.6	27	2.6	K1200	180	130
16...	0955	311	7.6	20	95	<1.0	7.8	22	.9	720	190	130
17...	0855	307	7.7	40	80	<1.0	7.4	20	.4	K2600	220	120
18...	0900	303	7.6	30	75	<1.0	8.0	20	1.2	K2400	210	130
19...	0725	308	7.7	15	70	<1.0	8.1	20	.6	3400	K130	120
20...	0720	311	7.7	30	70	<1.0	8.0	20	.6	720	84	130
21...	0940	304	7.9	15	75	<1.0	7.9	20	.8	540	100	120
22...	0745	317	7.7	20	65	<1.0	7.3	19	.2	900	80	130
23...	0950	309	7.9	70	55	<1.0	7.9	21	.7	1000	K140	120
24...	0825	318	7.8	40	70	<1.0	7.5	20	2.4	K7800	K180	130
25...	0920	336	7.8	40	55	<1.0	7.9	20	1.1	640	110	130
29...	0950	336	7.7	20	40	<1.0	7.4	17	.5	250	52	130
30...	0825	324	7.9	20	40	<1.0	7.4	17	.0	640	<2	130
31...	0850	329	7.5	40	30	<1.0	7.5	18	.7	270	56	130
JUN												
01...	0845	325	7.7	50	35	<1.0	8.0	16	.6	880	K80	130
02...	0900	373	7.7	60	35	<1.0	7.8	20	.3	210	<10	130
03...	0745	404	7.6	20	25	<1.0	7.4	18	1.5	K72	K20	130
04...	1030	379	7.8	30	20	<1.0	8.5	7	1.6	K8	<8	130
05...	0845	364	7.8	40	20	<1.0	7.4	14	.7	K22	K4	130
06...	0945	403	7.8	10	25	<1.0	6.9	14	1.0	K12	<4	130
07...	0910	445	7.7	5	25	<1.0	6.9	8	.2	K68	<2	130
08...	0935	401	7.7	10	15	<1.0	6.9	24	.5	K16	K6	130
09...	0925	526	7.8	10	7	<1.0	7.1	21	.0	<4	<2	130
10...	0900	490	8.0	20	30	<1.0	8.4	17	1.1	<20	<10	140
11...	1050	352	7.9	40	35	<1.0	6.6	13	.7	K30	24	140
12...	1010	634	7.5	60	140	<1.0	7.3	35	1.2	1000	190	130
13...	0945	638	7.3	30	80	<1.0	8.3	26	2.1	820	K67	130
14...	0855	863	7.5	15	60	<1.0	7.6	26	1.3	1300	K47	150

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

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

300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MAGNESIUM- NONSOLUBLE BICARBONATE (MG/L AS CO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNESIUM- DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)	ALKA- LINITY (MG/L AS CACO ₃)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
APR												
19...	35	28	9.0	12	19	.5	3.2	92	0	75	33	24
20...	35	28	8.5	11	18	.5	2.9	91	0	75	34	9.4
21...	35	28	9.0	14	22	.6	3.1	92	0	75	33	23
23...	36	28	9.1	10	26	.8	1.7	90	0	74	40	24
24...	29	27	8.7	15	23	.6	2.8	86	0	71	32	20
25...	30	30	8.3	11	18	.5	2.9	90	0	74	33	14
26...	36	30	8.2	11	18	.5	2.8	90	0	74	34	14
27...	37	30	8.5	13	20	.5	2.9	89	0	73	32	19
28...	38	29	8.7	14	21	.6	2.9	88	0	72	33	19
29...	37	30	8.6	10	16	.4	2.8	90	0	74	32	17
30...	45	31	9.2	14	20	.6	3.0	91	0	75	34	21
MAY												
01...	33	30	9.1	12	18	.5	3.0	94	0	77	36	15
02...	32	31	8.6	13	20	.5	2.8	99	0	81	34	16
04...	33	31	8.5	12	18	.5	2.8	94	0	77	34	15
05...	44	34	8.7	11	16	.4	3.0	94	0	77	35	15
06...	38	33	9.2	11	16	.4	2.9	100	0	82	37	14
07...	42	34	9.2	11	16	.4	2.9	98	0	80	38	16
08...	32	35	8.5	11	17	.4	2.9	100	0	82	36	14
09...	40	34	9.5	12	17	.5	2.6	102	0	84	40	15
10...	41	34	9.9	12	17	.5	3.1	103	0	84	38	18
11...	39	34	9.8	11	16	.4	3.0	105	0	86	35	15
12...	42	35	9.6	11	16	.4	2.9	104	0	85	38	15
15...	42	36	9.0	11	15	.4	2.9	103	0	84	38	16
16...	41	35	9.8	12	17	.5	3.0	106	0	87	37	16
17...	33	33	10	12	17	.5	2.9	110	0	90	35	16
18...	40	34	9.9	12	17	.5	2.9	104	0	85	37	16
19...	34	33	10	11	16	.4	2.9	105	0	86	36	16
20...	41	34	10	12	17	.5	2.9	104	0	85	37	16
21...	37	33	10	13	18	.5	3.0	106	0	87	37	20
22...	43	37	10	13	17	.5	3.4	110	0	90	37	20
23...	40	33	9.9	12	17	.5	3.1	105	0	86	36	18
24...	38	34	10	13	18	.5	3.1	107	0	88	37	19
25...	42	34	11	17	22	.6	3.1	107	0	88	37	28
29...	41	36	10	14	18	.5	3.0	110	0	90	38	22
30...	38	36	10	14	18	.5	3.0	114	0	94	37	19
31...	42	35	11	15	19	.6	3.1	110	0	90	38	26
JUN												
01...	38	34	10	14	19	.5	2.9	107	0	88	38	18
02...	39	32	11	23	28	.9	1.5	105	0	86	36	35
03...	39	34	11	30	33	1.1	3.2	111	0	91	39	45
04...	38	32	11	27	31	1.1	3.4	106	0	87	39	42
05...	38	32	11	24	29	.9	4.6	106	0	87	40	36
06...	44	32	12	29	32	1.1	3.8	105	0	86	43	41
07...	46	31	12	39	39	1.5	3.9	102	0	84	43	58
08...	41	32	12	34	36	1.3	3.6	109	0	89	43	48
09...	52	30	14	52	45	2.0	4.6	95	0	78	46	84
10...	60	31	14	40	42	1.7	4.4	97	0	80	44	74
11...	44	36	12	10	20	.6	3.0	117	0	96	45	17
12...	55	27	15	75	55	2.9	5.1	90	0	74	47	130
13...	55	27	16	82	56	3.1	5.5	96	0	79	47	130
14...	77	32	18	110	60	3.9	6.6	94	0	77	54	190

MISSISSIPPI RIVER DELTA

300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS- RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN. NITRATE TOTAL (MG/L AS N)	NITRO- GEN. NITRITE TOTAL (MG/L AS N)	NITRO- GEN. NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECUM- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECUM- ERABLE (UG/L AS BE)
APR											
19...	67	1.7	.14	1.8	.54	.17	2	1	1	1	0
20...	299	1.8	.12	1.9	.68	.24	2	1	1	1	0
21...	216	1.7	.08	1.8	.64	.23	2	1	1	10	9
23...	314	1.7	.06	1.8	.66	.22	3	2	1	1	0
24...	448	1.6	.08	1.7	.43	.23	2	1	1	1	0
25...	93	1.7	.08	1.8	.48	.28	2	1	1	0	0
26...	178	1.7	.08	1.8	.54	.14	2	1	1	0	0
27...	242	1.6	.08	1.7	.52	.28	3	2	1	0	0
28...	163	1.6	.12	1.7	.52	.27	3	2	1	0	0
29...	247	1.6	.10	1.7	.59	.30	2	1	1	0	0
30...	183	1.6	.08	1.7	.48	.19	2	1	1	0	0
MAY											
01...	196	1.6	.08	1.7	.58	.21	2	1	1	0	0
02...	154	1.8	.04	1.8	.51	.21	2	1	1	0	0
04...	191	1.7	.06	1.8	.51	.21	2	0	2	0	0
05...	186	1.8	.04	1.8	.71	.28	2	1	1	0	0
06...	125	1.8	.06	1.9	.50	.23	3	2	1	0	0
07...	197	1.8	.08	1.9	.39	.21	3	2	1	0	0
08...	138	1.8	.08	1.9	.51	.17	3	2	1	0	0
09...	110	2.0	.02	2.0	.52	.15	2	0	2	0	0
10...	80	1.9	.02	1.9	.50	.19	2	1	1	0	0
11...	84	1.9	.02	1.9	.35	.14	2	0	2	10	0
12...	97	1.9	.02	1.9	.49	.21	3	1	2	0	0
15...	92	1.9	.02	1.9	.74	.17	3	1	2	0	0
16...	83	1.8	.02	1.8	.46	.09	3	1	2	0	0
17...	88	1.8	.02	1.8	.52	.17	3	2	1	0	0
18...	74	1.8	.02	1.8	.58	.18	2	1	1	0	0
19...	77	1.9	.02	1.9	.69	.18	2	1	1	0	0
20...	61	1.9	.04	1.9	.76	.18	3	1	2	0	0
21...	17	1.8	.02	1.8	.72	.19	3	2	1	0	0
22...	62	1.7	.04	1.7	.57	.17	3	1	2	0	0
23...	58	1.8	.02	1.8	.54	.16	3	2	1	0	0
24...	65	1.7	.02	1.7	.54	.16	3	2	1	0	0
25...	74	1.7	.02	1.7	.47	.24	2	1	1	0	0
29...	34	1.6	.04	1.6	.47	.12	2	1	1	0	0
30...	27	1.5	.02	1.5	.58	.10	2	1	1	0	0
31...	19	1.5	.02	1.5	.50	.10	2	1	1	0	0
JUN											
01...	14	1.5	.02	1.5	.42	.13	2	2	0	0	0
02...	17	1.5	.10	1.6	.40	.15	2	1	1	0	0
03...	14	1.3	.06	1.4	.52	.27	2	0	2	0	0
04...	9	1.4	.10	1.5	.52	.18	2	0	2	0	0
05...	9	1.4	.04	1.4	.49	.16	2	0	2	0	0
06...	8	1.3	.06	1.4	.47	.17	1	0	1	0	0
07...	20	1.4	.06	1.5	.52	.17	2	1	1	0	0
08...	10	1.2	.06	1.3	.50	.17	1	0	1	0	0
09...	95	1.5	.06	1.6	.64	.24	1	0	1	0	0
10...	34	1.3	.06	1.4	.52	.12	1	0	1	0	0
11...	27	1.3	.02	1.3	.60	.11	1	0	1	0	0
12...	208	1.1	.10	1.2	.39	.38	3	2	1	1	0
13...	89	.86	.04	.90	.66	.30	3	2	1	1	0
14...	61	1.1	.10	1.2	.52	.01	2	1	1	1	0

300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHROMIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
APR											
19...	1	1	0	1	0	0	15	14	1	860	140
20...	1	1	0	1	10	0	8	7	1	10	33
21...	1	1	0	1	0	0	10	9	1	30	17
23...	1	1	0	1	10	0	9	8	1	20	23
24...	1	1	0	1	10	0	8	7	1	20	62
25...	0	0	0	0	10	0	11	9	2	40	28
26...	0	0	0	0	10	0	11	7	4	40	36
27...	0	0	0	0	10	0	9	8	1	30	16
28...	0	0	0	0	10	0	11	8	3	30	39
29...	0	0	0	0	10	0	15	14	1	40	380
30...	0	0	0	0	10	0	8	6	2	10	28
MAY											
01...	0	0	0	0	10	0	3	2	1	30	9
02...	0	1	1	0	10	0	5	5	0	30	60
04...	0	1	1	0	10	0	4	4	0	20	9
05...	0	1	1	0	10	0	6	5	1	0	8
06...	0	1	1	0	20	0	4	4	0	10	8
07...	0	0	0	0	20	0	4	4	0	10	7
08...	0	0	0	0	10	0	8	7	1	10	8
09...	0	1	1	0	10	0	4	4	0	10	10
10...	0	0	0	0	10	0	9	7	2	10	9
11...	10	1	0	1	10	0	7	6	1	20	8
12...	0	1	0	1	0	0	4	4	0	10	7
15...	0	0	0	0	10	0	6	5	1	20	6
16...	0	0	0	0	10	0	13	12	1	0	15
17...	0	0	0	0	10	0	6	5	1	10	8
18...	0	1	0	1	10	0	7	5	2	10	7
19...	0	1	0	1	10	0	7	6	1	30	6
20...	0	0	0	0	10	0	32	30	2	20	33
21...	0	0	0	0	10	0	7	7	0	10	7
22...	0	0	0	0	10	0	6	5	1	20	7
23...	0	0	0	0	0	0	6	5	1	20	7
24...	0	0	0	0	0	0	7	4	3	30	10
25...	0	0	0	0	0	0	6	3	3	30	13
29...	0	0	0	0	0	0	5	2	3	10	9
30...	0	0	0	0	0	0	5	1	4	20	8
31...	0	0	0	0	0	0	16	16	0	10	17
JUN											
01...	0	1	0	1	0	0	4	2	2	10	6
02...	0	1	0	1	0	0	4	0	4	10	9
03...	0	1	0	1	0	0	5	3	2	20	7
04...	0	1	0	1	10	0	3	0	3	10	6
05...	0	1	0	1	0	0	3	0	3	20	7
06...	0	1	0	1	10	0	7	6	1	20	3
07...	0	1	0	1	0	0	4	3	1	10	6
08...	0	1	0	1	10	0	4	3	1	10	6
09...	0	1	0	1	10	0	5	4	1	10	9
10...	0	1	0	1	10	0	3	2	1	10	10
11...	0	1	0	1	10	0	4	3	1	10	28
12...	1	1	0	1	20	0	8	6	2	20	14
13...	1	1	0	1	10	0	7	4	3	10	8
14...	1	1	0	1	10	0	6	4	2	0	20

MISSISSIPPI RIVER DELTA

300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD: SUS- PENDED RECOV- ERABLE (UG/L AS PH)	LEAD: DIS- SOLVED (UG/L AS PH)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL DIS- SOLVED (UG/L AS NI)	SELE- NIUM TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM DIS- SOLVED (UG/L AS SE)	VANA- DIUM DIS- SOLVED (UG/L AS V)
APR												
19...	140	0	.1	.1	.0	17	17	0	1	1	0	4.4
20...	33	0	.0	.0	.0	1	1	0	0	0	0	.2
21...	17	0	.0	.0	.0	12	12	0	0	0	0	.2
23...	23	0	.0	.0	.0	15	15	0	0	0	0	.2
24...	51	1	.0	.0	.0	8	8	0	0	0	0	.4
25...	26	2	.0	.0	.0	9	9	0	1	1	0	.5
26...	36	0	.0	.0	.0	8	8	0	0	0	0	.6
27...	16	0	.1	.1	.0	6	6	0	1	1	0	.8
28...	39	0	.0	.0	.0	11	11	0	0	0	0	.7
29...	380	0	.0	.0	.0	13	11	2	1	1	0	1.0
30...	28	0	.0	.0	.0	7	7	0	1	0	1	.5
MAY												
01...	9	0	.0	.0	.0	9	9	0	1	0	1	1.0
02...	60	0	.0	.0	.0	6	2	4	1	1	0	.0
04...	9	0	.1	.1	.0	5	0	5	1	0	1	.6
05...	8	0	.1	.1	.0	13	9	4	1	0	1	.4
06...	8	0	.1	.1	.0	11	9	2	1	1	0	.3
07...	7	0	.0	.0	.0	7	3	4	1	0	1	.3
08...	8	0	.0	.0	.0	7	7	0	1	1	0	.0
09...	10	0	.2	.2	.0	6	1	5	1	1	0	.4
10...	9	0	.0	.0	.0	8	8	0	1	0	1	.1
11...	8	0	.0	.0	.0	9	9	0	1	1	0	.1
12...	7	0	.2	.2	.0	11	11	0	1	0	1	.3
15...	6	0	.1	.1	.0	6	6	0	0	0	0	.0
16...	15	0	.0	.0	.0	10	10	0	1	1	0	.1
17...	8	0	.0	.0	.0	7	7	0	1	0	1	.0
18...	7	0	.0	.0	.0	7	7	0	1	1	0	.0
19...	6	0	.0	.0	.0	6	6	0	0	0	0	.0
20...	33	0	.0	.0	.0	7	7	0	1	0	1	.0
21...	7	0	.1	.0	.1	8	8	0	0	0	0	.0
22...	7	0	.1	.1	.0	5	5	0	1	0	1	.0
23...	7	0	.0	.0	.0	4	4	0	0	0	0	.0
24...	9	1	.0	.0	.0	5	3	2	0	0	0	.0
25...	12	1	.0	.0	.0	5	3	2	0	0	0	.1
29...	8	1	.0	.0	.0	6	4	2	0	0	0	.1
30...	7	1	.0	.0	.0	5	1	4	0	0	0	.1
31...	15	2	.1	.1	.0	8	6	2	1	1	0	.0
JUN												
01...	6	0	.0	.0	.0	4	2	2	0	0	0	.0
02...	9	0	.0	.0	.0	3	0	3	0	0	0	.0
03...	7	0	.0	.0	.0	6	3	3	0	0	0	.0
04...	6	0	.1	.0	.1	4	1	3	0	0	0	.0
05...	7	0	.1	.0	.1	7	6	1	0	0	0	.0
06...	2	1	.0	.0	.0	6	3	3	0	0	0	.0
07...	6	0	.0	.0	.0	4	0	4	0	0	0	.0
08...	4	2	.0	.0	.0	5	1	4	0	0	0	.0
09...	8	1	.0	.0	.0	6	2	4	1	1	0	.2
10...	9	1	.0	.0	.0	8	5	3	1	0	1	.2
11...	27	1	.0	.0	.0	7	3	4	1	0	1	.0
12...	14	0	.1	.1	.0	8	4	4	1	1	0	--
13...	8	0	.0	.0	.0	4	0	4	1	1	0	--
14...	20	0	.0	.0	.0	6	2	4	0	0	0	--

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300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
APR												
19...	40	40	4	6.9	.00	0	0	.0	.00	.000	.0	.000
20...	30	30	3	12	.00	20	0	.0	.00	.000	.0	.000
21...	40	40	3	7.3	.00	6	0	.0	.00	.000	.0	.000
23...	40	40	3	6.9	.00	0	0	.0	.00	.000	.0	.000
24...	40	40	3	7.5	.00	1	0	.0	.00	.000	.0	.000
25...	30	20	10	9.0	.00	1	0	.1	.00	.000	.0	.000
26...	30	20	10	6.6	.00	4	6	.0	.00	.000	.0	.000
27...	30	20	10	7.4	.00	5	0	.0	.00	.000	.0	.000
28...	40	30	10	8.3	.00	0	0	.0	.00	.000	.0	.000
29...	40	30	10	7.2	.00	6	4	.0	.00	.000	.0	.000
30...	30	10	20	6.7	.00	0	0	.0	.00	.000	.0	.000
MAY												
01...	30	20	10	7.3	.00	1	0	.0	.00	.000	.0	.000
02...	40	30	10	6.5	.00	4	--	.0	.00	.000	.0	.000
04...	20	10	10	6.1	.00	2	--	--	--	--	--	--
05...	30	20	10	8.0	.00	3	--	.0	.00	.000	.0	.000
06...	30	20	10	--	1.0	0	--	.0	.00	.000	.0	.000
07...	30	20	10	6.5	.00	0	0	--	--	--	--	--
08...	20	10	10	5.4	.00	0	--	.0	.00	.000	.0	.000
09...	30	20	10	6.5	.00	3	--	.0	.00	.000	.0	.000
10...	30	20	10	--	.00	0	--	.0	.00	.000	.0	.000
11...	20	10	10	5.5	.00	0	--	.0	.00	.000	.0	.000
12...	20	10	10	6.4	.00	2	--	.0	.00	.000	.0	.000
15...	20	10	10	9.2	.00	2	--	.0	.00	.000	.0	.000
16...	50	40	10	6.0	.00	0	--	.0	.00	.000	.0	.000
17...	30	20	10	6.0	.00	0	--	.0	.00	.000	.0	.000
18...	20	10	10	5.8	.00	0	--	.0	.00	.000	.0	.000
19...	20	10	10	5.5	.00	3	--	.0	.00	.000	.0	.000
20...	70	60	10	4.3	.00	4	--	.0	.00	.000	.0	.000
21...	20	10	10	6.3	.00	1	--	.0	.00	.000	.0	.000
22...	20	10	10	--	.00	2	--	.0	.00	.000	.0	.000
23...	20	10	10	7.4	.00	0	--	.0	.00	.000	.0	.000
24...	20	10	10	6.4	.00	0	0	.0	.00	.000	.0	.000
25...	20	10	10	6.9	.00	4	0	.0	.00	.000	.0	.000
29...	30	20	10	5.1	.00	3	0	.0	.00	.000	.0	.000
30...	20	10	10	6.1	.00	3	0	.0	.00	.000	.0	.000
31...	40	30	10	3.8	.00	3	0	.0	.00	.000	.0	.000
JUN												
01...	20	10	10	3.9	.00	3	0	.0	.00	.000	.0	.000
02...	20	10	10	7.1	.00	0	1	.0	.00	.000	.0	.000
03...	20	10	10	--	.00	2	0	.0	.00	.000	.0	.000
04...	20	10	10	7.4	.00	0	--	.0	.00	.000	.0	.000
05...	10	0	10	5.8	.00	0	--	.0	.00	.000	.0	.000
06...	10	0	10	5.3	.00	1	--	.0	.00	.000	.0	.000
07...	10	0	10	5.8	.00	1	--	.0	.00	.000	.0	.000
08...	20	10	10	5.6	.00	0	--	.0	.00	.000	.0	.000
09...	20	10	10	--	.00	2	--	--	--	--	--	--
10...	10	10	0	--	.00	5	--	--	--	--	--	--
11...	20	10	10	--	.00	1	--	--	--	--	--	--
12...	40	40	3	--	.00	1	--	.0	.00	.000	.0	.000
13...	20	20	3	--	.00	3	--	.0	.00	.000	.0	.000
14...	30	30	3	--	.00	1	--	.0	.00	.000	.0	.000

300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014) --Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDE, TOTAL (UG/L)	DIT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELURIN, TOTAL (UG/L)	ENDU- SULFAM, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
APR												
19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.008	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
27...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
28...	.000	.000	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	--	.004	.000	.000	--	.000	.000	.000	--	.00
MAY												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.03	.003	.000	.000	.00	.000	.000	.000	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.001	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
10...	.000	.000	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00
11...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
15...	.000	.002	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
16...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
17...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
18...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.002	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.001	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.004	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.001	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.003	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
31...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
01...	.000	.002	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
03...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
05...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
07...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
08...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
14...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00

300143090254500 BONNET CARRE SPILLWAY NEAR LAPLACE, LA (CE 05014)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR												
19...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	3.94	.000
20...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.98	.000
21...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.45	.000
23...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	1.85	.000
24...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	.170	.000
25...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	1.39	.000
26...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	1.18	.000
27...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	.000	.000
28...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.30	.000
29...	.00	.00	.00	.00	.00	.0	.00	.05	.03	.00	.520	.000
30...	--	--	.00	--	.00	.0	--	--	--	--	--	--
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.56	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	.000	.000
04...	--	--	--	--	--	--	--	--	--	--	.180	.000
05...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	.890	.000
06...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.49	.000
07...	--	--	--	--	--	--	--	--	--	--	1.47	.000
08...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.95	.000
09...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	2.94	.000
10...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	.000	.000
11...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.50	.000
12...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	2.14	.000
15...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.76	.000
16...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.47	.000
17...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	2.73	.000
18...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.97	.000
19...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.07	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.27	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.23	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	1.97	.000
23...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.97	.000
24...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	3.86	.000
25...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	4.09	.000
29...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.92	.000
30...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	4.52	.000
31...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	2.86	.000
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.56	.000
02...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	6.57	.000
03...	.00	.00	.00	.00	.00	.0	.00	.13	.01	.00	9.00	.000
04...	.00	.00	.00	.00	.00	.0	.00	--	--	--	16.1	.000
05...	.00	.00	.00	.00	.00	.0	.00	--	--	--	21.0	.000
06...	.00	.00	.00	.00	.00	.0	.00	.05	.00	.00	6.14	.000
07...	.00	.00	.00	.00	.00	.0	.00	--	--	--	8.41	.000
08...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.39	.000
09...	--	--	--	--	--	--	--	--	--	--	10.5	.000
10...	--	--	--	--	--	--	--	--	--	--	23.4	.000
11...	--	--	--	--	--	--	--	--	--	--	7.24	.000
12...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	17.7	.000
13...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	72.5	2.29
14...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	17.4	.000

MISSISSIPPI RIVER DELTA

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 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COHALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOLOGICAL (MG/L)	COLI-FORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 30...	0815	2950	7.6	15	4	<1.0	8.0	44	.5	K1700	K4	300
NOV 20...	0915	1740	7.4	20	2	<1.0	8.0	38	.2	K110	<5	160
DEC 18...	0910	1850	7.2	30	30	<1.0	10.4	54	1.9	270	<5	180
JAN 26...	0930	923	7.2	40	40	<1.0	11.1	56	2.4	12000	1400	91
FEB 22...	0915	103	6.9	80	45	<1.0	10.0	21	1.2	130	K8	24
MAR 15...	1025	301	6.7	100	50	<1.0	8.7	31	.7	500	K20	33
APR 16...	0930	533	6.8	100	30	<1.0	7.3	32	.0	K200	<4	62
19...	1325	362	7.3	70	25	<1.0	8.4	31	1.7	<10	<4	45
20...	1115	378	7.7	70	20	<1.0	7.7	29	1.8	<4	<2	47
21...	0940	292	7.0	70	25	<1.0	7.5	29	.4	K10	<2	40
23...	1030	720	7.4	70	30	<1.0	8.0	29	2.4	220	K8	79
24...	0955	247	7.0	50	25	<1.0	8.0	26	.9	K20	K4	37
25...	0945	284	7.0	50	20	<1.0	7.8	26	.6	K12	<4	39
26...	1220	350	7.2	70	25	<1.0	8.0	29	.8	K6	K2	44
27...	0950	263	7.2	50	30	<1.0	7.5	29	1.8	K20	K2	39
28...	1015	151	6.7	70	35	<1.0	7.5	40	.7	K8	K6	27
29...	1000	74	6.5	50	40	<1.0	6.3	40	.8	K120	K18	16
30...	1200	99	6.9	20	40	<1.0	6.8	28	1.2	180	K4	22
MAY 01...	1405	101	7.1	70	25	<1.0	6.8	28	.9	94	<2	22
02...	1205	94	6.8	70	25	<1.0	7.1	27	.7	K44	<4	21
04...	0930	137	6.8	50	10	<1.0	7.1	29	.7	K80	K3	25
05...	0955	115	6.8	75	15	<1.0	6.8	32	1.6	100	K1	32
06...	0930	101	6.6	75	15	<1.0	6.4	29	1.1	K56	K2	23
07...	1145	195	7.0	70	15	<1.0	7.4	25	1.4	K32	<4	28
08...	1030	204	7.0	50	10	<1.0	7.1	25	.3	K28	K4	33
09...	1145	182	6.9	40	15	<1.0	7.1	39	1.2	<4	<4	29
10...	1150	225	6.7	75	15	<1.0	6.6	33	.7	K16	<4	35
11...	1015	234	7.1	50	15	<1.0	7.1	26	.6	150	K4	34
12...	0935	222	7.0	70	15	<1.0	6.9	28	.6	K12	<4	34
15...	0915	223	7.0	60	15	<1.0	7.2	23	1.0	K20	K4	36
16...	1025	129	6.9	60	10	<1.0	7.0	24	.4	1200	<4	29
17...	0915	125	7.0	60	10	<1.0	6.4	31	.9	K2400	<4	33
18...	0920	122	7.0	70	10	<1.0	7.0	28	1.3	K3800	<2	32
19...	0750	162	7.1	60	8	<1.0	7.9	26	1.4	120	K10	32
20...	0745	190	7.1	70	9	<1.0	7.8	28	1.4	300	<2	34
21...	1010	173	7.1	60	10	<1.0	7.1	26	1.2	200	<2	31
22...	0815	197	7.2	70	15	<1.0	6.8	25	.0	<4	<2	31
23...	1010	190	7.3	100	15	<1.0	7.6	24	.4	<4	<2	32
24...	0850	201	7.2	100	15	<1.0	7.7	24	1.3	680	<4	30

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

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

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HK)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
MAY												
25...	0950	185	7.3	70	15	<1.0	7.7	25	.4	<4	<2	33
29...	1015	172	7.1	70	15	<1.0	7.8	23	.8	<4	<2	29
30...	0845	155	7.4	70	15	<1.0	7.4	24	.3	--	72	34
31...	0920	139	7.1	80	15	<1.0	7.7	24	.0	K16	<2	28
JUN												
01...	0905	177	6.8	80	15	<1.0	7.6	23	.5	<4	<2	28
02...	0920	180	7.0	80	10	<1.0	7.7	28	1.0	<4	--	29
03...	0815	217	7.2	70	10	<1.0	7.6	12	1.7	--	K2	50
04...	1055	155	7.4	70	10	<1.0	8.2	15	.3	<4	<2	29
05...	0915	159	7.2	50	10	<1.0	7.3	21	.7	60	<4	31
06...	1015	141	7.1	40	5	<1.0	7.2	20	1.1	<2	<2	32
07...	0930	159	7.0	40	8	<1.0	6.9	28	.8	<4	<2	33
08...	1000	156	7.2	40	6	<1.0	6.7	21	.7	<4	<2	31
09...	0945	152	7.3	10	8	<1.0	7.0	24	.0	<4	<2	31
10...	0925	150	7.1	50	4	<1.0	7.5	22	.9	<4	<2	31
11...	1120	289	7.8	30	10	<1.0	7.6	16	1.0	<10	K2	89
12...	1030	262	7.5	40	6	<1.0	7.3	20	.5	<10	<1	76
13...	1010	251	7.4	20	7	<1.0	--	17	--	K10	K4	73
14...	0920	228	7.5	20	5	<1.0	8.4	19	.9	<10	<1	57
JUL												
18...	1000	287	6.7	60	40	<1.0	7.2	30	.5	K72	<4	45
AUG												
15...	1010	234	6.7	80	90	<1.0	6.5	32	.4	K20	<5	41
SEP												
04...	1400	254	7.3	80	95	<1.0	7.0	41	.1	K20	<5	45

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

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

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARD- NESS, NONCAR- BONATE (MG/L CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)	ALKA- LINITY (MG/L AS CaCO ₃)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)
OCT 30...	270	23	58	480	76	12	21	37	0	30	130	850
NOV 20...	140	13	32	300	78	10	12	28	0	23	69	500
DEC 18...	160	17	34	290	76	9.3	15	32	0	26	69	500
JAN 26...	65	10	16	130	73	5.9	8.8	31	0	25	34	240
FEB 22...	6	5.8	2.2	11	48	1.0	2.1	21	0	17	8.2	17
MAR 15...	18	6.6	4.0	40	70	3.0	3.3	18	0	15	20	64
APR 16...	46	8.9	9.7	71	69	3.9	4.8	20	0	16	25	130
19...	26	6.3	7.0	51	69	3.3	3.9	23	0	19	19	79
20...	13	7.3	7.1	52	68	3.3	3.8	42	0	34	19	78
21...	22	6.8	5.7	40	66	2.7	3.4	22	0	18	16	65
23...	57	10	13	94	71	4.8	6.0	26	0	21	32	170
24...	17	6.8	4.8	33	64	2.4	2.9	24	0	20	13	51
25...	19	7.1	5.2	37	65	2.6	3.3	24	0	20	15	65
26...	25	7.5	6.2	48	68	3.1	3.6	24	0	20	17	76
27...	18	7.4	5.0	33	62	2.3	3.2	26	0	21	13	58
28...	7	5.9	3.0	18	57	1.5	2.4	24	0	20	9.6	27
29...	3	3.2	1.9	1.5	47	.8	2.0	16	0	13	6.0	10
30...	5	5.0	2.3	10	47	.9	2.1	21	0	17	6.6	14
MAY 01...	6	5.0	2.3	10	47	.9	2.3	20	0	16	7.8	15
02...	6	5.2	1.9	9.5	47	.9	2.1	18	0	15	7.2	14
04...	5	5.7	2.8	16	55	1.4	2.5	24	0	20	6.9	24
05...	0	8.7	2.6	13	44	1.0	2.9	45	0	37	5.6	17
06...	5	5.3	2.4	10	46	.9	2.3	22	0	18	7.2	19
07...	10	6.4	3.0	24	62	2.0	3.0	22	0	18	8.5	39
08...	12	6.5	4.1	26	61	2.0	2.7	26	0	21	11	39
09...	13	5.8	3.5	24	62	1.9	2.4	19	0	16	11	37
10...	14	7.3	4.1	29	62	2.1	3.0	26	0	21	12	45
11...	14	6.4	4.4	30	63	2.2	3.2	25	0	21	12	47
12...	16	6.5	4.3	29	62	2.2	3.1	22	0	18	11	47
15...	17	7.0	4.4	28	61	2.0	3.0	23	0	19	12	44
16...	5	6.9	2.9	13	47	1.0	2.6	29	0	24	8.0	22
17...	3	8.3	2.9	11	40	.8	2.5	36	0	30	10	15
18...	3	8.0	3.0	12	42	.9	2.5	36	0	30	7.7	17
19...	7	7.3	3.3	17	51	1.3	2.5	30	0	25	8.6	25
20...	11	7.0	4.0	23	57	1.7	2.9	28	0	23	11	34
21...	8	6.6	3.6	20	55	1.6	2.9	28	0	23	11	31
22...	13	5.6	4.2	25	61	1.9	3.1	22	0	18	11	39
23...	12	6.2	4.0	22	57	1.7	2.9	24	0	20	11	34
24...	12	5.3	4.0	25	62	2.0	3.0	21	0	17	12	38
25...	8	6.9	3.8	22	57	1.7	2.8	30	0	25	10	33
29...	11	5.7	3.6	21	58	1.7	2.8	22	0	18	8.3	32
30...	13	7.5	3.7	18	51	1.3	3.3	26	0	21	14	30
31...	7	5.7	3.3	15	52	1.2	2.3	25	0	21	10	22
JUN 01...	10	5.4	3.6	22	60	1.8	2.7	22	0	18	11	34
02...	10	5.8	3.6	21	58	1.7	2.7	24	0	20	10	33
03...	18	11	5.5	23	49	1.4	1.4	39	0	32	17	33
04...	9	6.0	3.5	18	54	1.4	3.0	25	0	21	10	34
05...	10	6.6	3.5	17	52	1.3	2.6	26	0	21	13	29
06...	6	6.8	3.6	14	47	1.1	2.5	32	0	26	9.4	22
07...	7	6.9	3.8	18	52	1.4	2.7	32	0	26	12	29
08...	6	6.5	3.6	17	52	1.3	2.5	31	0	25	11	22
09...	4	6.3	3.6	17	52	1.3	2.5	32	0	26	12	24
10...	5	6.4	3.6	16	50	1.3	2.7	31	0	25	11	23
11...	30	20	9.5	21	33	1.0	3.3	72	0	59	33	29
12...	24	17	8.1	21	37	1.1	2.9	63	0	52	27	28
13...	26	16	8.1	21	37	1.1	3.2	58	0	48	26	31
14...	14	12	6.6	22	44	1.3	2.7	52	0	43	18	30
JUL 18...	18	6.0	7.2	40	63	2.6	4.4	32	0	26	19	59
AUG 15...	11	9.0	4.5	29	58	2.0	3.5	37	0	30	15	40
SEP 04...	11	9.3	5.3	31	57	2.0	4.7	41	0	34	19	45

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
OCT											
30...	2	.06	.01	.07	.08	.04	1	0	1	0	0
NOV											
20...	0	.01	.00	.01	.79	.06	1	0	1	1	0
DEC											
18...	0	.13	.00	.13	.50	.07	1	0	1	10	10
JAN											
20...	45	.24	.02	.26	.67	.16	2	1	1	1	0
FEB											
22...	21	.18	.04	.22	.43	.15	1	0	1	10	0
MAR											
15...	0	.15	.06	.21	.86	.12	1	0	1	0	0
APR											
15...	0	.29	.04	.33	.94	.11	1	0	1	10	10
19...	0	.29	.04	.33	.65	.10	1	0	1	1	0
20...	17	.31	.08	.39	.74	.31	1	0	1	1	0
21...	0	.29	.04	.33	.58	.11	1	0	1	1	0
23...	18	.28	.04	.32	.60	.09	1	0	1	1	0
24...	32	.28	.08	.36	.55	.13	1	0	1	1	0
25...	0	.26	.12	.38	.63	.12	1	0	1	0	0
26...	10	.35	.04	.39	.59	.11	1	1	0	0	0
27...	11	.38	.06	.44	.51	.12	1	1	0	0	0
28...	18	.27	.08	.35	.51	.12	1	0	1	0	0
29...	18	.10	.04	.14	.52	.11	1	0	1	0	0
30...	21	.06	.04	.10	.61	.10	1	0	1	0	0
MAY											
01...	12	.07	.02	.09	.53	.10	1	0	1	0	0
02...	0	.06	.02	.08	.43	.09	1	0	1	0	0
04...	8	.04	.02	.06	.51	.09	1	0	1	0	0
05...	13	.00	.10	.10	.50	.11	1	0	1	0	0
06...	15	.03	.02	.05	.52	.11	1	0	1	0	0
07...	6	.04	.04	.08	.64	.11	1	0	1	0	0
08...	5	.04	.08	.12	.66	.11	1	0	1	0	0
09...	10	.11	.02	.13	.53	.10	1	0	1	0	0
10...	93	.08	.04	.12	.65	.09	1	0	1	0	0
11...	3	.13	.04	.17	.46	.09	1	0	1	0	0
12...	5	.11	.04	.15	.61	.10	1	0	1	0	0
15...	5	.17	.04	.21	.65	.09	2	1	1	0	0
16...	20	.08	.04	.12	.63	.17	1	0	1	0	0
17...	5	.07	.02	.09	.40	.18	2	0	2	0	0
18...	7	.04	.06	.10	.66	.19	2	0	2	0	0
19...	7	.08	.05	.14	.06	.01	1	0	1	0	0
20...	4	.09	.06	.15	.54	.13	2	0	2	0	0
21...	5	.10	.06	.16	.59	.14	3	2	1	0	0
22...	4	.18	.02	.20	.60	.10	2	1	1	0	0
23...	8	.15	.04	.19	.63	.12	1	0	1	0	0
24...	0	.15	.06	.21	.56	.10	1	0	1	0	0
25...	17	.15	.02	.17	.52	.13	1	0	1	0	0
29...	4	.17	.02	.19	.48	.11	1	0	1	0	0
30...	4	.15	.02	.17	.53	.10	2	1	1	0	0
31...	3	.15	.02	.17	.58	.14	2	1	1	0	0
JUN											
01...	5	.18	.02	.20	.54	.11	2	0	2	0	0
02...	7	.18	.04	.22	1.1	.09	1	0	1	0	0
03...	8	.13	.02	.15	.47	.12	2	0	2	0	0
04...	5	.03	.02	.05	.42	.12	1	0	1	0	0
05...	0	.02	.02	.04	.43	.14	1	1	0	0	0
06...	6	.03	.02	.05	.44	.14	1	0	1	0	0
07...	7	.04	.04	.08	.46	.13	1	0	1	0	0
08...	5	.06	.02	.08	.52	.14	2	1	1	0	0
09...	3	.07	.02	.11	.66	.14	1	0	1	0	0
10...	5	.08	.02	.10	.62	.17	1	0	1	0	0
11...	14	.91	.06	.97	.77	.08	1	0	1	0	0
12...	4	.66	.06	.72	.57	.08	2	1	1	1	0
13...	6	.52	.06	.58	.52	.03	1	0	1	0	0
14...	8	.38	.04	.42	.43	.04	2	1	1	1	0
JUL											
18...	16	.03	.05	.09	.49	.06	1	0	1	1	0
AUG											
15...	3	.24	.10	.34	.55	.18	2	1	1	0	--
SEP											
04...	38	.29	.10	.39	1.0	.18	2	1	1	1	1

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DIS- SOLVED (UG/L AS RE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE- RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE- RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT											
30...	0	0	0	0	0	0	5	3	2	20	2
NOV											
20...	1	1	0	1	0	0	3	0	3	10	1
DEC											
18...	0	0	0	0	0	0	3	1	2	60	3
JAN											
26...	1	1	0	1	20	0	10	6	4	40	6
FEB											
22...	10	0	0	0	10	0	5	0	5	80	4
MAR											
15...	0	0	0	0	10	0	1	0	1	180	7
APR											
16...	0	0	0	0	10	0	8	2	6	130	20
19...	1	1	0	1	0	0	15	14	1	440	28
20...	1	1	0	1	0	0	5	4	1	180	57
21...	1	1	0	1	0	0	7	5	2	1300	95
23...	1	1	0	1	0	0	7	6	1	50	51
24...	1	1	0	1	10	0	3	0	3	70	8
25...	0	0	0	0	10	0	4	0	4	120	13
26...	0	0	0	0	0	0	10	6	4	160	19
27...	0	0	0	0	0	0	5	3	2	480	20
28...	0	0	0	0	0	0	4	0	4	410	36
29...	0	0	0	0	0	0	70	68	2	30	39
30...	0	0	0	0	10	0	9	7	2	200	24
MAY											
01...	0	1	1	0	10	0	1	0	1	240	17
02...	0	1	1	0	10	0	2	2	0	80	5
04...	0	1	1	0	10	0	2	2	0	140	2
05...	0	1	1	0	10	0	2	2	0	200	5
06...	0	0	0	0	10	0	2	2	0	220	3
07...	0	0	0	0	0	0	2	2	0	190	2
08...	0	0	0	0	0	0	4	3	1	290	8
09...	0	1	1	0	0	0	2	2	0	400	23
10...	0	0	0	0	0	0	2	1	1	190	7
11...	0	0	0	0	0	0	6	5	1	170	6
12...	0	1	0	1	0	0	2	2	0	140	4
15...	0	0	0	0	0	0	4	3	1	250	8
16...	0	0	0	0	0	0	4	3	1	280	5
17...	0	0	0	0	0	0	2	1	1	320	4
18...	0	1	0	1	0	0	5	4	1	470	13
19...	0	1	0	1	10	0	4	2	2	300	2
20...	0	0	0	0	10	0	4	3	1	300	15
21...	0	0	0	0	10	0	6	5	1	290	4
22...	0	0	0	0	0	0	4	2	2	340	2
23...	0	0	0	0	10	0	4	4	0	300	6
24...	0	0	0	0	0	0	4	1	3	330	12
25...	0	0	0	0	10	0	5	4	1	160	12
29...	0	0	0	0	0	0	10	9	1	320	37
30...	0	0	0	0	0	0	4	0	4	370	6
31...	0	0	0	0	0	0	5	3	2	320	12
JUN											
01...	0	1	0	1	10	0	2	1	1	270	4
02...	0	1	0	1	0	0	3	0	3	310	10
03...	0	1	0	1	10	0	5	3	2	230	9
04...	0	2	0	2	0	0	3	2	1	220	13
05...	0	1	0	1	0	0	6	5	1	160	13
06...	0	1	0	1	10	0	4	4	0	280	24
07...	0	1	0	1	10	0	2	1	1	280	31
08...	0	1	0	1	0	0	3	2	1	160	3
09...	0	1	0	1	10	0	3	2	1	170	65
10...	0	1	0	1	0	0	5	5	0	170	99
11...	0	1	0	1	10	0	3	3	0	30	11
12...	1	1	0	1	10	0	5	4	1	150	13
13...	0	1	0	1	10	0	3	2	1	90	110
14...	1	1	0	1	10	0	5	4	1	130	4
JUL											
18...	1	1	0	1	0	0	4	2	2	40	6
AUG											
15...	--	0	--	--	20	0	5	1	4	--	7
SEP											
04...	0	1	0	1	10	0	5	0	5	80	4

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PR)	LEAD, DIS- SOLVED (UG/L AS PR)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT												
30...	2	0	.0	.0	.0	8	6	2	0	0	0	--
NOV												
20...	1	0	.0	.0	.0	0	0	0	--	--	1	--
DEC												
19...	1	2	.0	.0	.0	5	2	3	0	0	0	--
JAN												
26...	5	1	.0	.0	.0	3	1	2	0	0	0	--
FEB												
22...	4	0	.0	.0	.0	2	0	2	0	0	0	.0
MAR												
15...	7	0	.0	.0	.0	1	1	0	0	0	0	.7
APR												
16...	20	0	.0	.0	.0	2	2	0	0	0	0	.3
19...	28	0	.0	.0	.0	5	4	2	0	0	0	1.7
20...	57	0	.0	.0	.0	0	0	0	0	0	0	.4
21...	91	4	.0	.0	.0	4	--	--	0	0	0	.5
23...	51	0	.0	.0	.0	10	10	0	0	0	0	--
24...	8	0	.0	.0	.0	1	1	0	1	0	1	.0
25...	11	2	.0	.0	.0	3	3	0	0	0	0	.3
26...	18	1	.0	.0	.0	3	3	0	1	0	1	.3
27...	20	0	.0	.0	.0	3	3	0	0	0	0	.5
28...	35	1	.0	.0	.0	3	3	0	0	0	0	.7
29...	39	0	.1	.1	.0	3	3	0	0	0	0	1.0
30...	24	0	.1	.1	.0	4	4	0	0	0	0	1.3
MAY												
01...	17	0	.3	.3	.0	3	3	0	0	0	0	1.3
02...	5	0	.0	.0	.0	3	1	2	1	1	0	.4
04...	2	0	.1	.1	.0	4	4	0	1	0	1	.3
05...	5	0	.1	.0	.1	7	5	2	0	0	0	.5
06...	3	0	.0	.0	.0	9	7	2	0	0	0	.4
07...	2	0	.0	.0	.0	6	4	2	0	0	0	.5
08...	8	0	.0	.0	.0	6	6	0	0	0	0	.2
09...	23	0	.1	.1	.0	3	0	3	0	0	0	.9
10...	7	0	.0	.0	.0	5	5	0	0	0	0	.1
11...	6	0	.1	.1	.0	3	3	0	0	0	0	.0
12...	4	0	.3	.3	.0	6	6	0	0	0	0	.1
15...	8	0	.0	.0	.0	3	3	0	0	0	0	.0
16...	5	0	.0	.0	.0	4	4	0	0	0	0	.0
17...	4	0	.0	.0	.0	3	3	0	0	0	0	.0
18...	13	0	.0	.0	.0	4	4	0	0	0	0	.0
19...	2	0	.1	.1	.0	4	4	0	0	0	0	.0
20...	15	0	.0	.0	.0	5	5	0	1	0	1	.0
21...	4	0	.0	.0	.0	0	0	0	1	1	0	.1
22...	2	0	.1	.1	.0	0	0	0	0	0	0	.6
23...	6	0	.0	.0	.0	3	3	0	0	0	0	.5
24...	11	1	.1	.0	.1	4	2	2	0	0	0	.8
25...	10	2	.1	.1	.0	3	1	2	0	0	0	.0
29...	35	2	.1	.1	.0	4	2	2	0	0	0	.6
30...	5	1	.0	.0	.0	2	0	2	0	0	0	.5
31...	11	1	.0	.0	.0	2	0	2	0	0	0	.3
JUN												
01...	4	0	.1	.0	.1	3	1	2	0	0	0	.0
02...	10	0	.1	.1	.0	3	1	2	0	0	0	.0
03...	9	0	.1	.0	.1	6	3	3	0	0	0	.0
04...	13	0	.0	.0	.0	3	1	2	0	0	0	.0
05...	13	0	.0	.0	.0	2	0	2	0	0	0	.0
06...	23	1	.0	.0	.0	4	0	4	0	0	0	.0
07...	30	1	.0	.0	.0	5	1	4	0	0	0	1.0
08...	2	1	.0	.0	.0	5	2	3	0	0	0	.0
09...	64	1	.0	.0	.0	5	1	4	0	0	0	.0
10...	98	1	.0	.0	.0	4	0	4	0	0	0	.0
11...	10	1	.0	.0	.0	4	1	3	0	0	0	.0
12...	13	0	.0	.0	.0	4	0	4	0	0	0	.0
13...	110	2	.0	.0	.0	4	1	3	0	0	0	.0
14...	4	0	.0	.0	.0	4	0	4	0	0	0	.0
JUL												
18...	6	0	.0	.0	.0	5	2	3	0	0	0	1.0
AUG												
15...	7	0	.0	.0	.0	6	6	0	0	0	0	--
SEP												
04...	4	0	.1	.1	.0	4	1	3	0	0	0	1.0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOVER- ABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOVER- ABLE (UG/L AS ZN)	ZINC, DISS- SOLVED (UG/L AS ZN)	CARBON, TOTAL ORGANIC (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVER- ABLE GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT												
30...	20	10	10	7.4	.00	2	0	.0	.00	.000	.0	.000
NOV												
20...	10	0	10	7.9	.00	3	0	.0	.00	.000	.0	.000
DEC												
18...	10	0	10	7.7	.00	1	0	.0	--	.000	.0	.000
JAN												
26...	20	20	3	11	.00	1	0	.0	--	.000	.0	.000
FEB												
22...	10	0	10	9.2	.00	3	0	.0	--	.000	.0	.000
MAR												
15...	10	0	10	11	.00	3	0	.0	--	.000	.0	.000
APR												
16...	20	10	10	11	.00	4	0	.0	.00	.000	.0	.000
19...	40	40	3	12	.00	9	0	.0	.00	.000	.0	.000
20...	10	7	3	11	.00	19	0	.0	.00	.000	.0	.000
21...	20	10	6	9.0	.00	1	0	.0	.00	.000	.0	.000
23...	20	20	3	9.5	.00	1	0	.0	.00	.000	.0	.000
24...	10	7	3	9.1	.00	1	0	.0	.00	.000	.0	.000
25...	10	10	0	9.6	.00	2	1	.0	.00	.000	.0	.000
26...	20	20	0	9.1	.00	4	0	.0	.00	.000	.0	.000
27...	10	0	10	10	.00	2	0	.0	.00	.000	.0	.000
28...	10	10	0	9.9	.00	1	0	--	--	--	--	--
29...	50	50	0	9.1	.00	1	3	.0	.00	.000	.0	.000
30...	20	10	10	9.8	.00	4	0	.0	.00	.000	.0	.000
MAY												
01...	10	10	0	11	.00	0	0	.0	.00	.000	.0	.000
02...	10	10	0	9.9	.00	5	--	.0	.00	.000	.0	.000
04...	10	10	0	12	.00	7	--	--	--	--	--	--
05...	10	0	10	12	1.0	4	0	.0	.00	.000	.0	.000
06...	10	0	10	9.0	.00	3	0	.0	.00	.000	.0	.000
07...	10	0	10	9.6	.00	3	0	--	--	--	--	--
08...	10	10	0	9.8	.00	6	--	.0	.00	.000	.0	.000
09...	10	10	0	11	.00	3	--	.0	.00	.000	.0	.000
10...	10	0	10	9.8	.00	1	--	.0	.00	.000	.0	.000
11...	10	0	10	8.8	.00	0	--	.0	.00	.000	.0	.000
12...	10	0	10	9.5	.00	0	--	.0	.00	.000	.0	.000
15...	10	0	10	9.1	.00	3	--	.0	.00	.000	.0	.000
16...	0	0	0	9.2	.00	2	--	.0	.00	.000	.0	.000
17...	10	0	10	9.3	.00	2	--	.0	.00	.000	.0	.000
18...	20	10	10	9.5	.00	4	--	.0	.00	.000	.0	.000
19...	10	10	0	9.6	.00	4	--	.0	.00	.000	.0	.000
20...	10	0	10	9.6	.00	0	--	.0	.00	.000	.0	.000
21...	10	0	10	9.3	.00	4	--	.0	.00	.000	.0	.000
22...	10	10	0	--	.00	0	--	.0	.00	.000	.0	.000
23...	10	0	10	9.3	.00	0	--	.0	.00	.000	.0	.000
24...	10	10	0	9.3	.00	1	0	.0	.00	.000	.0	.000
25...	10	0	10	9.8	.00	3	--	.0	.00	.000	.0	.000
29...	20	20	0	9.4	.00	2	0	.0	.00	.000	.0	.000
30...	10	0	10	10	.00	6	0	.0	.00	.000	.0	.000
31...	10	0	10	10	.00	2	0	.0	.00	.000	.0	.000
JUN												
01...	10	0	10	7.9	.00	0	0	.0	.00	.000	.0	.000
02...	10	0	10	9.5	.00	2	0	.0	.00	.000	.0	.000
03...	20	10	10	10	.00	2	0	.0	.00	.000	.0	.000
04...	20	0	20	9.6	.00	0	--	.0	.00	.000	.0	.000
05...	10	10	0	9.8	.00	11	--	.0	.00	.000	.0	.000
06...	10	0	10	9.4	.00	1	--	.0	.00	.000	.0	.000
07...	10	0	10	9.0	.00	2	--	.0	.00	.000	.0	.000
08...	10	0	10	8.8	.00	1	--	--	--	--	--	--
09...	10	0	10	--	.00	4	--	--	--	--	--	--
10...	30	20	10	--	.00	1	--	--	--	--	--	--
11...	10	0	10	--	.00	1	--	--	--	--	--	--
12...	10	7	3	--	.00	1	--	.0	.00	.000	.0	.000
13...	10	10	0	--	.00	5	--	.0	.00	.000	.0	.000
14...	3	7	3	--	.00	1	--	.0	.00	.000	.0	.000
JUL												
18...	23	20	3	14	.00	0	--	.0	.00	.000	.0	.000
AUG												
15...	0	--	--	--	.00	1	0	.0	.00	.000	.0	.000
SEP												
04...	10	0	5	--	.00	2	--	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDEP TOTAL (UG/L)	DDEP TOTAL (UG/L)	DI- AZINON TOTAL (UG/L)	DI- ELORIN TOTAL (UG/L)	ENDU- SULFAN TOTAL (UG/L)	ENDRIN TOTAL (UG/L)	ETHION TOTAL (UG/L)	HEPTA- CHLOR TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION TOTAL (UG/L)	METH- OXY- CHLOR TOTAL (UG/L)
OCT												
30...	.000	.000	.01	.001	.000	.000	.00	.000	.001	--	.00	.00
NOV												
20...	.000	.000	.01	.000	.000	.000	.00	.001	.000	.001	.00	.00
DEC												
18...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN												
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB												
22...	.000	.000	.00	.001	.000	.000	.00	.000	.001	.001	.00	.00
MAR												
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR												
18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
27...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
28...	--	--	--	--	--	--	--	--	--	--	--	--
29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
01...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	--	--	--	--	--	--	--	--	--	--	--	--
05...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
10...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
11...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
17...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
30...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
31...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
01...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
03...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
05...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
06...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
07...	.000	.000	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00
08...	--	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
14...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL												
18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG												
15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP												
04...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT												
30...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	2.72	.000
NOV												
20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.73	.001
DEC												
18...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	.000	.000
JAN												
26...	.00	.00	.00	.00	.00	.0	.00	.10	.08	.00	2.01	.000
FEB												
22...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	1.20	.000
MAR												
15...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.21	.000
APR												
16...	.00	.00	.00	.00	.00	.0	.00	.06	.02	.00	2.07	.000
19...	.00	.00	.00	.00	.00	.0	.00	.06	.02	.00	1.87	.000
20...	.00	.00	.00	.00	.00	.0	.00	.05	.02	.00	1.82	.000
21...	.00	.00	.00	.00	.00	.0	.00	.08	.01	.00	.080	.000
23...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	2.37	.000
24...	.00	.00	.00	.00	.00	.0	.00	.09	.01	.00	.000	.000
25...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	.000	.000
26...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	.000	.000
27...	.00	.00	.00	.00	.00	.0	.00	.07	.00	.00	3.92	.000
28...	--	--	--	--	--	--	--	--	--	--	5.05	.000
29...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	.000	.000
30...	.00	.00	.00	.00	.00	.0	.00	.06	.00	.01	4.44	.000
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	.07	.00	.01	10.1	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.69	.000
04...	--	--	--	--	--	--	--	--	--	--	3.02	.000
05...	.00	.00	.00	.00	.00	.0	.00	.06	.00	.01	.000	.000
06...	.00	.00	.00	.00	.00	.0	.00	.05	.00	.01	2.00	.000
07...	--	--	--	--	--	--	--	--	--	--	3.57	.000
08...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.01	1.26	.000
09...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	1.36	.000
10...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	2.56	.000
11...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.18	.000
12...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	2.42	.000
15...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.01	.860	.000
16...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.01	2.65	.000
17...	.00	.00	.00	.00	.00	.0	.00	.09	.01	.02	4.06	.000
18...	.00	.00	.00	.00	.00	.0	.00	.12	.02	.01	5.53	.000
19...	.00	.00	.00	.00	.00	.0	.00	.07	.01	.01	9.85	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	7.73	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	7.89	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.83	.000
23...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.01	2.66	.000
24...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	1.33	.000
25...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.01	3.80	.000
29...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.01	7.54	.000
30...	.00	.00	.00	.00	.00	.0	.00	.37	.01	.01	4.28	.000
31...	.00	.00	.00	.00	.00	.0	.00	.12	.01	.02	4.72	.000
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	5.06	.000
02...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.01	11.3	.000
03...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.01	5.80	.000
04...	.00	.00	.00	.00	.00	.0	.00	--	--	--	9.73	.000
05...	.00	.00	.00	.00	.00	.0	.00	--	--	--	8.23	.000
06...	.00	.00	.00	.00	.00	.0	.00	.01	.10	.02	5.30	.000
07...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.61	.000
08...	--	--	--	--	--	--	--	--	--	--	3.56	.000
09...	--	--	--	--	--	--	--	--	--	--	3.35	.000
10...	--	--	--	--	--	--	--	--	--	--	6.07	.000
11...	--	--	--	--	--	--	--	--	--	--	8.28	.000
12...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.01	6.56	.000
13...	.00	.00	.00	.00	.00	.0	.00	.08	.01	.00	8.71	.000
14...	.00	.00	.00	.00	.00	.0	.00	.07	.00	.00	14.1	.000
JUL												
18...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.04	25.0	.000
AUG												
15...	.00	.00	.00	.00	.00	.0	.00	.15	.00	.00	1.00	.000
SEP												
04...	.00	.00	.00	.00	.00	.0	.00	.05	.00	.00	2.57	.000

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) National Geodetic Vertical Datum of 1929. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1948, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 366 ft³/s (10.37 m³/s) 20.12 in/yr (511 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. 25	2230	2810 79.6	10.71 3.264	Mar. 5	1715	2340 66.3	9.55 2.911
Feb. 9	0645	3730 106	12.74 3.883	Apr. 5	unknown	about 2200 62.3	unknown ---
Feb. 25	1300	12800 362	18.96 5.779	Apr. 23	1815	*17600 498	*20.08 6.120

Minimum discharge, 95 ft³/s (2.69 m³/s) Oct. 31, Nov. 1, 2, 3-5, 6, gage height, 1.05 ft (0.320 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	96	166	126	1420	1820	204	397	391	134	227	128
2	115	96	146	156	1250	770	205	348	349	133	197	125
3	113	95	139	216	677	1050	953	313	317	132	179	151
4	112	95	159	215	667	1930	1900	299	262	131	168	166
5	110	95	201	179	1360	2270	2100	322	223	129	162	138
6	108	97	196	159	2230	1940	1800	345	201	128	157	134
7	107	100	190	324	2960	1610	900	328	193	129	151	126
8	106	103	161	370	3450	919	550	286	185	130	148	124
9	105	106	147	340	3660	562	450	256	178	264	144	124
10	105	103	202	266	3150	474	400	240	179	238	141	122
11	104	101	309	215	1910	513	350	229	205	347	139	119
12	104	100	261	185	720	540	300	239	176	722	136	118
13	104	100	194	171	541	466	270	346	166	384	134	116
14	102	99	163	160	467	401	250	1220	162	315	133	115
15	101	102	148	153	418	358	230	1590	158	263	131	114
16	101	102	142	146	381	325	220	499	156	297	130	113
17	100	106	137	142	351	301	210	326	155	223	129	116
18	99	105	138	138	351	287	200	265	153	183	126	117
19	100	117	134	136	451	274	195	236	151	165	125	118
20	100	114	130	293	578	262	190	218	148	156	125	126
21	101	107	130	655	705	251	407	205	146	163	125	132
22	99	104	132	1280	599	272	2270	198	144	169	126	149
23	99	103	129	1620	718	499	14400	210	143	163	130	155
24	98	101	128	2250	2180	384	12000	197	142	233	132	146
25	98	101	126	2720	9280	320	5430	186	141	644	134	129
26	98	106	127	2600	7120	285	3740	177	139	1220	131	123
27	97	202	127	1810	4530	248	2580	171	137	1850	137	120
28	97	238	124	1460	3300	227	988	167	136	1590	136	119
29	96	246	123	1190	---	215	597	165	135	732	135	118
30	96	220	122	1090	---	205	471	180	134	400	131	117
31	96	---	122	1030	---	200	---	294	---	279	131	---
TOTAL	3190	3560	4853	21795	55424	20178	54760	10452	5505	12046	4430	3818
MEAN	103	119	157	703	1979	651	1825	337	184	389	143	127
MAX	119	246	309	2720	9280	2270	14400	1590	391	1850	227	166
MIN	96	95	122	126	351	200	190	165	134	128	125	113
CFSM	.42	.48	.64	2.85	8.01	2.64	7.39	1.36	.74	1.57	.58	.51
IN.	.48	.54	.73	3.28	8.35	3.04	8.25	1.57	.83	1.81	.67	.58

CAL YR 1978 TOTAL 113585 MEAN 311 MAX 3230 MIN 95 CFSM 1.26 IN 17.11
WTR YR 1979 TOTAL 200011 MEAN 548 MAX 14400 MIN 95 CFSM 2.22 IN 30.12

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.34	1.06	1.78	1.41	7.16	8.17	2.38	3.58	3.53	1.73	2.47	1.67
2	1.29	1.05	1.60	1.69	6.67	5.10	2.39	3.32	3.30	1.72	2.26	1.63
3	1.26	1.05	1.54	2.15	4.73	6.01	5.64	3.14	3.12	1.71	2.13	1.88
4	1.25	1.05	1.72	2.15	4.68	8.52	8.45	3.06	2.79	1.70	2.04	2.02
5	1.23	1.05	2.04	1.89	6.98	9.39	---	3.18	2.52	1.68	1.99	1.77
6	1.21	1.07	2.02	1.72	9.28	8.56	---	3.30	2.36	1.67	1.94	1.73
7	1.20	1.10	1.97	2.85	11.03	7.70	---	3.21	2.29	1.67	1.89	1.65
8	1.19	1.14	1.74	3.15	12.13	5.60	---	2.99	2.21	1.69	1.86	1.62
9	1.17	1.18	1.61	2.96	12.57	4.30	---	2.83	2.15	2.63	1.83	1.62
10	1.16	1.14	2.01	2.49	11.47	3.90	---	2.72	2.14	2.54	1.80	1.60
11	1.16	1.13	2.76	2.15	8.42	4.08	---	2.65	2.31	3.16	1.77	1.58
12	1.16	1.11	2.46	1.94	4.90	4.21	---	2.71	2.11	4.93	1.75	1.55
13	1.16	1.11	2.00	1.82	4.11	3.85	---	3.29	2.02	3.40	1.73	1.54
14	1.13	1.10	1.76	1.74	3.72	3.52	---	6.54	1.97	3.02	1.71	1.53
15	1.12	1.13	1.63	1.67	3.44	3.28	---	7.61	1.96	2.71	---	1.51
16	1.12	1.13	1.57	1.61	3.21	3.09	---	4.04	1.94	2.92	---	1.50
17	1.10	1.18	1.52	1.56	3.02	2.97	---	3.20	1.93	2.44	1.67	1.53
18	1.10	1.17	1.53	1.53	3.02	2.88	---	2.88	1.92	2.16	1.64	1.54
19	1.10	1.31	1.49	1.51	3.62	2.81	---	2.69	1.89	2.01	1.63	1.56
20	1.11	1.27	1.44	2.62	4.29	2.74	2.28	2.57	1.87	1.93	---	1.65
21	1.12	1.19	1.44	4.55	4.85	2.67	3.36	2.48	1.85	2.00	---	1.71
22	1.10	1.16	1.47	6.76	4.40	2.79	9.27	2.43	1.83	2.04	1.65	1.87
23	1.10	1.14	1.44	7.73	4.84	4.02	19.14	2.51	1.82	1.99	1.68	1.93
24	1.09	1.13	1.43	9.32	9.13	3.42	18.63	2.42	1.81	2.45	1.71	1.85
25	1.09	1.12	1.41	10.47	17.09	3.07	15.37	2.34	1.80	4.63	1.73	1.68
26	1.09	1.18	1.41	10.19	16.77	2.87	12.71	2.28	1.78	6.56	1.70	1.61
27	1.08	2.03	1.41	8.22	14.16	2.66	10.13	2.22	1.76	8.32	1.76	1.58
28	1.07	2.31	1.39	7.29	11.79	2.53	5.83	2.19	1.75	7.63	1.75	1.58
29	1.07	2.36	1.37	6.52	---	2.47	4.47	2.17	1.74	4.95	1.74	1.56
30	1.06	2.18	1.36	6.21	---	2.39	3.93	2.29	1.73	3.49	1.69	1.55
31	1.06	---	1.36	6.02	---	2.35	---	3.01	---	2.81	1.70	---
MEAN	1.14	1.28	1.67	4.00	7.55	4.26	---	3.09	2.14	3.04	---	1.65
MAX	1.34	2.36	2.76	10.47	17.09	9.39	19.14	7.61	3.53	8.32	2.47	2.02
MIN	1.06	1.05	1.36	1.41	3.02	2.35	---	2.17	1.73	1.67	---	1.50

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) National Geodetic Vertical Datum of 1929. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft (30 m) upstream at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 115 ft³/s (3.257 m³/s), 19.64 in/yr (499 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 1,300 ft³/s (42.5 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)	Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)
Jan. 24	0530	1560	44.2	11.79	3.954	Apr. 23	1315	*4400	125	*15.78	4.810
Feb. 7	0015	2230	63.2	13.22	4.029	July 11	2130	1510	42.8	11.63	3.545
Feb. 24	2030	2690	76.2	13.93	4.246	July 25	1800	1780	50.4	12.36	3.767
Apr. 4	0300	1840	52.1	12.47	3.801						

Minimum discharge, 8.2 ft³/s (0.23 m³/s) Oct. 29; minimum gage height, 3.05 ft (0.930 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	9.7	38	21	316	129	39	62	137	17	53	23
2	13	10	23	40	142	108	101	56	114	17	48	23
3	13	9.5	20	90	125	738	1480	51	163	17	45	24
4	14	9.2	122	60	339	1010	1650	55	80	16	41	30
5	14	9.4	160	40	629	384	989	72	47	16	41	27
6	14	9.9	57	28	1730	173	305	56	53	16	39	25
7	13	12	37	40	1950	121	140	47	92	17	37	22
8	13	11	29	160	877	100	99	43	40	52	37	21
9	13	10	55	100	288	86	40	40	32	118	35	20
10	13	10	35	60	156	93	68	38	75	39	34	19
11	12	10	24	48	112	228	62	36	53	737	34	19
12	12	10	20	40	92	145	57	155	31	925	33	19
13	12	10	18	35	80	99	54	349	27	256	40	18
14	12	10	16	31	73	83	51	175	25	349	60	18
15	11	11	16	28	66	76	47	86	24	153	47	17
16	11	12	17	24	59	74	45	59	23	73	34	17
17	11	24	17	22	53	73	43	46	23	49	32	17
18	10	15	17	20	117	72	41	41	21	39	31	17
19	11	12	16	19	162	74	39	37	20	35	30	16
20	11	11	16	567	230	72	38	35	20	35	29	16
21	11	11	27	537	382	72	487	33	19	194	28	16
22	11	11	26	246	204	110	2550	41	19	78	27	15
23	10	11	21	612	752	640	4130	83	19	59	27	15
24	9.4	12	19	1220	2200	171	2640	48	19	119	26	15
25	9.5	12	17	512	2440	94	500	37	18	1420	26	14
26	9.5	23	16	206	882	76	205	28	18	792	25	14
27	9.6	356	15	262	249	62	134	27	18	438	25	14
28	8.9	145	15	213	164	52	98	26	18	272	24	13
29	9.8	94	15	114	---	45	81	27	18	120	24	13
30	9.6	97	15	185	---	42	70	64	17	76	24	12
31	9.3	---	15	631	---	40	---	261	---	60	23	---
TOTAL	354.6	997.7	954	6211	14869	5342	16323	2214	1283	6604	1059	549
MEAN	11.4	33.3	30.8	200	531	172	544	71.4	42.8	213	34.2	18.3
MAX	14	356	160	1220	2440	1010	4130	349	163	1420	60	30
MIN	8.9	9.2	15	19	53	40	38	26	17	16	23	12
CFSM	.14	.42	.39	2.52	6.68	2.16	6.84	.90	.54	2.68	.43	.23
IN.	.17	.47	.45	2.91	6.96	2.50	7.64	1.04	.60	3.09	.50	.26

CAL YR 1978 TOTAL 31880.3 MEAN 87.3 MAX 1910 MIN 8.9 CFSM 1.10 IN 14.92
WTR YR 1979 TOTAL 56760.3 MEAN 156 MAX 4130 MIN 8.9 CFSM 1.96 IN 26.56

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.36	3.35	3.82	3.49	6.09	4.69	3.65	4.08	4.82	3.37	3.74	---
2	3.34	3.36	3.56	---	4.94	4.51	4.10	4.00	4.62	3.36	3.67	---
3	3.34	3.33	3.49	---	4.80	8.24	11.48	3.94	5.01	3.35	3.62	---
4	3.38	3.32	3.85	---	6.25	9.66	11.95	3.98	4.29	3.35	3.56	---
5	3.40	3.32	5.01	---	7.86	6.48	9.55	4.20	3.88	3.35	3.56	---
6	3.39	3.33	4.08	---	12.00	5.04	5.97	4.00	3.91	3.34	3.53	---
7	3.38	3.41	3.80	---	12.62	4.63	4.78	3.89	4.39	3.37	3.49	---
8	3.38	3.35	3.66	---	9.02	4.43	4.42	3.82	3.77	3.86	3.49	---
9	3.39	3.34	4.06	---	5.91	4.29	4.22	3.77	3.64	4.60	3.45	---
10	3.39	3.33	3.77	---	5.04	4.34	4.07	3.73	4.21	3.77	3.43	---
11	3.38	3.33	3.58	---	4.72	5.44	3.99	3.70	3.97	7.63	3.43	---
12	3.38	3.32	3.49	---	4.53	4.82	3.92	4.72	3.63	9.09	---	---
13	3.38	3.32	3.44	---	4.41	4.42	3.89	6.29	3.55	5.62	---	---
14	3.36	3.32	3.40	---	4.34	4.25	3.84	5.08	3.52	6.29	---	---
15	3.36	3.35	3.39	---	4.26	4.17	3.79	4.34	3.50	4.85	3.65	---
16	3.37	3.36	3.41	3.56	4.18	4.15	3.75	4.02	3.49	4.10	3.43	---
17	3.36	3.63	3.43	3.52	4.10	4.13	3.71	3.85	3.47	3.76	3.40	---
18	3.36	3.43	3.42	3.48	4.68	4.13	3.68	3.76	3.44	3.63	3.38	---
19	3.36	3.35	3.40	3.47	5.09	4.14	3.66	3.71	3.43	3.56	3.36	---
20	3.37	3.32	3.39	7.10	5.48	4.12	3.64	3.67	3.42	3.55	3.34	---
21	3.37	3.31	3.62	7.40	6.51	4.12	6.49	3.64	3.41	5.16	3.32	---
22	3.40	3.31	3.60	5.62	5.37	4.42	13.45	3.76	3.40	4.16	---	---
23	3.36	3.31	3.51	7.31	8.44	7.83	15.53	4.30	3.39	3.92	---	---
24	3.34	3.32	3.46	10.46	13.01	5.02	13.63	3.88	3.41	4.41	---	---
25	3.35	3.31	3.42	7.25	13.54	4.37	7.12	3.62	3.38	11.14	---	---
26	3.35	3.51	3.40	5.38	8.82	---	5.33	3.55	3.38	8.58	---	3.11
27	3.35	6.31	3.38	5.75	5.59	---	4.79	3.53	3.38	6.87	---	3.10
28	3.33	4.88	3.38	5.43	4.97	---	4.49	3.52	3.37	5.72	---	3.08
29	3.36	4.42	3.37	4.73	---	---	4.31	3.54	3.38	4.52	---	3.08
30	3.36	4.51	3.37	5.16	---	3.71	4.18	4.06	3.37	4.05	---	3.06
31	3.34	---	3.38	7.90	---	3.67	---	5.70	---	3.85	---	---
MEAN	3.37	3.58	3.59	---	6.66	---	6.05	4.05	3.73	4.84	---	---
MAX	3.40	6.31	5.01	10.46	13.54	9.66	15.53	6.29	5.01	11.14	---	---
MIN	3.33	3.31	3.37	---	4.10	---	3.64	3.52	3.37	3.34	---	3.06

MISSISSIPPI RIVER DELTA

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07377000 AMITE RIVER NEAR DARLINGTON, LA

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

DRAINAGE AREA.--580 mi² (1,504 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--29 years, 883 ft³/s (25.01 m³/s), 20.67 in/yr (525 mm/yr).

REMARKS.--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. 21	1600	12900 365	15.34 4.676	Mar. 4	1945	10800 306	14.42 4.395
Feb. 7	1400	10300 292	14.15 4.313	Apr. 4	2300	8500 241	13.06 3.981
Feb. 25	1230	24000 680	17.35 5.288	Apr. 23	0545	*43400 1230	*19.25 5.867

Minimum discharge, 250 ft³/s (7.08 m³/s) Nov. 5, 6, gage height, 3.70 ft (1.88 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	252	342	404	1760	1380	417	721	1460	354	383	334
2	296	252	321	543	1240	1180	420	641	844	358	367	355
3	291	253	309	656	1280	4810	1230	588	794	350	353	1560
4	294	252	546	548	2230	9660	6950	741	630	346	372	1690
5	311	251	654	444	2990	8690	6730	2540	623	342	361	595
6	322	256	504	411	7440	4560	3890	3260	622	339	352	479
7	299	274	399	508	10100	1640	1420	2160	511	355	338	547
8	283	274	370	715	8450	1220	996	1000	464	451	328	473
9	278	265	1130	679	3700	996	805	733	443	410	320	379
10	276	261	1710	553	1580	865	710	607	438	535	317	355
11	276	261	1350	467	1240	855	630	539	434	486	312	344
12	276	261	699	425	1060	830	592	725	419	971	310	337
13	275	260	512	405	944	742	666	1050	399	656	315	332
14	269	259	441	395	866	678	694	642	389	568	314	327
15	264	261	402	368	808	616	584	507	393	481	358	321
16	263	265	383	353	746	584	595	456	402	425	402	316
17	261	281	375	348	688	570	477	428	386	390	330	318
18	260	287	362	345	886	546	453	409	380	389	310	336
19	261	277	349	345	1630	528	438	396	375	562	306	340
20	261	269	344	3180	1510	510	423	388	370	534	302	379
21	262	265	351	11400	1090	495	1010	383	367	745	342	1250
22	261	264	377	10600	996	486	15400	378	365	657	346	1050
23	259	263	359	5770	2570	574	37200	407	363	492	393	564
24	259	264	349	5920	14700	730	19200	447	361	460	335	422
25	258	264	354	4960	22800	602	8290	402	358	915	403	372
26	259	277	347	2380	13500	504	2230	370	355	849	949	352
27	258	506	337	3500	4980	468	1490	360	351	830	470	343
28	256	537	327	4490	1760	459	1300	357	350	762	374	339
29	253	395	323	2710	---	447	1120	358	349	598	370	335
30	252	355	331	1350	---	426	841	454	353	520	422	329
31	252	---	356	1780	---	420	---	1700	---	422	355	---
TOTAL	8441	8661	15313	66952	113544	47071	117201	24147	14348	16552	11509	15473
MEAN	272	289	494	2160	4055	1518	3907	779	478	534	371	516
MAX	322	537	1710	11400	22800	9660	37200	3260	1460	971	949	1690
MIN	252	251	309	345	688	420	417	357	349	339	302	316
CFSM	.47	.50	.85	3.72	6.99	2.62	6.74	1.34	.82	.92	.64	.89
IN.	.54	.56	.98	4.29	7.28	3.02	7.52	1.55	.92	1.06	.74	.99

CAL YR 1978	TOTAL	256710	MEAN	703	MAX	11500	MIN	251	CFSM	1.21	IN	16.46
WTR YR 1979	TOTAL	459212	MEAN	1258	MAX	37200	MIN	251	CFSM	2.17	IN	29.45

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.93	3.71	4.14	4.38	7.11	6.55	4.64	5.62	6.69	4.43	4.66	4.52
2	3.93	3.71	4.05	4.85	6.32	6.22	4.65	5.47	5.82	4.45	4.60	4.61
3	3.91	3.71	3.99	5.16	6.36	10.08	6.18	5.35	5.74	4.42	4.55	6.74
4	3.92	3.71	4.81	4.86	7.74	13.74	11.96	5.61	5.33	4.40	4.62	6.98
5	4.01	3.71	5.15	4.53	8.51	13.16	11.83	8.12	5.32	4.38	4.59	5.22
6	4.06	3.73	4.73	4.41	12.33	10.04	9.53	8.96	5.31	4.37	4.56	4.93
7	3.95	3.82	4.37	4.73	14.00	6.93	6.62	7.63	4.99	4.44	4.51	5.11
8	3.86	3.82	4.26	5.31	13.00	6.33	5.90	6.08	4.84	4.79	4.46	4.90
9	3.84	3.77	5.92	5.22	9.21	5.99	5.65	5.64	4.77	4.65	4.44	4.62
10	3.83	3.76	7.05	4.88	6.70	5.76	5.44	5.39	4.75	5.05	4.42	4.53
11	3.83	3.76	6.48	4.61	6.11	5.74	5.26	5.24	4.74	4.91	4.41	4.48
12	3.83	3.76	5.26	4.46	5.78	5.69	5.16	5.57	4.68	5.96	4.40	4.45
13	3.83	3.75	4.75	4.39	5.55	5.51	5.34	6.14	4.61	5.40	4.43	4.43
14	3.80	3.74	4.52	4.36	5.38	5.37	5.41	5.46	4.58	5.18	4.43	4.41
15	3.77	3.75	4.38	4.24	5.26	5.23	5.15	5.16	4.59	4.91	4.60	4.38
16	3.77	3.78	4.31	4.19	5.12	5.15	5.17	5.03	4.62	4.73	4.79	4.36
17	3.76	3.86	4.28	4.17	4.97	5.11	4.84	4.93	4.56	4.61	4.50	4.37
18	3.75	3.88	4.22	4.16	5.40	5.05	4.76	4.87	4.54	4.61	4.41	4.45
19	3.75	3.84	4.17	4.16	6.78	5.00	4.71	4.82	4.52	5.18	4.39	4.46
20	3.76	3.79	4.15	7.99	6.58	4.95	4.66	4.79	4.50	5.11	4.37	4.60
21	3.76	3.78	4.18	14.61	5.84	4.90	7.00	4.77	4.49	5.61	4.55	6.35
22	3.75	3.77	4.29	14.23	5.51	4.87	15.98	4.75	4.48	5.42	4.57	6.07
23	3.75	3.77	4.21	11.10	7.79	5.11	18.73	4.86	4.47	4.99	4.75	5.15
24	3.74	3.77	4.17	11.26	15.48	5.49	16.51	5.00	4.46	4.89	4.52	4.76
25	3.74	3.77	4.20	10.49	17.18	5.19	12.82	4.84	4.45	5.92	4.79	4.59
26	3.74	3.84	4.17	7.88	15.22	4.93	7.66	4.72	4.44	5.82	5.93	4.52
27	3.74	4.70	4.12	9.15	10.34	4.81	6.71	4.68	4.42	5.79	5.02	4.48
28	3.73	4.83	4.08	10.11	7.10	4.76	6.48	4.67	4.42	5.67	4.69	4.46
29	3.72	4.35	4.06	8.27	---	4.72	6.24	4.67	4.41	5.33	4.67	4.44
30	3.71	4.20	4.10	6.49	---	4.67	5.84	4.97	4.43	5.10	4.86	4.42
31	3.71	---	4.20	7.13	---	4.65	---	7.03	---	4.79	4.61	---
MEAN	3.81	3.87	4.54	6.64	8.31	6.18	7.56	5.51	4.80	5.01	4.62	4.86
MAX	4.06	4.83	7.05	14.61	17.18	13.74	18.73	8.96	6.69	5.96	5.93	6.98
MIN	3.71	3.71	3.99	4.16	4.97	4.65	4.64	4.67	4.41	4.37	4.37	4.36

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA

LOCATION.--Lat 30°37'36", long 90°59'20", in lot 59, T.5 S., R.2 E., East Baton Rouge Parish, Hydrologic Unit 08070202, on downstream side of bridge on Louisiana Highway 409, 0.5 mi (0.8 km) upstream from Sandy Creek, 0.6 mi (1.0 km) downstream from Wind Bayou, and 3.4 (5.5 km) north of village of Greenwell Springs.

DRAINAGE AREA.--28.2 mi² (73.0 km²).

PERIOD OF RECORD.--October 1974 to current year. Unpublished gage-height records, June to September 1974, available in files of Baton Rouge district office.

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

AVERAGE DISCHARGE.--5 years, 56.8 ft³/s (1.609 m³/s), 27.35 in/yr (695 mm/yr).

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,780 ft³/s (164 m³/s) Apr. 22, 1979, maximum gage height, 24.47 ft or 7.458 m (backwater from Amite River) Apr. 21, 1977; minimum discharge, no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 650 ft³/s (18.4 m³/s) and maximum (*) for water years 1975-79:

Water year	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Water year	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
1975	Jan. 9, 1975..	0830	*1530 43.3	*20.33 6.197	1978	Oct. 9.....	1545	838 23.7	17.60 5.364
1975	Apr. 15.....	0700	960 27.2	18.10 5.517	1978	Nov. 14.....	0645	814 23.1	18.08 5.511
1975	May 1.....	1330	896 25.4	17.84 5.438	1978	Nov. 30.....	2200	1040 29.5	18.40 5.608
1975	Aug. 2.....	0100	1320 37.4	19.35 5.898	1978	Jan. 25, 1978..	1400	979 27.7	18.18 5.541
1976	Mar. 26, 1976..	0200	*1300 36.8	*19.29 5.880	1978	May 8.....	0600	*1650 46.7	*20.10 6.126
1977	Jan. 1, 1977..	0045	936 26.5	18.01 5.489	1978	Aug. 30.....	0815	816 23.1	17.51 5.337
1977	Feb. 4.....	0830	663 18.8	16.77 5.112	1979	Feb. 4, 1979	unknown	about 900	25.5 unknown ---
1977	Mar. 31.....	2230	1210 34.3	19.03 5.800	1979	Feb. 24.....	1300	2200 62.9	20.97 6.392
1977	Apr. 21.....	2400	*4230 120	a24.47 7.458	1979	Mar. 3.....	1915	900 25.5	17.86 5.444
1977	Aug. 25.....	0400	1920 54.4	20.56 6.267	1979	Apr. 3.....	unknown	about 940	26.6 unknown ---
1977	Sept. 6.....	1400	4190 119	22.38 6.821	1979	Apr. 22.....	2115	*5780 164	*22.96 6.998

a Annual maximum, backwater from Amite River.

NOTE.--Supplemental peak discharges for water years 1975-78 not previously published.

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.61	4.8	60	10	.51	3.5	110	.09	2.3	1.3
2	0	0	.81	5.4	270	60	.57	3.2	19	.03	1.7	14
3	0	0	2.2	2.5	250	757	178	3.1	6.7	.12	1.3	142
4	0	0	7.9	1.5	600	619	630	23	3.5	.07	1.0	19
5	0	0	15	.61	580	104	469	54	1.8	.05	.84	4.6
6	0	0	13	.61	60	19	127	9.4	1.3	.03	.65	5.6
7	0	0	9.2	42	20	11	7.1	4.7	1.0	.16	.46	18
8	0	0	26	40	8.0	8.1	4.6	3.1	.94	1.3	.27	4.5
9	0	0	16	12	4.5	8.1	3.3	2.3	.84	1.2	.27	1.6
10	0	0	18	3.0	3.5	18	2.6	1.8	.74	.91	.18	.69
11	0	0	8.9	.43	2.7	119	2.5	1.1	.65	55	0	.11
12	0	0	7.2	.61	2.4	51	2.4	25	.56	69	0	0
13	.01	0	5.7	.27	3.0	14	2.7	53	.65	6.4	0	0
14	.01	0	4.5	1.5	4.0	9.4	3.4	5.9	.46	39	0	0
15	.03	0	3.6	.81	3.0	12	2.6	2.4	.46	9.0	.18	0
16	.05	0	2.8	.43	2.4	15	2.3	1.2	.46	3.0	.36	0
17	.05	.13	4.5	1.7	1.7	17	1.9	.65	.49	2.1	.02	0
18	.05	.13	3.5	350	1.4	23	1.8	.18	.46	.49	0	0
19	.06	.61	3.0	310	1.2	25	1.7	.12	.46	2.6	0	0
20	.05	1.2	3.3	40	9.0	25	1.5	.34	.36	94	0	17
21	.03	1.2	4.8	100	8.0	15	544	.77	.34	9.0	0	136
22	.03	1.2	5.1	300	18	30	3990	1.0	.43	3.2	.02	18
23	.03	1.5	6.0	90	497	113	2420	1.2	.45	1.5	39	4.5
24	.03	1.7	3.6	20	2140	27	830	1.1	.31	94	20	1.6
25	.03	2.2	2.8	70	1320	5.8	298	.83	.27	360	107	.89
26	.01	6.6	2.0	30	493	3.2	14	1.0	.36	330	99	.34
27	0	96	2.5	12	89	2.3	7.7	1.1	.36	70	8.4	0
28	0	53	2.5	50	14	1.7	5.7	.58	.15	18	4.3	0
29	0	.61	2.2	350	---	1.2	4.4	.46	.09	6.0	5.9	0
30	0	.13	2.8	110	---	.79	3.7	147	.09	4.9	4.2	0
31	0	---	3.0	15	---	.63	---	433	---	3.2	2.3	---
TOTAL	.47	166.21	193.02	1965.17	6465.8	2125.22	9562.98	786.03	153.68	1184.35	299.65	389.73
MEAN	.015	5.54	6.23	63.4	231	68.6	319	25.4	5.12	38.2	9.67	13.0
MAX	.06	96	26	350	2140	757	3990	433	110	360	107	142
MIN	0	0	.61	.27	1.2	.63	.51	.12	.09	.03	0	0
CFSM	0	.20	.22	2.25	8.19	2.43	11.3	.90	.18	1.35	.34	.46
IN.	.0006	.22	.25	2.59	8.53	2.80	12.61	1.04	.20	1.56	.40	.51

CAL YR 1978 TOTAL 11265.31 MEAN 30.9 MAX 1330 MIN 0 CFSM 1.10 IN 14.86
WTR YR 1979 TOTAL 23292.31 MEAN 63.8 MAX 3990 MIN 0 CFSM 2.26 IN 30.72

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.86	7.83	7.98	8.43	---	8.10	7.26	7.53	9.78	7.30	7.16	7.06
2	7.88	7.83	7.99	8.45	---	8.91	7.26	7.50	8.31	7.29	7.10	7.60
3	7.90	7.84	8.03	8.35	---	17.12	10.72	7.49	7.88	7.30	7.06	10.32
4	7.90	7.84	8.17	8.31	---	16.06	16.47	8.10	7.63	7.27	7.03	8.03
5	7.91	7.85	8.33	8.27	---	9.71	14.81	8.87	7.46	7.18	7.01	7.40
6	7.92	7.87	8.29	8.27	---	8.34	10.05	7.95	7.41	7.16	6.99	7.33
7	7.92	7.91	8.20	8.88	---	8.12	7.85	7.64	7.38	7.27	6.97	8.08
8	7.92	7.91	8.52	8.70	---	8.01	7.65	7.49	7.37	7.41	6.95	7.39
9	7.92	7.90	8.32	7.91	---	8.01	7.53	7.41	7.36	7.40	6.95	7.09
10	7.92	7.89	8.36	7.55	---	8.26	7.46	7.35	7.35	7.36	6.94	6.99
11	7.93	7.88	8.12	7.41	---	9.94	7.44	7.28	7.34	8.64	6.92	6.93
12	7.93	7.88	8.14	7.42	---	8.85	7.43	8.08	7.33	9.11	6.92	6.88
13	7.94	7.88	8.16	7.40	---	8.22	7.46	8.84	7.34	7.78	6.92	6.85
14	7.94	7.88	8.17	7.53	---	8.07	7.54	7.73	7.32	8.62	6.90	6.83
15	7.95	7.90	8.19	7.58	---	8.16	7.45	7.42	7.32	7.90	6.94	6.82
16	7.96	7.91	8.21	7.74	---	8.25	7.42	7.29	7.32	7.48	6.95	6.80
17	7.96	7.96	8.27	7.74	---	8.31	7.38	7.23	7.32	7.38	6.92	6.79
18	7.96	7.96	8.27	---	---	8.42	7.37	7.18	7.32	7.21	6.91	6.80
19	7.97	7.98	8.27	---	---	8.46	7.36	7.17	7.32	7.34	6.90	6.80
20	7.96	8.00	8.29	---	---	8.46	7.34	7.20	7.32	9.51	6.90	7.46
21	7.95	8.00	8.36	---	---	7.99	13.21	7.26	7.32	7.80	6.90	10.22
22	7.95	8.00	8.39	---	8.30	8.06	22.29	7.30	7.33	7.38	6.91	8.02
23	7.95	8.01	8.44	---	14.59	9.83	21.19	7.33	7.33	7.19	8.47	7.39
24	7.95	8.02	8.37	---	20.60	8.41	17.45	7.33	7.32	9.31	7.92	7.09
25	7.95	8.03	8.35	---	19.11	7.77	12.58	7.32	7.33	13.56	9.74	7.02
26	7.94	8.14	8.33	---	15.06	7.53	8.15	7.35	7.34	13.13	9.58	6.95
27	7.89	9.72	8.35	---	9.46	7.44	7.89	7.37	7.34	9.12	7.71	6.90
28	7.85	8.99	8.35	---	8.23	7.38	7.73	7.32	7.32	8.06	7.37	6.87
29	7.82	7.98	8.34	---	---	7.33	7.62	7.32	7.30	7.55	7.52	6.85
30	7.82	7.96	8.36	---	---	7.28	7.55	10.13	7.30	7.43	7.36	6.83
31	7.83	---	8.37	---	---	7.27	---	14.55	---	7.26	7.17	---
MEAN	7.92	8.03	8.27	---	---	8.78	9.90	7.85	7.48	8.12	7.29	7.35
MAX	7.97	9.72	8.52	---	20.60	17.12	22.29	14.55	9.78	13.56	9.74	10.32
MIN	7.82	7.83	7.98	---	---	7.27	7.26	7.17	7.30	7.16	6.90	6.79

MISSISSIPPI RIVER DELTA

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07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in lot 41, T.3 S., R.2 E., St. Helena meridian, East Feliciana Parish, Hydrologic Unit, 07070202, near center of span on downstream side of bridge on State Highway 67, 1,800 ft (549 m) downstream from Knighton Bayou, and 1.3 mi (2.1 km) northeast of Olive Branch.

DRAINAGE AREA.--145 mi (376 km²).

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

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

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft (34.640 m) National Geodetic Vertical Datum of 1929. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft (430 m) upstream. Prior to Oct. 1, 1977, at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records good except for periods of no gage-height record, which are poor. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--37 years, 229 ft³/s (6.49 m³/s), 21.45 in/yr (545 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s (634 m³/s) Apr. 22, 1977; maximum gage height, 23.37 ft (7.123 m), present datum, Mar. 18, 1961; minimum discharge, 28 ft³/s (0.79 m³/s) Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, 1.84 ft (0.561 m) July 31, Aug. 6, 1978.

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. 21	1845	3820 108	8.84 2.694	Mar. 4	1515	3400 92.3	8.42 2.566
Feb. 7	0700	3290 93.2	8.31 2.533	Apr. 4	0500	2680 75.9	7.66 2.335
Feb. 24	1515	11300 320	14.38 4.383	Apr. 22	1745	*21300 60.3	*20.36 6.206

Minimum daily discharge, 44 ft³/s (1.25 m³/s) Oct. 28-31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	45	72	78	463	207	77	110	168	51	60	69
2	60	45	61	90	211	200	93	105	95	51	59	69
3	59	46	58	90	577	1330	1440	100	87	50	58	474
4	57	45	340	84	1300	2710	2260	180	81	50	57	553
5	56	46	299	80	1080	1330	1900	261	74	49	56	117
6	56	47	111	78	2550	279	500	132	72	49	55	113
7	55	50	80	90	3110	205	220	100	69	48	68	150
8	54	49	74	130	1720	176	160	90	68	49	58	81
9	54	49	610	100	343	160	119	111	66	49	55	73
10	54	48	560	86	213	149	114	106	65	50	58	68
11	54	48	230	77	167	153	103	104	61	69	54	65
12	54	48	115	71	144	158	99	132	62	264	54	63
13	53	47	105	69	135	146	117	128	60	152	53	61
14	52	47	98	66	125	139	109	106	58	336	53	61
15	51	46	90	62	120	138	94	100	58	122	53	59
16	51	47	92	62	113	136	88	97	57	95	52	58
17	51	47	90	63	108	136	84	95	59	99	57	58
18	51	48	84	64	230	135	81	94	57	62	52	58
19	48	48	78	64	391	133	79	93	56	69	51	61
20	48	48	72	995	186	124	79	92	54	70	50	87
21	48	48	76	2710	145	111	3300	91	54	311	89	356
22	48	48	80	1540	130	121	15100	91	54	85	82	176
23	48	48	86	578	1700	245	7630	96	53	70	65	79
24	46	47	80	1440	8950	168	2040	99	54	195	64	67
25	45	47	76	803	6170	116	739	94	55	419	78	62
26	45	56	74	251	1700	97	251	89	53	180	602	60
27	45	269	70	1000	364	88	168	88	52	313	191	59
28	44	216	69	521	252	83	141	88	52	157	89	58
29	44	94	68	218	---	81	125	89	51	87	80	57
30	44	75	67	391	---	79	116	133	51	69	82	56
31	44	---	68	1310	---	78	---	404	---	63	75	---
TOTAL	1582	1892	4133	13261	32697	9411	37426	3698	1956	3783	2610	3428
MEAN	51.0	63.1	133	428	1168	304	1248	119	65.2	122	84.2	114
MAX	63	269	610	2710	8950	2710	15100	404	168	419	602	553
MIN	44	45	58	62	108	78	77	88	51	48	50	56
CFSM	.35	.44	.92	2.95	8.06	2.10	8.61	.82	.45	.84	.58	.79
IN.	.41	.49	1.06	3.40	8.39	2.41	9.60	.95	.50	.97	.67	.88
CAL YR 1978	TOTAL	64365	MEAN 176	MAX 4600	MIN 44	CFSM 1.21	IN 16.51					
WTR YR 1979	TOTAL	115877	MEAN 317	MAX 15100	MIN 44	CFSM 2.19	IN 29.73					

MISSISSIPPI RIVER DELTA

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.00	---	2.07	---	3.70	2.83	2.11	2.33	2.73	2.07	2.08	2.00
2	1.98	1.86	1.99	---	2.85	2.79	2.19	---	2.37	2.07	2.07	2.00
3	1.97	1.86	1.97	---	3.80	5.63	5.75	---	2.32	2.06	2.07	3.64
4	1.96	1.86	3.27	---	5.59	7.64	7.13	---	2.28	2.06	2.05	3.91
5	1.95	1.86	3.16	---	5.16	5.46	6.63	3.05	2.24	2.05	2.05	2.33
6	1.95	1.88	2.33	---	7.47	3.13	---	2.46	2.21	2.05	2.04	2.28
7	1.94	1.90	2.13	---	8.13	2.82	---	---	2.20	2.05	2.14	2.50
8	1.93	1.89	2.08	---	6.14	2.69	---	---	2.19	2.05	2.06	2.09
9	1.93	1.89	3.86	---	3.35	2.60	2.38	2.33	2.18	2.05	2.04	2.02
10	1.93	1.88	---	---	2.86	2.55	2.35	2.31	2.17	2.07	2.06	1.99
11	1.93	1.88	---	2.10	2.64	2.57	2.29	2.30	2.12	2.20	2.03	1.97
12	1.93	1.88	---	2.06	2.52	2.60	2.26	2.45	2.15	3.09	2.03	1.96
13	1.93	1.87	---	2.05	---	2.53	2.37	2.43	2.14	2.65	2.02	1.94
14	1.92	1.87	---	2.03	---	2.50	2.32	2.31	2.13	3.35	2.02	1.94
15	1.91	1.87	---	2.00	2.39	2.49	2.22	2.26	2.12	2.51	2.02	1.93
16	1.91	1.87	---	2.00	2.35	2.48	2.18	2.25	2.12	2.37	2.02	1.92
17	1.91	1.88	---	2.01	2.32	2.48	2.15	2.24	2.13	2.39	2.06	1.91
18	1.91	1.88	---	2.01	2.87	2.47	2.13	2.23	2.11	2.15	2.02	1.91
19	1.89	1.89	---	2.01	3.50	2.46	2.12	2.22	2.11	2.21	2.01	1.93
20	1.89	1.88	---	4.71	2.73	2.41	2.12	2.21	2.10	2.20	2.00	2.11
21	1.89	1.89	---	7.63	2.53	2.33	7.96	2.21	2.09	3.17	2.23	3.37
22	1.89	1.89	---	5.71	2.45	2.39	16.62	2.21	2.09	2.26	2.23	2.62
23	1.89	1.88	---	3.91	5.94	3.00	11.67	2.24	2.09	2.15	2.12	2.08
24	1.87	1.87	---	5.86	13.07	2.64	6.76	2.26	2.09	2.69	2.11	1.98
25	1.86	1.87	---	4.51	10.94	2.37	4.40	2.22	2.10	3.59	2.19	1.95
26	---	1.94	---	3.02	6.12	2.25	3.01	2.19	2.08	2.76	4.11	1.93
27	---	3.08	---	5.02	3.43	2.19	2.64	2.18	2.08	3.27	2.68	1.92
28	---	2.85	---	3.86	3.03	2.15	2.51	2.18	2.07	2.65	2.15	1.91
29	---	2.22	---	2.88	---	2.14	2.42	2.18	2.07	2.27	2.08	1.91
30	---	2.09	---	3.31	---	2.12	2.37	2.43	2.07	2.15	2.10	1.90
31	---	---	---	5.60	---	2.11	---	3.56	---	2.10	2.04	---
MEAN	---	---	---	---	---	2.87	---	---	2.17	2.41	2.16	2.20
MAX	2.00	3.08	---	---	13.07	7.64	16.62	3.56	2.73	3.59	4.11	3.91
MIN	---	1.86	1.97	2.00	2.32	2.11	2.11	2.18	2.07	2.05	2.00	1.90

07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE, LA

LOCATION.--Lat 30°37'00", long 91°06'55", in SE¼NW¼ lot 16, T.5 S., R.2 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67 (Plank Road), 1.0 mi (1.6 km) downstream from point of diversion, 2.6 mi (4.2 km) upstream from mouth, and 6.5 mi (10.5 km) northeast of terminal building at Ryan Airport, at Baton Rouge.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1972 to current year. Daily gage heights January 1965 to July 1972 published as "Stewart Swamp diversion canal near Fred, La." by Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 62.00 ft (18.898 m) National Geodetic Vertical Datum of 1929 (levels by 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 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--7 years, 10.9 ft³/s (0.309 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,550 ft³/s (43.9 m³/s) Apr. 23, 1979. Maximum gage height, 19.08 ft (5.816 m) Apr. 22, 1977 (backwater from Comite River); no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,550 ft³/s (43.9 m³/s) Apr. 23, gage height, 17.19 ft (5.240 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	0	.05	.06	2.7	.18	.04	.08	15	.03	.01	1.5
2	.02	0	.04	.22	.90	16	.05	.08	6.6	.03	.01	1.6
3	.01	0	.04	.08	3.9	99	104	.10	.76	.03	.01	.03
4	.01	0	.90	.06	5.0	11	180	.44	.04	.03	.01	.01
5	.01	0	.50	.06	30	1.0	3.0	.22	.02	.03	.01	.01
6	.01	0	.22	.17	259	.32	.38	.10	.02	.03	.01	.25
7	.01	0	.10	1.3	137	.10	.10	.08	.02	.03	.01	.05
8	.01	0	.43	.50	3.6	.06	.06	.10	.02	.04	.01	.01
9	.01	0	.90	.18	.98	.05	.05	.08	.02	.08	.01	.01
10	0	0	.27	.10	.38	1.3	.04	.08	.02	.10	.01	0
11	0	0	.08	.08	.22	2.0	.04	.14	.02	11	.01	0
12	0	0	.05	.05	.14	.56	.08	.44	.02	1.4	.01	.01
13	0	0	.04	.05	.14	.14	.63	.10	.02	1.0	0	.02
14	0	0	.04	.04	.27	.06	.14	.05	.02	.70	0	.02
15	0	0	.04	.04	.18	.04	.04	.05	.02	.05	0	.01
16	0	0	.04	.04	.14	.04	.04	.08	.02	.03	0	0
17	0	0	.08	.04	.14	.05	.04	.04	.02	.03	0	0
18	0	0	.05	.04	3.0	.08	.04	.04	.02	.03	0	0
19	0	0	.05	.04	1.2	.10	.04	.04	.02	.02	0	0
20	0	0	.05	112	.76	.10	.04	.04	.02	.02	0	2.4
21	0	0	.18	27	.83	.10	257	.04	.02	.02	0	.59
22	0	0	.08	1.7	1.4	1.1	806	.04	.02	.02	.01	.03
23	0	0	.06	24	175	1.6	1210	.05	.02	.02	.01	.02
24	0	0	.05	11	751	.32	367	.04	.03	.03	.01	.01
25	0	0	.04	3.9	352	.14	3.1	.04	.03	.34	.02	.01
26	0	1.8	.04	2.2	19	.14	1.1	.04	.03	.87	.42	.01
27	0	5.7	.04	3.3	.44	.22	.70	.04	.03	.40	.03	.01
28	0	.80	.04	1.4	.27	.22	.50	.04	.03	.02	.01	.01
29	0	.18	.04	.63	---	.14	.44	.05	.03	.02	.01	.01
30	0	.10	.04	10	---	.05	.14	17	.03	.02	.01	.01
31	0	---	.04	27	---	.04	---	9.9	---	.02	.01	---
TOTAL	.11	8.58	4.62	227.28	1749.59	136.25	2934.83	29.66	22.99	16.49	.66	6.64
MEAN	.004	.29	.15	7.33	62.5	4.40	97.8	.96	.77	.53	.021	.22
MAX	.02	5.7	.90	112	751	99	1210	17	15	11	.42	2.4
MIN	0	0	.04	.04	.14	.04	.04	.04	.02	.02	0	0
CAL YR 1978	TOTAL	1504.64	MEAN	4.12	MAX	364	MIN	0				
WTR YR 1979	TOTAL	5137.70	MEAN	14.1	MAX	1210	MIN	0				

MISSISSIPPI RIVER DELTA

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

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.03	3.70	3.99	4.00	4.37	4.02	3.92	3.94	5.02	3.93	3.91	4.15
2	4.00	3.67	3.97	4.05	4.14	4.55	3.96	3.94	4.77	3.92	3.91	4.27
3	3.99	3.64	3.97	4.01	4.48	7.41	6.94	3.95	4.18	3.92	3.91	4.05
4	3.98	3.60	4.16	4.00	4.65	4.92	8.34	4.02	4.03	3.91	3.91	3.95
5	3.97	3.57	4.10	4.00	5.80	4.17	4.34	3.98	3.99	3.90	3.90	3.93
6	3.96	3.59	4.05	4.03	9.25	4.05	3.99	3.95	3.94	3.90	3.90	4.01
7	3.95	3.76	4.02	4.21	7.77	4.00	3.93	3.94	3.94	3.90	3.90	4.01
8	3.95	3.82	4.08	4.08	4.46	3.98	3.91	3.95	3.98	3.95	3.90	3.93
9	3.95	3.81	4.16	4.01	4.15	3.97	3.90	3.94	3.94	3.96	3.89	3.91
10	3.94	3.80	4.06	3.98	4.06	4.17	3.88	3.94	3.93	3.97	3.89	3.90
11	3.94	3.80	4.01	3.97	4.03	4.30	3.89	3.96	3.93	4.87	3.89	3.90
12	3.94	3.79	3.99	3.95	4.01	4.10	3.92	4.02	3.94	4.24	3.89	3.95
13	3.93	3.78	3.97	3.95	4.01	4.01	4.03	3.95	3.94	4.17	3.88	3.97
14	3.92	3.76	3.95	3.93	4.04	3.98	3.94	3.92	3.93	4.16	3.88	3.98
15	3.91	3.75	3.95	3.93	4.02	3.96	3.88	3.92	3.94	4.02	3.88	3.92
16	3.90	3.75	3.98	3.93	4.01	3.95	3.87	3.94	3.94	3.95	3.88	3.90
17	3.89	3.75	4.01	3.93	4.01	3.97	3.87	3.91	3.94	3.92	3.88	3.89
18	3.88	3.73	3.99	3.93	4.41	3.99	3.87	3.91	3.94	3.92	3.87	3.88
19	3.87	3.70	3.99	3.94	4.19	4.00	3.87	3.91	3.94	3.93	3.87	3.88
20	3.87	3.68	3.99	7.24	4.13	4.00	3.87	3.92	3.94	3.93	3.88	4.19
21	3.86	3.67	4.04	5.58	4.14	4.00	8.17	3.93	3.94	3.94	3.89	4.14
22	3.85	3.65	4.01	4.25	4.18	4.15	13.18	3.94	3.94	3.94	3.92	3.98
23	3.85	3.64	4.00	5.30	7.70	4.24	15.45	3.95	3.94	3.94	3.92	3.95
24	3.84	3.62	3.99	5.05	12.80	4.04	8.99	3.94	3.94	3.99	3.92	3.92
25	3.84	3.59	3.97	4.54	10.00	4.00	4.42	3.94	3.95	4.07	3.98	3.90
26	3.84	3.94	3.96	4.31	---	4.00	4.15	3.94	3.95	4.16	4.04	3.90
27	3.84	4.70	3.95	4.46	---	4.02	4.08	3.94	3.94	4.10	4.02	3.90
28	3.82	4.14	3.95	4.20	4.04	4.02	4.04	3.95	3.93	3.95	3.95	3.90
29	3.79	4.04	3.95	4.10	---	4.00	4.02	3.97	3.93	3.93	3.92	3.90
30	3.75	4.02	3.97	4.76	---	3.96	3.96	5.10	3.92	3.92	3.92	3.93
31	3.73	---	3.98	5.80	---	3.94	---	4.97	---	3.92	3.94	---
MEAN	3.90	3.78	4.01	4.37	---	4.19	5.22	4.02	4.02	4.01	3.91	3.97
MAX	4.03	4.70	4.16	7.24	12.80	7.41	15.45	5.10	5.02	4.87	4.04	4.27
MIN	3.73	3.57	3.95	3.93	4.01	3.94	3.87	3.91	3.92	3.90	3.87	3.88

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) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Records for dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--7 years, 82.3 ft³/s (2.331 m³/s), 24.84 in/yr (631 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,480 ft³/s (127 m³/s) Apr. 23, 1979, gage height, 23.05 ft (7.026 m); minimum daily, no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,700 ft³/s (48.1 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 24	2000	2620 74.2	20.37 6.209	Apr. 23	1030	*4480 127	*23.05 7.026

Minimum discharge, 0.09 ft³/s (0.003 m³/s) Oct. 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	.40	6.3	2.0	288	18	2.2	3.8	55	.37	1.8	8.6
2	2.6	.40	3.9	8.5	36	75	2.9	2.6	18	.37	1.3	53
3	1.6	.68	2.6	4.6	188	960	944	1.1	12	.34	1.1	492
4	1.1	.56	208	2.5	618	504	1280	151	16	.34	.80	76
5	.72	.52	134	1.8	612	56	277	370	12	.31	.72	16
6	.60	.68	29	1.8	1390	27	32	42	4.9	.31	.64	8.9
7	.56	1.3	14	39	1300	19	20	15	2.6	.48	.60	12
8	.40	.89	17	29	259	14	13	6.9	1.6	23	.56	3.8
9	.28	.72	268	19	44	10	8.8	4.4	1.2	6.0	.56	1.8
10	.28	.68	356	8.8	25	66	6.9	2.9	.98	.89	.60	1.2
11	.31	.64	34	4.5	18	104	5.9	26	.76	264	.60	.72
12	.37	.60	19	2.9	14	28	12	72	.60	326	.56	.64
13	.40	.64	11	2.1	11	18	19	18	.48	237	.52	.56
14	.34	.72	6.9	1.7	10	12	8.8	5.5	.44	147	.56	.48
15	.22	.72	5.1	1.4	8.8	7.9	5.7	2.5	.40	30	.56	.34
16	.22	.72	4.9	1.7	7.3	6.3	4.0	1.6	.40	9.5	5.7	.31
17	.19	.76	4.9	1.1	6.1	5.5	3.2	1.2	.40	3.6	12	.44
18	.19	.72	4.5	.98	93	5.3	2.6	.89	.44	4.2	3.0	.76
19	.16	.76	3.9	.80	134	4.5	2.5	.72	.52	188	1.4	.60
20	.16	.80	3.3	851	34	4.7	2.1	.72	.34	179	.80	20
21	.13	.80	14	710	24	4.1	836	.68	.31	120	.68	32
22	.13	.76	9.4	89	20	9.3	2530	.68	.31	185	.89	6.7
23	.10	.76	4.0	289	870	27	4140	.98	.31	17	1.2	2.4
24	.10	.76	3.2	594	2510	12	1340	.80	.31	13	.72	1.2
25	.13	.76	2.9	98	1490	10	52	.76	.44	63	4.6	.89
26	.22	10	2.2	43	97	6.1	26	.68	.31	94	2.0	.64
27	.37	134	2.0	183	35	5.3	18	.60	.31	107	.68	.56
28	.40	110	1.6	68	23	3.6	12	.56	.31	30	.56	.44
29	.40	23	1.5	26	---	3.0	7.7	.68	.28	12	.60	.40
30	.40	11	1.4	206	---	3.2	4.9	202	.34	5.7	.68	.44
31	.40	---	1.4	824	---	2.6	---	420	---	3.0	.64	---
TOTAL	17.48	305.75	1183.9	4115.18	10165.2	2031.4	11619.2	1357.25	132.29	2070.41	47.63	743.82
MEAN	.56	10.2	38.2	133	363	65.5	387	43.8	4.41	66.8	1.54	24.8
MAX	4.0	134	356	851	2510	960	4140	420	55	326	12	492
MIN	.10	.40	1.4	.80	6.1	2.6	2.1	.56	.28	.31	.52	.31

CAL YR 1978 TOTAL 17221.27 MEAN 47.2 MAX 1530 MIN .10
WTR YR 1979 TOTAL 33789.51 MEAN 92.6 MAX 4140 MIN .10

MISSISSIPPI RIVER DELTA

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.81	3.41	3.87	3.64	8.14	4.34	3.64	3.85	5.42	3.39	3.66	3.74
2	3.71	3.41	3.74	4.01	4.92	4.99	3.68	3.77	4.37	3.39	3.60	4.96
3	3.63	3.48	3.65	3.82	6.78	13.49	12.94	3.63	4.16	3.38	3.56	10.37
4	3.57	3.45	7.41	3.69	11.30	5.38	15.23	6.03	4.29	3.38	3.52	5.39
5	3.52	3.44	6.59	3.64	11.11	10.42	8.02	9.24	4.17	3.37	3.49	4.26
6	3.49	3.48	4.68	3.64	15.85	4.64	4.79	5.10	3.84	3.37	3.46	4.00
7	3.48	3.57	4.18	4.95	16.39	4.37	4.43	4.34	3.69	3.42	3.44	4.13
8	3.44	3.52	4.28	4.75	7.91	4.20	4.17	4.02	3.61	4.23	3.42	3.76
9	3.40	3.49	7.98	4.42	5.13	4.07	4.01	3.89	3.56	3.81	3.42	3.62
10	3.40	3.48	9.07	4.05	4.61	5.05	3.92	3.79	3.54	3.50	3.43	3.56
11	3.40	3.47	4.92	3.84	4.37	6.21	3.87	4.71	3.52	7.22	3.43	3.49
12	3.42	3.46	4.33	3.73	4.23	4.66	4.10	5.76	3.48	8.87	3.42	3.47
13	3.43	3.47	4.07	3.67	4.12	4.34	4.38	3.06	3.45	7.49	3.41	3.45
14	3.41	3.49	3.89	3.64	4.08	4.14	4.01	3.93	3.44	6.91	3.42	3.43
15	3.37	3.49	3.80	3.61	4.03	3.97	3.86	3.74	3.43	4.80	3.42	3.39
16	3.36	3.49	3.79	3.64	3.96	3.89	3.77	3.66	3.43	4.14	3.69	3.38
17	3.35	3.50	3.79	3.57	3.90	3.85	3.71	3.61	3.43	3.84	4.10	3.42
18	---	3.49	3.78	3.56	5.91	3.84	3.67	3.58	3.44	3.80	3.68	3.50
19	---	3.50	3.74	3.56	6.68	3.80	3.66	3.55	3.47	7.31	3.55	3.46
20	---	3.51	3.70	12.02	4.86	3.81	3.63	3.54	3.42	7.08	3.48	3.94
21	---	3.51	4.17	11.87	4.56	3.77	10.89	3.53	3.41	5.92	3.45	4.77
22	---	3.50	4.02	5.93	4.42	3.97	19.90	3.53	3.41	7.06	3.49	3.92
23	---	3.50	3.76	11.11	12.37	4.64	22.62	3.57	3.41	4.43	3.52	3.66
24	3.31	3.50	3.70	7.68	20.14	4.14	14.03	3.55	3.41	4.28	3.46	3.56
25	3.32	3.50	3.68	6.05	15.74	4.08	5.38	3.54	3.45	5.61	3.70	3.52
26	3.35	3.88	3.64	5.06	6.12	3.88	4.72	3.51	3.41	6.18	3.60	3.47
27	3.40	6.74	3.62	7.45	4.86	3.84	4.46	3.49	3.40	6.35	3.45	3.45
28	3.41	6.28	3.59	5.65	4.53	3.74	4.25	3.48	3.39	4.83	3.41	3.42
29	3.41	4.49	3.58	4.65	---	3.70	4.06	3.51	3.37	4.22	3.43	3.41
30	3.41	4.08	3.58	6.61	---	3.71	3.92	6.43	3.38	3.93	3.45	3.42
31	3.41	---	3.58	12.65	---	3.67	---	9.68	---	3.76	3.44	---
MEAN	---	3.75	4.39	5.49	7.54	4.73	6.59	4.34	3.64	4.94	3.52	3.98
MAX	3.81	6.74	9.07	12.65	20.14	13.49	22.62	9.68	5.42	8.87	4.10	10.37
MIN	---	3.41	3.58	3.56	3.90	3.67	3.63	3.06	3.37	3.37	3.41	3.38

07377842 WHITE BAYOU NEAR BAKER, LA

LOCATION.--Lat 30°34'45", long 91°07'18", in NW¼SW¼ lot 28, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Pettit Road, 0.1 mi (0.2 km) upstream from pipeline crossing, 0.6 mi (1.0 km) downstream from State Highway 67, and 2.8 mi (4.5 km) east of Baker.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Altitude of gage is 60 ft or 18 m (approximately), from topographic map.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--7 years, 12.6 ft³/s (0.357 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 661 ft³/s (18.7 m³/s) Apr. 23, 1977, gage height 17.25 ft (5.258 m), backwater from Comite River; maximum gage height unaffected by backwater, 15.29 ft (4.660 m) Mar. 24, 1973; no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 572 ft³/s (16.2 m³/s) Apr. 22, gage height, 14.71 ft (4.484 m); minimum, 0.14 ft³/s (0.004 m³/s) Oct. 17, 20, 21, 22, Sept. 17-19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.28	.56	1.0	2.0	.60	.62	.73	11	.17	.24	29
2	.28	.28	.73	1.9	.76	19	.90	.67	20	.17	.34	25
3	.28	.26	.85	1.1	11	184	34	.64	5.6	.17	.42	1.7
4	.28	.26	2.0	.79	18	45	36	.88	1.7	.17	.48	.70
5	.26	.26	1.6	.56	84	11	9.6	.88	.50	.17	.46	.54
6	.26	.30	1.2	.80	187	4.2	2.0	.64	.32	.17	.46	.48
7	.24	.46	1.2	8.5	82	2.2	.97	.54	.20	.17	.38	.38
8	.24	.46	1.4	1.1	14	1.6	.67	.58	.19	.48	.32	.32
9	.28	.34	2.9	.73	2.1	1.4	.76	.60	.19	1.0	.26	.26
10	.26	.26	1.5	.50	1.3	5.1	.67	.54	.19	.76	.20	.20
11	.26	.20	1.3	.64	1.1	15	.67	.60	.19	43	.26	.20
12	.20	.18	1.1	.64	.94	6.0	1.1	1.2	.19	31	.30	.20
13	.24	.18	1.2	.64	1.2	2.2	4.2	.60	.19	6.0	.26	.20
14	.22	.20	1.4	.67	.85	1.5	.79	.50	.19	6.6	.22	.18
15	.22	.20	1.2	.64	.97	2.2	.76	.40	.18	2.1	.18	.18
16	.16	.18	1.3	.60	.85	1.5	.73	.34	.18	.62	.20	.16
17	.14	.24	1.3	.58	.73	1.3	.73	.34	.18	1.1	.22	.14
18	.16	.34	1.1	.58	16	.76	.67	.34	.18	1.0	.18	.14
19	.16	.34	1.0	.56	3.6	.70	.67	.30	.18	1.3	.18	.14
20	.14	.32	1.0	122	1.1	.54	.64	.36	.18	1.5	.28	18
21	.14	.40	1.2	39	1.1	.76	213	.40	.18	1.3	.16	20
22	.14	.48	.97	.54	.83	8.9	494	.52	.17	1.2	3.5	1.3
23	.20	.42	.85	74	176	20	389	.58	.17	1.2	7.2	.42
24	.18	.52	.82	68	361	5.2	440	.64	.17	2.1	1.7	.40
25	.32	.62	.76	3.7	192	1.5	293	.58	.17	6.0	21	.32
26	.32	14	.62	1.2	35	1.0	29	.56	.17	6.7	35	.26
27	.28	61	.60	10	2.0	.82	1.0	.58	.17	4.7	15	.22
28	.30	6.4	.60	.94	1.0	.76	.91	.58	.17	1.0	1.0	.18
29	.36	.71	.50	.44	---	.64	.88	.62	.17	.56	.60	.18
30	.30	.56	.56	27	---	.60	.79	61	.17	.48	.58	.33
31	.30	---	.60	52	---	.56	---	78	---	.30	.56	---
TOTAL	7.46	90.65	33.92	421.35	1198.43	346.54	1958.73	155.74	43.44	123.19	92.14	101.73
MEAN	.24	3.02	1.09	13.6	42.8	11.2	65.3	5.02	1.45	3.97	2.97	3.39
MAX	.36	61	2.9	122	361	184	494	78	20	43	35	29
MIN	.14	.18	.50	.44	.73	.54	.62	.30	.17	.17	.16	.14
CAL YR 1978	TOTAL	2598.99	MEAN	7.12	MAX	303	MIN	.14				
WTR YR 1979	TOTAL	4573.32	MEAN	12.5	MAX	494	MIN	.14				

MISSISSIPPI RIVER DELTA

07377842 WHITE BAYOU NEAR BAKER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.30	3.39	3.99	5.13	5.03	4.50	3.45	4.59	4.64	4.49	3.87	4.79
2	3.27	3.39	4.11	5.23	4.72	5.11	3.54	4.65	5.04	4.46	3.98	5.21
3	3.28	3.38	4.20	5.18	5.09	9.49	5.56	4.69	4.28	4.46	4.08	4.06
4	3.28	3.38	4.52	5.15	5.54	5.88	5.66	4.81	3.89	4.45	4.17	3.98
5	3.28	3.38	4.50	5.12	7.03	4.57	4.48	4.85	3.67	4.44	4.23	4.01
6	3.28	3.41	4.46	5.15	9.55	4.14	3.82	4.81	3.64	4.44	4.28	4.07
7	3.28	3.49	4.49	5.48	6.93	3.87	3.57	4.80	3.83	4.43	4.31	4.17
8	3.28	3.49	4.58	5.18	5.26	3.75	3.47	4.86	4.06	4.50	4.34	4.16
9	3.30	3.43	4.85	5.14	4.58	3.72	3.50	4.87	4.16	4.65	4.37	4.15
10	3.30	3.39	4.66	5.11	4.42	4.04	3.47	4.84	4.21	4.53	4.40	4.16
11	3.30	3.37	4.65	5.13	4.36	4.84	3.47	4.87	4.26	5.82	4.44	4.17
12	3.28	3.36	4.65	5.14	4.31	4.28	3.72	5.07	4.30	5.41	4.47	4.17
13	3.30	3.37	4.71	5.15	4.62	3.88	4.34	4.87	4.35	4.36	4.47	4.17
14	3.30	3.38	4.78	5.17	4.76	3.73	3.94	4.82	4.36	4.41	4.46	4.16
15	3.30	3.39	4.79	5.26	4.88	3.89	4.25	4.77	4.35	3.97	4.45	4.16
16	3.28	3.38	4.85	5.24	4.92	3.74	4.36	4.74	4.38	3.57	4.47	4.15
17	3.27	3.44	4.88	5.23	4.96	3.69	4.36	4.74	4.41	3.70	4.49	4.14
18	3.29	3.53	4.87	5.23	5.46	3.50	4.39	4.74	4.43	3.67	4.48	4.14
19	3.29	3.55	4.88	5.22	4.97	3.48	4.41	4.72	4.46	3.73	4.48	4.14
20	3.29	3.55	4.92	8.01	4.66	3.41	4.44	4.75	4.42	3.77	4.54	4.92
21	3.29	3.61	5.01	6.07	4.66	3.50	9.47	4.77	4.42	3.67	4.40	5.20
22	3.30	3.67	4.97	5.05	4.57	4.11	13.97	4.83	4.46	3.62	4.58	4.08
23	3.33	3.67	4.96	6.76	9.08	5.00	12.91	4.86	4.50	3.60	4.36	3.76
24	3.33	3.75	4.97	6.68	12.56	4.20	13.47	4.89	4.51	3.74	3.87	3.72
25	3.40	3.82	4.97	5.19	9.67	3.73	11.41	4.86	4.51	4.13	4.72	3.66
26	3.40	3.93	4.95	5.02	5.69	3.60	5.37	4.85	4.50	4.17	5.56	3.70
27	3.38	6.27	4.96	5.37	4.42	3.52	4.14	4.86	4.49	4.03	4.72	3.76
28	3.39	4.43	4.98	4.94	4.18	3.50	4.35	4.86	4.51	3.71	3.68	3.80
29	3.42	3.78	4.96	4.74	---	3.46	4.50	4.88	4.51	3.54	3.72	3.83
30	3.39	3.93	5.03	5.48	---	3.44	4.56	6.45	4.51	3.69	3.74	3.93
31	3.39	---	5.07	6.28	---	3.42	---	6.75	---	3.74	3.74	---
MEAN	3.32	3.64	4.75	5.43	5.75	4.16	5.55	4.93	4.34	4.16	4.32	4.15
MAX	3.42	6.27	5.07	8.01	12.56	9.49	13.97	6.75	5.04	5.82	5.56	5.21
MIN	3.27	3.36	3.99	4.74	4.18	3.41	3.45	4.59	3.64	3.54	3.68	3.66

MISSISSIPPI RIVER DELTA

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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 yea.

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 25.85 ft (7.879 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records fair. Since 1957, considerable flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--35 years, 460 ft³/s (13.03 m³/s), 22.00 in/yr (559 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)
Feb. 6	2130	8490 240	16.52 5.035	Apr. 4	1145	5330 151	13.58 4.139
Feb. 25	0715	17600 498	21.89 6.672	Apr. 23	1130	*23900 677	*25.99 7.922

Minimum discharge, 56 ft³/s (1.59 m³/s) Oct. 29, 31, Nov. 4, 5, 15, 16, 24, 25, 26; minimum gage height, 1.71 ft (0.521 m) Sept. 18, 19, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	58	100	101	1230	502	120	300	1000	71	100	229
2	87	58	91	125	485	589	136	260	500	71	91	249
3	84	58	82	125	471	4100	1930	220	290	69	88	400
4	82	58	254	111	2270	3200	4860	240	200	67	86	865
5	81	58	647	98	2230	2420	2410	957	140	66	83	365
6	79	62	282	96	6880	821	1290	488	120	65	81	160
7	79	70	158	205	6900	450	402	300	105	105	83	213
8	78	63	159	258	3020	370	259	210	98	103	93	153
9	77	62	386	236	1100	300	200	189	94	82	87	110
10	76	61	1380	149	496	430	171	171	92	71	81	96
11	75	60	492	120	335	648	162	193	91	535	79	90
12	74	59	224	107	263	320	173	332	91	650	74	86
13	72	58	163	100	227	260	160	297	91	531	72	83
14	71	58	135	96	204	220	163	186	89	943	71	80
15	70	58	123	96	185	190	142	148	87	525	70	77
16	68	57	124	91	172	180	123	136	86	192	71	76
17	69	62	122	88	159	165	114	129	85	169	71	76
18	70	59	112	89	398	155	108	124	85	141	79	75
19	68	58	107	88	773	150	103	119	83	134	81	77
20	66	59	100	2000	461	145	101	115	81	409	103	196
21	65	58	105	3250	330	143	4270	112	80	441	97	468
22	64	58	109	2490	272	240	17300	112	79	355	129	430
23	63	58	123	1630	4240	546	22800	114	87	162	135	165
24	61	57	103	2740	15200	366	14800	113	82	202	100	109
25	60	56	97	1500	17400	214	4430	113	83	853	241	92
26	60	101	96	600	6000	159	1760	104	78	717	563	85
27	59	731	93	1090	1910	141	761	100	74	595	768	81
28	58	578	90	1140	831	134	527	98	73	450	175	78
29	58	221	89	463	---	128	450	101	72	215	110	77
30	57	123	88	573	---	124	360	942	71	143	94	77
31	57	---	89	2630	---	121	---	1600	---	118	92	---
TOTAL	2180	3237	6323	22485	74442	17931	80585	8623	4287	9250	4148	5418
MEAN	70.3	108	204	725	2659	578	2686	278	143	298	134	181
MAX	92	731	1380	3250	17400	4100	22800	1600	1000	943	768	865
MIN	57	56	82	88	159	121	101	98	71	65	70	75
CFSM	.25	.38	.72	2.55	9.36	2.04	9.46	.98	.50	1.05	.47	.64
IN.	.29	.42	.83	2.95	9.75	2.35	10.56	1.13	.56	1.21	.54	.71
CAL YR 1978 TOTAL	128395			352	7180	56						
WTR YR 1979 TOTAL	238909			655	22800	56						
							CFSM 1.24			IN 16.82		
							CFSM 2.31			IN 31.29		

MISSISSIPPI RIVER DELTA

07378000 COMITE RIVER NEAR COMITE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.05	1.75	2.11	2.04	5.92	3.80	2.21	---	---	1.87	2.02	2.50
2	2.01	1.75	2.04	2.22	3.74	3.99	2.30	---	---	1.87	1.95	2.81
3	1.98	1.76	1.96	2.22	3.66	12.09	7.25	---	---	1.85	1.91	3.42
4	1.96	1.75	2.78	2.12	8.64	10.75	13.04	---	---	1.84	1.89	4.93
5	1.95	1.75	4.26	2.03	8.53	8.98	8.97	5.18	---	1.82	1.87	3.23
6	1.94	1.79	2.94	2.01	14.98	4.78	6.05	3.78	---	1.82	1.86	2.34
7	1.93	1.86	2.38	2.66	15.07	---	3.47	---	---	2.08	1.88	2.61
8	1.93	1.80	2.38	2.89	10.19	---	2.93	---	---	2.12	1.96	2.29
9	1.92	1.79	3.25	2.80	5.56	---	2.68	2.66	---	1.96	1.91	2.00
10	1.91	1.79	6.34	2.37	3.78	---	2.53	2.57	---	1.86	1.85	1.90
11	1.91	1.77	3.73	2.18	3.21	4.27	2.48	2.66	---	3.63	1.83	1.84
12	---	1.76	2.75	2.09	2.94	---	2.53	3.23	2.04	4.27	1.79	1.80
13	---	1.76	2.45	2.05	2.79	---	2.46	3.11	2.04	3.91	1.78	1.78
14	---	1.76	2.29	2.01	2.69	---	2.48	2.64	2.02	5.15	1.76	1.76
15	---	1.76	2.20	2.01	2.60	---	2.35	2.44	2.00	3.86	1.76	1.73
16	---	1.75	2.21	1.97	2.53	---	2.23	2.36	2.00	2.59	1.77	1.72
17	---	1.79	2.20	1.96	2.45	---	2.17	2.32	1.99	2.48	1.76	1.72
18	---	1.76	2.13	1.96	3.41	---	2.12	2.28	1.99	2.31	1.84	1.72
19	---	1.76	2.09	1.97	4.66	---	2.09	2.25	1.97	2.25	1.85	1.73
20	---	1.77	2.05	7.45	3.66	---	2.07	2.22	1.96	3.46	1.99	2.37
21	---	1.76	2.08	10.82	3.19	2.36	9.80	2.20	1.94	3.46	1.97	3.65
22	---	1.76	2.11	9.12	2.97	2.74	21.68	2.20	1.94	3.26	2.19	3.50
23	---	1.76	2.20	6.92	11.64	3.95	24.67	2.22	2.00	2.43	2.26	2.36
24	1.79	1.75	2.06	9.76	20.71	3.33	22.57	2.21	1.96	2.59	2.02	1.99
25	1.78	1.74	2.02	6.65	21.80	2.72	13.52	2.21	1.97	4.85	2.67	1.86
26	1.77	2.02	2.01	4.12	---	2.45	7.32	2.14	1.93	4.48	3.97	1.80
27	1.76	4.53	1.99	5.54	7.72	2.35	4.62	2.11	1.90	4.10	4.59	1.76
28	1.76	4.06	1.96	5.69	4.82	2.30	3.91	2.10	1.89	3.62	2.50	1.74
29	1.75	2.79	1.95	3.66	---	2.26	---	2.12	1.88	2.71	2.10	1.73
30	1.75	2.27	1.95	3.95	---	2.23	---	4.87	1.87	2.32	1.97	1.73
31	1.75	---	1.95	9.51	---	2.22	---	---	---	2.15	1.95	---
MEAN	---	2.00	2.48	4.02	---	---	---	---	---	2.87	2.11	2.28
MAX	---	4.53	6.34	10.82	20.71	12.09	24.67	---	---	5.15	4.59	4.93
MIN	---	1.74	1.95	1.96	---	---	---	2.10	---	1.82	1.76	1.72

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 National Geodetic Vertical Datum of 1929. Sept. 1, 1938, to Aug. 8, 1939, non-recording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft (1.180 m) higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station.

REMARKS.--Records good. Since 1957, considerable flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--41 years, 1,958 ft³/s (55.45 m³/s), 20.77 in/yr (528 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110,000 ft³/s (3,120 m³/s) Apr. 23, 1977, gage height, 41.08 ft (12.521 m), present datum; minimum daily discharge, 271 ft³/s (767 m³/s) Oct. 17, 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak 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. 24	0330	18200 515	26.54 8.089	Mar. 5	0645	16800 476	26.21 7.989
Feb. 8	0015	24200 685	28.05 8.550	Apr. 6	0130	15500 439	25.86 7.882
Feb. 25	1945	44000 1250	32.21 9.818	Apr. 24	1115	*68600 1940	*36.70 11.186

Minimum discharge, 635 ft³/s (17.98 m³/s) July 6; minimum gage height, 10.60 ft (3.231 m) Nov. 4, 5, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	842	664	907	874	6950	5400	1020	2020	3490	666	1020	982
2	817	664	858	1080	5070	3990	1060	1800	2860	666	1010	1310
3	792	663	822	1030	4940	9690	3280	1620	1890	656	905	1250
4	786	662	945	1060	5420	14800	9830	1750	1500	652	892	2250
5	779	662	1450	1010	7640	16300	14800	2250	1260	646	851	2230
6	784	669	1330	931	14400	13800	14000	2960	1120	636	851	1220
7	792	723	1070	1230	22600	8980	8020	3320	1110	651	816	1170
8	781	693	1020	1290	22600	4180	3860	2720	987	743	827	1230
9	773	688	1280	1410	16600	2700	2300	1870	918	783	803	992
10	773	682	2710	1200	9610	2350	1890	1540	892	732	831	854
11	772	677	2620	1070	4430	2900	1690	1390	870	1350	776	786
12	774	677	1850	985	2710	2450	1610	1680	827	2010	761	755
13	749	673	1300	937	2210	2060	1560	2740	801	1680	754	737
14	718	672	1090	901	1980	1820	1530	2360	778	2050	745	723
15	704	672	1000	882	1800	1630	1520	1590	763	1760	745	709
16	704	693	963	859	1680	1520	1390	1300	764	1250	740	701
17	693	735	974	838	1570	1440	1300	1170	796	1110	730	699
18	685	721	912	827	1970	1390	1230	1090	759	1050	720	696
19	688	705	887	821	2570	1350	1180	1040	740	1120	740	706
20	683	699	863	2840	3040	1390	1150	1000	729	1560	750	919
21	684	686	863	8030	2920	1260	5540	968	719	1590	809	1670
22	687	678	864	13700	2170	1410	27500	951	712	1720	774	1930
23	690	676	894	15600	7180	2380	55900	1010	705	1470	883	1530
24	682	676	873	16700	23700	1860	66600	941	716	1670	950	1070
25	678	671	841	13900	41600	1590	49300	950	703	3900	1700	879
26	676	720	832	9440	36000	1360	25500	913	691	5400	2190	795
27	675	2110	820	5900	25600	1220	10300	858	680	3400	2140	754
28	671	1930	801	6110	13400	1140	4450	830	679	2270	1290	735
29	668	1440	790	6120	---	1100	2820	824	670	1650	968	723
30	670	1070	792	4840	---	1070	2420	1540	664	1320	892	717
31	666	---	795	6020	---	1040	---	4430	---	1140	887	---
TOTAL	22536	24351	34016	128435	292360	115570	324550	51425	30793	47301	29750	31722
MEAN	727	812	1097	4143	10440	3728	10820	1659	1026	1526	960	1057
MAX	842	2110	2710	16700	41600	16300	66600	4430	3490	5400	2190	2250
MIN	666	662	790	821	1570	1040	1020	824	664	636	720	696
CFSM	.57	.63	.86	3.24	8.16	2.91	8.45	1.30	.80	1.19	.75	.83
IN.	.65	.71	.99	3.73	8.50	3.36	9.43	1.49	.89	1.37	.86	.92

CAL YR 1978 TOTAL 775449 MEAN 2125 MAX 38600 MIN 531 CFSM 1.66 IN 22.54
WTR YR 1979 TOTAL 1132809 MEAN 3104 MAX 66600 MIN 636 CFSM 2.43 IN 32.92

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.19	10.61	11.51	11.40	22.35	21.23	12.22	14.50	17.33	11.48	12.22	12.07
2	11.13	10.62	11.34	12.07	20.00	18.17	12.33	14.06	16.17	11.48	12.19	12.93
3	11.06	10.61	11.22	11.91	19.80	23.58	16.92	13.75	14.26	11.45	11.89	12.82
4	11.05	10.61	11.63	12.02	20.54	25.66	23.72	13.99	13.54	11.43	11.85	14.96
5	11.02	10.61	13.15	11.86	22.85	26.11	25.67	14.97	13.06	11.40	11.74	14.93
6	11.03	10.64	12.80	11.59	25.45	25.35	25.40	16.37	12.78	11.36	11.74	12.77
7	11.04	10.85	12.05	12.52	27.69	23.44	22.90	17.04	12.74	11.42	11.63	12.65
8	11.01	10.73	11.86	12.71	27.73	18.87	18.10	15.89	12.46	11.77	11.66	12.80
9	10.99	10.71	12.67	13.03	26.25	15.88	15.08	14.20	12.29	11.95	11.58	12.18
10	10.98	10.69	15.82	12.46	23.65	15.17	14.21	13.62	12.23	11.75	11.67	11.80
11	10.98	10.67	15.68	12.05	18.90	16.26	13.76	13.32	12.18	13.07	11.49	11.60
12	10.98	10.67	14.12	11.77	15.87	15.38	13.56	13.87	12.07	14.43	11.43	11.50
13	10.91	10.65	12.73	11.61	14.90	14.60	13.42	15.95	12.01	13.72	11.40	11.43
14	10.82	10.65	12.11	11.49	14.42	14.07	13.35	15.19	11.93	14.56	11.36	11.37
15	10.79	10.65	11.82	11.42	14.02	13.70	13.32	13.70	11.87	13.90	11.36	11.32
16	10.78	10.73	11.70	11.35	13.73	13.45	13.00	13.15	11.87	12.60	---	11.28
17	10.75	10.90	11.73	11.28	13.45	13.27	12.75	12.88	11.99	12.18	---	11.27
18	10.73	10.84	11.52	11.24	14.36	13.16	12.53	12.71	11.86	12.00	---	11.26
19	10.73	10.78	11.44	11.22	15.59	13.06	12.39	12.58	11.78	12.19	---	11.30
20	10.72	10.76	11.36	15.66	16.46	13.15	12.29	12.49	11.74	13.42	---	11.90
21	10.71	10.70	11.36	22.88	16.25	12.85	18.31	12.41	11.70	13.45	11.60	13.77
22	10.72	10.67	11.36	25.26	14.82	13.18	28.85	12.37	11.67	13.82	11.47	14.31
23	10.72	10.66	11.46	25.88	21.80	15.24	34.59	12.52	11.64	13.24	11.83	13.48
24	10.69	10.67	11.39	26.24	27.81	14.16	36.36	12.35	11.68	13.59	12.01	12.39
25	10.67	10.65	11.29	25.34	31.51	13.60	33.41	12.37	11.63	17.97	13.76	11.87
26	10.66	10.82	11.26	23.69	31.29	13.09	28.43	12.28	11.59	20.53	14.83	11.63
27	10.66	14.66	11.22	21.25	29.09	12.74	23.88	12.15	11.53	17.14	14.76	11.49
28	10.64	14.29	11.15	21.57	25.65	12.55	18.96	12.08	11.54	15.02	12.90	11.42
29	10.63	13.11	11.12	21.16	---	12.46	16.10	12.06	11.50	13.74	12.07	11.37
30	10.64	12.03	11.12	19.63	---	12.36	15.21	13.54	11.48	12.98	11.86	11.35
31	10.63	---	11.13	21.30	---	12.28	---	18.97	---	12.54	11.84	---
MEAN	10.84	11.07	12.00	15.96	20.94	16.07	19.03	13.78	12.40	13.28	---	12.24
MAX	11.19	14.66	15.82	26.24	31.51	26.11	36.36	18.97	17.33	20.53	---	14.96
MIN	10.63	10.61	11.12	11.22	13.45	12.28	12.22	12.06	11.48	11.36	---	11.26

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°26'30", long 90°58'20", in lot 41, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070202, on left bank, 3.0 mi (4.8 km) downstream from gaging station Amite River near Denham Springs (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.

WATER-ELEVATION RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Dec. 23, 1952, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.12 ft (0.951 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 38.21 ft (11.646 m), present datum, Apr. 23, 1977; minimum, 6.02 ft (1.835 m), present datum, Nov. 4, 5, 6, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum elevations, 34.11 ft (10.397 m) Apr. 24 from flood mark; 6.02 ft (1.835 m), Nov. 4, 5, 6.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.75	6.06	7.16	6.91	18.80	14.10	8.07	---	13.73	6.92	7.70	7.42
2	6.67	6.04	6.91	7.86	16.09	14.42	8.15	---	12.50	6.92	7.66	8.69
3	6.58	6.04	6.77	7.57	12.68	19.12	13.05	---	10.42	6.88	7.36	8.28
4	6.54	6.04	7.14	7.69	15.29	22.37	19.17	---	9.40	6.86	7.28	10.43
5	6.51	6.03	8.83	7.60	18.85	23.24	22.27	---	8.84	6.83	7.14	10.93
6	6.51	6.05	8.72	7.24	21.90	22.68	22.52	---	8.46	6.79	7.16	8.45
7	6.51	6.27	7.84	8.41	24.90	20.86	20.35	---	8.43	6.80	7.03	8.08
8	6.51	6.19	7.47	8.61	25.28	16.62	15.71	---	8.11	7.21	7.06	8.41
9	6.43	6.16	8.33	8.95	23.85	12.57	11.53	---	7.90	7.34	6.97	7.69
10	6.39	6.14	11.43	8.35	---	11.42	---	---	7.81	7.20	7.10	7.23
11	6.37	6.12	11.95	7.84	---	12.50	---	---	7.75	8.35	6.89	7.01
12	6.35	6.11	10.31	7.47	---	11.73	---	---	7.65	10.35	6.83	6.90
13	6.35	6.10	8.73	7.28	---	10.85	---	---	7.57	9.32	6.80	6.83
14	6.29	6.09	7.89	7.11	---	10.27	---	---	7.49	10.20	6.76	6.76
15	6.24	6.09	7.49	7.00	10.07	9.83	---	---	7.42	9.68	6.78	6.70
16	6.24	6.16	7.30	6.92	9.73	9.54	---	---	7.39	8.21	6.84	6.67
17	6.20	6.34	7.36	6.83	9.39	9.34	---	---	7.54	7.64	7.01	6.65
18	6.16	6.34	7.12	6.82	10.27	9.21	---	---	7.40	7.45	6.93	6.65
19	6.13	6.26	7.00	6.81	11.62	9.09	---	---	7.32	7.70	7.05	6.67
20	6.13	6.23	6.90	10.68	12.65	9.14	---	---	7.26	8.91	6.91	7.18
21	6.13	6.17	6.88	18.17	12.80	8.83	---	---	7.22	9.05	7.18	9.45
22	6.13	6.13	6.90	21.47	11.17	9.01	---	---	7.18	9.60	6.82	9.94
23	6.14	6.12	6.98	22.80	17.15	11.45	---	---	7.15	8.91	7.24	9.25
24	6.13	6.11	6.98	23.56	24.43	10.30	---	---	7.19	9.15	7.37	7.98
25	6.11	6.10	6.85	22.71	28.95	9.61	---	8.05	7.12	13.88	9.30	7.35
26	6.10	6.21	6.80	21.03	29.20	9.13	---	7.97	7.09	16.97	10.94	7.06
27	6.10	10.49	6.77	18.47	27.06	8.73	---	7.82	7.03	13.86	10.49	6.90
28	6.09	10.52	6.70	17.89	23.61	8.49	---	7.73	7.02	11.12	8.66	6.83
29	6.07	9.11	6.66	17.73	---	8.36	---	7.69	6.99	9.54	7.57	6.77
30	6.07	7.94	6.65	16.08	---	8.24	---	9.04	6.95	8.60	7.29	6.74
31	6.07	---	6.66	17.11	---	8.15	---	14.93	---	8.08	7.25	---
MEAN	6.29	6.59	7.66	11.97	---	12.39	---	---	8.04	8.91	7.46	7.73
MAX	6.75	10.52	11.95	23.56	---	23.24	---	---	13.73	16.97	10.94	10.93
MIN	6.07	6.03	6.65	6.81	---	8.15	---	---	6.95	6.79	6.76	6.65

MISSISSIPPI RIVER DELTA

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1973 to current year.

WATER TEMPERATURES: March 1973 to current year.

INSTRUMENTATION.--Water-quality monitor since March 1973.

REMARKS.--Lower limit of specific conductance sensor is 28 micromhos. Probes are 3.0 ft (0.9 m) above bottom of river. Flow data are available for Amite River near Denham Springs (station 07378500), 3.0 mi (4.8 km) upstream.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 156 micromhos Mar. 10, 1974; minimum, 28 micromhos or lower several days during spring of each year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 25...	1020	678	57	7.0	20.0	30	25	24	8.6	1.0
NOV 20...	1600	698	49	6.9	20.0	25	10	4.7	9.2	1.5
DEC 06...	0945	1360	53	7.1	12.5	60	40	2.1	9.6	4.2
JAN 29...	1230	5860	34	5.7	10.0	100	92	96	10.4	2.4
FEB 26...	1000	37000	24	5.8	12.5	80	170	190	8.3	2.6
MAR 19...	0935	1420	57	6.6	18.0	50	50	54	8.5	2.1
APR 12...	1115	1560	54	6.3	22.0	20	20	1.0	8.0	1.7
MAY 18...	0900	1100	53	6.2	24.0	40	20	--	7.7	1.6
JUN 14...	1305	778	56	6.5	27.5	40	30	31	8.4	1.7
JUL 06...	0945	635	57	6.4	31.5	10	15	15	7.1	.8
AUG 03...	0900	839	59	6.1	29.5	50	25	22	6.8	.9
SEP 10...	0900	863	52	6.1	26.5	30	25	25	6.9	.2

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCEI, FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CaCO3)	HARD-NESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM AD-SORPTION RATIO	SODIUM+POTAS-SIUM, DIS-SOLVED (MG/L AS Na)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)
OCT 25...	820	720	12	0	2.7	1.3	6.3	50	.8	--	1.3	18
NOV 20...	K30	200	9	0	2.1	.9	5.0	50	.7	--	1.4	13
DEC 06...	--	K2800	9	0	2.3	.9	5.0	47	.7	--	2.4	14
JAN 29...	--	--	6	1	1.9	.3	5.9	61	1.0	--	1.8	6
FEB 26...	11000	7000	4	1	.8	.5	1.7	36	.4	--	2.0	4
MAR 19...	760	76	17	3	5.0	1.1	5.4	39	.6	--	1.1	17
APR 12...	--	--	13	0	3.1	1.3	4.9	42	.6	--	1.4	17
MAY 18...	K380	220	14	1	3.5	1.2	5.8	44	.7	7.7	--	16
JUN 14...	480	240	14	1	2.6	1.8	9.4	56	1.1	11	1.8	16
JUL 06...	130	170	12	0	2.6	1.3	6.4	51	.8	7.8	1.4	16
AUG 03...	920	1300	13	0	3.1	1.3	5.4	43	.7	7.3	1.9	19
SEP 10...	140	1100	12	0	3.0	1.0	5.2	44	.7	7.5	2.3	14

DATE	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
OCT 25...	0	15	2.9	1.6	8.0	.1	13	49	44	.07	.13	--
NOV 20...	0	11	2.6	2.8	6.8	.0	12	41	37	.06	.03	--
DEC 06...	0	11	1.8	3.5	6.3	.0	11	47	38	.06	.24	--
JAN 29...	0	5	19	3.8	8.8	.1	7.2	43	33	.06	.26	--
FEB 26...	0	3	10	6.0	.2	.1	3.9	--	17	.02	.12	--
MAR 19...	0	14	6.8	10	6.1	.0	11	42	48	.06	.18	--
APR 12...	0	14	14	3.3	5.4	.1	13	38	41	.05	.25	--
MAY 18...	0	13	16	--	--	--	--	46	41	.06	--	--
JUN 14...	0	13	8.1	3.8	11	.1	10	54	48	.07	.14	--
JUL 06...	0	13	10	2.2	7.8	.1	11	48	41	.07	.04	--
AUG 03...	0	16	24	2.3	5.3	.1	12	51	41	.07	.14	--
SEP 10...	0	11	18	4.0	6.2	.1	11	52	41	.07	.25	.25

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

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT 25...	.05	--	.15	.20	.00	--	.33	--
NOV 20...	.03	--	.53	.56	.32	.24	.59	--
DEC 06...	.07	--	.41	.48	.13	.35	.72	--
JAN 29...	.18	--	.56	.74	.30	.44	1.0	--
FEB 26...	.09	--	--	--	--	1.4	--	--
MAR 19...	.06	--	.30	.36	.00	.36	.54	--
APR 12...	.08	.10	.86	.94	.42	.52	1.2	--
MAY 18...	--	.05	--	--	--	.54	--	--
JUN 14...	.06	.07	.40	.40	.26	.20	.60	--
JUL 06...	.09	.11	.18	.27	.00	--	.31	--
AUG 03...	.03	.04	.38	.41	.02	.39	.55	--
SEP 10...	.07	.08	1.6	1.7	.82	.88	1.9	1.1

DATE	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 25...	1.5	.06	--	--	.06	1.8	--	--
NOV 20...	2.6	.05	--	--	.04	1.4	--	--
DEC 06...	3.2	.16	--	--	.05	5.6	--	--
JAN 29...	4.4	.08	--	--	.06	--	7.2	2.5
FEB 26...	--	.23	--	--	.05	14	--	--
MAR 19...	2.4	.05	--	--	.02	3.3	--	--
APR 12...	5.3	.05	.15	.15	.02	--	4.3	1.1
MAY 18...	--	--	.21	.21	--	4.3	--	--
JUN 14...	2.7	1.0	3.1	3.1	.00	3.5	--	--
JUL 06...	1.4	.05	.15	.15	.02	--	--	--
AUG 03...	2.4	.09	--	.28	.05	4.0	--	--
SEP 10...	8.6	.06	--	.18	.02	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 25...	1	1	0	0	0	0	10	0	10
JAN 29...	0	0	0	0	0	0	20	10	10
APR 12...	0	0	0	0	0	0	20	10	6
JUL 06...	0	0	0	0	0	0	20	10	10

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 25...	--	43	67
NOV 20...	1600	25	80
DEC 06...	--	63	94
JAN 29...	--	224	93
FEB 26...	--	720	46
MAR 19...	1100	53	79
APR 12...	--	56	93
MAY 18...	--	47	95
JUN 14...	7000	59	70
JUL 06...	--	48	88
AUG 03...	--	68	74
SEP 10...	--	84	86

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---			---	---	16.0	13.0			---	---
2	---	---			---	---	---	---			---	---
3	26.5	25.0			---	---	---	---			---	---
4	26.0	21.5			---	---	---	---			---	---
5	23.5	21.0			---	---	---	---			---	---
6	25.0	23.0			---	---	---	---			---	---
7	25.0	19.0			---	---	---	---			---	---
8	21.5	20.0			---	---	---	---			---	---
9	22.0	21.0			---	---	---	---			---	---
10	22.5	21.0			---	---	---	---			---	---
11	23.0	21.0			---	---	---	---			---	---
12	22.5	19.5			---	---	---	---			---	---
13	22.5	20.5			---	---	---	---			---	---
14	21.0	17.5			---	---	---	---			---	---
15	21.5	20.0			---	---	---	---			---	---
16	---	---			---	---	---	---			16.5	15.5
17	---	---			---	---	---	---			17.0	15.0
18	---	---			---	---	---	---			18.0	16.5
19	---	---			---	---	---	---			20.0	17.0
20	---	---			---	---	---	---			21.0	19.0
21	---	---			---	---	---	---			21.0	19.0
22	---	---			---	---	---	---			20.5	19.5
23	---	---			---	---	---	---			20.5	19.0
24	---	---			---	---	---	---			19.0	17.5
25	---	---			---	---	---	---			17.5	16.5
26	---	---			---	---	---	---			18.5	16.0
27	---	---			---	---	---	---			19.5	16.5
28	---	---			---	---	---	---			20.5	17.5
29	---	---			---	---	---	---			21.0	18.5
30	---	---			13.5	11.5	---	---			21.0	19.0
31	---	---			15.5	13.5	---	---			21.0	20.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.5	20.0										
2	22.5	21.0										
3	20.5	17.5										
4	18.0	17.5										
5	18.0	17.0										
6	18.5	17.0										
7	18.5	17.5										
8	20.0	18.0										
9	20.5	19.0										
10	20.5	19.5										
11	20.5	20.0										
12	21.5	20.5										
13	23.0	21.5										
14	24.0	22.0										
15	24.0	22.5										
16	24.5	22.0										
17	23.5	21.5										
18	24.5	21.5										
19	23.5	22.0										
20	22.5	21.5										
21	---	---										
22	---	---										
23	---	---										
24	---	---										
25	---	---										
26	---	---										
27	---	---										
28	---	---										
29	---	---										
30	---	---										
31	---	---										

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

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	NOV 20,78 1600	MAR 19,79 0935	MAY 18,79 0900	JUN 14,79 1305	JUL 6,79 0945
TOTAL CELLS/ML	1600	1100	5500	7000	4400
DIVERSITY: DIVISION	1.0	1.1	0.4	1.2	0.8
..CLASS	1.0	1.1	0.4	1.2	0.8
..ORDER	1.0	1.1	0.8	1.3	0.8
...FAMILY	1.3	2.2	2.3	1.7	2.1
....GENUS	1.4	3.1	2.9	3.0	2.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...CHARACIACEAE										
...SCHROEDERIA	--	-	--	-	* 0		--	-	--	-
...CHLOROCOCCACEAE										
...CHLOROCOCCUM	--	-	--	-	52 1		--	-	--	-
...COFLASTRACEAE										
...COFLASTRUM	--	-	120 11		1500# 27		--	-	680# 15	
...MICHACTINIACEAE										
...GOLENKINIA	--	-	--	-	* 0		--	-	--	-
...MICHACTINIUM	58 4		--	-	--	-	--	-	--	-
...OOCYSTACEAE										
...AKKISTRODESMUS	120 7		120 11		160 3		960 14		1600# 37	
...CHODATELLA	--	-	14 1		--	-	150 2		--	-
...DICTYOSPHAERIUM	--	-	220# 20		490 9		150 2		--	-
...KINCHNERIELLA	14 1		--	-	52 1		100 1		--	-
...OOCYSTIS	--	-	58 5		52 1		--	-	--	-
...SLENASTRUM	--	-	--	-	--	-	180 3		--	-
...TETRAEDRON	14 1		--	-	--	-	--	-	--	-
...WESTIELLA	--	-	--	-	160 3		--	-	--	-
...SCENEDESMACEAE										
...ACTINASTRUM	--	-	160 14		100 2		--	-	--	-
...CRUCIGENIA	--	-	--	-	100 2		200 3		300 7	
...SCENEDESMUS	87 6		170# 16		2000# 36		600 9		910# 21	
...TETRADESMUS	14 1		--	-	--	-	--	-	--	-
...TETRASTRUM	--	-	--	-	160 3		700 10		76 2	
...TETRASPORALES										
...PALMELLACEAE										
...SPHAEROCYSTIS	--	-	--	-	160 3		--	-	--	-
...VULVOCALES										
...CHLAMYDOMONADACEAE										
...CHLAMYDOMONAS	--	-	--	-	170 3		* 0		* 0	
...ZYGEMATALES										
...UESMIDIACEAE										
...COSMARUM	--	-	--	-	* 0		--	-	--	-
CHRYSOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
...CUCINODISCACEAE										
...CYCLOTELLA	--	-	--	-	91 2		130 2		38 1	
...MFLUSIRA	29 2		--	-	--	-	100 1		--	-
...PENNALES										
...FRAGILARIACEAE										
...SYNEURA	--	-	--	-	* 0		--	-	--	-
...NAVICULACEAE										
...NAVICULA	14 1		--	-	--	-	--	-	--	-
...NITZSCHACEAE										
...NITZSCHIA	--	-	--	-	* 0		100 1		* 0	
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOMONADACEAE										
...CRYPTOMONAS	--	-	72 7		--	-	--	-	38 1	
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROCOCCALES										
...CHROCOCCACEAE										
...ANABENELLUM	--	-	--	-	--	-	2000# 29		340 8	
...ANACYSTIS	1200# 77		120 11		160 3		1600# 23		360 8	

MISSISSIPPI RIVER DELTA

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

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	NOV 20,78 1600	MAR 19,79 0935	MAY 18,79 0900	JUN 14,79 1305	JUL 6,79 0945
EUGLENOPHYTA (EUGLENOIDS)					
..EUGLENOPHYCEAE					
...EUGLENALES					
....EUGLENACEAE					
.....EUGLENA	-- -	-- -	* 0	-- -	-- -
.....PHACUS	14 1	-- -	-- -	-- -	-- -
.....TRACHELOMONAS	-- -	58 5	-- -	-- -	-- -
PYRRHOPHYTA (FIRE ALGAE)					
..DINOPHYCEAE					
...PERIDINIALES					
....GLENODINIACEAE					
.....GLENODINIUM	-- -	-- -	* 0	-- -	-- -

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

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

07380108 BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT, LA

LOCATION.--Lat 30°20'43", long 90°53'35", in lot 18, T.8 S., R.3 E., Ascension Parish, Hydrologic Unit 08070202, on right bank 100 ft (30 m) upstream from mouth, 2.6 mi (4.2 km) northwest of Port Vincent.

DRAINAGE AREA.--153 mi² (396 km²).

PERIOD OF RECORD.--Annual maximum elevation, water years 1972-74, October 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1974 at datum 1.00 ft (0.305 m) higher.

REMARKS.--No elevations recorded below 1.09 ft (0.332 m). Elevations affected by tide below about 3.0 ft (0.91 m).

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

EXTREMES FOR CURRENT YEAR. Maximum elevation, 15.94 ft (4.859 m) Apr. 25.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.51	1.82	1.78	1.99	2.60	7.48	2.12	4.12	2.31	---	---	2.08
2	2.12	1.50	1.72	1.57	2.54	4.46	2.07	3.77	2.03	---	---	2.19
3	1.79	---	1.85	---	1.81	4.00	3.10	3.65	1.54	---	---	2.31
4	1.52	---	1.71	---	1.78	4.71	3.69	3.50	---	---	---	2.19
5	1.65	---	1.49	---	3.11	5.37	4.09	3.45	---	---	---	2.08
6	1.50	1.32	1.40	---	5.06	5.92	4.72	3.27	---	---	---	1.64
7	1.29	1.36	1.81	1.76	6.53	5.44	4.83	3.16	---	---	---	1.51
8	1.36	---	1.56	---	7.83	4.08	3.80	3.02	---	---	1.50	1.74
9	1.34	---	---	---	8.10	1.88	1.79	2.78	---	---	1.67	1.69
10	1.40	---	---	---	7.01	1.77	1.56	2.72	1.70	---	1.70	1.85
11	1.58	1.61	---	---	5.13	1.65	2.36	2.55	1.65	2.04	---	2.35
12	1.95	---	---	1.55	2.56	---	2.72	2.56	1.72	2.37	---	2.59
13	1.97	1.35	---	1.80	1.38	---	2.57	2.81	1.92	2.01	---	2.39
14	1.72	1.50	---	1.30	---	---	2.10	2.50	1.90	1.88	1.51	1.93
15	1.41	1.75	---	---	---	---	1.98	2.28	2.08	1.69	---	2.05
16	1.29	1.73	---	---	---	1.51	1.86	2.09	2.16	---	---	2.20
17	---	1.75	---	---	---	1.86	1.87	2.02	1.74	---	---	2.21
18	1.68	1.57	---	---	---	2.25	1.69	1.89	---	1.39	---	2.49
19	1.89	1.54	---	---	1.47	2.35	1.70	1.86	---	1.72	1.46	2.58
20	1.50	1.49	---	1.45	1.84	2.12	1.79	1.48	---	1.83	1.56	2.67
21	---	1.44	---	1.84	2.61	1.72	2.23	1.46	---	1.71	1.42	3.05
22	---	1.43	---	2.26	2.23	1.70	6.75	1.45	---	1.88	1.27	2.46
23	1.54	1.42	---	3.36	2.73	2.41	10.85	1.69	---	2.44	1.34	2.14
24	---	---	1.44	5.88	4.92	1.35	14.60	1.44	---	3.01	1.27	1.90
25	---	---	---	5.80	7.58	---	15.92	1.43	---	2.72	1.70	2.05
26	1.29	1.79	---	5.16	11.11	---	14.67	---	---	4.63	2.27	2.14
27	---	2.31	---	4.31	11.57	---	11.86	---	1.44	4.14	1.93	2.22
28	1.37	---	1.54	2.94	10.19	---	8.99	---	1.61	3.37	2.01	2.07
29	1.40	---	1.72	2.43	---	1.45	6.39	---	1.49	2.81	1.98	1.84
30	1.64	1.99	2.26	2.26	---	1.97	4.82	---	---	2.21	2.26	1.67
31	2.08	---	2.21	2.64	---	2.23	---	2.41	---	1.52	2.35	---
MEAN	---	---	---	---	---	---	4.98	---	---	---	---	2.14
MAX	2.51	2.31	2.28	5.88	11.57	7.48	15.92	4.12	---	4.63	2.35	3.05
MIN	---	---	---	---	---	---	1.56	---	---	---	---	1.51

MISSISSIPPI RIVER DELTA

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) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.99 ft (2.740 m) Apr. 24, 1979; minimum, 2.57 ft (0.783 m) Feb. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.99 ft (2.740 m) Apr. 24; minimum, 2.98 ft (0.908 m) Mar. 25.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.36	5.63	5.55	5.82	4.53	5.95	5.87	7.72	5.57	4.26	4.91	5.94
2	6.10	5.30	5.46	5.60	4.27	5.75	5.83	7.46	5.55	4.56	4.50	6.03
3	5.72	5.03	5.56	4.24	4.84	6.10	6.20	7.29	5.10	4.40	4.57	6.07
4	5.36	4.98	5.50	3.88	5.32	6.27	6.45	7.17	4.07	4.28	4.68	6.01
5	5.43	4.83	5.37	4.65	6.05	6.14	6.21	7.11	4.59	4.24	4.77	5.75
6	5.32	5.10	5.12	5.01	7.00	5.98	5.94	6.93	4.46	4.21	4.90	5.42
7	5.07	5.14	5.54	5.46	7.34	5.67	5.73	6.72	4.65	4.49	4.97	5.34
8	5.16	4.68	5.32	4.95	7.19	4.99	5.60	6.54	4.89	4.80	5.30	5.50
9	5.13	4.90	4.71	4.45	6.87	4.71	4.93	6.41	5.12	5.09	5.46	5.46
10	5.20	5.04	3.97	4.71	6.67	5.25	5.22	6.40	5.47	5.10	5.49	5.61
11	5.41	5.41	4.46	4.90	6.26	5.00	5.92	6.29	5.45	5.76	5.12	6.01
12	5.76	5.04	4.38	5.36	5.66	4.59	6.23	6.27	5.47	5.86	4.68	6.24
13	5.78	5.14	4.36	5.67	4.86	4.81	6.28	6.23	5.65	5.75	5.08	6.24
14	5.58	5.23	4.34	4.93	4.67	4.80	5.97	6.01	5.67	5.60	5.30	5.84
15	5.20	5.52	4.48	4.42	4.64	4.65	5.75	5.91	5.77	5.36	4.90	5.90
16	5.02	5.48	4.75	4.65	4.53	5.21	5.65	5.80	5.87	4.80	4.85	6.02
17	4.90	5.54	4.74	4.60	4.58	5.54	5.65	5.74	5.52	4.74	5.05	6.00
18	5.47	5.37	4.82	4.61	4.95	5.89	5.47	5.61	4.92	5.07	5.06	6.19
19	5.66	5.29	4.77	4.57	5.02	6.02	5.48	5.59	4.65	5.48	5.24	6.27
20	5.32	5.27	4.62	5.26	5.26	5.90	5.57	5.02	4.72	5.64	5.37	6.35
21	5.04	5.21	4.76	5.01	6.11	5.49	6.23	4.77	4.60	5.44	5.19	6.59
22	5.05	5.20	4.60	3.65	5.77	5.46	8.45	4.85	4.66	5.56	5.05	6.35
23	5.33	5.20	4.90	4.42	5.78	6.27	8.83	5.40	4.82	5.99	5.13	6.02
24	5.03	5.01	5.26	6.25	6.78	5.24	8.98	5.05	4.81	6.36	5.06	5.75
25	4.77	4.91	4.63	5.69	6.71	3.49	8.97	4.84	4.74	7.10	5.43	5.83
26	5.04	5.56	4.71	5.03	6.27	3.35	8.93	4.74	5.13	7.33	5.65	5.95
27	5.02	5.81	4.75	5.29	6.02	4.42	8.84	4.74	5.23	7.15	5.62	6.04
28	5.18	6.00	5.29	4.85	5.97	4.80	8.66	4.69	5.39	6.91	5.75	5.96
29	5.21	5.88	5.42	4.38	---	5.21	8.35	4.79	5.28	6.56	5.76	5.74
30	5.42	5.76	5.92	4.66	---	5.72	8.04	5.10	4.89	6.32	6.00	5.53
31	5.82	---	5.93	5.41	---	5.93	---	5.98	---	5.71	6.15	---
MEAN	5.35	5.28	4.97	4.92	5.71	5.31	6.67	5.91	5.11	5.48	5.19	5.93
MAX	6.36	6.00	5.93	6.25	7.34	6.27	8.98	7.72	5.87	7.33	6.15	6.59
MIN	4.77	4.68	3.97	3.65	4.27	3.35	4.93	4.69	4.46	4.21	4.50	5.34

MISSISSIPPI RIVER DELTA

245

07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA (CE 82700)

LOCATION.--Lat 29°49'22", long 90°28'36", in NW¼SW¼ sec.43, T.14 S., R.20 E., St. Helena Meridian, St. Charles-Lafourche Parish line, Hydrologic Unit 08090301, at bridge on U.S. Highway 90 in Des Allemands.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1959, 1977 to current year (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-CORALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 31...	0940	569	7.7	50	20	<1.0	6.0	42	2.1	6200	K32	96
NOV 21...	0945	735	8.1	60	15	<1.0	7.6	42	5.8	6200	K6	110
DEC 19...	1010	341	7.0	60	25	<1.0	7.8	53	4.6	K160	40	75
JAN 26...	1410	3100	7.7	60	75	<1.0	11.4	120	3.3	1300	80	300

DATE	HARDNESS, NONCALCARIUM (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
OCT 31...	31	22	10	76	62	3.4	4.0	79	0	65	18	140
NOV 21...	46	22	13	100	65	4.2	5.0	76	0	62	21	180
DEC 19...	26	19	6.7	37	50	1.9	3.8	60	0	49	13	65
JAN 26...	220	36	52	510	77	13	18	95	0	78	100	920

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE (MG/L AS N)	NITROGEN, NITRITE (MG/L AS N)	NITROGEN, NO2+NO3 (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC, TOTAL (UG/L AS AS)	ARSENIC, SUSPENDED (UG/L AS AS)	ARSENIC, DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BE)
OCT 31...	26	.08	.02	.10	1.5	.11	2	1	1	0	0
NOV 21...	9	.01	.01	.02	.98	.16	2	0	2	1	0
DEC 19...	31	.14	.02	.16	1.2	.13	2	1	1	10	0
JAN 26...	88	.98	.12	1.1	1.2	.17	2	1	1	10	10

DATE	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM, TOTAL RECOVERABLE (UG/L AS Cd)	CADMIUM, SUSPENDED RECOVERABLE (UG/L AS Cd)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS Pb)
OCT 31...	0	1	1	0	0	0	3	1	2	30	4
NOV 21...	1	1	0	1	0	0	5	4	1	0	2
DEC 19...	10	0	0	0	10	0	7	4	3	170	9
JAN 26...	0	0	0	0	10	0	7	5	2	70	8

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

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

MISSISSIPPI RIVER DELTA

07380300 BAYOU DES ALLEMANIS AT DES ALLEMANDS, LA (CE 82700)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECov- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 31...	4	0	.0	.0	.0	3	3	0	0	0	0	--
NOV 21...	2	0	.0	.0	.0	0	0	0	1	0	1	--
DEC 19...	7	2	.0	.0	.0	6	3	3	0	0	0	.0
JAN 26...	8	0	.0	.0	.0	9	8	1	0	0	0	--

DATE	ZINC, TOTAL RECov- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECov- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 31...	20	10	10	14	.00	1	0	.0	.00	.00	.0	.00
NOV 21...	10	7	3	16	.00	4	0	.0	.00	.00	.0	.00
DEC 19...	10	0	10	15	.00	4	0	.0	--	.00	.0	.00
JAN 26...	40	30	10	15	.00	0	6	.0	--	.00	.0	.00

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
OCT 31...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NOV 21...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC 19...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN 26...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 31...	.00	.00	.00	.00	.00	0	.00	.02	.01	.03	41.7	.730
NOV 21...	.00	.00	.00	.00	.00	0	.00	.11	.02	.06	37.6	1.40
DEC 19...	.00	.00	.00	.00	.00	0	.00	.60	.01	.03	26.2	.000
JAN 26...	.00	.00	.00	.00	.00	0	.00	.02	.01	.00	3.78	.000

MISSISSIPPI RIVER DELTA

247

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°09'40", long 91°20'14", in NE¼ sec.34, T.10 S., R.11 E., Iberville Parish, Hydrologic Unit 08070300, at bridge on State Highway 75 spur in Bayou Sorrel.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VANCE (MICHO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)
MAR							
27...	1045	--	340	7.3	16.0	50	50
APR							
17...	1000	1530	349	7.3	22.0	40	20
30...	1240	6640	177	7.1	21.0	60	35
MAY							
14...	1100	3970	225	7.1	23.0	50	15
24...	1300	2400	269	7.1	22.5	50	20
JUN							
07...	1000	2670	253	7.3	26.5	30	20
20...	1420	985	327	7.2	31.0	20	20
JUL							
02...	1200	1120	408	6.9	31.0	20	30
23...	1140	1080	366	7.3	28.5	15	45
AUG							
10...	1130	1440	379	6.8	27.5	20	30
24...	1040	477	354	7.5	28.0	20	65
SEP							
07...	1400	1360	337	7.4	30.5	15	50

DATE	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
MAR						
27...	6.2	2.6	K180	1500	120	18
APR						
17...	5.6	1.5	300	210	130	20
30...	5.7	.2	200	<10	65	6
MAY						
14...	2.2	3.5	K100	250	88	13
24...	4.5	4.3	K32	170	97	15
JUN						
07...	3.9	3.1	330	7800	92	17
20...	5.4	2.1	450	K50	110	23
JUL						
02...	7.5	1.0	K150	K5	130	50
23...	4.7	2.4	270	320	130	23
AUG						
10...	2.9	1.9	400	64	130	31
24...	3.5	.9	<5	130	130	40
SEP						
07...	6.0	4.6	K80	1500	120	13

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

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

MISSISSIPPI RIVER DELTA

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINEITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
MAR 27...	31	9.4	21	3.3	120	0	98	20	29	.2	7.4
APR 17...	34	11	18	3.6	134	0	110	21	25	.2	7.3
30...	17	5.5	10	3.3	72	0	59	12	16	.1	7.2
MAY 14...	24	6.7	10	3.8	91	0	75	15	14	.1	6.7
24...	26	7.9	15	3.7	100	0	82	16	21	.2	6.5
JUN 07...	24	7.7	13	3.3	92	0	75	20	16	.1	7.1
20...	28	10	20	3.3	107	0	88	28	24	.2	7.6
JUL 02...	33	12	28	3.4	100	0	82	53	36	.2	6.5
23...	33	12	23	3.6	133	0	109	45	24	.2	8.6
AUG 10...	32	12	27	3.7	118	0	97	24	50	.2	9.3
24...	27	16	19	3.2	128	0	105	44	22	.2	7.7
SEP 07...	32	9.7	16	3.8	130	0	107	31	17	.2	8.7

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
MAR 27...	198	.42	.18	.72	.62	.22	.12	11	--	--
APR 17...	219	.78	.06	.71	.65	.10	.10	--	11	1.1
30...	115	.33	.19	.82	.59	.30	.22	11	--	--
MAY 14...	144	.40	.23	1.2	.78	.38	.24	--	26	--
24...	156	.86	.04	--	1.5	.28	.18	9.8	--	--
JUN 07...	150	.63	.11	.73	.02	.26	.17	9.3	--	--
20...	185	.69	.08	.84	.58	.14	.06	--	5.7	.7
JUL 02...	237	1.0	.08	.81	.76	.13	.06	--	--	--
23...	221	1.3	.06	.96	.85	.18	.10	5.4	--	--
AUG 10...	226	.63	.09	.96	--	.16	.10	--	18	1.2
24...	206	1.4	.04	.59	.46	.18	.04	6.2	--	--
SEP 07...	199	.86	.02	.85	.73	.10	.05	--	--	--

MISSISSIPPI RIVER DELTA

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07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)
APR 17...	3	2	100	100	0	0	0	0	0
MAY 14...	3	1	100	0	1	1	10	10	0
JUN 20...	3	2	100	60	1	1	10	0	3
AUG 10...	4	3	0	--	1	--	10	10	1

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
APR 17...	0	11	5	1100	10	16	0	100	30
MAY 14...	0	4	4	1100	120	6	0	220	150
JUN 20...	3	11	4	1000	10	44	0	210	140
AUG 10...	--	2	2	1700	90	1	0	200	0

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
APR 17...	.1	.0	0	0	0	0	30	10
MAY 14...	.1	.1	1	0	0	0	30	30
JUN 20...	.1	.1	0	0	0	0	10	6
AUG 10...	.1	.0	0	0	0	0	10	--

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAR 27...	4500	55	--	96
APR 17...	--	225	929	78
30...	--	55	986	89
MAY 14...	--	54	579	95
24...	--	48	311	87
JUN 07...	--	90	649	86
20...	--	66	176	80
JUL 02...	--	103	311	98
23...	--	156	455	96
AUG 10...	--	94	365	82
24...	--	194	250	99
SEP 07...	--	158	580	95

MISSISSIPPI RIVER DELTA

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE	MAR 27, 79	JUL 2, 79
TIME	1045	1200
TOTAL CELLS/ML	4500	460
DIVERSITY: DIVISION	1.2	0.0
..CLASS	1.2	0.0
...ORDER	1.6	0.0
...FAMILY	2.2	0.0
....GENUS	0.0	0.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCEALES				
...OOCYSTACEAE				
....ANKISTRODESMUS	370	8	--	-
....CHLORELLA	25	1	--	-
....CHODATELLA	540	12	--	-
....CLUSTERIOPSIS	25	1	--	-
....DICITYOSPHAERIUM	710#	16	--	-
....KIRCHNERIELLA	200	4	--	-
...OOCYSTIS	98	2	--	-
...SCENEDESMACEAE				
....ACTINASTRUM	390	9	--	-
....SCENEDESMUS	270	6	--	-
....TETRASTRUM	98	2	--	-
..VOLVOCALES				
...CHLAMYDOMONADACEAE	170	4	--	-
...PHACOTACEAE				
....PHACOTUS	25	1	--	-
....PTEROMONAS	25	1	--	-
CHRYSIOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
...COSCINODISCACEAE				
...CYCLOTELLA	420	9	--	-
...MELUSIRA	540	14	--	-
...PENNALES				
...FRAGILARIACEAE				
...SYNEURA	49	1	--	-
...NITZSCHACEAE				
...NITZSCHIA	74	2	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCEALES				
...CHROOCOCCEACEAE				
...ANACYSTIS	200	4	460#	100
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
...EUGLENACEAE				
....PHACUS	25	1	--	-
....TRACHELOMONAS	98	2	--	-

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

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA

LOCATION.--Lat 30°58'57", long 91°47'54", in NE¼SW¼ sec.7, T.1 S., R.7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, near right bank on downstream side of Khasas 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 1977. Gage heights, May 1, 1887, to May 15, 1892, and Dec. 1, 1903, to current year, and discharge (intermittently since 1851) are contained in reports of Corps of Engineers, New Orleans district.

REVISED RECORDS.--WDR LA 77-2: 1975.

GAGE.--Water-stage recorder. Datum of gage is 5.73 ft (1.747 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Flow consists of that from the Red River and controlled diversion from the Mississippi River by way of Old River Control Structure. Drainage area does not include non-contributing area or Mississippi River area.

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

AVERAGE DISCHARGE.--6 years, 259,000 ft³/s (7,330 m³/s), 187,646,000 acre-ft/yr (231 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 781,000 ft³/s or 22,100 m³/s (observed) May 12, 1973; maximum gage height, 49.05 ft (14.950 m) May 15, 1973; minimum daily, 22,000 ft³/s (623 m³/s) Oct. 4, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1903, 53.4 ft (16.28 m), May 16, 1927.

EXTREMES FOR CURRENT YEAR.--Water year 1978: Maximum daily discharge, 440,000 ft³/s (12,500 m³/s) Apr. 9, 10; maximum gage height, 33.89 ft (10.33 m) Apr. 11; minimum daily discharge, 91,000 ft³/s (2,580 m³/s) Sept. 1.

RECORDS FOR THE 1979 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 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	157000	127000	238000	248000	242000	142000	390000	296000	365000	161000	144000	91000
2	158000	127000	236000	245000	246000	135000	398000	284000	354000	163000	141000	92000
3	157000	130000	228000	241000	253000	131000	406000	284000	346000	159000	139000	92000
4	156000	140000	226000	235000	262000	127000	417000	285000	341000	151000	142000	92000
5	155000	152000	224000	223000	264000	126000	424000	288000	332000	147000	142000	93000
6	155000	161000	225000	209000	267000	129000	433000	289000	317000	150000	141000	94000
7	150000	166000	227000	203000	278000	134000	436000	293000	308000	150000	141000	96000
8	148000	164000	229000	200000	290000	148000	438000	308000	302000	149000	143000	100000
9	143000	163000	233000	195000	298000	150000	440000	315000	288000	151000	140000	107000
10	134000	162000	241000	184000	300000	152000	440000	320000	273000	154000	141000	112000
11	147000	164000	244000	188000	298000	157000	429000	325000	264000	160000	143000	117000
12	174000	172000	251000	187000	294000	161000	435000	327000	251000	160000	143000	115000
13	172000	180000	265000	186000	286000	167000	433000	334000	231000	161000	143000	120000
14	171000	186000	280000	186000	268000	173000	429000	339000	218000	161000	142000	113000
15	173000	192000	288000	187000	249000	175000	420000	342000	216000	162000	135000	109000
16	175000	195000	291000	189000	229000	190000	415000	345000	213000	165000	133000	109000
17	176000	197000	293000	190000	213000	201000	405000	340000	202000	165000	133000	114000
18	179000	196000	295000	205000	200000	215000	385000	348000	197000	165000	133000	113000
19	181000	198000	295000	220000	191000	223000	368000	355000	192000	173000	135000	106000
20	181000	203000	294000	230000	183000	237000	362000	360000	183000	173000	134000	101000
21	181000	209000	291000	237000	174000	265000	356000	360000	174000	171000	131000	101000
22	181000	217000	284000	241000	171000	290000	349000	362000	169000	171000	123000	98000
23	180000	219000	279000	243000	169000	298000	345000	366000	167000	172000	122000	99000
24	178000	216000	274000	246000	163000	307000	341000	377000	164000	174000	122000	96000
25	168000	213000	268000	242000	158000	319000	330000	379000	159000	176000	116000	92000
26	152000	210000	262000	253000	153000	328000	322000	379000	155000	159000	114000	92000
27	146000	209000	255000	241000	148000	335000	310000	381000	153000	159000	111000	94000
28	145000	211000	247000	240000	147000	347000	306000	380000	153000	156000	111000	100000
29	141000	212000	245000	239000	---	363000	303000	379000	153000	151000	116000	106000
30	135000	234000	245000	240000	---	372000	301000	377000	154000	147000	109000	117000
31	130000	---	241000	240000	---	381000	---	372000	---	145000	100000	---
TOTAL	4979000	5525000	7994000	6813000	6394000	6878000	11566000	10489000	6994000	4961000	4063000	3081000
MEAN	160600	184200	257900	219800	228400	221900	385500	338400	233100	160000	131100	102700
MAX	181000	234000	295000	253000	300000	381000	440000	381000	365000	176000	144000	120000
MIN	130000	127000	224000	184000	147000	126000	301000	284000	153000	145000	100000	91000
AC-FT	9876000	10960000	15860000	13510000	12680000	13640000	22940000	20800000	13870000	9840000	8059000	6111000
CAL YR 1977 TOTAL	59299000			MEAN 162500	MAX 359000	MIN 39000	AC-FT 117600000					
WTR YR 1978 TOTAL	79737000			MEAN 218500	MAX 440000	MIN 91000	AC-FT 158200000					

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.06	10.08	20.39	21.09	19.95	12.14	31.20	25.83	30.97	13.25	12.14	6.82
2	13.11	10.32	20.52	20.78	20.28	11.60	31.72	24.73	30.50	13.40	11.45	7.00
3	13.14	10.80	19.84	20.43	20.91	11.36	32.02	24.67	30.06	13.26	11.20	6.90
4	12.90	11.40	19.73	19.91	21.88	10.95	32.66	24.67	29.86	12.50	11.57	6.94
5	12.75	12.50	19.74	19.01	22.10	10.83	33.01	25.01	29.58	12.21	11.55	7.10
6	12.83	13.58	19.72	17.64	22.09	10.99	33.45	25.12	28.68	12.38	11.48	7.12
7	12.40	14.18	20.32	17.09	23.48	11.43	33.60	25.22	28.25	12.41	11.49	7.43
8	12.06	14.27	20.35	16.88	23.66	11.98	33.69	26.76	27.86	12.31	11.51	7.62
9	12.33	14.05	20.45	16.66	24.23	12.13	33.75	27.31	26.75	12.44	11.52	8.21
10	10.99	13.99	21.44	15.50	24.53	12.36	33.75	27.60	25.27	12.62	11.52	8.77
11	11.78	13.89	21.73	15.16	24.38	12.72	33.87	28.06	24.41	13.14	11.80	9.21
12	14.50	14.50	22.08	15.04	23.98	13.02	33.79	28.28	23.43	13.23	11.80	9.45
13	14.45	15.25	23.27	14.96	23.68	13.43	33.74	28.76	21.22	13.33	11.80	9.25
14	14.41	15.73	24.72	14.97	22.17	14.06	33.72	29.03	19.72	13.34	11.80	8.80
15	14.43	16.32	25.47	15.02	20.92	14.58	33.28	29.28	19.46	13.39	11.00	8.44
16	14.40	16.60	25.37	15.15	18.98	15.64	33.09	29.46	19.45	13.63	10.70	8.41
17	14.29	16.76	25.44	15.30	17.47	16.46	32.86	29.56	18.21	13.73	10.70	8.78
18	14.31	16.66	25.38	16.38	16.36	17.73	32.00	29.99	17.71	13.64	10.65	8.97
19	14.33	16.68	25.18	17.69	15.57	18.42	31.09	30.50	17.31	13.73	10.84	8.30
20	14.35	17.14	24.95	18.80	15.00	18.94	30.72	30.76	16.55	13.76	10.80	7.83
21	14.36	17.51	24.53	19.32	14.21	21.56	30.42	30.81	15.67	13.48	10.66	7.81
22	14.37	18.31	24.07	19.87	13.89	24.11	29.83	30.83	14.91	13.51	9.91	7.45
23	14.30	18.65	23.81	20.04	13.80	24.90	29.51	31.07	14.69	13.55	9.81	7.60
24	14.26	18.35	23.54	20.20	13.30	25.53	29.25	31.39	14.19	13.74	9.92	7.25
25	13.86	18.19	23.30	20.56	13.00	26.47	28.43	31.50	13.42	13.96	9.27	6.75
26	12.07	17.80	22.89	20.24	12.75	27.34	27.61	31.41	12.87	14.02	9.15	6.63
27	11.42	17.54	22.59	19.99	12.40	27.75	26.68	31.64	12.51	14.35	8.81	6.95
28	11.50	17.75	21.95	19.82	12.35	28.55	26.44	31.57	12.64	13.88	8.56	7.52
29	11.35	17.71	21.62	19.76	---	29.65	26.22	31.55	12.57	13.17	9.27	7.89
30	11.09	19.16	21.73	19.76	---	30.20	26.04	31.43	12.49	12.42	8.62	8.99
31	10.82	---	21.41	19.83	---	30.80	---	31.23	---	12.03	7.71	---
MEAN	13.10	15.52	22.50	18.16	18.83	18.31	31.25	28.87	20.71	13.22	10.61	7.87
MAX	14.50	19.16	25.47	21.09	24.53	30.80	33.87	31.64	30.97	14.35	12.14	9.45
MIN	10.82	10.08	19.72	14.96	12.35	10.83	26.04	24.67	12.49	12.03	7.71	6.63

MISSISSIPPI RIVER DELTA

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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, October 1978 to September 1979.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to current year.

CHLORIDE: October 1974 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1978.

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, 620 micromhos Dec. 5, 1978; minimum daily, 179 micromhos Feb. 21, 1979.

WATER TEMPERATURES: Maximum daily, 30.5°C July 13, 1978; minimum daily, 2.0°C Jan. 18, 19, 20, Feb. 3, 6, 7, 1978, Jan. 15, 1979.

CHLORIDE: Maximum daily, 150 mg/L June 9, 13, 14, 1977; minimum daily, 10 mg/L Apr. 16, 17, 1975.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,203,000 tons (1,090,000 tonnes) Feb. 7, 1975; minimum daily, 2,000 tons (1,800 tonnes Oct. 3, 4, 5, 1976).

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 620 micromhos Dec. 5; minimum daily, 179 micromhos Feb. 21.

WATER TEMPERATURES: Maximum daily, 29.5°C Aug. 8, 9; minimum daily, 2.0°C Jan. 15.

CHLORIDE: Maximum daily, 78 mg/L Nov. 30, Jan. 2; minimum daily, 12 mg/L Apr. 10, 14.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	467	---	---	207	246	304					
2	445	515	---	488	223	---	282					
3	---	482	---	326	---	---	313					
4	416	482	470	302	---	---	286					
5	390	---	620	---	233	251	298					
6	401	516	439	---	217	260	284					
7	---	530	421	---	227	246	289					
8	---	560	428	267	235	240	---					
9	---	540	---	---	---	239	269					
10	399	---	---	275	---	---	276					
11	392	---	---	304	---	---	279					
12	373	---	---	251	211	221	266					
13	397	574	---	---	197	238	251					
14	---	586	---	---	204	252	316					
15	---	579	---	254	221	253	---					
16	440	---	---	248	215	236	231					
17	---	627	---	270	---	---	270					
18	496	---	---	263	---	---	239					
19	516	---	---	252	---	260	259					
20	571	---	---	---	220	256	257					
21	---	---	---	---	179	279	267					
22	---	---	---	215	184	256	276					
23	518	---	---	222	193	312	262					
24	513	---	---	285	---	---	270					
25	550	---	---	237	---	---	276					
26	479	---	---	211	200	275	256					
27	---	476	---	---	200	333	273					
28	---	498	---	---	222	275	252					
29	---	418	---	226	---	281	275					
30	473	---	---	208	---	283	262					
31	507	---	---	233	---	---	---					

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	17.0	17.0	---	3.0	---	19.0	18.0	---	---	28.5	---
2	25.0	17.0	---	7.0	3.5	---	13.0	18.0	---	27.5	28.5	---
3	---	17.0	---	5.0	---	---	12.0	18.0	---	27.5	29.0	---
4	24.0	17.0	12.0	6.0	---	---	14.0	18.0	---	---	---	28.0
5	24.0	---	12.0	---	4.0	7.0	13.0	18.0	---	28.0	---	28.0
6	23.0	15.0	12.0	---	4.0	7.0	13.0	18.0	---	28.5	29.0	28.0
7	---	17.0	12.0	---	3.5	8.0	14.0	18.0	24.0	---	29.0	27.0
8	---	16.0	12.0	4.0	3.0	7.5	---	19.0	24.0	---	29.5	---
9	---	15.0	---	---	---	8.0	14.0	19.0	---	28.0	29.5	---
10	21.0	---	---	3.0	---	---	14.0	20.0	---	28.0	29.0	27.0
11	21.0	---	---	3.0	---	---	15.0	20.0	24.0	28.0	---	27.0
12	21.0	---	---	3.0	3.0	8.5	16.0	20.0	24.0	28.0	---	27.0
13	21.0	16.0	---	---	5.0	9.0	16.0	20.0	24.5	27.5	28.0	26.5
14	---	16.0	---	---	5.0	10.0	16.0	20.0	24.5	---	28.0	26.5
15	---	16.0	---	2.0	6.5	9.0	---	20.0	24.5	---	28.0	---
16	19.0	---	---	3.0	6.5	9.0	16.0	20.0	---	27.5	28.0	---
17	---	16.0	---	3.0	---	---	16.0	20.0	---	27.5	28.0	25.5
18	19.0	---	---	4.0	---	---	17.0	21.0	---	27.5	---	25.0
19	18.0	---	---	4.0	---	10.5	17.0	21.0	---	27.5	---	25.0
20	18.0	---	---	---	6.0	10.5	17.0	22.0	---	27.5	29.0	25.0
21	---	---	---	---	6.0	11.5	17.0	22.0	27.0	---	29.0	---
22	---	---	---	4.5	7.0	11.5	17.0	22.0	27.0	---	29.0	---
23	18.0	---	---	5.0	7.0	11.0	17.0	22.0	---	28.5	29.0	---
24	18.0	---	---	4.0	---	---	17.0	22.0	---	28.0	29.0	---
25	18.0	---	---	5.0	---	---	17.0	22.0	26.5	28.0	---	---
26	17.0	---	---	4.0	6.5	11.0	17.0	---	26.5	28.0	---	22.5
27	---	---	---	---	8.0	11.0	17.0	---	26.5	28.0	29.0	---
28	---	13.0	---	---	---	11.0	17.0	---	26.5	---	29.0	---
29	25.0	---	---	4.0	---	11.0	17.0	22.0	---	28.0	29.0	---
30	16.5	12.0	---	4.0	---	12.0	17.0	22.0	---	29.0	29.0	---
31	17.0	---	---	3.0	---	---	---	22.0	---	28.5	29.0	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	38	40	---	16	20	22	22	28	---	32	---
2	56	32	---	78	18	---	28	18	---	34	36	---
3	---	34	---	32	---	---	20	18	---	40	36	---
4	50	---	28	34	---	---	26	16	32	---	---	36
5	24	---	36	---	20	20	22	34	32	34	---	28
6	52	30	---	---	14	22	16	16	36	34	36	22
7	---	44	---	---	14	20	18	14	26	---	28	30
8	---	46	---	22	20	20	---	28	34	---	30	---
9	---	46	---	---	---	20	16	20	---	40	28	---
10	42	---	---	20	---	---	12	30	---	38	28	26
11	28	---	---	30	---	---	16	20	28	40	---	24
12	28	---	---	20	14	16	18	26	24	36	---	24
13	28	54	---	---	14	18	38	30	30	36	28	22
14	---	40	---	---	16	22	12	18	24	---	28	24
15	---	46	---	20	22	18	---	18	24	---	34	---
16	26	---	---	18	18	18	20	26	---	36	34	---
17	---	28	---	22	---	---	18	28	---	32	24	26
18	30	---	---	22	---	---	18	36	---	34	---	26
19	34	---	---	18	---	14	18	18	---	34	---	24
20	52	---	---	---	20	22	20	20	---	34	42	26
21	---	---	---	---	18	14	22	20	34	---	24	---
22	---	---	---	18	16	30	20	22	30	---	28	---
23	32	---	---	18	18	16	16	20	---	30	30	---
24	28	---	---	32	---	---	20	18	---	28	30	36
25	36	---	---	22	---	---	18	16	38	28	---	28
26	36	---	---	20	14	34	18	---	46	28	---	26
27	---	38	---	---	16	20	14	---	46	30	24	---
28	---	48	---	---	16	16	16	---	40	---	36	---
29	38	36	---	26	---	20	16	24	---	42	28	---
30	44	78	---	16	---	22	---	24	---	28	28	---
31	38	---	---	16	---	---	---	24	---	32	30	---

MISSISSIPPI RIVER DELTA

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07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174000	75000	197000	191000	279000	74000	537000	352000	278000	109000	102000	75000
2	172000	76000	191000	188000	279000	68000	529000	331000	259000	106000	98000	70000
3	167000	80000	178000	184000	284000	67000	521000	331000	244000	97000	94000	64000
4	162000	91000	172000	177000	291000	66000	518000	331000	232000	86000	95000	59000
5	157000	104000	166000	164000	288000	67000	508000	336000	218000	79000	93000	55000
6	153000	116000	163000	149000	286000	72000	501000	336000	198000	78000	90000	51000
7	143000	123000	162000	143000	296000	78000	484000	342000	185000	74000	87000	48000
8	138000	124000	164000	139000	308000	92000	467000	366000	192000	76000	87000	47000
9	128000	125000	168000	134000	313000	97000	450000	377000	191000	80000	82000	47000
10	114000	125000	177000	123000	309000	101000	430000	385000	188000	86000	81000	46000
11	128000	128000	180000	126000	299000	109000	398000	393000	191000	94000	81000	45000
12	158000	138000	188000	125000	267000	116000	388000	395000	189000	98000	79000	41000
13	153000	148000	203000	123000	270000	126000	399000	398000	179000	102000	77000	39000
14	148000	156000	220000	123000	241000	136000	406000	397000	176000	106000	75000	36000
15	146000	164000	229000	123000	213000	143000	408000	392000	184000	111000	68000	35000
16	144000	169000	233000	125000	186000	164000	414000	388000	192000	118000	65000	35000
17	142000	173000	235000	125000	165000	182000	413000	371000	190000	123000	68000	37000
18	141000	173000	234000	144000	148000	204000	398000	374000	195000	127000	72000	37000
19	139000	176000	238000	163000	136000	220000	385000	376000	200000	141000	77000	34000
20	135000	184000	238000	179000	126000	246000	389000	375000	199000	141000	80000	32000
21	131000	193000	235000	193000	115000	294000	393000	366000	197000	138000	82000	32000
22	128000	205000	227000	204000	110000	342000	394000	360000	180000	137000	79000	31000
23	123000	209000	222000	213000	106000	364000	401000	357000	169000	137000	82000	31000
24	118000	201000	217000	223000	99000	389000	407000	364000	157000	139000	86000	30000
25	106000	192000	210000	225000	93000	420000	402000	357000	143000	140000	85000	28000
26	89000	184000	204000	247000	87000	447000	401000	347000	132000	121000	87000	28000
27	82000	179000	197000	236000	82000	471000	379000	340000	123000	120000	88000	29000
28	83000	175000	188000	244000	80000	507000	372000	329000	117000	117000	93000	34000
29	81000	175000	186000	250000	---	553000	366000	319000	112000	111000	104000	40000
30	78000	197000	187000	259000	---	548000	361000	308000	108000	106000	100000	49000
31	76000	---	183000	267000	---	543000	---	294000	---	104000	93000	---

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

DATE	TIME	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (1/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCI				
14...	1645	321	148000	89
27...	1330	208	82000	89
NOV				
09...	1245	285	125000	93
23...	1345	354	209000	77
DEC				
07...	1345	264	162000	81
JAN				
04...	1330	280	177000	76
17...	1315	244	125000	88
FEB				
01...	1315	427	279000	86
14...	1245	333	241000	83
MAR				
02...	1245	187	68000	92
15...	1245	302	143000	92
29...	1245	565	553000	65
APR				
12...	1200	331	388000	66
20...	1230	462	401000	84
MAY				
12...	1230	448	395000	84
24...	1230	358	364000	77
JUN				
07...	1245	223	185000	88
21...	1315	420	197000	97
JUL				
07...	1300	183	74000	94
19...	1245	303	141000	94
AUG				
02...	1245	259	98000	96
16...	1245	181	65000	96
31...	1215	345	43000	99
SEP				
13...	1245	122	39000	96
27...	1245	116	29000	96

MISSISSIPPI RIVER DELTA

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07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW¼NW¼ sec.26, T.4 S., R.7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080102, at bridge on Texas & Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi² (241,688 km²).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to September 1979.

WATER TEMPERATURES: May 1979 to September 1979.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 440 micromhos Sep. 21, 1979; minimum daily, 263 micromhos June 2, 1979.

WATER TEMPERATURES: Maximum daily, 29.0°C Aug. 5, 6, 1979; minimum daily, 22.0°C May 30, 31, 1979.

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT											
20...	1300	513	7.8	19.0	15	60	<1.0	8.6	84	1.3	--
NOV											
16...	1040	607	6.8	18.0	5	30	<1.0	9.5	11	--	--
DEC											
15...	1200	317	7.5	7.0	15	120	<1.0	10.4	35	2.6	1400
JAN											
12...	1000	232	7.8	4.0	40	160	<1.0	14.0	31	5.5	--
FEB											
23...	1100	170	7.2	9.0	60	95	<1.0	11.2	24	3.8	880
MAR											
07...	1030	209	7.4	10.0	80	220	<1.0	9.4	51	2.7	2000
APR											
06...	0900	258	7.2	14.0	60	95	<1.0	8.3	30	1.4	K6000
MAY											
04...	1230	246	7.0	19.0	40	50	<1.0	7.7	19	6.3	K120
JUN											
08...	1400	284	7.6	25.0	40	180	<1.0	8.1	30	3.3	360
JUL											
06...	1200	364	6.8	24.5	20	55	<1.0	6.2	30	2.9	1800
AUG											
03...	1030	429	7.4	29.0	10	45	<1.0	5.1	14	1.2	500
SEP											
14...	0930	399	7.1	25.0	15	45	<1.0	7.1	23	--	K40

DATE	COLIFORM, FECCAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECCAL, KF AGAR (COLS. PER 100 ML)	HARDNESS, NONCARBONATE AS (MG/L CaCO3)	HARDNESS, NONCARBONATE (MG/L CaCO3)	CALCIUM DISSOLVED (MG/L Ca)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)
OCT 20...	K300	K160	180	46	48	1.5	32	27	1.0	3.9	165
NOV 16...	K220	--	190	54	51	16	42	32	1.3	4.2	170
DEC 15...	K360	--	110	35	32	8.2	18	25	.7	2.9	96
JAN 12...	540	--	80	19	22	6.1	14	27	.7	2.7	75
FEB 23...	180	--	50	13	14	3.7	15	38	.9	1.9	45
MAR 09...	K180	--	23	0	--	5.6	12	1	--	2.4	60
APR 06...	4800	--	100	25	28	7.3	13	21	.6	2.9	90
MAY 04...	K35	--	97	28	27	7.2	10	18	.4	2.6	84
JUN 08...	K120	K12	93	27	26	6.8	18	29	.8	2.7	80
JUL 06...	K140	K80	119	41	33	8.9	28	33	1.1	2.7	95
AUG 03...	K60	4300	140	39	37	11	28	30	1.0	3.5	120
SEP 14...	K30	K28	160	57	41	13	22	31	.8	3.3	120

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

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

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 20...	0	140	64	35	84	1.2	.01	1.2	.83	.23
NOV 16...	0	139	87	47	42	.93	.01	.94	.63	.20
DEC 15...	0	79	42	21	600	.95	.01	.96	.58	.46
JAN 12...	0	62	28	18	298	.69	.10	.79	3.2	.32
FEB 23...	0	37	21	19	158	.31	.08	.39	.62	.15
MAR 09...	0	49	23	13	298	.61	.08	.69	1.4	.10
APR 06...	0	74	29	23	364	1.4	.04	1.4	.44	.30
MAY 04...	0	69	29	14	61	1.5	.02	1.5	.60	.07
JUN 08...	0	66	38	27	294	.62	.12	.74	.98	.27
JUL 06...	0	74	45	35	154	.88	.02	.90	.52	.11
AUG 03...	0	98	50	38	56	1.1	.02	1.1	.00	.18
SEP 14...	0	98	58	24	86	1.4	.02	1.4	1.9	.24

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT 20...	4	2	2	0	0	0	2	1	1
NOV 16...	4	2	2	10	9	1	1	0	1
DEC 15...	5	4	1	0	0	0	1	0	1
JAN 12...	3	2	1	0	0	0	1	0	1
FEB 23...	3	2	1	0	0	0	0	0	0
MAR 09...	3	1	2	0	0	0	4	0	4
APR 06...	3	2	1	0	0	0	0	0	0
MAY 04...	3	2	1	0	0	0	1	0	1
JUN 08...	3	2	1	0	0	0	1	0	1
JUL 06...	2	1	1	10	9	1	1	0	1
AUG 03...	2	0	2	1	0	1	1	0	1
SEP 14...	2	0	2	1	0	1	1	0	1

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOVERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 20...	0	0	9	5	4	20	7	7	0
NOV 16...	0	0	--	--	24	10	4	4	0
DEC 15...	30	0	24	14	10	30	11	8	3
JAN 12...	0	0	18	14	4	100	12	8	4
FEB 23...	20	0	12	5	7	80	12	12	0
MAR 09...	20	0	--	--	62	490	--	--	74
APR 05...	20	0	14	0	--	110	200	180	21
MAY 04...	10	0	14	10	4	60	9	9	0
JUN 08...	20	0	50	45	5	130	15	15	0
JUL 06...	10	0	9	4	5	50	15	6	9
AUG 03...	0	0	5	3	2	20	9	9	0
SEP 14...	20	0	5	2	3	40	46	46	0

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOVERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOVERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUS- PENDED TOTAL (UG/L AS SE)
OCT 20...	.1	.1	.0	6	2	4	1	1
NOV 16...	.1	.1	.0	5	1	4	1	0
DEC 15...	.0	.0	.0	15	13	2	1	1
JAN 12...	.1	.1	.0	13	10	3	0	0
FEB 23...	.3	.0	.3	8	8	0	0	0
MAR 09...	.1	.1	.0	20	10	10	0	0
APR 06...	.1	.1	.0	12	12	0	0	0
MAY 04...	.3	.3	.0	9	9	0	0	0
JUN 08...	.1	.0	.1	11	9	2	1	1
JUL 06...	.1	.1	.0	13	11	2	1	1
AUG 03...	.0	.0	.0	4	4	0	1	0
SEP 14...	.1	.1	.0	2	1	1	0	1

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SFLE- NIUM, DIS- SOLVED) (UG/L AS SE)	VANA- DIUM, DIS- SOLVED) (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED) (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)
OCT										
20...	0	.0	30	10	20	7.3	.00	2	0	.0
NOV										
16...	1	.0	40	30	10	5.4	.00	3	0	.0
DEC										
15...	0	.0	50	30	20	11	.00	0	0	.0
JAN										
12...	0	.0	50	30	20	9.9	.00	5	7	.0
FEB										
23...	0	.6	50	40	10	11	.00	5	0	.0
MAR										
09...	0	1.7	--	--	120	11	.00	2	0	.0
APR										
06...	0	.3	40	0	--	11	.00	2	0	.0
MAY										
04...	0	.0	50	0	50	7.9	.00	8	--	--
JUN										
08...	0	.0	40	10	30	9.7	.00	5	0	--
JUL										
06...	0	.0	60	0	60	--	.00	4	0	.0
AUG										
03...	1	1.0	40	40	3	--	.00	1	0	.0
SEP										
14...	--	1.0	20	10	10	6.4	.00	1	0	.1

DATE	NAPH- THAL- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
OCT										
20...	.00	.002	.000	.001	.000	.000	.00	.004	.000	.000
NOV										
16...	.00	.000	.000	.000	.000	.001	.01	.002	--	.000
DEC										
15...	.00	.000	.000	.000	.000	.004	.01	.004	.000	.001
JAN										
12...	--	.000	.000	.000	.002	.009	.00	.003	.000	.000
FEB										
23...	--	.000	.000	.000	.002	.000	.00	.000	.000	.000
MAR										
09...	--	.000	.000	.000	.003	.008	.01	.000	.000	.000
APR										
06...	.00	.000	.000	.000	.000	.000	.00	.002	.000	.000
MAY										
04...	--	--	--	--	--	--	--	--	--	--
JUN										
08...	--	--	--	--	--	--	--	--	--	--
JUL										
06...	.00	.000	.0	.000	.000	.000	.02	.004	.000	.000
AUG										
03...	.00	.000	.0	.000	.000	.000	.01	.000	.000	.000
SEP										
14...	.00	.000	.0	.000	.000	.000	.00	.000	.000	.000

MISSISSIPPI RIVER DELTA

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07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)
OCT 20...	.00	.000	.000	.001	.00	.00	.00	.00	.00	.00
NOV 16...	.00	.001	.001	.000	.00	.00	.00	.00	.00	.00
DEC 15...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00
JAN 12...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00
FEB 23...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00
MAR 09...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00
APR 06...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00
JUN 08...	--	--	--	--	--	--	--	--	--	--
JUL 06...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00
AUG 03...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00
SEP 14...	.00	.000	.000	.000	.00	.00	.00	.00	.00	.00

DATE	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 20...	.00	.0	.00	.00	.00	.00	--	6.70	.000
NOV 16...	.00	.0	.00	.02	.01	.01	--	5.79	.522
DEC 15...	.00	.0	.00	.01	.00	.00	--	1.87	.000
JAN 12...	.00	.0	.00	.02	.01	.00	--	2.14	.000
FEB 23...	.00	.0	.00	.03	.01	.00	--	3.49	.000
MAR 09...	.00	.0	.00	.02	.01	.00	--	2.13	.000
APR 06...	.00	.0	.00	.04	.01	.00	--	.000	.000
JUN 08...	--	--	--	--	--	--	--	3.29	.000
JUL 06...	.00	.0	.00	.00	.00	.00	5600	10.1	.000
AUG 03...	.00	.0	.00	.02	.00	.00	--	18.3	.000
SEP 14...	.00	.0	.00	.01	.02	.00	--	3.95	.000

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	265	376	395	430
2								---	263	357	402	432
3								---	267	358	417	428
4								---	274	358	419	433
5								---	279	358	401	419
6								---	277	366	388	403
7								---	276	369	376	400
8								---	287	367	373	412
9								---	291	368	377	413
10								---	286	365	346	412
11								---	283	370	350	408
12								---	282	373	310	408
13								---	275	377	350	399
14								---	267	378	352	402
15								---	267	377	352	433
16								---	266	386	351	429
17								---	270	394	345	433
18								---	285	390	346	433
19								---	290	387	350	439
20								---	298	384	348	437
21								---	307	389	353	440
22								---	323	380	360	389
23								---	387	378	368	390
24								---	388	369	370	394
25								---	390	374	373	376
26								---	388	377	375	361
27								---	378	380	375	357
28								---	379	368	382	358
29								303	376	367	385	342
30								306	375	389	393	337
31								276	---	---	402	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	23.0	26.0	28.0	27.0
2								---	23.0	26.0	28.0	27.0
3								---	23.0	26.0	25.0	27.0
4								---	24.0	26.0	28.5	27.5
5								---	23.0	28.0	29.0	27.5
6								---	24.0	28.0	29.0	27.5
7								---	24.0	26.0	28.5	26.0
8								---	24.0	26.0	28.5	26.5
9								---	25.0	25.0	28.5	26.5
10								---	25.0	27.0	28.5	26.5
11								---	24.0	27.0	28.5	26.5
12								---	24.0	27.0	28.5	26.0
13								---	24.0	27.0	28.5	26.0
14								---	24.0	26.0	28.5	26.0
15								---	24.0	26.0	28.5	25.0
16								---	25.0	26.0	27.0	25.0
17								---	25.0	27.0	27.5	25.0
18								---	26.0	27.0	28.5	25.0
19								---	26.0	27.0	29.0	25.0
20								---	26.0	28.0	28.5	24.5
21								---	26.0	28.0	28.0	24.0
22								---	26.0	28.0	28.0	23.0
23								---	26.0	28.0	28.0	23.0
24								---	26.0	28.0	28.0	23.0
25								---	26.0	28.0	28.0	23.5
26								---	26.0	28.0	28.0	23.0
27								---	26.0	27.0	28.0	23.0
28								---	26.0	27.0	27.5	23.5
29								23.0	26.0	28.0	27.0	23.0
30								22.0	26.0	28.0	27.0	23.0
31								22.0	---	27.0	28.0	---

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE	JUL 6, 79
TIME	1200
TOTAL CELLS/ML	5600
DIVERSITY: DIVISION	1.6
..CLASS	1.6
...ORDER	1.6
...FAMILY	2.1
....GENUS	2.7

ORGANISM	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...CHARACIACEAE		
....SCHROEDERIA	64	1
...OOCYSTACEAE		
....ANKISTRODESMUS	130	2
....DICTYOSPHAERIUM	1000#	18
...OOCYSTIS	260	5
...SCENEDESMACEAE		
....SCENEDESMUS	1000#	18
CHRYSOPHYTA		
..BACILLARIOPHYCEAE		
...CENTRALES		
...COSCINODISCACEAE		
....COSCINODISCUS	130	2
....CYCLOTELLA	450	8
....MELOSIRA	1400#	25
CYANOPHYTA (BLUE-GREEN ALGAE)		
..CYANOPHYCEAE		
...CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	1000#	18
PYRRHOPHYTA (FIRE ALGAE)		
..DINOPHYCEAE		
...GYMNODINIALES		
...GYMNODINIACEAE		
....GYMNODINIUM	64	1

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

MISSISSIPPI RIVER DELTA

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.--Water years 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COHALI UNITS)	TURBIDITY (JTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	
NOV													
02...	0815	689	7.9	5	20	<1.0	8.1	130	3.0	K260	K48	240	
27...	0900	43	7.6	5	25	<1.0	6.5	23	4.7	12000	K3200	150	
JAN													
05...	0840	145	7.2	100	120	<1.0	9.2	37	4.1	K1600	740	44	
FEB													
06...	0840	98	7.1	100	140	<1.0	9.0	50	3.5	18000	670	33	
MAR													
02...	0840	88	6.8	200	140	<1.0	6.8	39	1.9	3100	220	38	
30...	0435	155	7.0	100	30	<1.0	7.2	44	4.5	9400	K56	63	
APR													
27...	0900	165	6.7	100	130	<1.0	4.8	32	2.2	4000	K1900	46	
MAY													
30...	0830	252	6.4	100	10	<1.0	4.4	37	4.3	13000	1700	92	
JUN													
29...	0815	208	7.2	50	20	<1.0	--	46	--	1600	160	80	
JUL													
27...	0830	140	6.5	120	190	<1.0	5.1	39	3.7	10000	K1600	49	
AUG													
29...	0815	435	7.5	30	15	<1.0	6.3	31	2.4	--	K2900	170	
DATE		HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
NOV													
02...	5	64	20	48	30	1.3	4.2	289	0	240	17	68	
27...	0	38	13	26	27	.9	3.6	192	0	160	12	28	
JAN													
05...	3	11	4.1	8.8	28	.6	3.5	50	0	41	13	11	
FEB													
06...	1	8.0	3.1	4.5	21	.3	2.5	39	0	32	6.3	5.7	
MAR													
02...	5	9.7	3.4	3.6	16	.3	2.1	40	0	33	7.1	4.5	
30...	1	16	5.7	5.8	16	.3	2.9	76	0	62	7.3	5.5	
APR													
27...	10	11	4.4	12	35	.8	3.0	44	0	36	8.3	21	
MAY													
30...	39	23	8.4	14	33	.6	3.8	--	0	--	11	19	
JUN													
29...	0	20	7.2	8.1	17	.4	3.3	100	0	82	6.9	8.1	
JUL													
27...	3	12	4.7	6.9	22	.4	2.8	56	0	46	6.2	8.6	
AUG													
29...	5	43	15	24	23	.8	4.0	200	0	164	13	26	

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

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

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
NOV 02...	7	.04	.02	.06	.63	.09	2	0	2	0	0
27...	46	.07	.01	.08	1.0	.13	2	0	2	1	0
JAN 05...	90	.67	.05	.72	1.2	.35	3	1	2	10	0
FEB 06...	96	.03	.12	.15	1.6	.31	3	1	2	0	0
MAR 02...	90	.04	.08	.12	.95	.20	3	2	1	0	0
30...	9	.00	.02	.02	.83	.29	4	1	3	1	0
APR 27...	72	.24	.16	.40	.78	.32	3	1	2	0	0
MAY 30...	40	.33	.04	.37	.92	.31	4	1	3	0	0
JUN 29...	16	.00	.02	.02	.71	.27	4	1	3	1	0
JUL 27...	166	.51	.16	.67	1.2	.35	4	2	2	1	0
AUG 29...	34	.00	.02	.02	.78	.17	7	1	6	10	10
DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CH)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CH)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
NOV 02...	0	0	0	0	0	0	2	0	2	30	7
27...	1	2	1	1	10	0	5	0	5	0	14
JAN 05...	10	1	0	1	0	0	11	1	10	170	8
FEB 06...	0	1	1	0	10	0	14	6	8	200	16
MAR 02...	0	0	0	0	10	0	8	4	4	180	19
30...	1	1	0	1	10	0	10	0	10	170	9
APR 27...	0	1	1	0	10	0	7	0	7	560	18
MAY 30...	0	0	0	1	0	0	6	0	8	70	8
JUN 29...	1	1	0	1	0	0	7	2	5	50	6
JUL 27...	1	1	0	1	10	0	10	6	4	100	10
AUG 29...	0	0	0	0	0	0	3	0	3	10	4

MISSISSIPPI RIVER DELTA

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV 02...	7	0	.0	.0	.0	2	0	2	1	0	1	.0
27...	14	0	.0	.0	.0	3	0	3	0	0	0	1.8
JAN 05...	7	1	.0	.0	.0	9	6	3	0	0	0	1.4
FEB 06...	15	1	.0	.0	.0	9	7	2	0	0	0	1.3
MAR 02...	16	3	.1	.1	.0	11	11	0	0	0	0	1.2
30...	9	0	.4	.4	.0	4	4	0	0	0	0	2.4
APR 27...	18	0	.1	.1	.0	9	8	1	1	1	0	2.7
MAY 30...	8	0	.0	.0	.0	5	5	0	0	0	0	.1
JUN 29...	6	0	.0	.0	.0	7	4	3	0	0	0	.0
JUL 27...	10	0	.1	.0	.1	10	7	3	0	0	0	1.0
AUG 29...	4	0	.0	.0	.0	0	0	0	0	0	0	1.0
DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
NOV 02...	10	0	10	5.9	.00	1	0	.0	.00	.000	.0	.000
27...	280	170	110	6.7	.00	1	0	.0	.00	.000	.0	.000
JAN 05...	60	30	30	16	.00	1	0	.0	--	.000	.0	.000
FEB 06...	70	50	20	14	.00	7	2	.0	--	.000	.0	.000
MAR 02...	20	10	10	13	.00	4	0	.0	--	.000	.0	.000
30...	70	30	40	15	.00	3	0	.0	.00	.000	.0	.000
APR 27...	40	30	10	14	.00	3	0	.0	.00	.000	.0	.000
MAY 30...	20	10	10	12	.00	4	0	.0	.00	.000	.0	.000
JUN 29...	20	10	7	--	.00	1	1	.0	.00	.000	.0	.000
JUL 27...	70	50	20	9.1	.00	6	0	.0	.00	.000	.0	.008
AUG 29...	0	0	1	10	.00	5	0	.0	.00	.000	.0	.000

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ODE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
NOV												
02...	.008	.000	.00	.000	.000	.000	.00	.000	.000	.003	.00	.00
27...	.003	.000	.02	.000	.000	.000	.00	.002	.000	.001	.00	.00
JAN												
05...	.017	.021	.00	.000	.000	.000	.00	.000	.000	.006	.00	.00
FEB												
06...	.006	.000	.01	.003	.000	.001	.00	.000	.000	.005	.00	.00
MAR												
02...	.010	.016	.00	.000	.000	.000	.00	.000	.000	.004	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR												
27...	.000	.014	.00	.007	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
30...	.000	.000	.01	.006	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
29...	.000	.000	--	.007	.000	.000	--	.000	.000	.000	--	.00
JUL												
27...	.000	.011	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG												
29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
DATE	MFTHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV												
02...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	8.32	.696
27...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.71	.000
JAN												
05...	.00	.00	.00	.00	.00	.0	.00	.24	.01	.01	1.51	.000
FEB												
06...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	.000	.000
MAR												
02...	.00	.00	.00	.00	.00	.0	.00	.05	.00	.00	1.47	.000
30...	.00	.00	.00	.00	.00	.0	.00	.12	.00	.00	40.1	.000
APR												
27...	.00	.00	.00	.00	.00	.0	.00	.09	.01	.01	.000	.000
MAY												
30...	.00	.00	.00	.00	.00	.0	.00	.09	.01	.00	--	--
JUN												
29...	--	--	.00	--	.00	.0	--	.18	.03	.00	5.41	.000
JUL												
27...	.00	.00	.00	.00	.00	.0	.00	.25	.00	.00	.000	.000
AUG												
29...	.00	.00	.00	.00	.00	.0	.00	--	--	--	15.2	.000

MISSISSIPPI RIVER DELTA

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.--Water years 1977 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

		SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-CORAL UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
DATE	TIME											
NOV 02...	0830	626	7.9	5	10	<1.0	7.7	23	2.5	K2000	K8	250
27...	0815	430	7.6	5	15	<1.0	6.6	19	5.4	5000	520	150
JAN 05...	0805	150	7.1	100	120	<1.0	9.3	37	6.9	K800	K140	50
FEB 06...	0830	96	7.1	100	140	<1.0	9.0	51	5.3	20000	2100	33
MAR 02...	0808	88	6.9	200	140	<1.0	7.5	40	3.3	K4500	K180	37
30...	0800	191	6.9	100	45	<1.0	5.6	44	3.2	K3800	K40	74
APR 27...	0845	99	7.0	100	100	<1.0	4.0	33	3.3	K120	K130	39
MAY 30...	0815	268	7.4	140	65	<1.0	4.7	36	3.9	51000	K100	110
JUN 29...	0830	201	7.2	40	10	<1.0	5.3	38	5.0	1000	200	76
JUL 27...	0805	144	6.5	100	180	<1.0	5.2	42	5.1	6000	K1800	50
AUG 29...	0830	435	7.6	20	15	<1.0	6.4	32	1.2	--	K3100	0

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE DISSOLVED (MG/L AS Cl)
NOV 02...	10	64	21	40	26	1.1	4.0	288	0	240	15	54
27...	0	38	13	26	27	.9	3.6	192	0	160	12	28
JAN 05...	8	11	5.5	11	30	.3	4.0	51	0	42	13	14
FEB 06...	0	8.0	3.1	4.4	21	.3	2.6	40	0	33	6.4	5.0
MAR 02...	4	9.0	3.5	3.6	17	.3	2.0	40	0	33	6.6	4.8
30...	4	18	7.1	8.8	20	.4	3.1	85	0	70	10	9.4
APR 27...	3	10	3.5	4.9	20	.3	2.7	44	0	36	6.9	6.0
MAY 30...	6	27	9.9	14	21	.6	4.0	124	0	100	11	17
JUN 29...	0	19	7.0	7.5	17	.4	3.5	98	0	80	6.9	7.7
JUL 27...	7	12	4.8	9.2	27	.6	3.1	52	0	43	11	14
AUG 29...	0	43	15	24	23	.8	4.1	200	0	160	13	26

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

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

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SOLIDS, RESIDUE AT 195 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)
NOV											
02...	7	.06	.02	.08	.72	.09	2	0	2	0	0
27...	46	.05	.01	.09	1.2	.14	2	0	2	1	0
JAN											
05...	112	.66	.05	.71	1.2	.39	3	1	2	10	0
FEB											
05...	112	.32	.12	.44	1.7	.32	3	2	1	0	0
MAR											
02...	26	.10	.08	.18	.93	.20	3	2	1	10	0
30...	31	.24	.02	.26	1.1	.26	3	1	2	1	0
APR											
27...	30	.21	.14	.35	.63	.31	3	1	2	0	0
MAY											
30...	206	.53	.10	.63	.68	.33	4	2	2	0	0
JUN											
27...	15	.00	.02	.02	.66	.19	4	1	3	1	0
JUL											
27...	164	.55	.16	.71	.65	.32	4	2	2	1	0
AUG											
24...	27	.04	.00	.04	.88	.17	6	0	6	10	10

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CU)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
NOV											
02...	0	0	0	0	0	0	4	0	4	20	5
27...	1	2	1	1	10	0	11	2	9	0	14
JAN											
05...	10	1	0	1	0	0	14	2	12	190	13
FEB											
05...	0	1	1	0	10	0	20	9	11	180	9
MAR											
02...	10	0	0	0	10	0	9	1	8	160	21
30...	1	1	0	1	0	0	15	5	10	130	10
APR											
27...	0	1	1	0	10	0	13	11	2	170	130
MAY											
30...	0	1	0	1	0	0	8	1	7	20	10
JUN											
27...	1	1	0	1	0	0	9	6	3	70	11
JUL											
27...	1	3	0	3	10	0	11	1	10	90	14
AUG											
24...	0	0	0	0	0	0	1	0	1	0	4

MISSISSIPPI RIVER DELTA

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE REC OV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL REC OV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE REC OV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL REC OV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE REC OV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV												
02...	5	0	.0	.0	.0	2	0	2	1	0	1	.0
27...	14	0	.0	.0	.0	3	0	3	0	0	0	1.8
JAN												
05...	13	0	.0	.0	.0	5	4	1	0	0	0	.9
FEB												
06...	8	1	.0	.0	.0	7	6	1	0	0	0	1.2
MAR												
02...	18	3	.0	.0	.0	10	10	0	0	0	0	1.4
30...	10	0	.1	.1	.0	4	4	0	1	1	0	1.3
APR												
27...	130	0	.1	.1	.0	6	3	3	1	1	0	1.9
MAY												
30...	10	0	.1	.1	.0	6	6	0	1	1	0	.4
JUN												
29...	11	0	.1	.0	.1	7	4	3	0	0	0	.0
JUL												
27...	14	0	.1	.0	.1	10	7	3	0	0	0	1.0
AUG												
29...	4	0	.1	.1	.0	2	2	0	0	0	0	1.0

DATE	ZINC, TOTAL REC OV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE REC OV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL REC OV- GRAVI- METRIC (MG/L)	PCH, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
NOV												
02...	40	20	20	5.2	.00	1	0	.0	.00	.000	.0	.001
27...	280	170	110	5.1	.00	1	0	.0	.00	.000	.0	.000
JAN												
05...	100	60	40	17	.00	2	--	.0	--	.000	.0	.000
FEB												
06...	90	60	30	14	.00	0	6	.0	--	.000	.0	.000
MAR												
02...	30	20	10	11	.00	1	0	.0	--	.000	.0	.000
30...	110	70	40	14	.00	3	0	.0	.00	.000	.0	.000
APR												
27...	40	30	10	14	.00	2	0	.0	.00	.000	.0	.000
MAY												
30...	20	10	10	13	.00	2	0	.0	.00	.000	.0	.000
JUN												
29...	20	20	5	--	.00	3	2	.0	.00	.000	.0	.000
JUL												
27...	190	130	60	13	.00	8	0	.0	.00	.000	.0	.006
AUG												
29...	0	0	2	11	.00	2	0	.0	.00	.000	.0	.000

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
NOV												
02...	.004	.000	.00	.000	.007	.000	.00	.000	.000	.002	.00	.00
27...	.000	.001	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
JAN												
05...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.01	.00
FEB												
06...	.004	.011	.01	.002	.000	.001	.00	.000	.000	.004	.00	.00
MAR												
02...	.007	.011	.00	.000	.000	.000	.00	.000	.000	.004	.00	.00
30...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR												
27...	.000	.013	.00	.007	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
30...	.000	.000	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
29...	.000	.000	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00
JUL												
27...	.000	.008	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG												
29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV												
02...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	7.59	.174
27...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.81	.000
JAN												
05...	.01	.00	.00	.00	.00	.0	.00	.27	.01	.01	1.84	.000
FEB												
06...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000
MAR												
02...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	.000	.000
30...	.00	.00	.00	.00	.00	.0	.00	.05	.00	.00	10.3	.000
APR												
27...	.00	.00	.00	.00	.00	.0	.00	.11	.01	.03	2.80	.000
MAY												
30...	.00	.00	.00	.00	.00	.0	.00	.11	.01	.00	--	--
JUN												
29...	.00	.00	.00	.00	.00	.0	.00	.18	.03	.00	18.1	.000
JUL												
27...	.00	.00	.00	.00	.00	.0	.00	.09	.02	.00	.000	.000
AUG												
29...	.00	.00	.00	.00	.00	.0	.00	.21	.01	.00	12.2	.000

MISSISSIPPI RIVER DELTA

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.

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good below 1,700 cfs and poor above. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow 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 (station 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.--20 years, 508 ft³/s (14.39 m³/s), 367,800 acre-ft/yr (453 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, 2,760 ft³/s (78.15 m³/s) Apr. 22; gage height, 14.70 ft (4.481 m), affected by backwater; minimum, 96 ft³/s (2.72 m³/s) July 12, gage height, 9.79 ft (2.984 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218	150	281	281	900	1030	684	1180	1470	219	761	317
2	206	150	309	341	833	1340	713	1050	1370	218	750	355
3	206	160	356	555	830	2010	866	941	1250	206	751	377
4	218	160	519	650	885	1260	839	888	1150	170	722	362
5	212	165	443	620	1150	1070	869	833	1040	160	699	375
6	200	185	433	598	1840	979	881	801	905	165	667	392
7	195	180	458	722	1550	924	871	781	801	193	623	366
8	190	185	530	686	1370	894	860	764	748	212	574	348
9	190	195	872	714	1260	859	850	741	715	216	538	330
10	165	200	896	698	1140	875	814	723	693	156	501	329
11	160	206	821	657	1030	860	751	715	669	133	460	329
12	160	218	656	599	925	808	821	737	688	102	420	342
13	170	212	548	619	872	768	825	712	643	200	404	357
14	165	224	541	686	845	746	791	714	613	297	407	369
15	155	236	532	704	808	706	764	719	592	310	398	369
16	155	248	533	671	781	696	746	714	533	378	366	379
17	150	260	508	609	725	696	734	702	447	415	352	395
18	145	267	463	590	769	706	720	685	398	505	336	390
19	140	267	430	593	733	709	712	672	368	585	323	380
20	150	274	400	805	737	713	708	646	359	599	322	855
21	140	260	382	867	724	724	2230	612	346	607	329	996
22	145	260	352	853	793	835	2650	623	324	647	357	938
23	140	236	336	1420	1430	950	2240	621	302	633	391	865
24	145	236	323	1220	1690	824	2060	554	296	700	307	810
25	140	224	303	1020	1450	773	1840	490	288	911	358	815
26	165	212	293	915	1350	752	1860	454	266	1340	466	808
27	145	544	283	854	1240	739	1960	432	262	1250	389	784
28	140	354	274	819	1130	714	1640	408	252	1160	387	789
29	145	281	268	803	---	692	1450	369	238	1060	389	789
30	150	270	262	921	---	696	1310	1120	228	916	302	747
31	155	---	252	970	---	706	---	1760	---	791	291	---
TOTAL	5160	7019	13857	23060	29790	27054	35059	23161	18254	15454	14340	16057
MEAN	166	234	447	744	1064	873	1169	747	608	499	463	535
MAX	218	544	896	1420	1840	2010	2650	1760	1470	1340	761	996
MIN	140	150	252	281	724	692	684	369	228	102	291	317
AC-FT	10230	13920	27490	45740	59090	53560	69540	45940	36210	30650	28440	31850
CAL YR 1978 TOTAL	165457		MEAN 453	MAX 2080	MIN 92	AC-FT 328200						
WTR YR 1979 TOTAL	228265		MEAN 625	MAX 2650	MIN 102	AC-FT 452800						

MISSISSIPPI RIVER DELTA

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07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.03	9.90	10.13	10.13	10.84	10.97	10.61	11.09	11.33	10.03	10.70	10.18
2	10.01	9.90	10.17	10.21	10.77	11.17	10.65	10.98	11.25	10.03	10.69	10.23
3	10.01	9.92	10.23	10.47	10.77	11.71	10.81	10.88	11.16	10.01	10.69	10.26
4	10.03	9.92	10.43	10.58	10.82	11.16	10.78	10.83	11.07	9.94	10.66	10.24
5	10.02	9.93	10.34	10.55	11.07	11.00	10.81	10.77	10.97	9.92	10.63	10.26
6	10.00	9.97	10.33	10.52	11.61	10.92	10.82	10.74	10.84	9.93	10.60	10.28
7	9.99	9.96	10.36	10.66	11.40	10.86	10.81	10.72	10.74	9.98	10.55	10.24
8	9.98	9.97	10.44	10.62	11.26	10.83	10.80	10.70	10.68	10.02	10.50	10.22
9	9.98	9.99	10.81	10.64	11.17	10.80	10.79	10.68	10.65	10.01	10.45	10.20
10	9.93	10.00	10.84	10.63	11.06	10.81	10.75	10.66	10.63	9.91	10.41	10.20
11	9.92	10.01	10.76	10.59	10.96	10.80	10.69	10.65	10.60	9.86	10.36	10.20
12	9.92	10.03	10.58	10.52	10.86	10.75	10.76	10.67	10.62	9.80	10.31	10.21
13	9.94	10.02	10.47	10.55	10.81	10.71	10.76	10.65	10.57	10.12	10.29	10.23
14	9.93	10.04	10.46	10.62	10.78	10.68	10.73	10.65	10.54	10.15	10.30	10.25
15	9.91	10.06	10.45	10.64	10.75	10.64	10.70	10.65	10.52	10.17	10.29	10.15
16	9.91	10.08	10.45	10.60	10.71	10.63	10.68	10.65	10.45	10.26	10.24	10.26
17	9.90	10.10	10.42	10.53	10.66	10.63	10.67	10.63	10.35	10.31	10.23	10.28
18	9.89	10.11	10.37	10.51	10.71	10.64	10.65	10.62	10.29	10.42	10.20	10.28
19	9.88	10.11	10.33	10.52	10.67	10.64	10.65	10.60	10.25	10.51	10.19	10.26
20	9.90	10.12	10.29	10.74	10.67	10.65	10.64	10.57	10.24	10.52	10.19	10.77
21	9.88	10.10	10.27	10.81	10.66	10.66	12.41	10.54	10.22	10.53	10.20	10.93
22	9.89	10.10	10.23	10.79	10.72	10.77	14.03	10.55	10.19	10.57	10.23	10.88
23	9.88	10.06	10.21	11.25	11.30	10.89	12.92	10.55	10.16	10.56	10.28	10.80
24	9.89	10.06	10.19	11.13	11.50	10.76	11.99	10.47	10.15	10.63	10.17	10.75
25	9.88	10.04	10.16	10.95	11.32	10.71	11.63	10.40	10.14	10.84	10.23	10.75
26	9.93	10.02	10.15	10.85	11.24	10.69	11.65	10.36	10.11	11.24	10.37	10.75
27	9.89	10.46	10.13	10.79	11.15	10.67	11.80	10.33	10.10	11.16	10.27	10.72
28	9.88	10.23	10.12	10.76	11.06	10.65	11.47	10.30	10.09	11.08	10.27	10.73
29	9.89	10.13	10.11	10.74	---	10.62	11.32	10.25	10.06	10.99	10.27	10.73
30	9.90	10.11	10.10	10.86	---	10.63	11.21	10.95	10.05	10.85	10.16	10.68
31	9.91	---	10.09	10.91	---	10.64	---	11.55	---	10.73	10.14	---
MEAN	9.93	10.05	10.34	10.67	10.98	10.80	11.17	10.67	10.50	10.36	10.36	10.43
MAX	10.03	10.46	10.84	11.25	11.61	11.71	14.03	11.55	11.33	11.24	10.70	10.93
MIN	9.88	9.90	10.09	10.13	10.66	10.62	10.61	10.25	10.05	9.80	10.14	10.15

MISSISSIPPI RIVER DELTA

07385700 BAYOU TEGHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 487 micromhos Aug. 15, 1978; minimum, 49 micromhos Apr. 24, 1977.

WATER TEMPERATURES: Maximum, 33.5°C June 27, 1978; minimum, 3.5°C Jan. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 417 micromhos July 21; minimum, 63 micromhos Apr. 22.

WATER TEMPERATURES: Maximum, 32.0°C July 5; minimum, 5.0°C Jan. 9.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)
OCT							
30...	1645	--	282	7.0	23.5	30	10
NOV							
21...	1400	--	204	7.1	20.0	45	25
DEC							
07...	1230	458	268	7.2	18.0	40	2
JAN							
09...	1300	715	126	6.9	7.0	100	60
FEB							
13...	1245	880	91	6.7	9.0	100	55
MAR							
20...	1200	715	108	7.0	19.0	120	55
APR							
06...	1045	880	155	6.9	17.0	120	55
MAY							
03...	1200	930	113	6.7	21.5	120	60
JUN							
08...	1430	751	127	6.8	28.5	120	85
JUL							
09...	1130	190	397	7.3	30.0	20	30
AUG							
09...	1730	544	193	7.4	30.0	80	45
SEP							
04...	1315	378	261	7.4	30.0	60	40

DATE	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)
OCT						
30...	6.2	3.9	540	K10	51	0
NOV						
21...	6.1	4.1	590	370	42	0
DEC						
07...	4.0	3.4	K400	6200	72	0
JAN						
09...	9.4	2.1	1000	8200	32	1
FEB						
13...	8.4	.6	K80	840	29	2
MAR						
20...	6.5	1.8	720	620	31	3
APR						
06...	6.5	1.5	400	230	49	1
MAY						
03...	5.3	1.5	K240	4800	40	1
JUN						
08...	3.8	4.4	K200	--	36	5
JUL						
04...	4.8	1.7	220	K130	130	5
AUG						
09...	3.7	3.2	K90	--	79	5
SEP						
04...	6.1	3.9	220	480	78	0

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

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
OCT 30...	13	4.5	34	3.4	72	0	59	7.9	48	.1	14
NOV 21...	11	3.5	22	3.0	55	0	45	4.6	28	.1	11
DEC 07...	17	7.2	20	3.7	90	0	74	7.6	24	.2	8.3
JAN 09...	7.6	3.2	9.7	3.0	38	0	31	7.6	14	.1	11
FEB 13...	7.0	2.8	9.0	1.9	33	0	27	7.1	8.3	.1	6.1
MAR 20...	7.4	3.0	8.9	1.8	34	0	28	4.2	13	.1	5.8
APR 06...	13	4.0	11	2.7	58	0	48	11	16	.2	7.0
MAY 03...	9.5	4.0	6.2	2.5	47	0	39	5.4	7.6	.1	6.8
JUN 08...	8.7	3.4	10	2.6	38	0	31	11	12	.1	7.0
JUL 09...	30	13	36	3.2	150	0	123	19	43	.2	15
AUG 09...	22	5.8	12	3.2	90	0	74	12	17	.2	13
SEP 04...	19	7.3	19	3.6	110	0	90	8.2	21	.1	16

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 30...	166	.02	.15	.96	.90	.83	.68	8.2	--	--
NOV 21...	--	.03	.11	.97	.96	.38	.27	7.1	--	--
DEC 07...	150	.19	.12	.62	.49	.50	.36	7.6	--	--
JAN 09...	83	.44	.15	.95	.55	.36	.23	--	9.1	1.7
FEB 13...	67	.17	.15	.68	.62	.28	.14	--	--	--
MAR 20...	69	.10	.16	.75	.75	.21	.13	12	--	--
APR 06...	106	.33	.16	.80	--	.29	.19	--	12	1.6
MAY 03...	92	.19	.16	.97	.92	.34	.04	11	--	--
JUN 08...	78	.58	.18	1.2	.03	.40	.13	--	6.7	1.8
JUL 09...	232	.26	.18	1.3	.79	.44	.23	--	--	--
AUG 09...	128	.36	.04	.70	.70	.36	.01	12	--	--
SEP 04...	161	.20	.27	1.4	1.2	.31	.22	12	--	--

MISSISSIPPI RIVER DELTA

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)
OCT 30...	6	4	200	100	0	0	0	0	0
JAN 09...	2	2	200	100	1	1	0	0	2
JUN 08...	3	2	200	0	2	2	10	0	2
JUL 09...	5	3	100	100	1	1	0	0	5

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 30...	0	32	18	770	120	5	1	180	100
JAN 09...	2	20	15	2800	140	6	3	40	20
JUN 08...	2	21	4	5700	100	18	1	180	40
JUL 09...	3	19	5	1000	10	12	1	150	30

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 30...	.1	.0	1	1	0	0	10	0
JAN 09...	.0	.0	0	0	0	0	20	10
JUN 08...	.2	.2	0	0	0	0	40	10
JUL 09...	.1	.0	0	0	0	0	40	8

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 30...	--	51	--	90
NOV 21...	86	40	--	92
DEC 07...	--	40	49	95
JAN 09...	--	58	112	72
FEB 13...	--	67	159	82
MAR 20...	240	77	149	74
APR 06...	--	45	107	95
MAY 03...	86	118	296	91
JUN 08...	--	134	272	98
JUL 09...	7600	79	41	96
AUG 09...	--	78	115	91
SEP 04...	--	70	71	97

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	268	178	181	104	88	122	97	148	265	131	252
2	207	238	199	185	102	88	118	104	77	277	138	276
3	189	243	205	192	---	66	129	110	67	288	144	261
4	240	258	150	206	---	68	128	122	72	296	145	251
5	204	306	175	165	100	92	152	119	101	338	146	262
6	199	304	185	154	---	97	140	182	123	367	169	296
7	194	283	242	159	---	99	122	131	108	373	190	326
8	226	246	291	130	82	102	112	118	118	358	190	271
9	204	214	225	126	78	106	119	126	119	401	194	262
10	223	189	242	124	81	104	123	135	---	---	193	217
11	211	---	198	142	82	102	124	135	127	---	215	224
12	208	190	121	143	86	102	125	213	158	---	203	197
13	211	186	126	137	88	104	126	---	185	270	208	210
14	218	171	146	---	96	108	118	126	180	273	204	243
15	---	171	152	---	96	105	---	145	155	236	209	295
16	235	162	170	112	100	104	126	151	199	250	225	350
17	293	172	160	110	103	109	137	154	178	272	240	213
18	281	191	156	120	101	106	135	189	201	266	263	217
19	218	195	161	117	105	102	137	---	248	209	288	162
20	221	177	174	124	109	105	134	---	230	303	278	139
21	223	176	183	120	111	103	98	218	258	417	256	114
22	223	180	186	111	110	129	63	200	242	340	267	141
23	233	187	178	111	---	115	76	189	---	258	266	110
24	211	175	179	---	89	120	78	196	257	186	267	115
25	237	183	172	---	90	127	72	195	235	188	266	105
26	265	189	168	106	83	140	79	206	234	185	266	95
27	292	179	169	---	86	145	82	218	257	127	229	102
28	357	161	179	101	85	153	80	---	265	135	172	97
29	344	169	176	100	---	148	---	241	256	120	219	104
30	282	199	194	105	---	139	89	250	268	118	238	80
31	300	---	175	105	---	141	---	158	---	135	243	---
MONTH	239	206	181	134	94	110	112	164	181	259	215	200
YEAR	MAX	417	MIN	63	MEAN	176						

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	22.5	15.0	13.5	5.5	14.5	20.5	21.5	23.0	29.5	29.5	28.0
2	28.0	22.5	16.5	9.0	8.0	18.0	22.5	22.0	23.0	29.0	29.5	28.0
3	24.5	21.5	20.0	8.0	---	18.0	19.0	23.0	30.0	30.0	30.0	27.5
4	25.0	20.0	15.5	8.0	---	16.0	19.5	23.5	24.5	29.0	31.0	28.5
5	25.0	20.0	13.5	9.0	8.5	15.5	19.0	21.0	25.0	32.0	29.0	28.0
6	26.5	20.0	14.5	11.0	---	16.5	20.0	21.5	28.5	31.0	29.5	28.5
7	26.0	19.5	20.0	11.0	---	17.5	20.5	23.0	26.5	30.0	30.0	29.0
8	26.0	16.5	22.0	10.0	8.5	15.0	20.5	24.0	28.5	31.5	29.0	27.0
9	26.5	---	13.5	5.0	7.0	15.5	20.5	24.5	28.0	28.5	29.0	26.5
10	20.5	19.0	12.5	8.0	6.5	12.0	20.5	25.0	---	---	29.0	26.5
11	20.5	---	5.5	7.0	8.5	14.0	22.0	27.0	28.0	---	29.0	26.5
12	21.5	23.0	6.0	7.5	9.0	14.0	22.0	27.0	29.5	---	28.5	27.5
13	22.0	19.0	9.0	8.5	10.5	15.5	22.5	---	26.0	28.5	28.5	26.5
14	24.0	19.0	11.5	---	12.5	17.5	22.5	26.0	26.0	26.5	29.0	26.0
15	---	21.5	11.5	---	14.0	15.5	---	25.5	26.5	28.0	27.5	23.0
16	20.0	23.5	16.0	7.5	13.5	16.5	25.0	27.0	26.0	28.0	30.0	23.0
17	19.0	20.0	10.5	9.5	11.5	16.0	22.5	28.5	28.5	31.0	29.0	25.0
18	17.5	19.0	10.5	7.5	10.0	18.0	22.5	21.5	27.0	30.0	29.0	26.0
19	22.0	21.0	14.0	13.0	10.5	20.0	23.5	---	28.0	28.0	29.0	26.0
20	20.0	17.5	19.0	14.0	11.5	19.0	22.5	---	28.0	28.5	31.0	25.5
21	19.0	17.0	14.5	10.5	12.0	18.5	19.0	25.0	28.0	28.0	28.0	24.0
22	22.5	18.0	14.5	11.5	19.0	20.0	19.5	25.0	30.0	28.0	29.0	22.5
23	20.5	19.0	15.0	13.0	---	18.0	23.5	24.5	---	28.0	28.0	22.5
24	20.0	20.0	14.0	---	15.5	16.5	21.5	26.5	30.0	27.5	29.0	23.0
25	21.5	19.0	12.0	---	11.0	16.5	22.5	26.0	32.0	28.0	28.0	23.0
26	21.0	20.5	14.5	9.0	12.0	17.0	23.0	25.0	27.5	27.5	27.0	22.5
27	21.0	20.0	11.5	---	11.5	18.0	23.5	26.0	28.0	27.0	29.5	22.5
28	20.0	16.0	11.5	8.5	14.0	19.0	23.0	---	28.0	28.0	26.5	23.5
29	20.5	16.0	12.0	7.0	---	19.5	---	25.5	29.0	28.0	27.5	23.0
30	25.0	16.5	13.5	7.5	---	22.0	23.0	23.0	29.0	28.5	28.5	25.5
31	23.0	---	17.0	6.0	---	22.0	---	21.5	---	29.0	28.5	---
MONTH	22.5	19.5	14.0	9.0	11.0	17.0	21.5	24.5	27.5	29.0	29.0	25.5
YEAR	MAX	32.0	MIN	5.0	MEAN	21.0						

MISSISSIPPI RIVER DELTA

279

07385700 BAYOU TEGHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	NOV 21,78 1400	MAR 25,79 0000	MAY 3,79 1200	JUL 9,79 1130				
TOTAL CELLS/ML	86	240	86	7600				
DIVERSITY: DIVISION	1.5	0.4	1.5	1.6				
..CLASS	1.5	0.4	1.5	1.6				
...ORDER	1.9	1.0	1.5	2.1				
....FAMILY	1.9	2.4	1.5	2.6				
.....GENUS	1.9	2.4	1.5	2.9				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....MICRACITINIAEAE								
.....GULENKINIA	--	-	--	-	--	-	63	1
....OOCYSTACEAE								
.....ANKISTROUESMUS	--	-	--	-	--	-	*	0
....KIRCHNERIELLA	--	-	--	-	43#	50	--	-
....SELENASTRUM	--	-	--	-	--	-	95	1
....SCENEDESMACEAE								
.....CHUCIGENIA	--	-	--	-	--	-	130	2
....SCENEDESMUS	--	-	--	-	--	-	190	2
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CARTERIA	14#	17	--	-	--	-	1400#	19
...VOLVOCAEAE								
....EUDORINA	--	-	--	-	--	-	510	7
....PANDORINA	--	-	--	-	--	-	1000	13
CHRYSTOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
....COSCINODISCAEAE								
.....CYCLOTELLA	14#	17	40#	17	--	-	1900#	25
....MELUSIRA	--	-	--	-	--	-	160	2
..PENNALES								
...DIATOMACEAE								
....DIATOMA	--	-	40#	17	--	-	--	-
...FRAGILARIACEAE								
....SYNEDRA	--	-	20	8	--	-	--	-
...NAVICULACEAE								
....NAVICULA	--	-	81#	33	--	-	--	-
...NITZSCHIAEAE								
....NITZSCHIA	29#	33	40#	17	29#	33	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOMONADACEAE								
.....CRYPTOMONAS	--	-	--	-	--	-	63	1
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....AGMENELLUM	--	-	--	-	--	-	510	7
....ANACYSTIS	29#	33	--	-	--	-	--	-
...HORMOGONALES								
....OSCILLATORIACEAE								
.....OSCILLATORIA	--	-	--	-	--	-	1400#	19
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
.....EUGLENA	--	-	--	-	14#	17	63	1
....TRACHELUMONAS	--	-	20	8	--	-	--	-

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

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

MISSISSIPPI RIVER DELTA

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 Breau 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 National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 150 ft (46 m) below control structure at same datum. Nov. 4, 1965, to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records fair. Total flow through control structure diverted from Bayou Teche. Diversions are for irrigation.

AVERAGE DISCHARGE.--20 years, 122 ft³/s (3.46 m³/s), 88,500 acre-ft/yr (109 hm³/s).

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 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	20	23	23	31	33	28	35	37	212	29	23
2	21	20	23	23	30	34	28	33	36	211	29	23
3	21	20	24	27	30	39	30	32	35	211	28	23
4	21	20	26	28	31	35	30	31	34	208	28	23
5	21	20	25	27	34	33	30	30	32	208	28	24
6	21	21	25	27	38	32	30	30	31	207	27	24
7	21	21	25	28	38	31	30	30	30	157	26	23
8	21	21	26	28	36	31	30	29	29	138	26	23
9	21	21	31	29	35	31	30	29	28	137	26	23
10	20	21	31	28	34	31	30	29	28	159	25	23
11	20	21	30	28	32	31	30	29	28	180	24	23
12	20	21	28	27	31	30	30	29	55	182	24	23
13	20	22	26	27	31	30	30	29	137	118	24	23
14	20	22	26	28	31	29	29	29	141	96	24	23
15	20	22	26	28	30	28	29	29	142	100	23	23
16	20	22	26	28	29	28	29	29	189	104	24	24
17	20	22	26	27	29	29	29	28	213	110	23	24
18	20	22	25	27	29	29	28	28	213	111	23	24
19	20	22	25	27	29	29	28	28	212	109	23	24
20	20	22	24	29	29	29	28	28	213	107	23	28
21	20	22	24	30	29	29	30	27	215	107	23	32
22	20	22	24	30	29	30	40	27	214	106	35	31
23	20	22	23	34	35	31	44	27	214	107	23	30
24	20	22	23	34	38	30	41	26	214	28	23	30
25	20	22	23	32	37	29	39	25	213	30	24	29
26	20	23	23	31	36	29	40	25	213	35	24	29
27	20	25	23	30	35	29	41	25	213	34	23	29
28	20	23	22	30	34	29	39	24	212	33	24	29
29	20	22	22	30	---	29	38	39	212	32	23	29
30	20	22	22	31	---	28	36	59	212	30	23	28
31	20	---	22	32	---	28	---	38	---	29	22	---
TOTAL	630	648	772	888	910	943	974	936	3995	3636	774	767
MEAN	20.3	21.6	24.9	28.6	32.5	30.4	32.5	30.2	133	117	25.0	25.6
MAX	22	25	31	34	38	39	44	59	215	212	35	32
MIN	20	20	22	23	29	28	28	24	28	28	22	23
AC-FT	1250	1290	1530	1760	1800	1870	1930	1860	7920	7210	1540	1520
CAL YR 1978	TOTAL	28656	MEAN 78.5	MAX 280	MIN 20	AC-FT	56840					
WTR YR 1979	TOTAL	15873	MEAN 43.5	MAX 215	MIN 20	AC-FT	31480					

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", between lots 76 and 142, T.9 S., R.5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street, at Lafayette, 0.6 mi (1.0 km) north of Lafayette Airport, and 1.4 mi (2.3 km) upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.53 ft (0.466 m) below mean low Gulf level or 2.31 ft (0.704 m) below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--Records fair above 1,000 ft³/s (28 m³/s) and poor below. Discharges are affected by tide at all stages; diversions above and below station for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	-84	---	83	2010	2790	85	4270	2150	131	428	92
2	6.0	-55	---	---	1800	1130	269	4120	2980	161	390	55
3	-22	-103	---	---	1570	1840	685	3950	3040	168	357	91
4	-16	-93	---	72	1660	2960	971	3750	2990	175	322	73
5	-43	-78	---	115	1100	3610	944	3610	2900	136	296	95
6	-10	-137	165	56	-1520	3560	803	3430	2790	104	268	175
7	-73	-24	114	302	1290	3350	596	3230	2650	132	262	71
8	-92	-108	141	818	2980	3140	513	3020	2460	237	267	62
9	-91	-143	1150	548	3080	2940	507	2800	2220	329	267	35
10	-59	-144	1610	306	3000	2750	422	2580	1950	157	255	-28
11	-176	-58	1470	282	2890	2560	475	2380	1660	278	233	-123
12	-112	-27	1160	197	2740	2320	816	2200	1330	116	212	-115
13	-64	-104	792	167	2560	2070	1000	1950	1180	273	215	-137
14	21	-79	575	383	2370	1810	891	1650	1010	466	236	-97
15	-213	-87	306	303	2130	1550	591	1400	818	513	160	-37
16	-57	-74	320	108	1870	1310	425	1170	702	454	26	-119
17	-26	13	361	173	1610	1020	300	951	611	240	19	-85
18	-49	-90	139	149	1490	787	303	751	468	227	36	-96
19	-47	-70	172	79	1450	691	252	545	386	260	78	-79
20	-68	-68	84	-650	1180	779	256	460	423	249	44	-211
21	-45	-95	39	1360	1010	738	1320	274	382	265	112	-135
22	-83	---	-84	1150	385	174	-1820	252	325	271	286	1930
23	-47	---	-40	-316	-730	1460	---	674	305	302	423	1950
24	-67	---	71	607	176	1540	4320	437	328	470	-40	1630
25	-192	---	-123	2360	2760	1200	4580	-71	394	665	506	1330
26	2.0	---	-45	2330	3020	907	---	57	312	738	686	1040
27	-58	---	-32	2170	2960	692	---	93	264	659	326	839
28	-156	---	-58	1930	2900	480	4660	40	173	578	210	652
29	-93	---	-60	1660	---	224	4560	172	283	521	68	580
30	-71	---	-55	1280	---	124	4430	-324	272	481	-60	484
31	-93	---	-28	1650	---	296	---	-1450	---	461	-77	---
TOTAL	-2027.0	---	---	---	49741	50802	---	48371	37756	10217	6811	9922
MEAN	-65.4	---	---	---	1776	1639	---	1560	1259	330	220	331
MAX	67	---	---	---	3080	3610	---	4270	3040	738	686	1950
MIN	-213	---	---	---	-1520	124	---	-1450	173	104	-77	-211

MISSISSIPPI RIVER DELTA

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.06	3.99	---	4.20	8.13	9.96	4.81	12.77	10.88	3.45	7.25	5.09
2	4.08	3.31	---	2.13	7.65	10.52	5.14	12.52	10.64	3.66	6.68	4.73
3	4.05	3.38	---	1.62	7.17	13.00	5.96	12.23	10.50	3.74	6.18	4.61
4	3.99	3.44	---	3.55	7.43	12.32	5.48	12.05	10.36	3.71	5.65	4.38
5	4.08	3.55	---	3.86	8.75	11.88	5.14	11.66	10.18	3.58	5.22	4.20
6	3.78	4.19	4.41	3.57	11.09	11.51	5.01	11.22	9.96	3.58	4.73	4.01
7	3.36	3.48	4.61	5.46	11.16	11.09	5.08	10.81	9.69	3.93	4.63	3.99
8	3.60	2.72	4.60	4.68	10.80	10.67	5.06	10.38	9.27	4.06	4.71	4.04
9	3.71	3.38	7.22	3.70	10.58	10.26	4.69	9.95	8.68	4.33	4.71	3.67
10	3.60	3.98	7.18	4.09	10.37	9.89	4.53	9.53	8.03	4.27	4.49	3.83
11	3.76	4.10	6.71	4.15	10.15	9.49	6.09	9.06	7.16	4.04	4.10	4.31
12	4.19	3.76	5.76	3.83	9.86	8.91	7.37	8.60	6.18	3.88	3.68	4.40
13	4.26	4.07	4.86	4.26	9.49	8.28	6.49	7.90	6.07	4.80	3.74	4.22
14	3.25	4.25	4.20	3.28	9.08	7.58	5.44	7.10	5.62	5.39	4.14	4.48
15	3.19	4.14	4.11	2.45	8.47	6.88	4.85	6.47	5.40	4.89	3.90	3.65
16	3.90	4.32	4.34	3.68	7.57	6.36	4.65	5.86	5.07	4.22	3.82	3.48
17	3.37	4.18	3.92	3.77	7.00	5.96	4.67	5.39	4.93	3.54	3.87	4.27
18	3.58	3.19	3.88	3.54	6.84	5.90	4.45	5.03	4.81	3.98	3.85	4.76
19	3.56	3.47	3.97	3.86	6.58	5.72	4.51	4.96	4.77	4.59	4.10	4.82
20	3.49	3.53	3.87	5.51	6.18	5.52	4.54	4.60	4.56	4.38	4.28	7.94
21	3.52	3.33	3.56	6.41	5.88	5.12	10.73	4.39	4.33	4.68	4.28	9.69
22	3.57	---	3.15	5.67	6.07	5.69	13.99	4.66	4.09	4.78	4.72	8.77
23	3.71	---	3.70	8.34	10.60	7.51	14.01	5.22	4.19	5.29	4.83	8.18
24	3.45	---	3.90	10.07	11.19	6.79	13.68	3.86	4.12	7.82	4.76	7.35
25	3.72	---	2.46	9.32	10.71	5.68	13.42	3.36	3.96	10.38	5.37	6.43
26	4.00	---	3.56	9.03	10.44	5.02	13.51	3.85	3.86	11.22	5.47	5.90
27	3.28	---	3.33	8.61	10.31	4.96	13.89	3.93	3.94	10.29	4.68	5.57
28	3.08	---	3.71	7.91	10.18	4.78	13.49	3.79	3.91	9.35	4.61	5.27
29	3.25	---	4.16	7.17	---	5.09	13.25	4.30	4.00	8.56	4.66	4.88
30	3.46	---	4.39	7.49	---	5.25	13.03	9.00	3.64	8.04	4.75	4.46
31	3.83	---	4.30	8.53	---	5.02	---	11.79	---	7.74	5.21	---
MEAN	3.67	---	---	5.28	8.92	7.83	7.90	7.62	6.43	5.49	4.74	5.18
MAX	4.26	---	---	10.07	11.19	13.00	14.01	12.77	10.88	11.22	7.25	9.69
MIN	3.08	2.72	2.46	1.62	5.88	4.78	4.45	3.36	3.64	3.45	3.68	3.48

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA

LOCATION.--Lat 30°09'45", long 92°03'20", between lots 68 and 69, T.10 S., R.4 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on State Highway 3073, 4.1 mi (6.6 km) downstream from Coulee Mine, 4.8 mi (7.7 km) southwest of Central School at Lafayette, and 7.8 mi (12.6 km) downstream from gaging station Vermilion River at Surrey Street, at Lafayette (station 07386880).

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 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 level, or 2.32 ft (0.707 m) below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage heights affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.74 ft (5.102 m) Apr. 21, 1977; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.97 ft (4.563 m) Apr. 22; minimum, 1.85 ft (0.564 m) Jan. 15.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.81	4.49	4.64	4.74	6.24	7.75	4.22	10.00	10.34	3.37	7.35	5.35
2	4.07	3.95	4.95	3.19	6.05	7.52	4.98	9.90	9.02	3.51	6.73	4.80
3	4.04	3.90	5.10	2.67	5.84	14.14	5.88	9.74	8.45	3.60	6.19	4.67
4	4.08	4.00	5.88	3.81	6.19	11.53	4.67	9.92	8.11	3.74	5.55	4.42
5	4.23	3.99	4.06	4.16	8.20	10.10	3.93	9.38	7.78	3.46	5.11	4.05
6	4.22	4.57	4.88	3.61	11.48	9.23	4.39	8.69	7.57	3.37	4.51	3.72
7	3.42	4.02	5.03	5.81	10.99	8.65	4.96	8.44	7.42	3.37	4.24	3.71
8	4.13	3.20	4.73	4.04	9.32	8.14	4.84	8.01	7.26	3.41	4.28	3.98
9	4.15	3.64	6.86	3.05	8.49	7.98	4.52	7.70	6.71	3.68	4.32	3.73
10	3.99	4.41	5.84	4.35	8.00	7.81	3.88	7.49	6.29	3.67	4.31	3.94
11	3.70	4.56	5.46	4.33	7.85	7.51	5.74	7.13	5.58	4.16	4.03	4.72
12	4.34	4.11	4.76	4.26	7.66	6.87	7.39	6.88	4.69	3.41	3.67	4.85
13	4.52	4.56	4.37	4.64	7.34	6.46	5.91	6.19	4.85	3.98	3.64	4.53
14	3.58	4.68	3.94	3.34	7.25	5.90	4.59	5.20	4.46	5.35	4.16	5.01
15	3.31	4.59	4.33	2.36	6.74	5.25	4.25	5.03	4.73	4.64	4.14	3.77
16	4.19	4.79	4.46	3.82	6.18	5.14	4.20	4.50	4.40	4.20	4.19	3.42
17	3.66	4.72	4.01	3.92	5.32	4.91	4.42	4.31	4.49	3.63	4.04	4.11
18	3.93	3.62	4.11	3.69	5.63	5.18	4.16	4.17	4.65	3.92	3.89	4.65
19	4.00	3.82	4.37	3.98	4.98	5.13	4.33	4.70	4.71	4.46	4.07	4.68
20	4.08	3.81	4.28	4.92	5.09	5.13	4.43	4.33	4.51	3.99	3.97	5.99
21	4.17	3.95	4.00	5.31	5.29	4.53	11.33	4.51	4.10	4.29	4.00	10.08
22	4.10	4.07	3.43	4.05	5.09	4.71	14.91	4.34	3.52	4.53	3.69	7.78
23	4.43	4.38	4.12	5.03	11.15	7.42	13.78	4.98	3.51	4.62	4.59	6.74
24	4.08	4.04	4.47	10.36	11.62	5.11	12.17	3.38	3.37	7.53	5.00	6.21
25	4.05	3.78	3.31	7.86	9.55	4.04	11.20	3.36	3.37	9.52	4.39	5.36
26	4.54	4.28	4.16	7.35	8.24	4.07	10.61	3.38	3.37	11.41	5.13	5.23
27	3.74	7.87	3.66	7.02	7.82	4.73	12.96	3.39	3.37	10.43	4.39	5.24
28	3.43	6.70	4.37	6.12	7.89	4.51	11.14	3.38	3.38	9.48	4.59	5.25
29	3.38	5.09	4.74	5.37	---	4.90	10.52	3.42	3.47	8.65	4.84	4.92
30	3.73	4.76	4.98	5.47	---	4.89	10.31	6.25	3.38	8.07	4.99	4.46
31	4.24	---	4.72	7.97	---	4.53	---	12.57	---	7.78	5.49	---
MEAN	3.98	4.41	4.58	4.86	7.55	6.57	7.15	6.28	5.36	5.27	4.63	4.98
MAX	4.54	7.87	6.86	10.36	11.62	14.14	14.91	12.57	10.34	11.41	7.35	10.08
MIN	3.31	3.20	3.31	2.36	4.98	4.04	3.88	3.36	3.37	3.37	3.64	3.42

CAL YR 1978 MEAN 4.48 MAX 14.54 MIN 1.78
WTR YR 1979 MEAN 5.45 MAX 14.91 MIN 2.36

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1971 to current year.

pH: October 1976 to current year.

WATER TEMPERATURES: October 1970 to current year.

DISSOLVED OXYGEN: November 1970 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1970.

REMARKS.--Upper limit of dissolved oxygen sensor is 15.0 mg/L.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,140 micromhos Sep. 25, 1972; minimum, 20 micromhos Sep. 6, 1973, Feb. 6, 1976.

pH: Maximum, 8.0 units June 6, Aug. 19, 1978; minimum, 5.7 units Apr. 23, 1977.

WATER TEMPERATURES: Maximum, 35.5°C June 27, 28, 1973; minimum, 3.5°C Jan. 12, Feb. 11, 1973.

DISSOLVED OXYGEN: Maximum, 15.0 mg/L Sep. 11, 12, 22, 1972; minimum, 0.0 mg/L several days in summer months during 1973-75, 1977-79.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 998 micromhos Nov. 20; minimum, 35 micromhos Apr. 22.

pH: Maximum, 7.6 units Jan. 24, Apr. 21; minimum, 5.9 units Apr. 28.

WATER TEMPERATURES: Maximum, 34.5°C July 5; minimum, 5.5°C Feb. 1.

DISSOLVED OXYGEN: Maximum, 10.8 mg/L Jan. 8; minimum, 0.0 mg/L several days during Aug.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	pH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
OCT 30...	1500	633	6.6	23.0	20	20	6.8	6.6	2300	1600	110	18
NOV 21...	1100	1210	7.6	20.0	20	8	2.6	5.4	K320	K240	160	21
DEC 07...	1115	284	7.1	17.0	80	80	4.5	2.6	K1700	3300	61	8
JAN 09...	1115	264	6.8	8.0	100	110	8.1	3.5	4800	9800	110	64
FEB 13...	1130	93	6.5	9.5	120	60	--	--	K2600	3000	26	3
MAR 20...	1045	210	7.0	19.5	60	50	4.1	3.7	2900	2300	60	14
APR 06...	0830	181	6.8	20.0	120	80	5.6	3.9	K1600	1100	46	0
MAY 03...	1100	86	6.2	21.5	80	60	3.1	2.9	320	1600	26	1
JUN 08...	0730	101	6.7	25.0	40	75	2.1	2.9	6400	210	34	7
JUL 09...	1315	310	6.9	30.0	30	30	3.5	3.3	500	760	99	9
AUG 09...	1600	196	6.6	29.0	50	25	2.7	3.1	K200	--	62	12
SEP 04...	1200	351	6.5	31.5	60	30	4.5	3.2	330	120	65	7

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

MISSISSIPPI RIVER DELTA

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07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 30...	29	10	78	58	3.2	--	7.3	116	0	95	36	110
NOV 21...	40	15	190	71	6.5	--	7.9	172	0	141	58	260
DEC 07...	16	5.1	30	49	1.7	--	4.9	65	0	53	22	39
JAN 09...	35	4.6	25	33	1.1	--	4.8	52	0	43	22	75
FEB 13...	6.0	2.7	7.4	36	.6	--	2.2	28	0	23	6.6	9.0
MAR 20...	16	4.9	16	35	.9	--	2.7	56	0	46	14	24
APR 06...	12	3.9	16	41	1.0	--	3.0	57	0	47	7.8	16
MAY 03...	6.9	2.1	5.9	31	.5	8.4	2.5	31	0	25	4.9	7.6
JUN 08...	10	2.2	7.4	30	.6	10	2.7	33	0	27	12	10
JUL 09...	24	9.6	27	33	1.0	27	3.3	110	0	90	15	29
AUG 04...	19	3.6	18	43	1.0	21	3.3	61	0	50	14	31
SEP 04...	17	5.4	40	55	2.2	44	4.2	70	0	57	14	60

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)
OCT 30...	.2	34	377	362	.51	.10	5.8	5.9	26	3.9	--	--
NOV 21...	.2	21	673	677	.92	.15	4.0	4.2	18	2.7	--	--
DEC 07...	.1	14	176	163	.24	.51	1.9	2.4	11	.76	--	--
JAN 09...	.1	11	214	203	.29	.93	1.9	2.8	13	.88	--	--
FEB 13...	.1	5.9	63	54	.09	.25	.90	1.2	5.1	.37	--	--
MAR 20...	.1	9.0	123	114	.17	.10	1.2	1.3	5.8	.36	--	--
APR 06...	.1	9.4	112	97	.15	.40	1.5	1.9	8.4	.57	1.7	1.7
MAY 03...	.1	4.8	66	50	.09	.06	1.0	1.1	4.7	.34	1.0	1.0
JUN 08...	.1	5.3	59	66	.08	.32	1.1	1.4	6.3	.36	1.1	1.1
JUL 09...	.2	14	183	177	.25	.70	1.9	2.6	12	.30	.92	.92
AUG 04...	.2	12	140	131	.19	.25	1.3	1.6	6.9	.50	--	1.5
SEP 04...	.1	17	203	192	.28	.71	.79	1.5	6.6	.76	--	2.3

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CH)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 30...	4	0	0	7	50	1	240	.1	20	12	.00	7
JAN 09...	2	1	0	13	180	4	80	--	10	16	--	--
APR 06...	2	1	0	8	280	0	100	.1	8	15	--	--
JUL 09...	3	1	0	2	20	1	300	.1	4	--	--	--

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)
OCT 30...	.0	25	.00	.00	.0	.0	54	.00	12	.00	11	.00
APR 06...	.0	--	.00	.00	--	.0	--	.00	--	.00	--	.00

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRI- N, TOTAL (UG/L)	ENDRI- N, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 30...	.3	.43	.0	.00	2.7	.00	.00	.0	.00	.0	.00
APR 06...	--	--	--	.00	--	.00	.00	--	--	--	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL EPOXIDE (UG/L)	HEPTA- CHLOR, TOTAL EPOXIDE MATH. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL THI- ON, TOTAL (UG/L)	METHYL THI- ON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 30...	.0	.00	.4	.03	.0	.00	.0	.02	.0	.00	.0
APR 06...	--	.00	--	.00	--	--	--	--	--	--	--

DATE	MIEX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 30...	.00	.00	.0	.00	0	0	.00	.0	.06	.01	.00
APR 06...	.00	--	--	.00	0	--	--	--	.10	.01	.00

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	357	283	---	---	325	262	512	408	143	85	---	---
2	368	317	613	526	352	311	---	---	105	97	---	---
3	430	322	614	574	399	342	---	---	149	103	---	---
4	425	407	609	580	420	212	---	---	185	115	---	---
5	419	384	600	584	479	248	440	361	167	108	---	---
6	431	380	596	524	305	250	439	259	129	81	112	93
7	407	386	586	542	326	293	279	211	86	60	111	104
8	418	380	551	529	420	315	413	182	71	67	104	99
9	420	381	548	516	376	208	277	210	76	70	100	96
10	437	405	557	532	236	99	250	178	89	74	121	89
11	438	401	558	543	132	98	248	181	86	82	131	103
12	439	414	554	534	165	132	209	192	92	82	128	94
13	450	423	555	538	196	167	228	203	110	88	107	96
14	546	439	562	546	202	184	313	191	129	106	127	107
15	527	453	617	552	247	195	221	188	140	115	149	117
16	502	429	639	546	300	193	224	189	174	126	151	120
17	539	469	960	565	299	165	216	185	---	---	163	125
18	527	483	---	---	381	261	247	211	---	---	164	138
19	529	495	---	---	372	261	280	231	---	---	168	152
20	536	497	998	882	298	261	396	241	---	---	269	167
21	536	497	963	848	372	282	387	163	---	---	238	188
22	535	503	970	890	343	315	167	152	---	---	302	200
23	---	---	977	881	357	321	163	77	---	---	302	168
24	---	---	904	782	395	343	96	65	---	---	212	158
25	---	---	842	765	379	338	115	93	---	---	204	166
26	---	---	873	155	384	349	105	94	---	---	203	182
27	---	---	499	131	431	336	130	100	---	---	212	187
28	---	---	450	206	440	332	129	117	---	---	227	209
29	---	---	258	211	481	339	121	115	---	---	256	224
30	---	---	267	256	493	359	149	112	---	---	267	228
31	---	---	---	---	515	482	180	97	---	---	276	255
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	455	258	91	85	83	61	343	300	150	129	---	---
2	463	261	91	88	74	63	408	321	158	148	---	---
3	262	185	90	86	80	75	437	381	168	151	---	---
4	604	229	142	83	89	80	471	428	164	155	---	---
5	377	219	96	81	99	89	489	434	168	154	---	---
6	208	180	90	85	100	90	477	451	186	169	---	---
7	211	169	92	84	108	97	481	313	202	186	---	---
8	228	165	88	82	115	103	430	211	218	196	---	---
9	192	164	97	83	121	110	574	315	280	204	---	---
10	189	185	104	93	120	114	786	541	395	246	---	---
11	220	194	112	103	126	108	516	226	474	253	459	373
12	257	123	130	111	152	123	320	254	410	279	451	373
13	269	129	141	124	151	135	302	186	386	277	473	443
14	244	188	140	117	153	143	625	162	356	310	515	438
15	204	187	148	124	170	134	697	238	330	193	520	435
16	218	200	170	144	199	170	324	218	346	314	483	436
17	236	212	174	156	205	186	281	231	416	353	479	444
18	267	222	221	175	244	203	338	250	430	390	488	446
19	263	233	210	198	278	240	267	160	413	218	597	472
20	276	235	239	212	307	267	533	249	376	239	589	211
21	237	58	288	243	302	270	528	327	513	217	211	92
22	55	35	380	245	309	265	403	181	552	118	182	157
23	60	47	278	136	342	273	393	219	476	108	194	167
24	63	57	568	234	332	256	214	131	487	337	224	195
25	75	63	265	235	358	262	181	96	581	72	251	227
26	114	72	272	251	334	265	113	71	384	117	251	224
27	77	64	333	267	334	285	116	84	428	125	230	200
28	79	72	371	308	409	292	92	82	253	197	228	198
29	83	79	387	336	335	290	97	92	248	223	231	195
30	88	81	422	80	318	282	111	97	---	---	242	198
31	---	---	120	69	---	---	129	111	---	---	---	---

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	27.5	25.5	---	---	16.0	15.0	16.5	13.5	6.0	5.5	---	---
2	27.0	25.5	23.0	22.0	17.0	15.5	---	---	7.0	6.0	---	---
3	27.0	25.5	23.5	21.5	18.5	17.0	---	---	9.0	7.0	---	---
4	27.0	26.0	23.0	21.5	17.5	15.5	11.0	9.5	9.5	8.5	---	---
5	27.5	26.0	23.0	21.5	15.5	14.5	11.0	10.5	10.0	9.0	---	---
6	26.5	25.0	22.5	21.0	15.5	14.0	11.5	10.0	9.0	8.0	16.0	15.0
7	25.0	24.0	21.5	20.0	17.5	15.5	15.0	11.5	8.5	7.5	15.5	15.0
8	24.0	23.0	20.0	19.0	17.5	16.5	12.0	9.5	8.0	7.5	15.5	14.5
9	24.0	22.5	19.5	18.0	16.0	12.5	9.0	8.5	8.0	7.5	15.5	14.5
10	24.5	22.5	20.0	18.0	12.5	9.0	8.5	8.0	8.0	7.0	16.0	15.0
11	24.0	22.5	20.5	19.0	9.0	8.0	8.0	7.5	8.0	7.0	15.5	14.5
12	25.0	23.0	21.5	20.0	9.0	8.0	8.5	7.5	9.0	7.5	16.0	14.5
13	25.0	23.5	21.5	20.0	9.5	8.5	9.5	8.0	10.0	8.5	16.0	15.5
14	24.0	23.0	22.0	20.5	9.5	9.0	8.5	7.0	11.5	10.0	17.0	16.0
15	23.5	22.0	22.0	21.5	10.5	9.5	8.0	6.5	11.5	10.0	17.0	16.0
16	23.0	21.5	22.5	21.5	12.5	10.5	8.5	7.5	10.0	9.0	16.0	15.5
17	22.0	21.0	22.5	21.5	12.5	11.5	9.5	8.5	---	---	17.0	15.0
18	21.5	20.0	21.5	20.0	13.0	11.0	11.0	9.0	---	---	18.0	16.5
19	21.5	20.0	20.0	19.0	14.5	13.0	12.5	11.0	---	---	19.5	17.5
20	22.5	20.5	20.0	19.0	16.5	14.5	16.0	12.5	---	---	20.5	19.0
21	23.0	20.5	19.5	18.5	16.0	15.0	14.5	12.0	---	---	20.0	19.5
22	23.5	21.0	20.0	19.0	15.5	14.5	13.0	11.5	---	---	20.0	19.0
23	---	---	20.5	19.0	14.5	14.0	12.0	11.0	---	---	20.0	19.0
24	---	---	21.5	20.0	15.0	14.5	11.5	10.0	---	---	19.0	18.0
25	---	---	21.0	20.5	14.5	13.5	10.0	8.0	---	---	18.0	17.0
26	---	---	21.0	19.0	14.0	13.0	8.0	8.0	---	---	18.5	17.0
27	---	---	19.0	19.0	13.5	12.5	9.0	8.0	---	---	19.5	17.0
28	---	---	18.5	17.0	13.0	12.0	8.5	7.5	---	---	20.0	18.0
29	---	---	17.0	16.0	13.5	12.5	8.0	7.5	---	---	21.0	19.5
30	---	---	16.0	15.5	14.5	13.0	7.5	7.0	---	---	21.5	20.0
31	---	---	---	---	16.0	14.5	7.0	6.5	---	---	21.5	20.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	22.5	21.0	21.0	20.0	21.5	20.5	33.0	30.0	28.5	27.5	---	---
2	22.5	22.0	21.5	20.5	23.0	21.5	33.5	30.5	28.0	27.5	---	---
3	20.5	18.0	22.0	21.0	23.5	22.5	33.5	30.5	29.0	27.5	---	---
4	21.0	19.0	21.5	21.5	24.0	23.0	34.0	31.0	28.5	28.0	---	---
5	21.0	19.5	21.5	21.0	24.5	23.5	34.5	31.5	29.0	27.5	---	---
6	21.0	19.0	21.5	20.5	25.0	24.0	33.0	31.5	29.5	28.0	---	---
7	20.0	19.0	22.0	21.0	25.5	24.5	31.5	29.5	30.0	28.5	---	---
8	20.5	19.5	22.5	21.5	26.0	25.0	30.5	27.5	29.5	29.0	---	---
9	20.5	20.0	23.0	22.0	26.5	25.0	30.5	30.0	29.5	28.0	---	---
10	21.0	20.0	24.0	22.5	26.5	25.5	30.0	29.5	29.0	28.0	---	---
11	22.0	21.0	24.5	23.5	26.0	25.5	29.0	28.0	31.0	28.0	27.5	27.0
12	22.0	21.5	25.0	24.0	25.5	24.5	31.0	28.5	31.0	28.5	28.0	26.5
13	23.5	22.0	24.0	23.0	25.5	24.0	29.5	27.0	30.5	29.0	28.0	27.0
14	24.0	22.5	23.5	22.5	26.5	24.5	29.5	25.5	30.0	29.0	27.5	26.5
15	24.5	23.0	24.0	22.5	27.0	25.5	29.5	28.0	31.0	26.5	26.5	25.5
16	25.5	23.0	25.0	23.0	27.5	25.5	30.0	28.0	30.5	28.5	25.5	24.5
17	24.5	23.5	25.5	24.0	28.5	26.0	31.0	28.5	30.5	29.0	25.5	25.0
18	25.0	23.5	26.0	24.5	29.0	27.0	31.5	29.5	30.5	29.0	26.0	25.0
19	24.5	23.5	26.5	24.5	29.5	28.0	30.0	27.5	29.5	27.5	25.5	25.5
20	24.0	23.5	26.5	25.0	29.5	28.0	29.5	28.5	29.5	27.0	25.5	24.5
21	23.5	20.0	26.5	25.5	29.5	28.5	29.0	27.5	29.0	26.5	25.0	24.5
22	20.0	19.0	26.0	24.5	31.0	28.5	29.5	26.5	28.5	25.5	24.5	23.5
23	22.0	20.0	26.0	22.5	31.5	28.5	29.0	28.0	28.0	25.5	24.0	23.0
24	21.5	20.0	25.5	24.0	30.0	28.5	28.5	26.5	28.5	27.5	23.5	22.5
25	22.5	21.0	26.0	24.0	31.0	28.0	27.0	25.5	28.0	25.0	23.0	22.0
26	22.0	21.0	26.0	23.5	31.5	29.0	26.0	25.5	27.5	25.5	23.0	22.0
27	22.0	21.0	26.0	24.0	31.5	29.0	27.0	26.0	28.0	25.5	23.5	22.0
28	22.0	21.0	27.0	24.5	31.5	29.0	27.5	26.5	29.0	26.5	24.0	22.5
29	21.5	20.0	26.0	25.0	32.0	29.5	28.0	27.0	29.5	27.0	24.5	23.0
30	21.0	20.0	25.0	20.0	31.0	30.0	28.5	27.5	---	---	25.0	23.5
31	---	---	21.0	20.0	---	---	28.5	27.5	---	---	---	---

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

DISSOLVED OXYGEN (DO), MG/L. WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1					---	---	---	---	6.9	6.2	---	---
2					---	---	---	---	6.2	5.4	---	---
3					---	---	---	---	5.4	4.7	---	---
4					---	---	---	---	5.0	4.6	---	---
5					---	---	9.0	5.8	5.1	4.7	---	---
6					---	---	9.8	9.0	5.5	5.1	5.3	5.0
7					---	---	9.5	5.9	---	---	5.0	4.9
8					---	---	10.8	8.5	---	---	5.0	4.8
9					---	---	10.0	9.5	---	---	5.0	4.8
10					9.7	6.9	9.9	9.1	---	---	5.0	4.8
11					9.8	9.2	10.2	9.7	---	---	5.1	5.0
12					9.1	7.9	9.6	8.7	---	---	5.1	4.6
13					7.8	7.4	8.7	7.8	---	---	4.8	4.5
14					7.6	7.2	8.7	8.1	---	---	4.6	4.4
15					---	---	8.4	7.6	---	---	4.9	4.6
16					---	---	---	---	---	---	5.0	4.6
17					---	---	---	---	---	---	5.1	4.5
18					---	---	---	---	---	---	5.0	4.8
19					---	---	---	---	---	---	4.7	4.1
20					---	---	7.1	3.7	---	---	4.4	3.6
21					---	---	7.8	4.8	---	---	3.9	3.5
22					---	---	5.1	4.9	---	---	4.6	3.7
23					---	---	7.8	5.0	---	---	5.2	4.2
24					---	---	7.7	6.3	---	---	5.1	4.4
25					---	---	6.6	6.3	---	---	4.7	4.3
26					---	---	6.3	5.7	---	---	4.6	4.2
27					---	---	5.6	5.1	---	---	4.2	3.8
28					---	---	5.3	5.1	---	---	4.0	3.6
29					---	---	5.1	5.0	---	---	4.0	3.1
30					---	---	6.3	5.0	---	---	3.8	3.0
31					---	---	6.9	6.1	---	---	3.4	2.9
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	3.4	2.9	1.9	1.7	---	---	---	---	2.0	1.6	---	---
2	3.6	2.4	---	---	---	---	---	---	1.6	1.2	---	---
3	5.9	3.6	---	---	---	---	---	---	1.6	1.3	---	---
4	4.4	3.7	---	---	---	---	---	---	1.7	1.3	---	---
5	4.6	3.8	---	---	---	---	---	---	1.4	1.1	---	---
6	4.1	3.7	---	---	2.8	2.6	---	---	1.5	1.2	---	---
7	4.4	3.4	---	---	2.6	2.1	---	---	1.5	1.2	---	---
8	4.7	4.3	---	---	2.1	1.8	---	---	1.4	1.1	---	---
9	4.7	4.1	---	---	1.9	1.6	---	---	1.4	.9	---	---
10	4.3	3.4	---	---	1.6	1.4	---	---	1.6	.7	---	---
11	4.1	3.2	---	---	1.8	1.4	---	---	1.4	.1	1.5	.2
12	4.6	2.8	---	---	2.0	1.4	---	---	1.9	.6	2.2	.4
13	3.9	2.1	---	---	1.9	1.5	---	---	1.4	.2	2.3	.3
14	2.3	2.0	---	---	2.0	1.7	---	---	.9	.0	1.7	.2
15	2.1	1.9	---	---	1.9	1.5	---	---	1.7	.0	1.8	.2
16	2.5	1.5	---	---	1.9	1.7	---	---	1.6	.0	2.6	.3
17	1.7	.9	2.0	1.4	1.9	1.6	---	---	1.5	.0	2.9	.7
18	1.7	.9	1.9	1.0	2.0	1.5	---	---	1.9	.0	3.1	1.0
19	1.6	.8	---	---	1.5	1.0	---	---	1.0	.0	1.2	.6
20	1.7	.6	---	---	---	---	---	---	2.7	.0	6.1	1.3
21	7.6	1.9	---	---	---	---	---	---	1.3	.1	5.3	3.0
22	7.7	6.3	---	---	---	---	---	---	4.1	.0	3.4	3.0
23	6.3	4.8	---	---	3.8	.9	---	---	4.2	.0	3.1	2.8
24	4.7	3.7	---	---	5.3	1.2	---	---	1.0	.0	2.8	2.5
25	3.6	3.0	---	---	2.9	1.3	---	---	5.8	.0	4.2	2.5
26	5.6	2.8	---	---	1.5	.6	---	---	4.6	1.6	4.5	2.5
27	5.3	2.7	---	---	---	---	4.7	4.1	2.3	1.3	4.3	2.6
28	2.8	2.4	---	---	---	---	4.2	3.6	---	---	5.1	2.5
29	2.4	2.2	---	---	---	---	3.6	3.1	---	---	4.4	2.3
30	2.2	1.9	---	---	---	---	3.1	2.4	---	---	5.3	2.6
31	---	---	---	---	---	---	2.5	1.9	---	---	---	---

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.--254 mi² (658 km²), revised.

PERIOD OF RECORD.--October 1942 to September 1947. October 1965 to February 1975 (annual maximum gage height), and March 1975 to March 1975 to September 1979 (gage heights only), discontinued.

REVISED RECORDS.--WDR LA 79-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1.11 ft (0.338 m) below National Geodetic Vertical Datum of 1929. October 1942 to September 1947 nonrecording gage at same site at datum 1.06 ft (0.323 m) lower, April 1964 to February 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 (water years 1943-47), 545 ft³/s (15.43 m³/s), 29.37 in/yr (746 mm/yr), 394,900 acre-ft/yr (487 km³/yr).

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, 14.04 ft (4.279 m) Apr. 24; minimum, not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.58	2.13	2.81	---	5.81	4.50	3.21	4.26	12.74	2.44	---	3.03
2	2.58	2.07	2.85	---	3.58	4.17	3.31	4.12	13.52	2.40	---	2.99
3	2.58	2.09	2.98	---	3.49	5.49	2.82	4.09	12.94	2.42	---	3.04
4	2.53	2.10	3.03	---	5.15	5.19	3.01	4.36	11.27	2.33	---	3.07
5	2.55	2.10	2.88	2.32	6.98	4.12	2.90	4.06	8.47	2.19	---	3.01
6	2.44	2.10	2.75	2.13	9.45	3.92	2.93	3.71	6.20	2.17	---	2.98
7	2.36	1.95	2.86	2.82	10.92	3.94	3.03	3.59	5.28	2.21	---	2.93
8	2.35	2.06	2.92	2.65	11.13	3.66	3.17	3.57	4.63	2.34	---	2.89
9	2.43	2.09	5.49	2.41	9.61	3.48	3.16	3.50	4.20	3.49	---	2.71
10	2.37	2.08	5.35	2.51	6.10	3.41	2.97	3.56	3.96	2.75	---	2.65
11	2.38	2.15	3.02	2.33	5.20	3.15	3.45	3.52	3.63	2.45	---	2.70
12	2.38	2.10	2.73	2.45	4.67	3.04	3.47	3.39	3.40	2.47	---	2.66
13	2.43	2.12	2.65	2.55	4.31	2.92	3.39	3.11	3.32	2.51	---	2.68
14	2.06	2.22	---	2.10	4.13	2.90	3.09	3.10	3.26	5.03	---	2.68
15	2.25	2.06	---	2.19	3.98	2.56	3.02	3.03	3.19	4.90	---	2.38
16	2.33	2.15	---	2.36	3.75	2.51	2.94	2.93	3.15	5.88	---	2.39
17	2.23	2.05	---	2.37	3.27	2.62	2.95	2.83	3.12	3.45	---	2.51
18	2.28	2.03	---	2.31	3.36	2.84	2.92	2.81	3.06	---	---	2.61
19	2.25	2.11	2.56	2.43	3.36	2.78	3.05	2.87	3.08	---	---	2.61
20	2.25	2.25	2.60	3.47	3.16	3.03	3.16	2.83	3.03	---	---	4.32
21	2.27	2.07	2.28	4.97	3.20	2.96	8.70	2.73	2.91	---	---	8.92
22	2.26	2.14	2.37	2.82	3.22	3.12	11.30	2.79	2.80	---	---	9.45
23	2.24	2.20	2.33	2.66	3.68	5.89	13.58	2.82	2.77	---	---	7.36
24	2.20	2.21	---	7.79	8.18	4.00	13.94	2.66	2.74	---	---	5.38
25	2.24	2.14	---	6.96	9.69	3.21	12.92	2.52	2.67	---	---	5.41
26	2.31	2.35	---	3.86	9.23	3.15	10.80	2.55	2.59	---	---	5.26
27	2.08	4.77	---	4.27	5.21	3.17	8.61	2.62	2.51	---	---	5.01
28	2.13	5.81	---	3.74	4.66	3.10	7.93	2.52	2.55	---	---	4.71
29	2.06	3.38	---	3.36	---	3.13	5.43	2.55	2.52	---	---	4.39
30	2.12	2.84	---	3.23	---	3.32	4.55	3.70	2.52	---	2.91	4.06
31	2.12	---	---	6.69	---	3.16	---	10.48	---	---	2.89	---
MEAN	2.31	2.40	---	---	5.66	3.50	5.32	3.46	4.73	---	---	3.89
MAX	2.58	5.81	5.49	7.79	11.13	5.89	13.94	10.48	13.52	---	---	9.45
MIN	2.06	1.95	---	---	3.16	2.51	2.82	2.52	2.51	---	---	2.38

MERMENTAU RIVER BASIN

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 (station 08012000).

DRAINAGE AREA.--542 mi² (1,404 km²).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records March 1945 to September 1973 available in files of Baton Rouge district office.

REVISED RECORDS.--WDR LA-77-2: 1974-76 (M).

GAGE.--Nonrecording gage read twice daily. Datum of gage is 1.03 ft (0.314 m) below National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.05 ft (7.330 m) Sept. 23; minimum daily, 2.35 ft (0.716 m) Oct. 28, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since March 1945, 30.3 ft (9.24 m) May 21, 22, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.05 ft (7.330 m) Sept. 23; minimum daily, 2.88 ft (0.878 m) Oct. 28, 29, Nov. 2.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.58	2.89	3.97	3.36	19.67	20.99	5.11	19.00	21.70	3.38	17.14	3.88
2	3.57	2.88	3.97	6.48	18.95	20.90	6.22	18.03	22.45	3.34	14.26	3.97
3	3.52	2.89	3.94	9.76	18.97	20.50	10.00	17.12	22.30	3.30	12.07	5.50
4	3.45	2.90	3.98	10.18	18.97	19.90	14.42	16.36	22.00	3.30	9.16	7.94
5	3.47	2.92	3.86	9.56	19.63	19.62	15.80	15.08	21.26	3.24	6.98	8.20
6	3.46	2.94	3.86	9.72	20.52	19.15	18.12	14.14	20.46	3.14	6.02	7.36
7	3.44	2.94	3.86	10.30	21.30	18.72	18.97	11.98	19.42	3.36	4.68	7.24
8	3.46	2.96	3.90	13.87	21.44	17.58	18.76	9.20	18.04	4.20	4.82	6.26
9	3.41	2.96	4.02	15.22	21.02	---	18.36	7.96	16.98	6.02	4.72	5.44
10	3.40	2.96	4.10	15.76	20.51	---	18.20	6.20	14.86	6.73	4.50	5.18
11	3.35	2.96	3.99	15.56	20.40	---	17.00	5.24	13.12	7.92	4.48	4.82
12	3.30	2.96	3.78	13.60	20.05	---	16.62	4.62	11.60	8.10	4.42	4.45
13	3.28	2.98	3.57	10.04	19.68	7.00	16.01	4.82	10.12	7.17	4.11	4.04
14	3.24	3.00	3.43	8.30	19.46	6.21	15.09	4.60	7.40	7.94	4.00	3.68
15	3.22	3.00	3.35	6.50	18.38	4.52	11.85	4.44	5.93	8.92	4.18	3.40
16	3.23	3.04	3.32	5.46	16.92	4.31	9.02	4.36	4.54	9.62	4.11	3.30
17	3.20	3.06	3.22	4.50	15.28	4.34	7.10	4.19	4.31	8.19	3.88	3.33
18	3.20	3.04	3.23	3.62	12.16	4.33	6.34	3.98	4.12	7.74	3.78	3.80
19	3.18	3.06	3.22	3.28	11.00	4.33	5.46	3.77	3.94	7.94	3.78	6.82
20	3.20	3.08	3.22	9.03	10.74	6.40	6.40	3.77	3.84	9.31	3.89	14.28
21	3.20	3.08	3.24	15.45	10.48	10.80	14.35	3.68	3.82	9.76	4.04	20.29
22	3.18	3.05	3.24	18.65	10.69	14.02	17.55	3.66	3.80	10.74	4.40	23.10
23	3.17	3.04	3.24	20.14	12.38	15.65	19.56	3.63	3.74	9.51	4.56	23.86
24	3.14	3.03	3.28	20.92	17.15	16.02	20.37	3.58	3.69	10.48	4.62	23.88
25	3.08	3.04	3.28	20.88	20.35	16.04	20.50	3.52	3.66	12.02	4.20	23.34
26	3.00	3.05	3.24	20.80	21.62	15.25	20.48	3.45	3.65	15.70	4.02	22.92
27	2.90	3.44	3.24	20.83	21.46	11.70	20.44	3.46	3.64	18.85	3.98	22.35
28	2.88	3.80	3.22	20.60	21.20	9.20	20.06	3.40	3.49	20.28	3.97	21.27
29	2.88	3.92	3.24	18.84	---	6.96	19.60	3.62	3.40	20.38	3.86	20.40
30	2.89	4.00	3.24	19.16	---	5.62	19.24	9.98	3.38	19.78	3.78	19.02
31	2.89	---	3.27	19.78	---	5.07	---	18.80	---	18.62	3.83	---
MEAN	3.24	3.10	3.53	12.91	17.87	---	14.90	7.73	10.16	9.32	5.49	11.11
MAX	3.58	4.00	4.10	20.92	21.62	20.99	20.50	19.00	22.45	20.38	17.14	23.88
MIN	2.88	2.88	3.22	3.28	10.48	4.31	5.11	3.40	3.38	3.14	3.78	3.30

MERMENTAU RIVER BASIN

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08012150 MERMENTAU RIVER AT MERMENTAU, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°11'23", long 92°35'25", on line between lots 14 and 31, T.10 S., R.2 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at U.S. Highway 90 bridge between Silverwood and Mermentau.

DRAINAGE AREA.--1,381 mi² (3,577 km²).

PERIOD OF RECORD.--March 1979 to September 1979.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VANCE (MICHO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)
MAR							
28...	1030	--	78	6.2	18.0	200	170
APR							
12...	1200	3910	70	6.2	20.0	50	100
22...	1330	14900	100	6.7	21.0	120	100
MAY							
02...	1100	4890	70	6.8	21.0	100	100
16...	1000	999	142	6.6	23.0	--	110
JUN							
08...	1030	7910	72	6.4	24.5	70	45
19...	0945	.00	86	6.4	28.0	60	30
JUL							
03...	1100	.00	110	6.2	29.5	30	40
23...	1500	879	181	6.7	30.0	60	45
AUG							
10...	1200	1140	160	6.6	30.0	80	15
22...	1100	.00	183	5.9	26.5	30	80
SEP							
06...	1230	.00	190	6.4	28.0	40	15

DATE	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
MAR						
28...	6.4	2.3	K80	1000	11	0
APR						
12...	6.4	2.5	K80	200	18	5
22...	6.8	3.0	1800	9400	25	0
MAY						
02...	6.7	2.5	K120	<10	18	0
16...	5.5	1.8	K70	K50	35	5
JUN						
08...	4.4	3.8	480	K100	17	1
19...	5.5	--	K100	K40	21	3
JUL						
03...	3.5	5.2	K40	K60	28	3
23...	3.8	2.9	1100	1000	43	0
AUG						
10...	5.1	2.8	K30	K180	41	0
22...	1.9	2.3	15000	<2	64	0
SEP						
06...	2.6	7.3	K90	25	41	0

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

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

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CAO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
MAR											
28...	4.2	.2	7.2	2.8	17	0	14	5.8	9.5	.2	7.4
APR											
12...	5.0	1.3	7.9	2.2	16	0	13	7.2	9.6	.2	5.3
22...	6.1	2.4	10	2.5	34	0	28	6.5	11	.2	5.0
MAY											
02...	4.6	1.6	5.9	2.3	22	0	18	6.0	8.2	.1	4.8
16...	4.3	3.5	13	3.2	36	0	30	6.3	18	1.6	10
JUN											
08...	5.0	1.0	6.6	2.1	19	0	16	3.4	8.7	.1	4.4
19...	5.4	1.9	6.6	2.5	22	0	18	5.9	8.5	.2	6.6
JUL											
03...	5.9	2.5	10	2.5	30	0	25	6.2	14	.2	7.2
23...	10	4.4	18	3.3	55	0	45	7.0	22	.2	12
AUG											
10...	9.1	4.4	13	3.5	50	0	41	7.0	17	.2	11
22...	12	4.4	16	2.9	64	0	52	7.9	20	.2	10
SEP											
06...	10	3.9	19	4.9	52	0	43	7.1	26	.2	11

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
MAR										
28...	64	.22	.33	1.7	.68	.22	.07	27	--	--
APR										
12...	71	.37	.26	1.4	1.4	.23	.05	--	13	24
22...	67	.62	.18	1.4	.96	.31	.07	19	--	--
MAY										
02...	54	.25	.17	1.2	.95	.18	.07	--	11	10
16...	87	.57	.26	1.6	.37	.38	.05	17	--	--
JUN										
08...	49	.24	.07	.90	.83	.16	.08	9.7	--	--
19...	55	.20	.17	1.4	.67	.14	.02	--	6.1	--
JUL										
03...	78	.14	.17	.59	.47	.20	.09	--	--	--
23...	118	.33	.15	.96	.47	.21	.09	6.2	--	--
AUG										
10...	110	.05	.18	1.2	1.1	.22	.09	--	--	--
22...	118	.03	.15	.83	.30	.19	.15	9.2	--	--
SEP										
06...	118	.05	.41	--	1.6	.20	.10	--	--	--

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	HARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	HARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CO)	CADMIUM DIS- SOLVED (UG/L AS CO)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)
APR 12...	2	1	200	0	2	0	10	0	0
MAY 02...	2	1	200	0	--	16	20	0	4
JUN 19...	2	1	100	60	1	1	10	0	3

DATE	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
APR 12...	0	8	7	4700	340	21	1	140	50
MAY 02...	4	--	14	3400	490	18	4	110	40
JUN 19...	3	36	5	1500	80	57	1	70	10

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
APR 12...	.2	.0	1	0	0	0	20	20
MAY 02...	.1	.0	0	0	0	0	60	60
JUN 19...	.1	.1	0	0	0	0	50	10

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
MAR 28...	670	68	--	99
APR 12...	1400	164	1730	98
MAY 22...	910	304	12200	98
MAY 02...	2000	104	1370	98
MAY 16...	--	--	--	--
JUN 08...	--	67	1430	90
JUN 19...	--	43	.00	98
JUL 03...	300	58	.00	76
JUL 23...	--	132	313	90
AUG 10...	--	48	148	85
AUG 22...	--	58	.00	86
SEP 06...	--	50	.00	90

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE TIME	MAR 28,79 1030		APR 12,79 1200		APR 23,79 1330		MAY 2,79 1100		JUL 3,79 1100	
TOTAL CELLS/ML	670		1400		910		2000		300	
DIVERSITY: DIVISION	2.1		1.5		1.3		0.5		0.0	
..CLASS	2.1		1.5		1.4		0.5		0.0	
...ORDER	2.3		2.4		1.5		0.5		0.0	
...FAMILY	2.6		2.6		2.1		0.6		0.0	
....GENUS	3.0		2.9		2.6		0.8		0.0	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHAMACIACEAE										
....SCHROEDERIA	--	-	14	1	--	-	--	-	--	-
...MICHACTINIACEAE										
....MICHACTINIUM	--	-	14	1	--	-	--	-	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	70	10	42	3	14	2	43	2	--	-
....DICTYOSPHAERIUM	56	8	--	-	--	-	43	2	--	-
....KIRCHNEKIELLA	28	4	--	-	--	-	--	-	--	-
....SELENASTRUM	--	-	28	2	--	-	--	-	--	-
....TETHAEDRUM	--	-	--	-	--	-	14	1	--	-
...SCENEDESMACEAE										
....ACTINASTRUM	56	8	70	5	56	6	--	-	--	-
....CHUCIGENIA	--	-	56	4	--	-	--	-	--	-
...SCENEDESMUS	--	-	56	4	340#	37	72	4	--	-
....TETHASTRUM	--	-	--	-	--	-	57	3	--	-
...TETHASPORALES										
...PALMELLACEAE										
...SPHAEROCYSTIS	--	-	70	5	--	-	--	-	--	-
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	--	-	14	2	--	-	--	-
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	28	4	14	1	--	-	--	-	--	-
....MELOSIRA	--	-	42	3	--	-	--	-	300#	100
...PENNALES										
...ACHNANTHACEAE										
...COCONEIS	--	-	--	-	14	2	--	-	--	-
...FRAGILARIACEAE										
....SYNEDRA	--	-	--	-	14	2	--	-	--	-
...NAVICULACEAE										
....CALONEIS	--	-	--	-	14	2	--	-	--	-
....NAVICULA	14	2	--	-	28	3	--	-	--	-
...PINNULARIA	--	-	--	-	42	5	--	-	--	-
...NITZSCHIA										
...NITZSCHIA	98	15	110	8	310#	34	--	-	--	-
...XANTHOPHYCEAE										
...HETEROCOCCALES										
...CENTRITRACIACEAE										
....CENTRITRACTUS	--	-	--	-	14	2	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOCHRYSIDACEAE										
....CHROMONAS	--	-	--	-	14	2	--	-	--	-
...CRYPTOMONADACEAE										
....CRYPTOMONAS	70	10	14	1	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	--	-	280#	20	--	-	--	-	--	-
....ANACYSTIS	210#	31	--	-	--	-	1800#	89	--	-
...HORMOGONALES										
...OSCILLATORIACEAE										
....OSCILLATORIA	--	-	560#	40	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
....EUGLENA	42	6	14	1	14	2	--	-	--	-
....TRACHELOMONAS	--	-	28	2	28	3	--	-	--	-

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

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

MERMENTAU RIVER BASIN

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08012295 BAYOU QUEUE DE TORTUE SOUTHWEST OF LYONS POINT, LA

LOCATION.--Lat 30°03'08", long 92°25'26", in SW¼SW¼ 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), approximately.

PERIOD OF RECORD.--March 1976 to September 1979 (gage heights and one discharge measurement), discontinued.

GAGE.--Water-stage recorder. Datum of gage is 9.89 ft (3.014 m) below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--No gage heights recorded below 12.23 ft (3.728 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, 19.10 ft (5.822 m) Apr. 24; minimum not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.91		14.19	12.72	15.12	14.51	13.58	14.93	17.93	13.34	15.88	
2	12.83		13.71	12.76	14.73	14.12	13.50	14.51	18.13	13.48	15.03	
3	12.78		13.33	12.78	14.37	14.68	14.01	14.22	17.87	13.43	14.33	
4	12.75		13.22	12.78	14.38	15.55	14.34	14.15	17.27	13.46	13.73	
5	12.68		14.28	12.75	14.89	15.32	14.22	14.54	16.53	13.55	13.20	
6	12.58		14.12	12.73	16.30	14.68	14.12	14.37	15.82	13.59	12.81	
7	12.46		13.93	13.18	17.46	14.21	14.02	14.13	15.18	13.58	12.55	
8	12.41		13.78	13.83	17.58	13.90	13.91	13.93	---	13.60	12.44	
9	12.38		14.54	13.83	16.95	13.68	13.82	13.78	---	13.63	12.53	
10	12.37		15.38	13.73	16.08	13.52	13.75	13.69	---	13.83	13.10	
11	12.36		15.31	13.63	15.30	13.65	13.81	13.91	13.91	13.81	12.78	
12	12.35		14.90	13.51	14.71	13.60	14.27	13.57	13.71	13.58	12.53	
13	12.33		14.51	13.41	14.28	13.45	14.51	13.50	13.48	13.22	12.28	
14	12.33		14.19	13.31	14.11	13.32	14.41	13.32	13.28	13.93	12.26	
15	12.32		13.96	13.21	13.97	13.23	14.16	13.12	13.18	14.03	12.27	
16	12.32		13.78	13.12	13.83	13.16	13.98	12.98	13.17	13.83		
17	12.31		13.78	13.00	13.69	13.12	13.33	12.93	13.20	13.42		
18	12.30		13.87	12.96	13.66	13.20	13.77	12.85	13.28	13.05		
19			13.87	12.92	13.80	13.12	13.74	12.80	13.27	13.32		
20			13.80	13.02	13.75	13.32	13.72	12.78	13.32	13.23		
21			13.70	13.63	13.69	13.45	16.07	12.80	13.32	13.40		14.45
22			13.60	13.67	13.63	13.73	18.02	12.78	13.17	13.80	12.23	15.00
23			13.47	13.61	14.43	15.23	18.94	13.36	13.19	13.63	12.29	14.60
24			13.37	15.92	16.25	15.43	19.09	13.58	13.32	13.71	12.36	14.04
25			13.24	16.65	17.03	14.89	18.77	13.60	13.43	14.98	13.36	13.56
26			13.12	16.37	16.76	14.37	18.10	13.57	13.55	16.57	14.09	13.26
27		13.98	13.00	15.71	15.90	14.03	17.38	13.55	13.51	17.78	13.74	13.11
28		15.32	12.88	15.08	15.09	13.83	16.83	13.55	13.44	18.27	13.50	12.98
29		15.33	12.82	14.55	---	13.72	16.18	13.53	13.33	18.20	13.01	12.84
30		14.77	12.73	14.17	---	13.65	15.53	14.17	13.30	17.64	12.59	12.66
31		---	12.74	14.97	---	13.60	---	16.85	---	16.80	12.25	---
MEAN	---	---	13.78	13.79	15.06	13.98	15.13	13.72	---	14.38	---	---
MAX	12.91	15.33	15.38	16.65	17.58	15.55	19.09	16.85	18.13	18.27	15.88	15.00
MIN	---	---	12.73	12.72	13.63	13.12	13.33	12.78	---	13.05	---	---

MERMENTAU RIVER BASIN

08012470 BAYCU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in SE $\frac{1}{4}$ sec.21, T.11 S., R.5 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at bridge on State Highway 14, 12.9 mi (20.8 km) west of town of Lake Arthur, and 16.8 mi (27.0 km) upstream from Intracoastal Waterway.

DRAINAGE AREA.--299 mi² (774 km²).

PERIOD OF RECORD.--Annual peaks, water years 1969-74, October 1974 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 7.00 ft (2.134 m) below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft (0.259 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.90 ft (3.627 m) Sept. 16, 1971, present datum; minimum, 7.02 ft (2.140 m), Jan. 2, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.11 ft (3.386 m) July 28; minimum, 7.02 ft (2.140 m) Jan. 2.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.47	7.98	8.70	7.94	8.99	9.40	9.13	9.70	9.95	8.29	10.39	8.98
2	8.46	7.99	8.76	7.30	9.12	9.40	9.12	9.78	10.09	8.27	10.18	8.92
3	8.45	7.94	8.85	7.85	9.12	9.68	8.85	9.80	10.10	8.23	10.02	8.94
4	8.44	7.93	8.64	8.13	9.06	9.47	8.73	9.78	10.06	8.17	9.86	8.90
5	8.42	7.97	8.68	8.22	9.26	9.38	8.66	9.50	10.03	8.13	9.71	8.87
6	8.34	8.00	8.72	8.14	9.79	9.38	8.70	9.49	9.96	8.09	9.57	8.85
7	8.30	7.77	8.76	8.23	10.05	9.27	8.76	9.43	9.90	8.10	9.45	8.79
8	8.27	7.84	8.86	8.02	10.17	9.16	8.88	9.40	9.80	8.18	9.44	8.74
9	8.32	7.97	8.43	8.27	10.01	9.24	8.78	9.36	9.66	8.26	9.40	8.64
10	8.28	8.05	8.50	8.34	9.99	9.15	8.76	9.45	9.64	8.31	9.35	8.57
11	8.27	7.98	8.60	8.30	9.90	8.92	9.21	9.35	9.38	8.23	9.26	8.60
12	8.31	8.00	8.52	8.21	9.78	8.85	9.15	9.24	9.19	8.32	9.13	8.59
13	8.29	8.07	8.44	8.36	9.65	8.85	9.10	8.99	9.12	8.44	9.11	8.49
14	8.03	8.13	8.35	7.80	9.63	8.74	8.88	8.92	9.07	8.82	9.04	8.51
15	8.17	8.07	8.45	8.18	9.60	8.60	8.81	8.87	9.02	8.89	8.93	8.40
16	8.16	8.12	8.43	8.27	9.40	8.51	8.82	8.79	8.97	8.85	8.83	8.33
17	8.13	7.97	8.26	8.28	9.15	8.62	8.85	8.72	8.94	8.83	8.77	8.46
18	8.17	8.00	8.41	8.22	9.00	8.90	8.83	8.69	8.94	8.80	8.73	8.61
19	8.11	8.02	8.40	8.29	9.05	8.86	8.85	8.68	8.94	8.82	8.79	8.59
20	8.12	8.06	8.45	8.57	9.05	8.87	8.95	8.69	8.88	8.85	8.73	9.49
21	8.15	7.98	8.10	8.30	9.06	8.92	9.37	8.65	8.78	8.90	8.74	9.87
22	8.17	8.02	8.20	8.35	9.09	9.22	9.66	8.72	8.67	8.93	8.69	10.23
23	8.16	8.08	8.28	8.54	9.10	9.37	9.82	8.65	8.65	8.93	8.70	10.27
24	8.05	8.05	8.20	8.72	9.48	9.18	9.88	8.47	8.60	9.31	8.84	10.15
25	8.12	8.06	8.14	8.99	9.44	8.97	9.86	8.45	8.44	10.17	8.80	9.98
26	8.18	8.14	8.20	9.18	9.42	8.94	9.85	8.47	8.51	10.68	8.83	9.80
27	8.05	8.59	8.06	9.02	9.50	8.96	9.87	8.48	8.45	11.04	8.80	9.70
28	8.01	8.50	8.20	8.87	9.57	8.98	9.84	8.45	8.44	11.09	8.84	9.63
29	7.99	8.61	8.24	8.85	---	9.01	9.80	8.47	8.41	10.98	8.88	9.54
30	8.00	8.65	8.40	8.95	---	9.18	9.72	8.67	8.30	10.83	8.85	9.45
31	8.04	---	8.30	8.90	---	9.11	---	9.53	---	10.63	8.92	---
MEAN	8.21	8.08	8.44	8.37	9.44	9.07	9.18	9.02	9.16	9.04	9.15	9.10
MAX	8.47	8.65	8.86	9.18	10.17	9.68	9.88	9.80	10.10	11.09	10.39	10.27
MIN	7.99	7.77	8.06	7.30	8.99	8.51	8.66	8.45	8.30	8.09	8.69	8.33

CALCASIEU RIVER BASIN

299

08016800 BEAR HEAD CREEK NEAR STARKS, LA

LOCATION.--Lat 30°19'59", long 93°37'44", in sec.30, T.8 S., R.12 W., Calcasieu Parish, Hydrologic Unit 08080205, near right bank on downstream side of bridge on State Highway 12, 2.4 mi (3.9 km) northeast of Starks, and 3.5 mi (5.6 km) downstream from Green Island Marsh Creek.

DRAINAGE AREA.--177 mi² (458 km²).

PERIOD OF RECORD.--Annual maximums, water years 1954-56. March 1956 to current year.

REVISED RECORDS.--WSP 2122: 1958 (M).

GAGE.--Water-stage recorder. Datum of gage is 16.34 ft (4.980 m) National Geodetic Vertical Datum of 1929. Oct. 13, 1953, to Mar. 8, 1956, crest-stage gage at site 100 ft (30 m) downstream at same datum.

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Records of water temperature for water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years, 232 ft³/s (6.570 m³/s), 17.80 in/yr (452 mm/yr), 168,100 acre-ft/yr (207 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, 3,360 ft³/s (95.2 m³/s) Sept. 22, gage height, 15.10 ft (4.602 m); minimum, no flow many days

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	0	4.8	500	307	503	48	42	1980	4.9	480	30
2	.40	0	39	400	386	320	46	31	1490	1.9	193	33
3	.45	0	36	200	381	205	130	25	1330	1.1	73	70
4	.45	0	38	60	388	207	889	25	1280	.74	35	107
5	.36	0	43	50	672	261	1620	25	1180	.53	22	153
6	.25	0	55	200	1240	309	1820	28	863	.41	14	146
7	.17	0	59	900	1720	349	1590	37	539	.39	9.7	113
8	.13	0	70	1500	1810	403	1220	47	264	6.1	9.7	188
9	.09	0	91	1600	1640	414	838	38	110	52	28	135
10	.06	0	118	1400	1350	260	447	28	52	86	23	69
11	.04	0	146	1120	1070	123	173	19	32	73	13	35
12	.02	0	157	871	798	61	88	14	21	42	28	21
13	.01	0	132	630	504	51	63	10	14	21	36	15
14	0	0	70	345	236	45	50	7.8	9.0	58	20	11
15	0	0	35	164	126	38	39	6.5	6.2	79	12	7.4
16	0	0	23	79	76	34	33	5.6	4.3	68	9.7	4.8
17	0	0	17	46	52	30	29	4.8	3.1	37	8.8	4.1
18	0	0	12	43	61	27	24	4.0	2.2	21	6.9	7.4
19	0	0	9.6	50	117	27	29	3.3	1.7	19	5.2	31
20	0	1.4	7.8	151	192	167	670	2.7	1.4	56	3.9	713
21	0	1.2	6.5	379	240	701	2540	2.3	1.1	93	4.0	2620
22	0	10	5.8	590	267	1240	2580	2.3	2.2	71	16	3250
23	0	10	5.0	542	388	1740	2080	4.4	3.2	117	63	2690
24	0	7.6	4.2	425	877	2160	1640	3.6	2.6	214	35	2050
25	0	4.4	3.5	313	1170	1980	1320	2.6	2.2	425	17	1560
26	0	6.2	3.2	248	1030	1540	1050	2.3	2.3	776	10	1120
27	0	17	2.9	197	874	1110	813	2.0	1.9	1820	7.1	644
28	0	44	2.7	156	696	741	463	2.7	4.2	2340	8.9	226
29	0	49	2.5	150	---	336	175	4.8	11	1970	9.4	75
30	0	39	7.0	167	---	158	68	93	8.4	1440	15	37
31	0	---	400	202	---	73	---	1670	---	913	42	---
TOTAL	2.83	189.8	1644.7	13678	18668	15613	22575	2193.7	9222.0	10807.07	1258.3	16165.7
MEAN	.091	6.33	53.2	441	667	504	753	70.8	307	349	40.6	539
MAX	.45	49	400	1600	1810	2160	2580	1670	1980	2340	480	3250
MIN	0	0	2.5	43	52	27	24	2.0	1.1	.39	3.9	4.1
CFSM	0	.04	.30	2.49	3.77	2.85	4.25	.40	1.73	1.97	.23	3.05
IN.	.0006	.04	.35	2.87	3.92	3.28	4.74	.46	1.94	2.27	.26	3.40
AC-FT	5.6	376	3270	27130	37030	30970	44780	4350	18290	21440	2500	32060
CAL YR 1978 TOTAL	37899.09			MEAN 104	MAX 4200	MIN 0	CFSM .59	IN 7.97	AC-FT 75170			
WTH YR 1979 TOTAL	112023.10			MEAN 307	MAX 3250	MIN 0	CFSM 1.73	IN 23.54	AC-FT 222200			

CALCASIEU RIVER BASIN

08016800 BEAR HEAD CREEK NEAR STARKS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.39	6.81	9.05	---	11.85	12.24	8.98	8.81	14.00	7.69	11.90	8.52
2	7.39	6.80	8.82	---	12.08	11.75	8.92	8.54	13.51	7.49	10.89	8.59
3	7.41	6.82	8.76	---	12.07	11.29	10.00	8.38	13.31	7.38	9.48	9.44
4	7.41	6.81	8.80	---	12.09	11.29	12.66	8.37	13.26	7.31	8.62	10.12
5	7.38	6.80	8.91	---	12.68	11.50	13.67	8.37	13.13	7.26	8.28	10.62
6	7.35	6.88	9.19	---	13.52	11.64	13.86	8.44	12.66	7.22	8.06	10.55
7	7.30	6.92	9.28	---	14.05	11.73	13.63	8.68	12.04	7.21	7.92	10.20
8	7.26	6.92	9.53	---	14.15	11.85	13.19	8.93	11.27	7.52	7.91	10.92
9	7.22	6.92	9.92	---	13.97	11.86	12.62	8.72	10.09	9.04	8.44	10.43
10	7.19	6.90	10.36	---	13.67	11.34	11.84	8.44	9.04	9.77	8.33	9.43
11	7.17	6.89	10.69	13.38	13.32	10.31	10.88	8.22	8.55	9.51	8.02	8.63
12	7.15	6.89	10.81	13.03	12.91	9.27	9.80	8.07	8.26	8.80	8.43	8.27
13	7.13	6.88	10.53	12.60	12.34	9.02	9.31	7.94	8.05	8.28	8.65	8.10
14	7.12	6.89	9.53	11.95	11.57	8.86	9.02	7.84	7.89	9.16	8.24	7.97
15	7.07	6.88	8.72	11.14	10.84	8.69	8.75	7.77	7.76	9.64	8.01	7.82
16	7.06	6.89	8.43	10.10	10.06	8.56	8.59	7.73	7.66	9.40	7.91	7.69
17	7.05	6.90	8.26	9.28	9.48	8.46	8.48	7.69	7.59	8.68	7.80	7.65
18	7.03	6.88	8.12	9.21	9.62	8.38	8.35	7.65	7.52	8.26	7.80	7.82
19	7.01	6.98	8.03	9.40	10.58	8.36	8.48	7.61	7.47	8.21	7.71	8.47
20	7.00	7.57	7.96	10.95	11.38	10.66	12.33	7.56	7.42	9.10	7.64	12.30
21	6.99	7.53	7.90	12.03	11.63	12.26	14.48	7.53	7.38	9.89	7.65	14.57
22	6.97	8.05	---	12.53	11.73	13.18	14.51	7.52	7.50	9.47	8.04	15.04
23	6.96	8.07	---	12.43	12.07	13.79	14.10	7.67	7.59	10.22	9.29	14.65
24	6.95	7.95	---	12.18	13.02	14.19	13.69	7.62	7.55	11.05	8.64	14.13
25	6.94	7.79	---	11.88	13.42	14.01	13.31	7.55	7.52	11.78	8.15	13.66
26	6.93	7.89	---	11.66	13.22	13.57	12.95	7.52	7.53	12.48	7.93	13.13
27	6.93	8.27	---	11.41	12.97	13.04	12.59	7.50	7.49	13.84	7.81	12.34
28	6.91	8.93	---	11.08	12.65	12.47	11.87	7.56	7.62	14.33	7.86	11.16
29	6.88	9.07	---	11.03	---	11.62	10.76	7.69	7.96	14.00	7.90	9.62
30	6.82	8.83	---	11.18	---	10.65	9.40	9.92	7.86	13.44	8.07	8.74
31	6.82	---	---	11.44	---	9.53	---	13.71	---	12.74	8.80	---
MEAN	7.10	7.35	---	---	12.25	11.14	11.37	8.24	9.22	9.68	8.39	10.35
MAX	7.41	9.07	---	---	14.15	14.19	14.51	13.71	14.00	14.33	11.90	15.04
MIN	6.82	6.80	---	---	9.48	8.36	8.35	7.50	7.38	7.21	7.64	7.65

CALCASIEU RIVER BASIN

301

08017015 HOUSTON RIVER NEAR BUHLER, LA

LOCATION.--Lat 30°17'24", long 93°21'20", in SE¼ sec.11, T.8 S., R.9 W., Louisiana Meridian, Calcasieu Parish, Hydrologic Unit 08080205, at bridge on State Highway 27 and 3.0 mi (4.8 km) south of Buhler.

DRAINAGE AREA.--Indeterminate.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 17...	1145	739	6.5	21.5	60	8	.5	3.8	<5	--	76
NOV 29...	1145	2880	6.6	--	50	35	1.8	5.5	920	K2500	290
DEC 05...	1100	948	6.3	16.0	80	30	5.0	4.8	K65	880	86
JAN 09...	0800	53	5.6	7.0	80	30	10.6	2.9	K3000	2700	6
FEB 08...	1645	34	5.7	9.0	75	30	10.0	2.1	420	760	8
MAR 05...	1330	51	6.3	16.5	120	40	7.2	4.8	110	120	14
APR 05...	1330	33	5.6	17.0	120	65	6.5	2.1	6000	4200	7
MAY 17...	1130	57	5.9	26.0	160	25	4.4	2.7	K10	K90	16
JUN 07...	1300	40	5.3	25.0	100	15	4.6	2.3	K20	1400	9
JUL 12...	1030	63	5.7	28.5	80	15	2.9	1.1	K40	K200	13
AUG 09...	1300	49	6.0	32.0	120	15	4.7	--	K80	--	11
SEP 07...	1300	66	5.3	25.0	210	110	4.4	5.9	--	12200	10

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)
OCT 17...	58	8.8	13	110	74	5.5	6.3	21	0	17
NOV 29...	260	34	50	410	74	10	20	40	0	33
DEC 05...	70	8.0	16	140	76	6.6	8.2	19	0	16
JAN 09...	3	1.5	.7	4.0	50	.7	1.6	4	0	3
FEB 08...	4	2.1	.7	4.7	53	.7	.7	5	0	4
MAR 05...	6	3.0	1.6	5.8	45	.7	.9	10	0	8
APR 05...	2	1.9	.6	3.6	48	.6	.9	6	0	5
MAY 17...	7	4.8	1.0	6.4	44	.7	1.2	11	0	9
JUN 07...	6	2.6	.6	4.1	46	.6	1.2	4	0	3
JUL 12...	5	3.7	1.0	8.3	55	1.0	1.1	10	0	8
AUG 09...	4	3.1	.8	3.3	37	.4	1.0	8	0	7
SEP 07...	6	2.6	.8	7.1	56	1.0	1.7	5	0	4

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

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

CALCASIEU RIVER BASIN

08017015 HOUSTON RIVER NEAR BUHLER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SULFATE DIS- SOLVED (MG/L AS S04)	CHLOR- IDE, DIS- SOLVED (MG/L AS CL)	FLUOR- IDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
OCT 17...	26	200	.1	6.4	439	382	.60	.01	1.0	1.0	4.5	.13
NOV 29...	110	790	.1	6.9	1490	1440	2.03	.08	1.4	1.5	6.6	.33
DEC 05...	33	250	.1	6.3	568	371	.77	.06	.97	1.0	4.6	.15
JAN 09...	5.4	6.4	.0	3.0	38	25	.05	.08	.82	.90	4.0	.07
FEB 08...	6.5	4.5	.0	3.1	35	25	.05	.07	.78	.85	3.8	.05
MAR 05...	8.0	7.6	.1	4.6	67	37	.09	.08	.97	1.1	4.6	.04
APR 05...	4.6	3.9	.1	2.9	31	22	.04	.15	.66	.81	3.6	.04
MAY 17...	8.4	8.9	.1	7.5	62	44	.08	.05	1.1	1.2	5.1	.05
JUN 07...	9.3	5.8	.0	3.1	52	29	.07	.03	1.3	1.3	5.9	.05
JUL 12...	3.6	14	.1	4.7	66	44	.09	.02	.90	.92	4.1	.06
AUG 09...	2.6	5.5	.1	5.5	62	26	.08	.04	1.4	1.4	6.4	.09
SEP 07...	6.7	10	.1	4.8	61	36	.08	.09	1.5	1.6	7.0	.03

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROM- IUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 17...	1	2	0	5	320	1	50	.0	40	13	.00	4
FEB 08...	0	1	0	19	180	1	40	.0	100	--	--	--
APR 05...	1	1	0	7	190	0	40	.1	9	15	--	--
JUL 12...	1	1	0	5	390	2	330	.1	30	--	--	--

CALCASIEU RIVER BASIN

303

08017015 HOUSTON RIVER NEAR BUHLER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCR, TOTAL (UG/L)	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 17...	.0	19	.00	.00	.0	.0	2	.00	.4	.00	.0
APR 05...	.0	--	.00	.00	--	.0	--	.00	--	.00	--

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 17...	.00	.0	.00	.0	.00	.1	.00	.0	.00	.0	.00
APR 05...	.00	--	--	--	.00	--	.00	--	--	--	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOT. IN BOTTOM MATERIAL (UG/KG)
OCT 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
APR 05...	--	.00	--	.00	--	--	--	--	--	--	--

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 17...	.00	.00	.0	0	0	.00	.0	.11	.08	.00
APR 05...	.00	--	--	0	--	--	--	.01	.01	.00

CALCASIEU RIVER BASIN

301513093130500 CALCASIEU RIVER EAST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73472)

LOCATION.--Lat 30°15'13", long 93°13'05", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, in navigation channel on east side of structure, 1.8 mi (2.9 km) north of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water year 1975 to current year (discontinued).

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.--

WATER TEMPERATURES: Maximum daily, 31.5°C Aug. 10, 11, 1977; minimum daily, 6.0°C Jan. 22, 23, 1978.

CHLORIDE: Maximum daily, 11,000 mg/L Nov. 9, 18, 1977; minimum daily, 4.4 mg/L May 7, 14, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 27.0°C Oct. 3, 5, 11; minimum daily, 25.0°C Oct. 7, 8, 9, 10.

CHLORIDE: Maximum daily, 2,400 mg/L Oct. 7; minimum daily, 750 mg/L Oct. 1.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	DAY	OCT
1	26.0	16	---
2	26.0	17	---
3	27.0	18	---
4	26.5	19	---
5	27.0	20	---
6	26.0	21	---
7	25.0	22	---
8	25.0	23	---
9	25.0	24	---
10	25.0	25	---
11	27.0	26	---
12	26.0	27	---
13	26.0	28	---
14	26.0	29	---
15	26.0	30	---
		31	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	DAY	OCT
1	750	16	---
2	1600	17	---
3	1400	18	---
4	1800	19	---
5	2300	20	---
6	1100	21	---
7	2400	22	---
8	1800	23	---
9	2100	24	---
10	2200	25	---
11	---	26	---
12	---	27	---
13	---	28	---
14	---	29	---
15	---	30	---
		31	---

301513093130600 CALCASIEU RIVER WEST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73473)

LOCATION.--Lat 30°15'13", long 93°13'06", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, in navigation channel on west side of structure, 1.8 mi (2.9 km) north of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year (discontinued).

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.--

WATER TEMPERATURES: Maximum daily, 31.0°C Aug. 10, 11, 1977; minimum daily, 6.0°C Jan. 22, 1978.

CHLORIDE: Maximum daily, 17,000 mg/L Oct. 6, 1975; minimum daily, 4.2 mg/L Dec. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 27.0°C Oct. 3, 5, 11; minimum daily, 25.0°C Oct. 7, 8, 9, 10.

CHLORIDE: Maximum daily, 9,400 mg/L Oct. 3; minimum daily, 6,700 mg/L Oct. 7.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	DAY	OCT
1	26.0	16	---
2	26.0	17	---
3	27.0	18	---
4	26.5	19	---
5	27.0	20	---
6	26.0	21	---
7	25.0	22	---
8	25.0	23	---
9	25.0	24	---
10	25.0	25	---
11	27.0	26	---
12	26.0	27	---
13	26.0	28	---
14	26.0	29	---
15	26.0	30	---
		31	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	DAY	OCT
1	8800	16	---
2	8900	17	---
3	9400	18	---
4	8900	19	---
5	8600	20	---
6	7600	21	---
7	6700	22	---
8	8100	23	---
9	8900	24	---
10	9000	25	---
11	---	26	---
12	---	27	---
13	---	28	---
14	---	29	---
15	---	30	---
		31	---

CALCASIEU RIVER BASIN

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 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-CORALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
NOV 01...	1200	3150	7.3	30	5	<1.0	6.3	38	1.2	1300	K12	290
22...	1145	3330	7.3	20	7	<1.0	8.3	25	1.1	920	K28	280
DEC 20...	1230	820	7.0	30	15	<1.0	9.0	39	1.2	1500	K22	75
JAN 31...	1000	42	6.3	80	75	<1.0	10.2	57	1.4	K9000	480	10

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 01...	260	24	56	490	77	13	21	40	0	33	140	870
22...	250	15	60	500	77	45	26	41	0	34	180	900
DEC 20...	59	6.9	14	120	76	6.0	7.4	19	0	16	34	220
JAN 31...	5	2.6	.8	3.8	42	.5	1.3	6	0	5	5.1	6.6

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS RE)	BERYLLIUM, SUS-PENDED RECOVERABLE (UG/L AS BE)
NOV 01...	14	.05	.01	.06	.89	.08	1	1	0	0	0
22...	30	.04	.01	.05	.62	.05	1	0	1	0	0
DEC 20...	10	.04	.01	.05	.00	.05	1	0	1	10	10
JAN 31...	38	.00	.12	.11	1.1	.11	1	0	1	10	10

DATE	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS Cd)	CADMIUM SUS-PENDED RECOVERABLE (UG/L AS Cd)	CADMIUM DIS-SOLVED (UG/L AS Cd)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, RECOVERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS Pb)
NOV 01...	0	1	0	1	0	0	2	0	2	140	4
22...	0	0	0	0	20	0	2	0	2	90	4
DEC 20...	0	0	0	0	0	0	4	1	3	160	4
JAN 31...	0	1	0	1	10	0	4	1	3	750	5

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

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

CALCASIEU RIVER BASIN

307

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
NOV												
01...	4	0	.0	.0	.0	3	3	0	1	0	1	--
22...	3	1	.0	.0	.0	0	0	0	0	0	0	--
DEC												
20...	3	1	.0	.0	.0	3	0	3	0	0	0	--
JAN												
31...	1	4	.0	.0	.0	2	1	1	0	0	0	1.4

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
NOV												
01...	10	0	10	1.6	.00	1	0	.0	.00	.000	.0	.000
22...	10	0	10	5.1	.00	2	0	.0	.00	.000	.0	.000
DEC												
20...	20	20	0	10	.00	5	--	.0	--	.000	.0	.000
JAN												
31...	10	0	10	16	.00	1	0	.0	--	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
NOV												
01...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
DEC												
20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN												
31...	.000	.000	.00	.000	.001	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV												
01...	.00	.00	.00	.00	.00	.0	.00	.04	.02	.01	6.67	.000
22...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.29	.060
DEC												
20...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	2.83	.000
JAN												
31...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	.000	.000

CALCASIEU RIVER BASIN

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 (discontinued).
 CHLORIDE- 5 FT DEPTH: October 1974 to current year (discontinued).
 CHLORIDE-15 FT DEPTH: OCTOBER 1975 to current year (discontinued).
 CHLORIDE-25 FT DEPTH: OCTOBER 1975 to current year (discontinued).

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.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 13, 14, 15, 1978; minimum daily, 6.0°C Jan. 19, 20, 21, Feb. 7, 8, 21, 1978.
 CHLORIDE- 5 FT DEPTH: Maximum daily, 10,000 mg/L Nov. 1, 1978; minimum daily, 8.0 mg/L May 11, 14, 19, 1975.
 CHLORIDE-15 FT DEPTH: Maximum daily, 12,000 mg/L July 10, Aug. 9, 1978; minimum daily, 14 mg/L Apr. 1, 1976.
 CHLORIDE-25 FT DEPTH: Maximum daily, 16,000 mg/L Oct. 19, 1977; minimum daily, 16 mg/L Apr. 4, 1976.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 27.5°C Oct 3, 5; minimum daily, 18.5°C Nov. 9, 18, 19.
 CHLORIDE- 5 FT DEPTH: Maximum daily, 10,000 mg/L Nov. 1; minimum daily, 5,200 mg/L Oct. 8.
 CHLORIDE-15 FT DEPTH: Maximum daily, 10,000 mg/L Nov. 1, 13; minimum daily, 6,000 mg/L Oct. 3, 5.
 CHLORIDE-25 FT DEPTH: Maximum daily, 11,000 mg/L Nov. 2; minimum daily, 5,800 mg/L Oct. 7.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DAY	OCT	NOV
1	27.0	22.0	16	21.0	22.0
2	27.0	22.0	17	20.5	19.0
3	27.5	---	18	20.5	18.5
4	27.0	22.5	19	20.0	18.5
5	27.5	23.0	20	20.5	---
6	---	21.5	21	21.5	---
7	26.0	21.0	22	22.0	---
8	21.0	20.0	23	22.0	---
9	21.0	18.5	24	22.0	---
10	21.5	19.0	25	22.5	---
11	21.5	19.0	26	23.0	---
12	21.5	21.0	27	22.5	---
13	21.5	22.5	28	23.0	---
14	21.0	22.5	29	23.0	---
15	21.0	23.0	30	22.5	---
			31	23.0	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DAY	OCT	NOV
1	5500	10000	16	7700	9300
2	5500	9200	17	6700	9200
3	5600	---	18	6800	9300
4	5600	8200	19	6700	8100
5	5500	7700	20	6700	8400
6	---	8300	21	7600	---
7	5500	8400	22	7500	---
8	5200	7900	23	7300	---
9	6800	8600	24	7200	---
10	5900	8500	25	9200	---
11	6800	9700	26	8500	---
12	8300	8300	27	7400	---
13	8700	9300	28	7300	---
14	8400	8700	29	9600	---
15	7500	9200	30	8600	---
			31	8700	---

CALCASIEU RIVER BASIN

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301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
SAMPLING DEPTH 15.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DAY	OCT	NOV
1	6500	10000	16	7800	9900
2	6400	9800	17	6700	9000
3	6000	---	18	8500	9100
4	6100	9500	19	8300	8700
5	6000	9400	20	8200	8300
6	---	9000	21	8700	---
7	---	8400	22	8300	---
8	7200	9600	23	8100	---
9	7600	9600	24	7800	---
10	7300	9700	25	8600	---
11	7400	9600	26	9500	---
12	7100	9400	27	8800	---
13	7100	10000	28	7600	---
14	8800	9700	29	8400	---
15	8700	9700	30	9000	---
			31	9100	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
SAMPLING DEPTH 25.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DAY	OCT	NOV
1	7000	10000	16	7700	10000
2	7400	11000	17	8400	9200
3	7100	---	18	9000	9200
4	7000	9200	19	8800	9600
5	7500	9900	20	9200	9300
6	---	9500	21	8700	---
7	5800	8700	22	8900	---
8	8100	9700	23	9600	---
9	8400	10000	24	9400	---
10	7600	10000	25	8000	---
11	7600	10000	26	8400	---
12	7400	10000	27	9500	---
13	6900	10000	28	9100	---
14	6500	10000	29	7900	---
15	7600	9800	30	10000	---
			31	9200	---

CALCASIEU RIVER BASIN

300514093172800 INTRACOASTAL WATERWAY AT CALCASIEU LOCK, NEAR GRAND LAKE, LA (CE 76880)

LOCATION.--Lat 30°05'14", long 93°17'28", T.11 S., R.9 W., Calcasieu Parish, Hydrologic Unit 08090206, 4.1 mi (6.6 km) north of Grand Lake.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year (discontinued).

CHLORIDE: October 1974 to current year (discontinued).

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 33.0°C July 3, 1977; minimum daily, 4.5°C Jan. 20, 21, 1978.

CHLORIDE: Maximum daily, 11,000 mg/L Oct. 22, 1976; minimum daily, 20 mg/L Aug. 10, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 27.0°C Oct. 6; minimum daily, 23.0°C Oct. 9, 10, 11.

CHLORIDE: Maximum daily, 8,800 mg/L Oct. 1; minimum daily, 3,100 mg/L Oct. 10.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0					16	---					
2	26.5					17	---					
3	26.5					18	---					
4	26.0					19	---					
5	26.0					20	---					
6	27.0					21	---					
7	25.0					22	---					
8	24.0					23	---					
9	23.0					24	---					
10	23.0					25	---					
11	23.0					26	---					
12	24.0					27	---					
13	24.0					28	---					
14	24.0					29	---					
15	---					30	---					
						31	---					

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8800					16	---					
2	8200					17	---					
3	7400					18	---					
4	6100					19	---					
5	5300					20	---					
6	7000					21	---					
7	6300					22	---					
8	6700					23	---					
9	4800					24	---					
10	3100					25	---					
11	6100					26	---					
12	---					27	---					
13	---					28	---					
14	---					29	---					
15	---					30	---					
						31	---					

08030500 SABINE RIVER NEAR RULIFF, TX
(Radiochemical and national stream-quality accounting network)

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, at downstream side of bridge on 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).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1924 to current year.

REVISED RECORDS.--WSP 1282: 1941(M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4.08 ft (1.244 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1941, non-recording 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); 13 years (water years 1967-79) regulated, 7,645 ft³/s (216.5 m³/s), 5,539,000 acre-ft/yr (6.83 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, 42,000 ft³/s (1,190 m³/s) Apr. 23, gage height, 15.35 ft (4.679 m); minimum daily, 425 ft³/s (12.0 m³/s) Nov. 4.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2720	458	3380	2960	28000	23500	10700	20200	20100	2250	7690	4650
2	1450	448	3460	5580	27200	22500	9800	19700	20600	1790	6170	4750
3	998	433	3040	8050	26900	22200	10800	19300	21100	1580	5780	4900
4	850	425	2590	9880	26400	21200	15300	19000	22100	1840	5560	4560
5	777	440	2260	11300	26700	21500	18700	17400	22500	3380	5400	3440
6	715	1260	3340	12800	27500	24100	22800	15200	21900	4190	5240	3830
7	1180	1220	4820	13000	27300	26000	27300	13500	21200	4460	4690	4490
8	2540	883	5550	15100	29200	27500	27900	12900	21100	4550	3640	4820
9	1730	1450	6180	16500	31400	28600	27100	13400	21600	4780	4340	4780
10	1000	1170	6770	17600	32600	27900	26100	14500	22300	4640	4950	4620
11	724	783	6900	14900	30000	26800	25200	15500	22400	3880	5190	4020
12	639	605	5630	18900	28100	25000	24400	16600	22000	4370	5190	2910
13	600	534	4430	17200	26300	22900	23800	17700	21000	4940	5120	3450
14	577	500	4620	14400	24400	21500	23200	18800	19900	5300	4650	3890
15	546	496	4740	12900	23200	20300	22900	19400	19200	5420	3610	4090
16	524	2220	4650	11300	21900	19700	22600	19900	18600	5610	4100	4110
17	506	5010	4710	10300	20200	19300	22200	20500	18400	5910	4680	4100
18	491	5310	5010	9650	19000	18800	22300	20500	18100	5410	4940	3750
19	475	3550	5210	9260	18200	18800	23100	20000	18000	5280	4900	3100
20	465	2420	4740	10100	18200	20400	28500	19100	17200	5700	4800	6370
21	462	1820	4130	11400	18900	22900	33100	18100	15400	6070	4430	11000
22	464	1600	3660	13300	19400	25800	35500	17500	14000	6180	4310	14600
23	460	1550	3280	15900	20100	28300	41100	17400	13500	6020	3900	16200
24	454	1390	3290	19700	19800	30700	39000	16700	13500	5640	4350	16100
25	448	1170	2710	23100	19400	30300	33200	16100	12700	6700	4480	14000
26	450	1070	1770	24200	20000	28700	28400	14900	11400	10300	4470	9890
27	444	1250	1290	24600	21800	26900	26200	13400	10100	12200	4460	7770
28	448	1620	1090	25700	23300	24200	23800	13000	8840	12400	4060	8110
29	457	2690	1010	27100	---	21300	22000	13700	5720	11700	3250	9490
30	469	3230	1070	24300	---	18300	21000	16000	3390	11200	3840	10900
31	470	---	1410	24500	---	14500	---	18700	---	10300	4410	---
TOTAL	24533	47015	116640	490480	675400	729400	738700	528700	517850	183990	146600	202690
MEAN	791	1567	3763	15820	24120	23530	24600	17050	17260	5935	4729	6756
MAX	2720	5310	6900	28590	32600	30700	41100	20600	22500	12400	7690	16200
MIN	444	425	1010	2960	18200	14500	9800	12900	3390	1580	3250	2910
AC-FI	48060	23250	231400	972900	1340000	1447000	1464000	1049000	1027000	364900	290800	402000
CAL YR 1978 TOTAL	1312728	MEAN	3597	MAX	16100	MIN	425	AC-FI	2604000			
WTR YR 1979 TOTAL	4401290	MEAN	12060	MAX	41100	MIN	425	AC-FI	8730000			

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.23	1.63	8.47	7.78	14.88	14.51	12.97	14.05	14.04	6.71	12.15	10.25
2	4.62	1.59	8.58	10.88	14.81	14.42	12.79	14.01	14.08	5.76	11.45	10.34
3	3.22	1.53	7.92	12.27	14.78	14.35	13.02	13.98	14.12	5.25	11.23	10.47
4	2.96	1.50	6.99	12.87	14.73	14.28	13.74	13.96	14.19	5.81	11.11	10.14
5	2.73	1.56	6.53	13.24	14.76	14.30	14.08	13.81	14.22	8.65	10.98	8.76
6	2.53	4.10	8.36	13.52	14.83	14.39	14.33	13.59	14.18	9.74	10.85	9.32
7	3.79	4.01	10.18	13.82	14.82	14.55	14.62	13.38	14.12	10.04	10.35	10.07
8	6.95	3.06	10.80	13.94	14.98	14.68	14.67	13.29	14.12	10.14	9.16	10.40
9	5.28	4.63	11.26	13.98	15.09	14.73	14.60	13.36	14.16	10.37	10.01	10.37
10	3.40	3.88	11.64	14.08	15.14	14.67	14.51	13.51	14.21	10.22	10.61	10.22
11	2.56	2.75	11.71	14.19	15.01	14.57	14.45	13.63	14.21	9.39	10.81	9.49
12	2.28	2.16	10.90	14.20	14.89	14.47	14.40	13.74	14.19	9.94	10.81	7.89
13	2.14	1.92	9.91	14.04	14.73	14.35	14.36	13.84	14.11	10.50	10.75	8.72
14	2.06	1.80	10.11	13.73	14.60	14.28	14.32	13.94	14.03	10.80	10.33	9.30
15	1.92	1.78	10.23	13.54	14.52	14.21	14.30	13.99	13.97	10.89	9.11	9.53
16	1.88	6.01	10.15	13.26	14.43	14.16	14.28	14.03	13.92	11.02	9.72	9.56
17	1.82	10.23	10.20	13.03	14.30	14.13	14.25	14.07	13.90	11.23	10.37	9.54
18	1.76	10.50	10.47	12.84	14.20	14.09	14.26	14.08	13.88	10.86	10.60	9.05
19	1.70	8.60	10.22	12.73	14.14	14.05	14.31	14.04	13.87	10.78	10.57	8.11
20	1.66	6.81	10.22	12.97	14.14	14.22	14.72	13.96	13.79	11.11	10.49	11.25
21	1.65	5.63	9.58	13.27	14.19	14.40	14.96	13.87	13.61	11.39	10.10	13.07
22	1.65	5.10	8.99	13.59	14.23	14.58	15.07	13.82	13.46	11.46	8.81	13.66
23	1.64	5.00	8.40	13.92	14.29	14.81	15.30	13.81	13.39	11.35	9.49	13.85
24	1.61	4.56	8.42	14.26	14.27	14.96	15.19	13.74	13.41	11.07	10.02	13.84
25	1.59	3.98	7.45	14.51	14.24	14.94	14.91	13.68	13.30	11.59	10.17	13.59
26	1.60	3.71	5.60	14.59	14.28	14.84	14.67	13.55	13.07	12.91	10.15	12.84
27	1.58	4.21	4.39	14.61	14.42	14.69	14.47	13.36	12.83	13.32	10.14	12.22
28	1.59	5.13	3.87	14.68	14.52	14.49	14.31	13.30	12.48	13.37	9.66	12.36
29	1.63	7.33	3.64	14.80	---	14.28	14.18	13.40	11.07	13.23	8.55	12.78
30	1.68	8.23	3.80	14.91	---	14.04	14.11	13.66	8.63	13.14	9.43	13.08
31	1.68	---	4.73	14.92	---	13.64	---	13.93	---	12.92	10.04	---
MEAN	2.59	4.43	8.51	13.52	14.58	14.42	14.34	13.75	13.55	10.48	10.26	10.80
MAX	7.23	10.50	11.71	14.92	15.14	14.96	15.30	14.08	14.22	13.37	12.15	13.85
MIN	1.58	1.50	3.64	7.78	14.14	13.64	12.79	13.29	8.63	5.25	8.55	7.89

WATER-QUALITY RECORDS

WATER TEMPERATURES: October 1947 to current year

REMARKS.--Data furnished by Texas District. Daily values for the 1979 water year are available from the Texas Report.

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DIS-SOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 31...	1150	187	6.8	21.5	70	10	8.2	95	1.0	6	250	33
NOV 21...	1105	82	6.2	16.0	180	20	7.9	82	2.5	100	38	18
DEC 19...	1615	196	6.9	14.5	40	20	10.0	101	2.2	36	16	37
FEB 08...	1525	176	6.1	7.5	65	20	9.9	85	1.7	--	--	30
27...	1255	158	6.0	10.5	70	10	9.3	86	1.0	400	150	32
MAR 22...	1130	168	6.6	15.5	60	20	7.6	78	1.6	210	170	29
MAY 16...	1130	151	6.7	22.5	60	14	7.0	82	1.3	30	40	26
JUL 19...	1345	--	--	28.0	100	--	6.5	83	.7	100	6	--
AUG 23...	1545	--	--	30.0	25	--	6.5	87	.9	--	--	--
SEP 28...	1105	--	--	--	40	--	--	--	--	--	--	--

[illegible]

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)
OCT 31...	20	21	.1	16	120	119	.16	18	--	5
NOV 21...	15	9.3	.0	8.3	66	54	.09	37	--	13
DEC 19...	19	27	.1	8.0	114	109	.16	46	--	7
FEB 08...	16	24	.1	6.7	111	88	.15	36	--	3
27...	12	28	.1	4.6	107	89	.15	21	--	9
MAR 22...	17	25	.1	5.0	101	88	.14	12	--	8
MAY 16...	16	19	.1	5.6	98	78	.13	25	16	9
JUL 19...	--	--	--	--	--	--	--	--	--	--
AUG 23...	--	--	--	--	--	--	--	--	--	--
SEP 28...	--	--	--	--	--	--	--	--	--	--

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORG. ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)
OCT 31...	.03	.01	.04	.03	--	.08	.11	--	.62
NOV 21...	.06	.01	.07	.03	--	.57	.60	--	1.0
DEC 19...	.04	.00	.04	.01	--	.43	.44	--	.49
FEB 08...	.07	.02	.09	.01	--	.41	.42	.00	.44
27...	.01	.00	.01	.01	--	.44	.45	.08	.37
MAR 22...	.02	.00	.02	.01	--	.48	.49	.07	.42
MAY 16...	.00	.02	.01	.02	.02	.43	.45	.07	.38
JUL 19...	.06	.02	.08	.09	.11	.29	.38	.01	.37
AUG 23...	.06	.02	.08	.01	.01	.13	.14	--	--
SEP 28...	.01	.02	.03	.03	.04	.91	.94	.33	.61

DATE	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
OCT 31...	.15	.66	.04	--	--	.02	3.9	--	--
NOV 21...	.67	3.0	.06	--	--	.02	17	--	--
DEC 19...	.48	2.1	.13	--	--	.02	--	6.7	.4
FEB 08...	.51	2.3	.03	--	--	.02	7.0	--	--
27...	.46	2.0	.01	--	--	.03	11	--	--
MAR 22...	.51	2.3	.03	--	--	.00	--	--	1.0
MAY 16...	.46	2.0	.03	.09	.09	.01	9.1	--	--
JUL 19...	.46	2.0	.04	--	.12	.03	10	--	--
AUG 23...	.22	.97	.04	--	.12	--	--	--	--
SEP 28...	.97	4.3	.02	--	.06	.01	8.6	--	--

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
DEC 19...	1	0	100	0	100	0	0	0	10	10
MAR 22...	1	0	0	0	50	1	0	<1	0	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
DEC 19...	0	2	1	1	6	4	2	660	580	80
MAR 22...	0	0	0	<3	17	15	2	480	330	150

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
DEC 19...	6	0	6	100	100	0	.0	.0	.0
MAR 22...	29	29	0	40	30	9	.0	.0	.0

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
DEC 19...	0	0	1	0	0	0	0	0	0
MAR 22...	0	0	0	0	0	0	50	50	<3

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

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)
NOV 21...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 08...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
27...	.0	0	.00	.0	.0	0	.00	.0	.00	.0	.00
MAR 22...	--	--	--	--	--	--	--	--	--	--	--

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 21...	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
FEB 08...	--	ND	--	ND	--	--	ND	--	ND	--
27...	.0	.00	--	.00	.0	.00	.00	.0	.00	--
MAR 22...	--	--	--	--	--	--	--	--	--	--

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT, IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)
NOV 21...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 08...	ND	--	ND	--	ND	--	ND	--	ND	--
27...	.00	.0	.00	.0	.00	.0	.00	--	--	--
MAR 22...	--	--	--	--	--	--	--	--	--	--

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 21...	ND	ND	ND	ND	--	ND	ND	--	ND	ND
FEB 08...	ND	--	ND	--	--	ND	--	--	ND	--
27...	.00	--	.00	--	.00	.00	--	.00	0	0
MAR 22...	--	--	--	--	--	--	--	--	--	--

DATE	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	CHLOR-A PERI- PHYTON CHROMO- FLUOROM (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)
NOV 21...	ND	ND	--	--	--	290	--	--	--	--
FEB 08...	ND	--	--	--	--	--	--	--	--	--
27...	.00	--	.00	.00	.00	--	1.18	1.42	.170	.000
MAR 22...	--	--	--	--	--	1200	--	--	--	--

ND Material specifically analyzed for but not detected.

SABINE RIVER BASIN

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08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP., SIEVE DIAM. % FINER THAN .062 MM
OCT 31...	8	92
NOV 21...	19	71
DEC 19...	38	80
FEB 08...	49	29
27...	64	33
MAR 27...	11	62
MAY 16...	26	80

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 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 1979

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin							
02490113	Bogue Lusa Creek at State Highway 21, at Bogalusa, La.	Lat 30°46'52", long 89°52'07", Washington Parish, at bridge 1.4 mi (2.3 km) southeast of Bogalusa water tower.	75.9	1969-79	4-24-79	78.09	5,590
02490130	Coburn Creek at Bogalusa, La.	Lat 30°47'46", long 89°50'46", Washington Parish, at bridge on State Highway 21, and 1.0 mi (1.6 km) southeast of Bogalusa water tower.	7.96	1969-79	4-24-79	3.22	(†)
02491200	Silver Springs Creek near Clifton, La.	Lat 30°55'30", long 90°14'30", Washington Parish, at bridge on State Highway 38, and 3.6 mi (5.8 km) west of Clifton.	50.1	1966-79	4-24-79	7.82	3,280
02491350	Hays Creek near Franklinton, La.	Lat 30°53'16", long 90°11'28", Washington Parish, at bridge on State Highway 25, and 3.4 mi (5.5 km) northwest of Franklinton water tower.	42.2	1966-79	4-24-79	11.25	2,250
02491700	Lawrence Creek near Franklinton, La.	Lat 30°50'55", long 90°06'55", Washington Parish, at bridge on State Highway 10, and 2.0 mi (3.2 km) east of Franklinton.	44.2	1964-79	4-24-79	11.11	4,320
Bayou Sara basin							
07373400	Little Bayou Sara near Turnbull, La.	Lat 30°58'15", long 91°28'50", West Feliciana Parish, at bridge on State Highway 968, and 1.2 mi (1.9 km) northwest of Turnbull.	22.3	1950-61, 1963-68, 1974-79	1979	<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 mi (0.8 km) west of Jackson.	99.3	1949-59, 1972-73, 1975-79	4-22-79	88.90	22,900
07373700	Thompson Creek near Starhill, La.	Lat 30°44'55", long 91°17'05", East Feliciana-West Feliciana Parish line, at bridge on U.S. Highway 61, and 1.7 mi (2.7 km) southeast of Starhill.	249	1949-68, 1973, 1975-79	4-22-79	47.62	(†)
07373800	Alexander Creek near St. Francisville, La.	Lat 30°42'55", long 91°22'05", West Feliciana Parish, at bridge on State Highway 10, 1.0 mi (1.6 km) northeast of St. Francisville.	23.9	1953-68, 1971-73, 1975-79	4-22-79	11.17	5,850
Bayou Baton Rouge basin							
07373900	Bayou Baton Rouge above Baker, La.	Lat 30°37'20", long 91°12'35", East Baton Rouge Parish, at bridge on unnumbered parish road, and 3.4 mi (5.5 km) northwest of Baker.	13.7	1953-68*, 1975-79	4-22-79	22.60	4,050
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 mi (14.5 km) southwest of Franklinton.	53.1	1949-68, 1975-76†, 1978-79	4-23-79	46.08	6,000

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
Mississippi River Delta--Continued							
07375170	Bogue Falaya at Covington, La.	Lat 30°29'58", long 91°05'04", St. Tammany Parish, at bridge on State Highway 437, and 1.0 mi (1.6 km) northeast of Covington.	88.2	1964-79	4-24-79	9.38	2,470
07375222	Abita River north of Abita Springs, La.	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mi (0.3 km) north of Abita Springs.	46.1	1966-79	2-27-79	21.05	2,150
07375300	Tangipahoa River near Kentwood, La.	Lat 30°56'15", long 90°29'25", Tangipahoa Parish, at bridge on State Highway 38, and 1.1 mi (1.8 km) east of Kentwood.	a296	1951-68, 1975-79	2-25-79	14.32	(†)
07375307	Terrys Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 mi (8.2 km) northeast of Kentwood.	52.0	1966-79	2-25-79	12.77	(†)
07375453	Lanier Creek near Loranger, La.	Lat 30°36'25", long 90°24'35", Tangipahoa Parish, at culvert on State Highway 442, and 2.3 mi (3.7 km) south of Loranger.	.83	1967-71, 1974-79	4-23-79	8.72	(†)
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 mi (3.1 km) southeast of Husser.	31.7	1966-79	4-23-79	24.69	2,970
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 mi (7.2 km) southeast of Loranger.	91.0	1964-79	4-23-79	12.18	7,300
07375600	Washley Creek near Robert, La.	Lat 30°30'20", long 90°18'30", Tangipahoa Parish, at bridge on U.S. Highway 190, and 2.0 mi (3.2 km) east of Robert.	25.3	1951-79	4-23-79	10.59	2,550
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 mi (1.6 km) north of Liverpool.	89.7	1956-68††, 1969-79	4-23-79	12.07	(†)
07375960	Tickfaw River at Montpelier, La.	Lat 30°41'10", long 90°38'35", St. Helena Parish, at bridge on State Highway 16, and 0.5 mi (0.8 km) northeast of Montpelier.	220	1951-68, 1975-79	4-23-79	105.85	19,500
07376285	Hickory Branch near Albany, La.	Lat 30°28'00", long 90°36'35", Livingston Parish, at culvert on unnumbered parish road, 2.3 mi (3.7 km) southeast of junction with State Highway 441, and 3.0 mi (4.8 km) southwest of Albany.	1.25	1966-71, 1974-79	4-23-79	11.36	(†)
07376290	Blood River near Springfield, La.	Lat 30°26'19", long 90°36'37", Livingston Parish, at bridge on State Highway 42, and 3.7 mi (6.0 km) northwest of Springfield.	26.6	1964-79	4-23-79	19.24	2,640
07376520	Little Natalbany River at Albany, La.	Lat 30°30'15", long 90°34'40", Livingston Parish, at bridge on U.S. Highway 190, and 0.3 mi (0.5 km) east of Albany.	40.6	1966-79	4-23-79	24.26	3,130
07376600	Ponchatoula Creek at Natalbany, La.	Lat 30°33'40", long 90°28'55", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.0 mi (1.6 km) north of Natalbany.	13.8	1951-79	4-23-79	11.65	1,490
07377190	Sandy Creek south-east of Clinton, La.	Lat 30°50'05", long 90°57'50", East Feliciana Parish, at bridge on State Highway 63, and 5.9 mi (9.5 km) southeast of Clinton.	17.2	1966-79	4-22-79	13.46	3,370
07377210	Sandy Creek near Pride, La.	Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carlson Road, 0.8 mi (1.3 km) east of intersection of Carlson Road with State Highway 409, and 1.9 mi (3.1 km) southeast of Pride.	(**)	1976-79	4-22-79	19.18	(†)
07377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mi (0.6 km) east of Magnolia.	884	1949-79	4-23-79	46.51	39,700
07377700	Redwood Creek near Slaughter, La.	Lat 30°43'44", long 91°06'54", East Feliciana Parish, at bridge on State Highway 412, and 2.0 mi (3.2 km) northeast of Slaughter.	41.1	1966-68†, 1969-79	2-24-79	17.79	3,230

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 1979--Continued

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Mississippi River Delta--Continued							
07378070	Beaver Bayou near Fred, La.	Lat 30°37'32", long 91°03'08", East Baton Rouge Parish, at bridge on State Highway 964, 0.2 mi (0.3 km) southwest of intersection of State Highways 64 and 964, and 3.6 mi (5.8 km) southeast of Fred.	(**)	1975-79	2-24-79	11.86	(†)
07380160	Middle Colyell Creek near Walker, La.	Lat 30°29'45", long 90°50'30", Livingston Parish, at bridge on U.S. Highway 190, and 1.3 mi (2.1 km) east of Walker.	20.3	1951-79	4-23-79	6.09	1,820
07381413	Intracoastal Waterway tributary near Port Allen, La.	Lat 30°26'42", long 91°13'53", West Baton Rouge Parish, on Interstate Highway 10, 0.2 mi (0.3 km) upstream from mouth, and 1.4 mi (2.3 km) southwest of Port Allen.	9.08	1971-79	4-22-79	10.64	(†)

† Discharge not determined.

< Less than amount shown.

* Datum different and unknown.

† Operated as a flood-profile partial-record station.

†† Operated as a continuous-record gaging station.

** Drainage area not determined.

a Including Terrys Creek.

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 1979

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Pearl River basin						
02491800	Bogue Chitto at Enon, La.	Lat 30°43'10", long 90°05'00", St. Tammany Parish, at bridge on State Highway 437, 0.5 mi (0.8 km) south of Enon.	1,107	1949-63, 1973-79	2-27-79	*14.87
02492663	French Branch near Slidell, La.	Lat 30°17'40", long 89°44'10", St. Tammany Parish, at bridge on State Highway 1092, 3.5 mi (5.6 km) northeast of Slidell.	(†)	1966-79	9-22-79	*10.19
Bayou Baton Rouge basin						
07373970	Baker Canal at Baker, La.	Lat 30°35'19", long 91°10'24", East Baton Rouge Parish, at bridge on parish road, 0.3 mi (0.5 km) west of Baker.	(†)	1962-79	1979	<64.26
07373980	Baker Canal near Baker, La.	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 mi (4.3 km) southwest of Baker.	(†)	1962-79	1979	<58.51
07373993	Monte Sano Bayou at Ryan Airport, at Baton Rouge, La.	Lat 30°32'08", long 91°09'92", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 mi (9.8 km) north of Baton Rouge Post Office.	(†)	1975-79	4-22-79	56.95
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.	(†)	1975-79	4-22-79	46.83
Mississippi River Delta						
07374570	Oakes diversion channel at Slidell, La.	Lat 30°17'35", long 89°46'00", St. Tammany Parish, at culvert on Roberts Road, 0.4 mi (0.6 km) north of Couss Road, at Slidell.	(†)	1966-79	9-22-79	*7.26
07375410	Tangipahoa River at Tangipahoa, La.	Lat 30°52'36", long 90°29'44", Tangipahoa Parish, at bridge on State Highway 440, and 1.0 mi (1.6 km) east of Tangipahoa.	340	1959-65, 1967-75, 1978-79	2-25-79	*12.23
07375420	Tangipahoa River at Arcola, La.	Lat 30°46'30", long 90°29'53", Tangipahoa Parish, at bridge on State Highway 10, and 0.7 mi (1.1 km) east of Arcola.	381	1959-65, 1967-79	2-25-79	*22.62
07377150	Amite River at Grangeville, La.	Lat 30°44'10", long 90°50'30", East Feliciana-St. Helena Parish line, at bridge on State Highway 37, and 0.5 mi (0.8 km) southwest of Grangeville.	741	1951-63a, 1964-79	4-23-79	110.51
07377215	Little Sandy Creek near Milldale, La.	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi (4.7 km) north of Milldale, La.	(†)	1975-79	4-22-79	13.23
07377400	Comite River near Clinton, La.	Lat 30°51'30", long 91°02'20", East Feliciana Parish, at bridge on State Highway 10, and 1.3 mi (2.1 km) west of Clinton.	b112	1949-65a, 1969-79	4-22-79	179.32
07377750	Comite River near Zachary, La.	Lat 30°38'35", long 91°05'40", East Baton Rouge Parish, at bridge on State Highway 64, and 3.7 mi (6.0 km) east of Zachary.	230	1951-63a, 1964-79	4-22-79	88.70
07377760	Comite River at Comite Drive, near Baton Rouge, La.	Lat 30°33'24", long 91°05'53", East Baton Rouge Parish, at bridge 9.0 mi (14.5 km) northeast of Baton Rouge Post Office.	(†)	1962-79	4-22-79	61.41
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, 1977-79	4-22-79	91.21
07377840	White Bayou near Baton Rouge, La.	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi (16.1 km) northeast of Baton Rouge Post Office.	(†)	1962-79	4-22-79	68.73

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
07377890	Cypress Bayou at Baker, La.	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mi (0.3 km) east of State Highway 19 at Baker.	(*)	1967-79	1979	<67.49
07377900	Cypress Bayou at Plank Road, near Baton Rouge, La.	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi (11.1 km) northeast of Baton Rouge Post Office.	(*)	1962-65, 1967-79	4-22-79	54.36
07377920	Cypress Bayou at Hooper Road, near Baton Rouge, La.	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi (11.3 km) northeast of Baton Rouge Post Office.	(*)	1962-79	4-22-79	51.78
07377933	Blackwater Bayou near Fred, La.	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, and 3.8 mi (6.1 km) southeast of Fred.	(*)	1975-79	4-22-79	*11.57
07377940	Blackwater Bayou near Baton Rouge, La.	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi (13.7 km) northeast of Baton Rouge Post Office.	14.1	1962-79	4-22-79	51.47
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 mi (6.3 km) northeast of Baton Rouge Post Office.	(*)	1967-79	4-22-79	43.54
07378010	Hurricane Creek near Baton Rouge, La.	Lat 30°28'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 mi (10.0 km) northeast of Baton Rouge Post Office.	(*)	1962-79	4-22-79	46.55
07378015	Roberts Canal at Baton Rouge, La.	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silverleave Ave. 5.3 mi (8.5 km) northeast of Baton Rouge Post Office.	(*)	1967-79	3- 2-79 4-22-79	50.14 48.47
07378020	Roberts Canal near Baton Rouge, La.	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi (10.6 km) northeast of Baton Rouge Post Office.	(*)	1962-79	3- 2-79 4-22-79	32.78 <40.89
07378050	Comite River at Greenwell Springs Road, near Baton Rouge, La.	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge 9.4 mi (15.1 km) northeast of Baton Rouge Post Office.	(*)	1962-79	4-22-79	44.66
07378075	Beaver Bayou at Denham Road, near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi (22.0 km) northeast of Baton Rouge Post Office.	(*)	1972-79	4-22-79	*15.28
07378100	Beaver Bayou at Wax Road, near Baton Rouge, La.	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 mi (19.0 km) northeast of Baton Rouge Post Office.	(*)	1972-79	4-22-79	*15.70
07378595	Jones Creek at Airline Highway, at Baton Rouge, La.	Lat 30°27'12", long 91°05'15", East Baton Rouge Parish, at culvert, 5.1 mi (8.2 km) northeast of Baton Rouge Post Office.	(*)	1967-79	4-22-79	c47.45
07378600	Jones Creek at Florida Blvd., at Baton Rouge, La.	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 mi (10.5 km) east of Baton Rouge Post Office.	(*)	1962-79	4-22-79	42.28
07378635	Lively Bayou north- east of Baton Rouge, La.	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi (14.5 km) northeast of Baton Rouge Post Office.	(*)	1967-79	4-22-79	d41.15
07378640	Lively Bayou east of Baton Rouge, La.	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi (14.3 km) east of Baton Rouge Post Office.	(*)	1967-79	4-22-79	38.92

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1979--Continued

					Flood peak	
		Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
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 mi (14.2 km) southeast of Baton Rouge Post Office.	(+)	1967-79	4-22-79	37.06
07378650	Jones Creek at Old Hammond Hwy., near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi (13.5 km) east of Baton Rouge Post Office.	(+)	1962-79	4-22-79	36.40
07378670	Weiner Creek near Baton Rouge, La.	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge on Aubin Lane, 7.3 mi (11.7 km) southeast of Baton Rouge Post Office.	(+)	1967-79	4-22-79	e42.30
07378700	Jones Creek near Woodlawn School, near Baton Rouge, La.	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Road, 1.6 mi (2.6 km) north of Woodlawn School, and 10.5 mi east of Baton Rouge Post Office.	19.5	1967-79	4-22-79	28.85
07378710	Amite River near Baton Rouge, La.	Lat 30°23'52", long 90°58'23", East Baton Rouge Parish, 0.2 mi (0.3 km) downstream from Jones Creek, and 13 mi (20.9 km) southeast of Baton Rouge Post Office.	(+)	1968-79	4-23-79	25.67
07378720	Clay Cut Bayou at Siegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 mi (12.7 km) southeast of Baton Rouge Post Office.	(+)	1967-79	4-22-79	25.99
07378725	Clay Cut Bayou near Hope Villa, La.	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 mi (3.7 km) northeast of Hope Villa.	(+)	1967-79	4-22-79	22.66
07378780	Bayou Fountain at Ben Hur Road, at Baton Rouge, La.	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 mi (6.8 km) southeast of Baton Rouge Post Office.	(+)	1962-79	4-22-79	19.14
07378800	Bayou Fountain at Gardere Lane, near Baton Rouge, La.	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 mi (11.1 km) southeast of Baton Rouge Post Office.	(+)	1962-66, 1969-79	4-22-79	16.55
07378805	Bayou Fountain tributary near Baton Rouge, La.	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 mi (14.6 km) southeast of Baton Rouge Post Office.	(+)	1967-79	4-22-79	14.38
07379010	Ward Creek at College Drive at Baton Rouge, La.	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 mi (5.6 km) southeast of Baton Rouge Post Office.	(+)	1967-1969-79	4-22-79	37.12
07379050	Ward Creek at Essen Lane near Baton Rouge, La.	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi (9.2 km) southeast of Baton Rouge Post Office.	(+)	1962-71, 1975-79	4-22-79	26.63
07379090	North Branch Ward Creek at Goodwood Blvd., at Baton Rouge, La.	Lat 30°26'34", long 91°05'57", East Baton Rouge Parish, at bridge 5.5 mi (8.9 km) southeast of Baton Rouge Post Office.	(+)	1967-79	4-22-79	35.98
07379100	North Branch Ward Creek at Baton Rouge, La.	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Post Office.	(+)	1962-79	1979	<28.46
07379400	Dawson Creek at Perkins Road, at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 mi (6.6 km) southeast of Baton Rouge Post Office.	(+)	1962-79	4-22-79	23.23
07379502	Corporation Canal at Oklahoma St., at Baton Rouge, La.	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mi (1.6 km) south of Baton Rouge Post Office.	.56	1971-79	4-22-79	24.13
07379503	Corporation Canal at East Roosevelt St., at Baton Rouge, La.	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 mi (3.2 km) southeast of Baton Rouge Post Office.	f1.31	1971-79	4-22-79	23.64
07379505	Corporation Canal at Chimes St., at Baton Rouge, La.	Lat 30°25'02", long 91°10'22", East Baton Rouge Parish, at bridge 2.4 mi (3.9 km) southeast east of Baton Rouge Post Office.	f1.44	1971-79	4-22-79	23.12

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 1979--Continued

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
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 mi (2.3 km) southeast of Baton Rouge Post Office.	1.64	1971-79	4-22-79	23.08
07379508	Corporation Canal at Stanford Ave., at Baton Rouge, La.	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 mi (5.1 km) southeast of Baton Rouge Post Office.	2.43	1971-79	4-22-79	23.12
07379550	Bayou Duplanier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 mi (6.1 km) south of Baton Rouge Post Office.	(†)	1962-79	4-22-79	22.79
07379950	Dawson Creek at Staring Lane, near Baton Rouge, La.	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 mi (.7 km) southeast of Baton Rouge Post Office.	(†)	1962-79	4-22-79	22.50
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mi (0.8 km) downstream from Dawson Creek, and 8.5 mi (13.7 km) southeast of Baton Rouge Post Office.	40.0	1947-54g, 1955-68a, 1972-79	4-22-79	20.44
07380223	New River at Gonzales, La.	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mi (0.8 km) northeast of Gonzales water tower.	(†)	1963-79	4-22-79	10.15
07380226	Bayou Francois near Gonzales, La.	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi (2.9 km) west of Gonzales water tower.	(†)	1963-79	4-22-79	6.87
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi (0.6 km) southwest of Gonzales water tower.	(†)	1963-79	4-22-79	9.18
Mermentau River basin						
08012431	East Bayou Lacassine at Welsh, La.	Lat 30°13'50", long 92°49'15", Jefferson Davis Parish, at bridge on parish road, 0.6 mi (1.0 km) south of Welsh.	(†)	1978-79	9-20-79	17.10
08012436	Bayou Grand Marais near Jennings, La.	Lat 30°13'53", long 92°41'25", Jefferson Davis Parish, at bridge on U.S. Highway 90, and 2.0 mi (3.2 km) west of Jennings.	(†)	1978-79	9-20-79	14.66
08012445	Bayou Chene near Welsh, La.	Lat 30°09'24", long 92°46'06", Jefferson Davis Parish, at bridge on parish road, 6.0 mi (9.7 km) southeast of Welsh.	106	1969-79	9-20-79	*19.47

* Gage datum; NGVD of gage not determined.

† Not determined.

< Less than amount shown.

a Operated as a crest-stage partial-record station.

b Including Pretty Creek.

c Prior to Oct. 1, 1976, at datum 41.60 ft higher.

d Prior to Oct. 1, 1975, at datum 33.23 ft higher.

e Prior to Oct. 1, 1976, at datum 32.58 ft higher.

f Approximately.

g Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1979

Stream	Tributary to	Location	Drainage area	Measured previously (water years)	Date	Measurements Discharge
Pearl River basin						
Pearl River	Lake Borgne	Lat 30°18'10", long 89°38'30", St. Tammany Parish, at bridge on Interstate Highway 10, 8.8 mi (14.2 km) east of Slidell.	(+)	1961,74	4-24-79 4-26-79 5- 1-79	113,000 149,000 90,300
Mississippi River main stem						
Mississippi River	Gulf of Mexico	Lat 30°30'25", long 91°11'55", East Baton Rouge-West Baton Rouge Parish line, at bridge on U.S. Highway 190, at Baton Rouge.	*1,243,500	1941-58†, 1973-77	3-17-79 3-18-79 3-19-79 3-19-79 3-20-79 3-22-79 3-23-79 3-24-79 3-25-79 3-26-79 4-16-79 4-17-79 4-18-79 4-19-79 4-20-79 4-21-79 4-22-79 4-23-79 4-24-79 4-25-79 4-27-79 4-28-79 4-29-79 4-20-79 5- 2-79 5- 3-79 5- 4-79 5- 5-79 5- 6-79 5- 7-79 5- 8-79 5-11-79 5-12-79 5-13-79 5-14-79	1,100,000 1,100,000 1,220,000 1,200,000 1,220,000 1,200,000 1,180,000 1,190,000 1,180,000 1,180,000 1,210,000 1,190,000 1,250,000 1,240,000 1,300,000 1,290,000 1,360,000 1,360,000 1,340,000 1,320,000 1,340,000 1,320,000 1,380,000 1,330,000 1,360,000 1,410,000 1,370,000 1,320,000 1,270,000 1,240,000 1,220,000 1,230,000 1,160,000 1,150,000 1,130,000
Mississippi River Delta						
Little Comite River	Comite River	Lat 30°58'20", long 91°04'45", East Feliciana Parish, at bridge on State Highway 442, 1.5 mi (2.4 km) east of Norwood.	(+)	--	6- 8-79	a8.71
Comite River	Amite River	Lat 30°51'30", long 91°02'20", East Feliciana Parish, at bridge on State Highway 10, 1.3 mi (2.09 km) west of Clinton.	(+)	1951, 1954-62	6- 8-79	44.8
White Bayou	Comite River	Lat 32°32'17", long 91°07'08", East Baton Rouge Parish, at bridge on Comite Drive, 9.0 mi (14.5 km) northeast of Baton Rouge Post Office.	(+)	--	6-10-79	a1.36
Calcasieu River basin						
Bayou Serpent	Calcasieu River	Lat 30°23'15", long 92°54'20", Jefferson Davis Parish, at bridge on U.S. Highway 165, 1.7 mi (2.7 km) north of Fenton.	89.0	1955-65	10- 3-78	4.80
Unnamed	Houston River	Lat 30°17'56", long 93°35'21", Calcasieu Parish, at bridge on Parish road 4.4 mi (7.1 km) southeast of Starks.	(+)	--	10-11-78	.80
Houston River	West Fork Calcasieu River	Lat 30°18'16", long 93°39'19", Calcasieu Parish, at bridge on parish road 5.4 mi (8.7 km) east of Starks.	(+)	--	10-11-78	1.71
Do.....	Calcasieu River	Lat 30°18'50", long 93°30'02", Calcasieu Parish, at bridge on State Highway 388, and 5.8 mi (9.3 km) northeast of Edgerly.	(+)	1945, 1968-69, 1978	10- 7-77 5-24-78 10- 4-78	b1.20 a.94 a.80
Buxton Creek	Houston River	Lat 30°21'15", long 93°27'10", Calcasieu Parish, at bridge on parish road, 0.9 mi downstream from Cowards Gully, and 6.5 mi (10.5 km) south of De Quincy.	50.5	1956-57, 1959-64, 1968-79, 1978	10- 7-77 10- 4-78	b1.58 a.78

† Drainage area not determined.

* Owing to interchange of flow between basins, drainage area arbitrarily determined.

† Operated as a continuous-record gaging station.

a Base flow.

b Base flow, not previously published.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07373292 RACCOURCI LAKE (OLD RIVER) NEAR BATCHELOR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-CORALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, 5 DAY (MG/L)	COLOR, FORM, FECALE, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECALE, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 30...	1530	317	7.6	17.5	5	2	10.4	--	K5	K20	130	20
FEB 22...	0930	284	8.1	10.0	15	10	11.7	3.4	K10	K20	120	32
APR 19...	0900	266	7.1	18.0	20	40	7.7	2.1	--	K40	100	20
JUL 06...	1215	331	7.2	33.0	10	9	11.2	3.6	--	K10	130	34

DATE	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM, AD-SORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	POTASSIUM, AD-SORPTION RATIO	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
NOV 30...	33	11	12	17	.5	--	2.7	131	0	107	26	11
FEB 22...	32	8.5	11	17	.4	--	2.4	101	0	83	35	14
APR 19...	27	8.1	9.5	17	.4	--	2.9	98	0	80	32	12
JUL 06...	35	11	16	20	.6	19	3.0	120	0	98	41	14

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 30...	.2	7.9	170	168	.23	.20	.75	.95	4.2	.09	--	.28
FEB 22...	.1	2.9	156	156	.21	.56	.46	1.0	4.5	.03	--	.09
APR 19...	.2	6.6	153	147	.21	1.7	.64	2.3	10	.11	.34	.34
JUL 06...	.2	7.7	198	187	.27	1.0	.92	1.9	8.5	.26	.80	.80

DATE	ARSENIC, TOTAL (MG/L AS AS)	ARSENIC, IN HOT-TOM MATERIAL (UG/G AS AS)	CADMIUM, DISSOLVED (UG/L AS Cd)	CADMIUM, FM HOT-TOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED (UG/G)	CHROMIUM, RECOVERED, HEXAVALENT (UG/L AS Cr)	COPPER, RECOVERED (UG/L AS Cu)	COPPER, FM HOT-TOM MATERIAL (UG/G AS Cu)	IRON, DISSOLVED (UG/L AS Fe)	IRON, FM HOT-TOM MATERIAL (UG/G AS Fe)	LEAD, DISSOLVED (UG/L AS Pb)
NOV 30...	5	2	1	1	0	0	1	2	10	1600	0

DATE	LEAD, RECOVERED, FM HOT-TOM MATERIAL (UG/G AS Pb)	MANGANESE, DISSOLVED (UG/L AS Mn)	MANGANESE, RECOVERED, FM HOT-TOM MATERIAL (UG/G)	MERCURY, TOTAL RECOVERABLE (UG/L AS Hg)	MERCURY, RECOVERED, FM HOT-TOM MATERIAL (UG/L AS Hg)	ZINC, DISSOLVED (UG/L AS Zn)	ZINC, RECOVERED, FM HOT-TOM MATERIAL (UG/G AS Zn)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE, TOTAL (MG/L AS CN)	PHENOLS (UG/L)
NOV 30...	0	2	70	.0	.02	6	10	4.5	.00	2

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07373292 RACCOURCI LAKE (OLD RIVER) NEAR BATCHELOR, LA--Continued

DATE	PCP, TOTAL (UG/L)	PCP, IN ROT- TUM MA- TERIAL (UG/KG)	PCP, TOTAL (UG/L)	PCP, IN ROT- TUM MA- TERIAL (UG/KG)	PCP, TOTAL (UG/L)	PCP, IN ROT- TUM MA- TERIAL (UG/KG)	PCP, TOTAL (UG/L)	PCP, IN ROT- TUM MA- TERIAL (UG/KG)	PCP, TOTAL (UG/L)	PCP, IN ROT- TUM MA- TERIAL (UG/KG)	PCP, TOTAL (UG/L)	PCP, IN ROT- TUM MA- TERIAL (UG/KG)
NOV 30...	.0	0	.00	.00	.0	.0	0	.00	.1	.00	.1	.00
DATE	DDT, TOTAL (UG/L)	DDT, IN ROT- TUM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN ROT- TUM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN ROT- TUM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN ROT- TUM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN ROT- TUM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, IN ROT- TUM MA- TERIAL (UG/KG)
NOV 30...	.0	.00	.0	.00	.0	.00	.00	.00	.0	.00	.0	.00
DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)
NOV 30...	.0	.00	.0	.00	.0	.00	.00	.00	.0	.00	.0	.00
DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)
NOV 30...	.0	.00	.0	.00	.0	.00	.00	.00	.0	.00	.0	.00
DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN ROT- TUM MA- TERIAL (UG/KG)
NOV 30...	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

305101091332600 RACCOURCI LAKE (OLD RIVER) EAST OF BATCHELOR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
NOV 30...	1545	323	7.6	17.5	0	2	10.8	--	K5	K5	130	22
FEB 22...	1000	274	7.9	8.0	10	15	11.6	2.6	K10	K43	110	34
APR 19...	0830	266	7.1	17.0	20	40	7.3	1.1	--	K120	100	22
JUL 06...	1230	324	7.1	34.0	20	130	11.9	3.1	--	K50	130	32

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
NOV 30...	34	11	13	17	.5	--	2.7	132	0	110	28	12
FEB 22...	30	7.9	11	18	.5	--	2.5	93	0	76	36	11
APR 19...	27	8.3	9.2	16	.4	--	2.8	97	0	80	32	12
JUL 06...	34	11	16	21	.6	19	2.9	120	0	98	39	14

DATE	FLUO- RINE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSLI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS PO4)	PHOS- PHORUS TOTAL (MG/L AS PO4)
NOV 30...	.2	7.9	174	174	.24	.21	.90	1.1	4.9	.14	--	.43
FEB 22...	.1	3.4	146	148	.20	.72	.46	1.2	5.2	.05	--	.15
APR 19...	.2	6.8	156	146	.21	1.8	.67	2.5	11	.12	.37	.37
JUL 06...	.2	8.3	198	185	.27	1.5	1.7	3.2	14	.27	.83	.83

DATE	ARSENIC TOTAL DIS- SOLVED (UG/L AS AS)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CU)	CADMIUM RECov. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECov. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECov. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
NOV 30...	5	7	1	132	0	0	1	10	4500	10

DATE	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/L AS MN)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
NOV 30...	10	1	170	.0	.04	7	20	4.9	.00	2

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

MISSISSIPPI RIVER DELTA

305101091332600 RACCOURCI LAKE (OLD RIVER) EAST OF BATCHELOR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)
NOV 30...	.0	0	.00	.00	.0	.0	0	.00	.1	.00	.0	.00

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 30...	.0	.00	.0	.00	.1	.00	.00	.0	.00	.0	.00	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PAMA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PAMA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL THI- BOTOM MATEL, TOTAL (UG/L)	METHYL THI- BOTOM MATEL, TOTAL (UG/KG)
NOV 30...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	THI- THION, TOTAL (UG/L)	THI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVER, TOTAL (UG/L)
NOV 30...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.00

MISSISSIPPI RIVER DELTA

07381424 FALSE RIVER AT NEW ROADS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICHO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHA-UNIT)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCI, FECA, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CAC03)	HARDNESS, NONCARBONATE (MG/L CAC03)
NOV 30...	1140	258	7.4	18.0	5	1	6.8	--	K60	K130	110	0
FEB 22...	1100	275	8.0	--	10	5	8.7	2.6	K20	K78	130	3
APR 14...	1500	275	7.8	23.0	30	5	8.8	8.4	K10	K60	130	0
JUL 06...	1000	199	7.6	34.0	5	4	13.8	6.2	--	K10	81	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM DIS-SOLVED (MG/L AS MG)	SODIUM DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM RATIO	POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE DIS-SOLVED (MG/L AS CL)
NOV 30...	28	9.4	6.4	11	.3	--	3.9	146	0	120	4.0	4.8
FEB 22...	35	9.8	6.1	9	.2	--	3.9	155	0	127	10	4.5
APR 14...	35	9.5	6.7	10	.3	--	4.7	158	0	130	9.2	4.6
JUL 06...	17	9.3	6.5	14	.3	11	4.1	100	0	82	7.5	4.0

DATE	FLOU-RIDE DIS-SOLVED (MG/L AS F)	SILICA DIS-SOLVED (MG/L AS SiO2)	SOLIDS RESIDUE AT 180 DEG C DIS-SOLVED (MG/L)	SOLIDS SUM OF CONSTITUENTS DIS-SOLVED (MG/L)	SOLIDS DIS-SOLVED (MG/L AS ACFT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS, TOTAL (MG/L AS PO4)
NOV 30...	.1	.1	145	140	.20	.09	1.3	1.4	6.2	.18	--	.55
FEB 22...	.1	.1	157	157	.21	.24	.68	.92	4.1	.07	--	.21
APR 14...	.1	9.2	184	158	.25	.01	.79	.80	3.5	.00	--	.00
JUL 06...	.2	.1	119	109	.16	.02	1.5	1.5	6.7	.24	.74	.74

DATE	ARSENIC TOTAL (MG/L AS AS)	CADMIUM RECOV. FM ROT-TERIAL (UG/L AS CD)	CHROMIUM RECOV. FM ROT-TERIAL (UG/L AS CR)	CHROMIUM HEXA-VALENT, DIS-SOLVED (UG/L AS CR)	COPPER, RECOV. FM ROT-TERIAL (UG/L AS CU)	IRON, RECOV. FM ROT-TERIAL (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
NOV 30...	1	1	0	0	1	3	0

DATE	LEAD, RECOV. FM ROT-TERIAL (UG/L AS PB)	ARSENIC RECOV. FM ROT-TERIAL (UG/L AS AS)	CADMIUM RECOV. FM ROT-TERIAL (UG/L AS CD)	CHROMIUM RECOV. FM ROT-TERIAL (UG/L AS CR)	CHROMIUM HEXA-VALENT, DIS-SOLVED (UG/L AS CR)	COPPER, RECOV. FM ROT-TERIAL (UG/L AS CU)	IRON, RECOV. FM ROT-TERIAL (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)		
NOV 30...	10	3	900	.0	.02	10	30	5.8	.00	2

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07381424 FALSE RIVER AT NEW ROADS, LA--Continued

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)
NOV 30...	.0	0	.00	.00	.0	.0	0	.00	.0	.00	.2	.00

DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 30...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)
NOV 30...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 30...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07381425 FALSE RIVER NEAR ERWINVILLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 30...	1100	257	7.1	18.0	5	2	7.5	--	K130	150	110	0
FER 22...	1200	259	8.1	--	10	10	9.9	2.6	K20	K88	120	1
APR 16...	1530	262	7.8	23.0	30	5	8.4	3.7	K10	K27	130	2
JUL 06...	1030	241	7.2	34.0	5	9	14.5	5.7	--	<10	110	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 30...	28	9.9	7.0	12	.3	--	4.0	142	0	116	4.3	5.2
FER 22...	32	9.3	6.2	10	.2	--	4.0	145	0	119	11	4.7
APR 16...	35	9.2	6.5	10	.3	--	4.6	150	0	123	9.7	4.7
JUL 06...	27	9.4	8.4	14	.4	13	4.4	136	0	112	5.6	3.1

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 30...	.1	11	135	139	.18	.05	1.3	1.4	6.0	.15	--	.46
FER 22...	.1	11	146	150	.20	.25	.73	.98	4.3	.08	--	.25
APR 16...	.1	8.0	--	152	.21	.01	.59	.60	2.7	.05	--	.15
JUL 06...	.2	11	141	136	.19	.02	1.2	1.2	5.4	.07	.21	.21

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

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

MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07381425 FALSE RIVER NEAR ERWINVILLE, LA--Continued

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PR)
NOV 30...	17	9	1	0	0	0	2	5	10	5100	2
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PH)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 30...	10	7	170	.1	.03	7	20	5.9	.00	2	.0
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)
NOV 30...	12	.00	.00	.1	.0	0	.00	.2	.00	.4	.00
DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- FLORIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 30...	.1	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)
NOV 30...	.0	.00	.0	.00	.1	.00	.0	.00	.0	.00	.0
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 30...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

302202091452400 LAKE HENDERSON NEAR ATCHAFALAYA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 29...	1545	367	7.3	15.0	40	9	8.1	5.4	K65	130	110	1
FEB 20...	1230	96	6.6	10.0	100	75	7.7	1.9	K10	K40	38	4
APR 17...	1110	136	7.2	23.0	100	15	8.4	4.8	K10	K10	55	4
JUL 05...	1115	209	6.8	31.0	70	6	4.1	3.6	<10	K90	86	4

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 29...	27	11	26	31	1.1	--	8.8	133	0	109	11	38
FEB 20...	9.6	3.5	3.6	16	.3	--	2.4	42	0	34	10	4.7
APR 17...	14	4.8	5.4	17	.3	--	3.1	62	0	51	8.6	7.0
JUL 05...	22	7.5	7.4	15	.3	12	4.3	104	0	85	8.9	9.8

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN+AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 29...	.1	6.8	202	195	.27	.03	4.3	4.3	19	.32	--	.98
FEB 20...	.1	5.6	61	60	.08	.26	.66	.92	4.1	.21	--	.64
APR 17...	.1	4.4	94	78	.13	.03	.81	.84	3.7	.22	.67	.67
JUL 05...	.1	7.5	134	119	.18	.01	1.4	1.4	6.2	.19	.58	.58

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

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

MISSISSIPPI RIVER DELTA

502202091452400 LAKE HENDERSON NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
NOV 29...	2	15	1	1	0	0	9	20	320	11000	4
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
NOV 29...	20	100	250	.0	.06	20	20	14	.00	5	.0
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)
NOV 29...	0	.00	.00	.0	.0	0	.00	.1	.00	.3	.00
DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 29...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)
NOV 29...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 29...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 29...	1230	439	7.9	14.0	10	15	9.6	3.2	140	120	140	12
FEB 20...	1330	159	6.8	10.0	100	50	10.6	2.9	K5	K80	56	14
APR 17...	1250	140	7.0	24.0	100	15	8.2	3.1	K10	<1	57	8
JUL 05...	1215	155	6.8	34.5	50	7	5.5	3.5	<10	<10	63	3

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
NOV 29...	35	12	31	32	1.2	--	4.0	156	0	128	22	46
FEB 20...	14	5.2	8.9	24	.5	--	3.0	51	0	42	18	11
APR 17...	15	4.7	5.8	17	.3	--	3.1	60	0	49	10	7.1
JUL 05...	17	5.0	5.6	15	.3	9.7	4.1	73	0	60	5.6	7.0

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSISTENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 29...	.1	9.2	245	236	.33	.05	.98	1.0	4.6	.18	--	--
FEB 20...	.1	7.2	99	93	.13	.19	.77	.96	4.3	.15	--	--
APR 17...	.1	4.3	105	80	.14	.04	.78	.82	3.6	.23	.71	.71
JUL 05...	.1	5.0	102	85	.14	.01	1.4	1.4	6.2	.04	.12	.12

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cr)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS Cr)	COPPER, DIS-SOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DIS-SOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DIS-SOLVED (UG/L AS Pb)
NOV 29...	1	15	1	1	10	0	9	31	30	11000	0

DATE	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)	MANGANESE, DIS-SOLVED (UG/L AS Mn)	MANGANESE, RECOVERED FROM BOTTOM MATERIAL (UG/G)	MERCURY, RECOVERED FROM BOTTOM MATERIAL (UG/L AS Hg)	MERCURY, TOTAL (UG/L AS Hg)	ZINC, DIS-SOLVED (UG/L AS Zn)	ZINC, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Zn)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
NOV 29...	30	20	380	.0	.10	20	60	9.5	.00	5

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA--Continued

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
NOV 29...	.0	0	.00	.00	.0	.0	0	.00	.3	.00	.0	.00
DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)
NOV 29...	.0	.00	.0	.00	.2	.00	.00	.0	.00	.0	.00	.00
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
NOV 29...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
NOV 29...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN-DISSOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, FECA, 0.7 UM-MF (CULS./100 ML)	SIREP-TOCOCCI, FECA, KF AGAR (CULS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 29...	0900	235	7.1	16.0	70	40	3.7	4.8	<5	5400	85	16
FEB 13...	0745	167	7.1	8.5	70	35	7.4	.9	K300	120	71	6
APR 06...	1315	175	7.0	17.0	80	85	5.4	1.8	--	960	71	4
JUL 02...	1030	315	7.2	30.0	10	20	4.4	3.8	K3800	--	120	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM DIS-SOLVED (MG/L AS Mg)	SODIUM DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM DIS-SOLVED (MG/L AS K)	BICARBONATE AS HCO3	CARBONATE AS CO3	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE DIS-SOLVED (MG/L AS Cl)	FLUORIDE DIS-SOLVED (MG/L AS F)
NOV 29...	22	7.4	6.8	13	.3	8.4	85	0	70	19	7.9	.1
FEB 13...	19	5.7	4.4	12	.2	2.7	79	0	65	12	4.5	.1
APR 06...	19	5.7	5.6	14	.3	3.1	81	0	66	8.4	4.9	.2
JUL 02...	31	11	11	15	.4	4.4	160	0	131	8.4	7.5	.1

DATE	SILICA DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 100 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (IONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 29...	9.7	142	123	.19	2.7	1.8	4.7	21	.68	--	2.1
FEB 13...	9.2	102	97	.14	.12	.61	.73	3.2	.24	--	.74
APR 06...	11	119	98	.16	.40	1.0	1.4	6.2	.30	.92	.92
JUL 02...	11	184	163	.25	.06	.17	.23	1.0	.32	.98	.98

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

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MISSISSIPPI RIVER DELTA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CH)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CH)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	
NOV 29...		6	16	1	1	10	0	12	21	130	11000	4
DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	
NOV 29...	30	70	320	.0	.07	40	80	13	.00	5	.0	
DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL (UG/KG)	DDT, TOTAL (UG/L)	
NOV 29...	0	.00	.00	.0	.0	8	.00	4.5	.00	9.6	.00	
DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	
NOV 29...	1.3	.02	.0	.00	.3	.00	.00	.1	.00	.0	.00	
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL THION, TOT. IN BOTTOM MATL. (UG/KG)	
NOV 29...	.0	.00	.0	.00	.0	.00	.0	.18	.0	.00	.0	
DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
NOV 29...	.00	.00	.0	.00	0	0	.00	.0	.00	.00	.00	

ELUTRIATE STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers, before dredging operations in Grand Bayou, Martins Canal, Unnamed Bayou, Bayou des Plantins, and Pipeline Canal. Dissolved pesticides were collected one minute after total pesticides at each station.

293000089451000 GRAND BAYOU NEAR HAPPY JACK, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
JUL 17...	0950	10000	7.3	50	9	<1.0	38	65000	1000	940	78	200
DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)
JUL 17...	1900	79	26	2000	74	93	0	76	7.5	390	3200	20
DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN+NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	
JUL 17...	20	74000	2	18	.03	.02	.05	.09	.09	37	.12	.12
DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN+NH4 + ORG. TOT IN BOT MAT TOTAL (MG/KG AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
JUL 17...	1.2	1.2	1.3	.00	1.3	1470	1.4	6.0	.06	.18	.05	2
DATE	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
JUL 17...	1	1	7	10	0	10	0	1	0	1	0	10
DATE	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	
JUL 17...	10	0	8	0	5	2	3	58	30	4	4	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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ELUTRIATE STUDY--Continued

293000089451000 GRAND BAYOU NEAR HAPPY JACK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)
JUL 17... 17...	0 --	5 --	130 --	80 --	50 --	450 --	.1 --	.1 --	.0 --	.07 --	3 --	2 --
DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, FM BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
JUL 17... 17...	1 --	10 --	0 --	0 --	0 --	0 --	20 --	0 --	20 --	43 --	13 --	.00 --
DATE	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)
JUL 17... 17...	0 --	1 --	0 --	0 --	-- .0	.0 --	0 --	.00 --	-- .000	.000 --	.0 --	-- .0
DATE	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, IN BOT- TOM MA- TERIAL (UG/KG)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, DIS- SOLVED (UG/L)
JUL 17... 17...	.0 --	2 --	-- .000	.000 --	.4 --	-- .000	.000 --	.0 --	-- .000	.000 --	.0 --	-- .38
DATE	DI- AZINON, TOTAL (UG/L)	DI- AZINON, IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, IN BOT- TOM MA- TERIAL (UG/KG)	
JUL 17... 17...	.00 --	.0 --	-- .000	.000 --	.0 --	.000 --	-- .000	.000 --	.0 --	.00 --	.0 --	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

293000089451000 GRAND BAYOU NEAR HAPPY JACK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)
JUL										
17...	--	.000	.0	--	.000	.0	--	.000	.0	--
17...	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL THION, DIS- SOLVED (UG/L)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL THION, TOTAL (UG/L)	METHYL THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, DIS- SOLVED (UG/L)
JUL									
17...	.00	.0	.00	--	.00	.0	.00	.0	--
17...	--	--	--	.00	--	--	--	--	.00

DATE	MIREX, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)
JUL									
17...	--	.00	.00	.0	.00	--	.0	.0	.00
17...	.00	--	--	--	--	.0	--	--	--

DATE	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUL									
17...	.0	--	.14	--	.00	--	.00	8.56	.000
17...	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE STUDY--Continued

293059089441900 MARTINS CANAL NEAR HAPPY JACK, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	
JUL 17...	1020	9570	7.2	50	10	<1.0	38	260000	980	890	79	190	
DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
JUL 17...	1700		77	24	1800	83	105	0	86	11	380	3200	19
DATE	TIME	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, NON-VOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)
JUL 17...	19		4	15	.00	.02	.02	.00	.01	380	.00	.01	1.3
DATE	TIME	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P04)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	
JUL 17...	1.2		1.3	.10	1.2	6250	1.3	5.8	.13	.25	1.3	2	
DATE	TIME	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOVER. (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	
JUL 17...	1		1	8	10	0	10	0	0	0	0	10	
DATE	TIME	CHROMIUM, SUSPENDED RECOVER. (UG/L AS CR)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, RECOVER. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVER. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	
JUL 17...		0	10	12	0	30	26	4	31	10	6	6	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

293059089441900 MARTINS CANAL NEAR HAPPY JACK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, DIS- SOLVED (UG/L AS PR)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PH)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECov. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
JUL 17... 17...	0 --	65 --	170 --	170 --	0 --	.1 --	.1 --	.0 --	.03 --	3 --	2 --	1 --
DATE	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE IN BOT- TOM MA- TERIAL (UG/G AS CN)	
JUL 17... 17...	15 --	0 --	0 --	0 --	0 --	60 --	40 --	20 --	14 --	.00 --	0 --	
DATE	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)	CHLOR- DANE, TOTAL (UG/L)	
JUL 17... 17...	2 --	0 --	-- .0	.0 --	64 --	.00 --	-- .000	.000 --	.0 --	-- .0	.0 --	
DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, DIS- SOLVED (UG/L)	
JUL 17... 17...	79 --	-- .000	.000 --	56 --	-- .000	.000 --	3.3 --	-- .000	.000 --	.0 --	-- .14	
DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
JUL 17... 17...	.04 --	.0 --	-- .000	.000 --	.0 --	.000 --	-- --	.000 --	.0 --	.00 --	.0 --	

ELUTRIATE STUDY--Continued

293059089441900 MARTINS CANAL NEAR HAPPY JACK, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)
JUL 17...	--	.000	.0	--	.000	.0	--	.000	.0	--
17...	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, DIS- SOLVED (UG/L)
JUL 17...	.00	.0	.00	--	.00	.0	.00	.0	--
17...	--	--	--	.00	--	--	--	--	.00

DATE	MIREX, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)
JUL 17...	--	.00	.00	.0	.00	--	.0	0	.00
17...	.00	--	--	--	--	.0	--	--	--

DATE	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUL 17...	.0	--	.10	--	.00	--	.01	44.5	4.29
17...	--	.24	--	.00	--	.03	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292842089424100 UNNAMED BAYOU NEAR PORT SULPHUR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHUS)	PH (UNITS)	COLOR (PLATINUM-COALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)
JUL 17...	1045	10400	7.1	50	10	<1.0	38	400000	1100	990	82	210
DATE		SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORPTION RATIO	SODIUM+POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
JUL 17...	1900		78	25	2000	82	93	0	76	12	430	3300
DATE		SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE (MG/L AS N)	NITROGEN, NITRITE (MG/L AS N)	NITROGEN, NO2+NO3 (MG/L AS N)	NITROGEN, AMMONIA (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA (MG/L AS NH4)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N)
JUL 17...	220000		.05	.02	.07	.09	.07	700	.08	.09	1.3	1.1
DATE		NITROGEN+AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN+AMMONIA + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (MG/L AS AS)	ARSENIC SUSPENDED TOTAL (MG/L AS AS)
JUL 17...	1.4		.20	1.2	6740	1.5	6.5	.07	.21	.04	2	2
DATE		ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	BERYLLIUM, FM BOTTOM MATERIAL (UG/G AS CU)	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM, SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM, DIS-SOLVED (UG/L AS CD)	CADMIUM, FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
JUL 17...		0	7	0	0	0	0	1	0	1	0	10
DATE		CHROMIUM, SUSPENDED RECOVERABLE (UG/L AS CR)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, FM BOTTOM MATERIAL (UG/G AS CR)	CHROMIUM, HEXAVALENT DIS-SOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
JUL 17...		0	10	15	0	4	0	4	16	80	3	3

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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ELUTRIATE STUDY--Continued

292842089424100 UNNAMED BAYOU NEAR PORT SULPHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, DIS- SOLVED (UG/L AS PH)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PH)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENED RECOV- ERABLE (UG/L AS NI)
JUL 17...	0	20	210	160	50	290	.0	.0	.0	.02	3	0
17...	--	--	--	--	--	--	--	--	--	--	--	--
DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENED RECOV. (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
JUL 17...	3	15	0	0	0	0	30	0	30	85	13	.00
17...	--	--	--	--	--	--	--	--	--	--	--	--
DATE	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)	CHLOR- DANE, TOTAL (UG/L)
JUL 17...	0	2	0	--	.0	0	.00	--	.000	.0	--	.0
17...	--	--	--	.0	--	--	--	.000	--	--	.0	--
DATE	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, IN BOT- TOM MA- TERIAL (UG/KG)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, DIS- SOLVED (UG/L)	DI- AZINON, TOTAL (UG/L)
JUL 17...	4	--	.000	1.6	--	.000	2.4	--	.000	.0	--	.07
17...	--	.000	--	--	.000	--	--	.000	--	--	--	--
DATE	DI- AZINON, TOTAL (UG/L)	DI- AZINON, IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)
JUL 17...	.00	.0	--	.000	.0	.000	--	.000	.0	.00	.0	.0
17...	--	--	.000	--	--	--	.000	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292842089424100 UNNAMED BAYOU NEAR PORT SULPHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN HOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR, EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR, EPOXIDE TOTAL IN HOT- TOM MA- TERIAL (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN HOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN HOT- TOM MA- TERIAL (UG/KG)
JUL 17...	--	.000	.0	--	.000	.0	--	.000	.0	--	.00	.0
17...	.000	--	--	.000	--	--	.000	--	--	.00	--	--

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN HOT- TOM MA- TERIAL (UG/KG)	METHYL THI- THION, DIS- SOLVED (UG/L)	METHYL THI- THION, TOTAL (UG/KG)	PAMA- THION, DIS- SOLVED (UG/L)	MINEA, DIS- SOLVED (UG/L)	MINEA, TOTAL (UG/L)	PAMA- THION, TOTAL (UG/L)	IN HOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
JUL 17...	.00	--	.00	.0	.00	.0	--	--	.00	.00	.0	.00
17...	--	.00	--	--	--	--	.00	.00	--	--	--	--

DATE	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN HOT- TOM MA- TERIAL (UG/KG)	THI- THION, TOTAL (UG/L)	THI- THION, TOTAL IN HOT- TOM MA- TERIAL (UG/KG)	2,4-D, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUL 17...	--	.0	.0	.00	.0	--	.00	.00	--	.00	17.4	.000
17...	.0	--	--	--	--	.05	--	--	.00	--	--	--

ELUTRIATE STUDY--Continued

292738089422800 GRAND BAYOU NEAR PORT SULPHUR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
JUL 17...	1110	10800	7.5	40	10	<1.0	40	140000	1100	1000	84	210
	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)
JUL 17...	1900	7H	25	2000	85	80	0	66	4.0	450	3600	15
	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLA- TILE IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)
JUL 17...	24	119000	5	10	.00	.02	.02	.10	.10	57	.13	.13
	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
JUL 17...	1.2	1.1	1.3	.00	1.2	3000	1.3	5.8	.07	.21	.03	2
	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV- ERABLE (UG/L AS RE)	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	BERYL- LIUM, RECOV- FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
JUL 17...	2	0	6	0	0	0	0	1	0	1	0	10
	CHRO- MIUM, SUS- PENDED RECOV- (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, RECOV- FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	
JUL 17...	0	10	10	0	2	0	2	12	70	5	5	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292738089422800 GRAND BAYOU NEAR PORT SULPHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)
JUL 17... 17...	0 --	10 --	140 --	140 --	0 --	260 --	.0 --	.0 --	.0 --	.04 --	3 --	3 --
DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE RECOV. (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
JUL 17... 17...	0 --	10 --	0 --	0 --	0 --	0 --	40 --	10 --	30 --	45 --	12 --	.00 --
DATE	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAI GRAVI- METRIC (MG/KG)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)
JUL 17... 17...	0 --	4 --	0 --	0 --	-- .0	.0 --	0 --	.00 --	-- .000	.000 --	.0 --	-- .0
DATE	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, DIS- SOLVED (UG/L)
JUL 17... 17...	.0 --	3 --	-- .000	.000 --	.0 --	-- .000	.000 --	.9 --	-- .000	.000 --	.0 --	-- .06
DATE	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
JUL 17... 17...	.00 --	.0 --	-- .000	.000 --	.0 --	.000 --	-- .000	.000 --	.0 --	.00 --	.0 --	

ELUTRIATE STUDY--Continued

292738089422800 GRAND BAYOU NEAR PORT SULPHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)
JUL 17...	--	.000	.0	--	.000	.0	--	.000	.0	--
17...	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, DIS- SOLVED (UG/L)
JUL 17...	.00	.0	.00	--	.00	.0	.00	.0	--
17...	--	--	--	.00	--	--	--	--	.00

DATE	MIREX, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)
JUL 17...	--	.00	.00	.0	.00	--	.0	.0	.00
17...	.00	--	--	--	--	.0	--	--	--

DATE	THI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUL 17...	.0	--	.01	--	.00	--	.00	27.3	2.60
17...	--	.01	--	.00	--	.00	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292332089395400 BAYOU DES PLANTINS NEAR EMPIRE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)
JUL 17...	1145	13500	7.4	30	25	<1.0	95	350000	1400	1300	110	280
DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM+ POTASSIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
JUL 17...	2500	78	29	2600	99	111	0	91	7.1	600	4300	59
DATE	TIME	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA, DIS-SOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOTTOM MATERIAL (MG/KG AS N)
JUL 17...	59	59	59	209000	39	20	.00	.02	.02	.16	.06	.19
DATE	TIME	NITROGEN, AMMONIA, DIS-SOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC, DIS-SOLVED (MG/L AS N)	NITROGEN+AMMONIA + ORG. TOTAL (MG/L AS N)	NITROGEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN+AMMONIA + ORG. DIS. (MG/L AS N)	NITROGEN+NH4 + ORG. TOT IN BOTTOM MATERIAL (MG/KG AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)
JUL 17...	.08	2.0	.21	2.2	1.9	.27	4900	2.2	9.8	.10	.31	.03
DATE	TIME	ARSENIC TOTAL (UG/L AS AS)	ARSENIC, SUSPENDED TOTAL (UG/L AS AS)	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOVER. (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	BERYLLIUM, FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM, SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM, DIS-SOLVED (UG/L AS CD)
JUL 17...	3	2	1	0	20	0	20	0	0	0	0	0
DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOVER. (UG/L AS CR)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	CHROMIUM, FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
JUL 17...	10	10	0	12	0	17	15	2	16	20	72	71

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

ELUTRIATE STUDY--Continued

292332089395400 BAYOU DES PLANTINS NEAR EMPIRE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)
JUL 17...	1	20	270	260	10	250	.1	.0	.1	.04	3	2
17...	--	--	--	--	--	--	--	--	--	--	--	--
DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
JUL 17...	1	20	0	0	0	0	40	10	30	47	13	.00
17...	--	--	--	--	--	--	--	--	--	--	--	--
DATE	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	OIL AND GREASE, TOTAL BOT MAT GRAVI- METRIC (MG/KG)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)
JUL 17...	0	0	0	0	--	.0	0	.00	--	.000	.0	--
17...	--	--	--	--	.0	--	--	--	.000	--	--	.0
DATE	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, DIS- SOLVED (UG/L)
JUL 17...	.0	1	--	.000	.6	--	.000	.0	--	.000	.0	--
17...	--	--	.000	--	--	.000	--	--	.000	--	--	.06
DATE	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 17...	.00	.0	--	.000	.0	.000	--	.000	.0	.00	.0	.0
17...	--	--	.000	--	--	--	.000	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292332089395400 BAYOU DES PLANTINS NEAR EMPIRE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)
JUL										
17...	--	.000	.0	--	.000	.0	--	.000	.0	--
17...	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PANA- THION, DIS- SOLVED (UG/L)
JUL									
17...	.00	.0	.00	--	.00	.0	.00	.0	--
17...	--	--	--	.00	--	--	--	--	.00

DATE	MIREX, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)
JUL									
17...	--	.00	.00	.0	.00	--	.0	0	.00
17...	.00	--	--	--	--	.0	--	--	--

DATE	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L)
JUL									
17...	.0	--	.02	--	.00	--	.00	39.3	.000
17...	--	.00	--	.00	--	.00	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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ELUTRIATE STUDY--Continued

292650089400400 PIPELINE CANAL NEAR PORT SULPHUR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	
JUL 17...	1210	13200	7.5	30	10	<1.0	110	86000	1400	1300	110	270	
		SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	
JUL 17...	2400		78	28	2500	100	105	0	86	5.3	4100	22	
		SOLIDS, VOLATILE IN BOTTOM MA- TERIAL (MG/KG)	SOLIDS, VOLATILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN+NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)
JUL 17...	241000		13	.03	.02	.05	.11	.04	390	.13	.05	1.1	.83
		NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN+NH4 + ORG. TUT IN BOT MAT (MG/KG AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	
JUL 17...	1.2		.33	.87	5700	1.3	5.5	.06	.18	.04	1	0	
		ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS RE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS RE)	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	
JUL 17...	1		8	10	10	0	0	0	0	0	0	10	
		CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	
JUL 17...	10		0	13	0	8	8	0	20	20	8	8	

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

292650089400400 PIPELINE CANAL NEAR PORT SULPHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, RECov. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECov- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDEd RECov. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY SUS- PENDEd RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECov- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDEd RECov- ERABLE (UG/L AS NI)
JUL 17...	0	25	0	120	120	360	.2	.0	.2	.03	3	2
17...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECov. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECov- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDEd TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, FM BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECov- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDEd RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
JUL 17...	1	20	0	0	0	0	30	10	20	64	11	.00
17...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECov. GRAVI- METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, DIS- SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, DIS- SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, DIS- SOLVED (UG/L)
JUL 17...	0	0	0	0	--	.0	0	.00	--	.000	.0	--
17...	--	--	--	--	.0	--	--	--	.000	--	--	.0

DATE	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, DIS- SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, DIS- SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, DIS- SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, DIS- SOLVED (UG/L)
JUL 17...	.0	6	--	.000	2.6	--	.000	1.8	--	.000	.0	--
17...	--	--	.000	--	--	.000	--	--	.000	--	--	.05

DATE	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, DIS- SOLVED (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, DIS- SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 17...	.00	.0	--	.000	.0	.000	--	.000	.0	.00	.0
17...	--	--	.000	--	--	--	.000	--	--	--	--

ELUTRIATE STUDY--Continued

292650089400400 PIPELINE CANAL NEAR PORT SULPHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA- CHLOR, DIS- SOLVED (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE DIS- SOLVED (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS- SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, DIS- SOLVED (UG/L)
JUL 17...	--	.000	.0	--	.000	.0	--	.000	.0	--
17...	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, DIS- SOLVED (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, DIS- SOLVED (UG/L)
JUL 17...	.00	.0	.00	--	.00	.0	.00	.0	--
17...	--	--	--	.00	--	--	--	--	.00

DATE	MIREX, DIS- SOLVED (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, DIS- SOLVED (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)
JUL 17...	--	.00	.00	.0	.00	--	.0	.0	.00
17...	.00	--	--	--	--	.0	--	--	--

DATE	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, DIS- SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T DIS- SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS- SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUL 17...	.0	--	.02	--	.00	--	.00	25.9	.000
17...	--	.00	--	.00	--	.00	--	--	--

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1979 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
PEARL RIVER BASIN					
02489500 PEARL RIVER NEAR BOGALUSA					
OCT. 31, 1978.....	20.0	8.5	AUG. 1.....	29.0	7.1
JUNE 14, 1979.....	26.0	7.4	AUG. 22.....	29.0	---
JUNE 20.....	28.5	8.4			
02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA					
OCT. 24, 1978.....	20.0	---	MAY 16.....	21.0	8.4
OCT. 30.....	18.5	8.8	JUNE 13.....	23.5	9.2
DEC. 6.....	13.0	---	JUNE 25.....	25.0	---
JAN. 10, 1979.....	6.9	11.5	JULY 18.....	24.5	8.2
FEB. 12.....	8.5	11.3	AUG. 21.....	24.0	8.4
MAR. 28.....	16.0	9.3	SEPT. 24.....	21.5	8.9
02492000 BOGUE CHITTO NEAR BUSH					
OCT. 30, 1978.....	20.0	9.0	MAY 17.....	23.0	7.4
DEC. 7.....	17.0	10.1	JUNE 13.....	25.0	8.4
JAN. 11, 1979.....	7.2	10.4	JUNE 25.....	28.5	---
FEB. 22.....	13.0	9.8	AUG. 20.....	28.0	7.9
MAR. 28.....	18.5	8.9	SEPT. 24.....	22.0	7.4
APR. 11.....	19.0	---			
MISSISSIPPI RIVER DELTA					
07373965 SOUTH CANAL NEAR BAKER					
OCT. 24, 1978.....	18.5	---	JUNE 7.....	26.5	5.5
DEC. 11.....	8.0	10.6	JUNE 26.....	26.0	---
JAN. 10, 1979.....	6.0	---	JULY 10.....	26.0	3.2
FEB. 13.....	11.0	12.5	AUG. 23.....	26.0	5.8
MAR. 30.....	20.5	---	SEPT. 25.....	21.0	---
MAY 7.....	23.0	---			
07375000 TCHEFUNCTA RIVER NEAR FOLSOM					
OCT. 24, 1978.....	17.0	---	MAY 11.....	21.0	7.8
DEC. 4.....	16.0	9.4	JUNE 5.....	21.5	7.5
JAN. 16, 1979.....	8.0	11.0	JULY 13.....	22.0	---
FEB. 15.....	13.5	9.4	AUG. 13.....	22.0	7.4
MAR. 28.....	15.0	9.2	SEPT. 26.....	19.0	8.4
07375500 TANGIPAHOA RIVER AT ROBERT					
OCT. 24, 1978.....	20.0	---	JUNE 8.....	25.0	8.5
DEC. 6.....	13.0	10.8	JUNE 25.....	26.5	8.6
JAN. 17, 1979.....	11.0	12.0	JULY 17.....	26.5	7.4
MAR. 1.....	13.5	9.8	AUG. 16.....	25.0	8.0
MAR. 28.....	19.0	10.4	SEPT. 28.....	21.5	9.2
MAY 18.....	23.0	8.7			
07376000 TICKFAW RIVER AT HOLDEN					
OCT. 24, 1978.....	18.5	---	JUNE 14.....	22.5	8.5
DEC. 5.....	12.5	11.0	JUNE 26.....	25.0	8.2
JAN. 16, 1979.....	7.0	13.0	JULY 18.....	26.0	7.6
FEB. 23.....	13.5	10.0	AUG. 17.....	26.0	8.4
MAR. 29.....	17.0	11.0	SEPT. 27.....	21.5	9.2
MAY 18.....	22.5	8.5			
07376500 NATALBANY RIVER AT BAPTIST					
OCT. 24, 1978.....	18.5	---	JUNE 8.....	28.0	7.2
DEC. 4.....	15.0	9.6	JUNE 25.....	26.0	9.8
JAN. 16, 1979.....	9.0	12.4	JUNE 26.....	26.0	9.8
FEB. 16.....	15.0	9.8	JULY 17.....	29.0	7.2
MAR. 29.....	20.0	10.8	AUG. 15.....	25.0	8.6
MAY 15.....	23.0	8.6	SEPT. 26.....	22.0	13.4
07377000 AMITE RIVER NEAR DARLINGTON					
DEC. 5, 1978.....	13.0	10.4	MAY 16.....	22.0	---
JAN. 15, 1979.....	7.5	13.0	JUNE 6.....	24.5	8.3
FEB. 22.....	13.0	10.8	JULY 10.....	25.0	8.4
MAR. 26.....	15.0	10.2	AUG. 14.....	25.0	8.0
APR. 24.....	21.0	---	SEPT. 25.....	20.0	8.8

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MISSISSIPPI RIVER DELTA--Continued					
07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS					
OCT. 24, 1978.....	16.5	---	JUNE 12.....	23.5	5.0
DEC. 5.....	13.0	5.4	JUNE 25.....	25.0	5.5
JAN. 16, 1979.....	7.0	---	JULY 10.....	23.0	---
FEB. 22.....	15.5	8.1	AUG. 16.....	27.0	6.7
MAR. 28.....	19.0	6.5	SEPT. 24.....	23.0	7.7
MAY 8.....	23.5	---			
07377500 COMITE RIVER NEAR OLIVE BRANCH					
DEC. 6, 1978.....	13.0	9.4	JUNE 25.....	29.0	---
JAN. 15, 1979.....	8.0	---	JULY 9.....	26.0	8.2
FEB. 15.....	16.5	---	AUG. 14.....	30.0	10.6
MAR. 28.....	20.5	---	SEPT. 25.....	23.5	9.4
JUNE 11.....	27.0	---			
07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE					
DEC. 11, 1978.....	6.0	10.0	JUNE 7.....	25.0	6.0
JAN. 10, 1979.....	3.5	10.4	JULY 10.....	25.3	3.9
FEB. 13.....	11.0	10.2	AUG. 23.....	24.5	4.5
MAR. 28.....	21.0	---	SEPT. 25.....	20.0	---
MAY 7.....	23.5	---			
07377782 WHITE BAYOU SOUTHEAST OF ZACHARY					
OCT. 24, 1978.....	18.0	---	JUNE 7.....	26.0	6.2
DEC. 11.....	8.0	12.2	JULY 10.....	26.0	3.9
JAN. 10, 1979.....	5.5	11.4	JULY 23.....	26.5	---
FEB. 13.....	17.0	11.2	AUG. 23.....	26.0	---
MAR. 28.....	21.5	---	SEPT. 25.....	21.0	---
MAY 7.....	23.0	---			
07377842 WHITE BAYOU NEAR BAKER					
OCT. 25, 1978.....	18.5	---	MAY 8.....	23.0	---
DEC. 11.....	7.0	4.8	JUNE 7.....	26.5	2.9
JAN. 11, 1979.....	5.0	6.0	JULY 10.....	26.0	2.1
FEB. 14.....	13.5	8.2	AUG. 23.....	26.0	3.3
MAR. 30.....	20.5	---	SEPT. 25.....	21.5	---
07378000 COMITE RIVER NEAR COMITE					
OCT. 24, 1978.....	20.5	---	JUNE 12.....	24.0	8.4
DEC. 6.....	17.5	8.3	JUNE 25.....	25.0	8.4
DEC. 7.....	13.5	---	JUNE 26.....	24.5	---
JAN. 15, 1979.....	8.0	---	AUG. 16.....	30.0	9.0
FEB. 15.....	19.5	9.1	SEPT. 24.....	24.5	10.6
MAR. 29.....	18.0	12.0			
07378500 AMITE RIVER NEAR DENHAM SPRINGS					
OCT. 31, 1978.....	29.0	7.8	JUNE 13.....	24.0	---
DEC. 7.....	16.0	10.2	JULY 16.....	23.0	---
FEB. 27, 1979.....	11.0	---	AUG. 21.....	27.0	7.6
APR. 2.....	21.5	9.4	SEPT. 27.....	22.0	8.6
MAY 7.....	21.0	8.5			
07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE					
OCT. 27, 1978.....	22.0	0.8	FEB. 16.....	11.5	---
NOV. 1.....	24.5	---	MAR. 23.....	19.0	6.8
NOV. 2.....	22.5	---	APR. 22.....	20.0	12.5
NOV. 9.....	19.5	---	JUNE 12.....	26.0	---
DEC. 5.....	14.0	4.5	JULY 17.....	28.0	---
JAN. 15.....	7.0	---	SEPT. 28.....	23.0	---



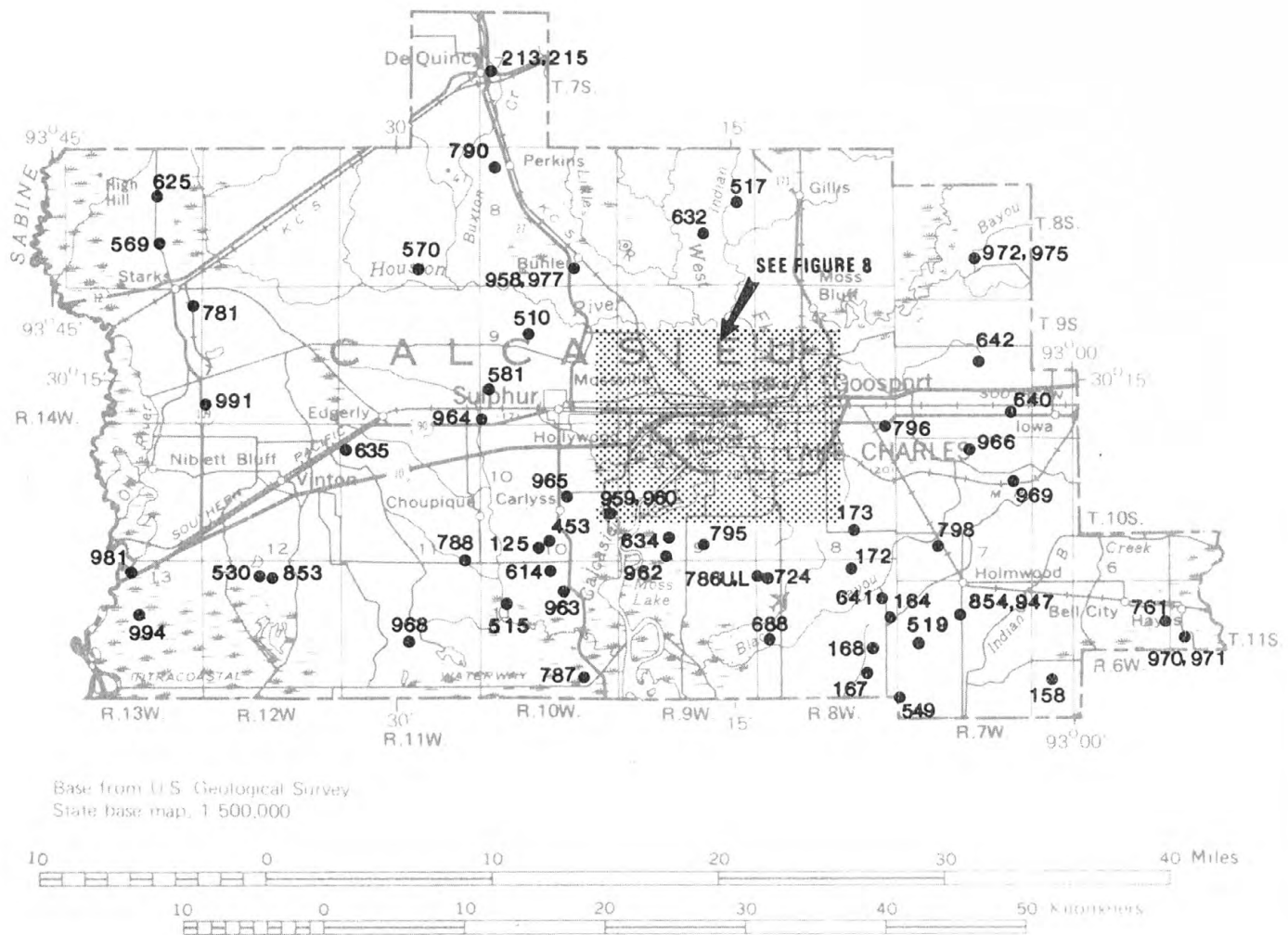


Figure 7. — Location of observation wells in Calcasieu Parish [except for wells located in the shaded area (see fig. 8)].

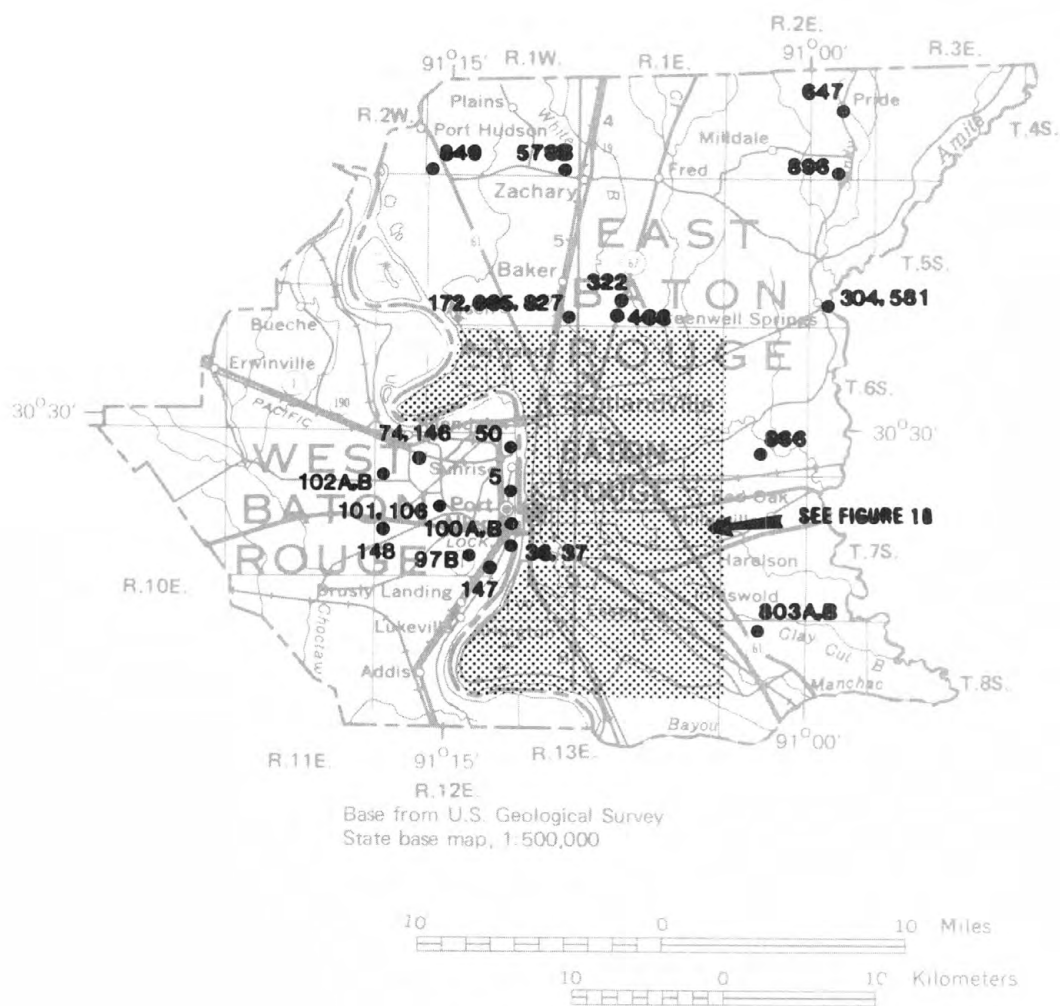
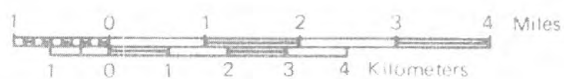


Figure 9. — Location of observation wells, East Baton Rouge and West Baton Rouge Parishes [except for wells located in the shaded area (see fig.10)].

WATER RESOURCES DATA FOR LOUISIANA, 1979



Base by Department of Highways



ACADIA PARISH

302525092242001 LOCAL WELL NUMBER: AC-22

OWNER: HARRY FREY. (SEC. 19, T. 75., 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 NGVD.
 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, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	84.48						

302207092153201 LOCAL WELL NUMBER: AC-121

OWNER: MELECK BROTHERS. (SEC. 10, T. 85., 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 NGVD.
 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
FEB. 28, 1979	77.96						

301923092121801 LOCAL WELL NUMBER: AC-137

OWNER: G. A. KENNEDY ESTATE. (SEC. 49, T. 85., 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 NGVD.
 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
FEB. 28, 1979	64.18						

300731092213101 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 NGVD.
 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
FEB. 28, 1979	41.68						

301932092341201 LOCAL WELL NUMBER: AC-235

OWNER: H. H. LEJEUNE. (SEC. 28, T. 85., 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 NGVD.
 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
FEB. 28, 1979	72.05						

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 NGVD.
 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
FEB. 28, 1979	84.75						

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 NGVD.
 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
FEB. 28, 1979	63.13						

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 NGVD.
 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, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	41.03						

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN, DEPTH 202 FT, SCREENED 192-202. MP TOP OF 6-IN CASING, 1.15 FT ABOVE LSD.
 LSD 25.80 FT NGVD.
 HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965.
 LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1978	67.58H	JAN. 20, 1979	57.98	APR. 10, 1979	61.58	JUNE 30, 1979	74.91
OCT. 5	62.23	JAN. 24	59.17H	APR. 15	63.48	JULY 20	73.14H
OCT. 10	66.95	JAN. 25	59.10	APR. 20	65.27	JULY 25	71.93
OCT. 15	66.80	JAN. 31	58.03	APR. 25	62.47	JULY 31	70.95
OCT. 20	66.31	FEB. 5	58.76	APR. 30	62.52	AUG. 5	70.50
OCT. 23	66.08H	FEB. 10	58.31	MAY 5	62.88	AUG. 10	70.49
OCT. 25	65.83	FEB. 15	57.86	MAY 10	65.84	AUG. 15	69.37
OCT. 31	65.70	FEB. 20	57.61	MAY 15	66.82	AUG. 17	69.22
NOV. 5	65.98	FEB. 21	57.77H	MAY 20	69.11	AUG. 20	69.06
NOV. 10	65.40	FEB. 25	57.30	MAY 23	70.48H	AUG. 25	67.79
NOV. 15	65.30	FEB. 28	57.31	MAY 25	69.57	AUG. 31	67.16
DEC. 19	61.17H	MAR. 5	57.29	JUNE 5	65.19H	SEP. 5	66.48
DEC. 20	60.83	MAR. 10	56.37	JUNE 10	65.27	SEP. 10	65.94
DEC. 25	60.22	MAR. 15	57.39	JUNE 15	70.26	SEP. 15	65.46
DEC. 31	59.83	MAR. 20	57.70	JUNE 20	72.52	SEP. 20	65.19
JAN. 5, 1979	59.57	MAR. 25	58.39	JUNE 22	72.35H	SEP. 25	64.58
JAN. 10	59.20	MAR. 31	59.94	JUNE 25	72.48	SEP. 30	64.10
JAN. 15	59.11	APR. 5	63.57				

See footnotes at end of table.

GROUND-WATER LEVELS

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ACADIA PARISH

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 NGVD.
 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
OCT. 23, 1978	57.46	JAN. 24, 1979	53.32	APR. 20, 1979	52.82	JULY 20, 1979	59.33
NOV. 21	56.17	FEB. 21	52.24	MAY 23	54.71	AUG. 17	58.75
DEC. 19	54.52	MAR. 21	51.74	JUNE 22	56.87		

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 NGVD.
 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
OCT. 23, 1978	56.48	JAN. 24, 1979	57.93	APR. 20, 1979	56.66	JULY 20, 1979	56.92
NOV. 21	57.32	FEB. 21	58.21	MAY 23	56.53	AUG. 17	56.89
DEC. 19	57.56	MAR. 21	56.32	JUNE 22	56.54		

302654092341001 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, 2.80 FT ABOVE LSD.
 LSD 42.00 FT NGVD.
 HIGHEST WATER LEVEL 78.51 BELOW LSD, MAR. 4, 1977.
 LOWEST WATER LEVEL 92.79 BELOW LSD, JULY 7, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	78.62	APR. 25	81.99				

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 OF 2-IN COLLAR, 0.57 FT ABOVE LSD.
 LSD 8.14 FT NGVD.
 HIGHEST WATER LEVEL 5.98 ABOVE LSD, MAY 10, 1962.
 LOWEST WATER LEVEL 5.73 BELOW LSD, FEB. 28, 1977.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	4.78	MAR. 6, 1979 +	0.07	MAY 21, 1979 +	4.59	JULY 26, 1979 +	0.97

302008090541601 LOCAL WELL NUMBER: AN-15

OWNER: ROGER M. FRITCHIE. (SEC. 20, T. 8S., R. 3E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 1693 FT, SCREENED 1663-1693. MP TOP OF 2-IN CROSS, 0.90 FT ABOVE LSD (SINCE 5/21/79).
 LSD 16.00 FT NGVD.
 HIGHEST WATER LEVEL 45.73 ABOVE LSD, DEC. 8, 1954, FEB. 28, 1955, APR. 28, 1955.
 LOWEST WATER LEVEL 2.13 ABOVE LSD, APR. 14, 1978.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978 +	5.23	MAY 21, 1979 +	5.14				

See footnotes at end of table.

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 NGVD.
 HIGHEST WATER LEVEL 82.11 BELOW LSD, FEB. 14, 1956,
 LOWEST WATER LEVEL 170.60 BELOW LSD, AUG. 30, 1974.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1978	141.44H	JAN. 25, 1979	141.08	APR. 20, 1979	133.20	JULY 10, 1979	138.60
OCT. 5	130.85	JAN. 31	140.74	APR. 24	132.43H	JULY 15	138.62
OCT. 23	142.61H	FEB. 5	134.79	APR. 25	132.30	JULY 20	141.79
OCT. 25	142.99	FEB. 10	132.93	APR. 30	132.65	JULY 25	141.47
OCT. 31	138.75	FEB. 15	133.62	MAY 5	132.90	JULY 31	139.31
NOV. 5	144.86	FEB. 20	132.05	MAY 10	125.70	AUG. 5	140.82
NOV. 10	142.00	FEB. 25	133.64	MAY 15	134.52	AUG. 6	140.87H
NOV. 15	144.49	FEB. 28	131.01	MAY 20	136.85	AUG. 10	140.83
NOV. 16	142.22H	MAR. 5	134.30	MAY 25	135.05	AUG. 15	140.15
NOV. 20	140.78	MAR. 10	134.75	MAY 31	133.85	AUG. 20	140.06
NOV. 24	139.71H	MAR. 15	134.77	JUNE 5	136.70	AUG. 25	139.85
DEC. 21	139.71H	MAR. 20	135.59	JUNE 10	135.77	AUG. 31	139.55
DEC. 25	142.48	MAR. 22	134.64H	JUNE 15	136.00	SEP. 5	139.33
DEC. 31	141.22	MAR. 25	133.85	JUNE 20	136.25	SEP. 10	139.55
JAN. 5, 1979	141.90	MAR. 31	134.05	JUNE 22	136.38H	SEP. 15	139.77
JAN. 10	141.60	APR. 5	132.60	JUNE 25	136.85	SEP. 20	138.10
JAN. 15	142.63	APR. 10	131.08	JUNE 30	137.35	SEP. 25	136.26
JAN. 20	140.00	APR. 15	132.20	JULY 5	138.26	SEP. 30	139.32
JAN. 23	138.62H						

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, 1.00 FT ABOVE LSD.
 LSD 11.07 FT NGVD.
 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. 5, 1979	113.97						

301110093193701 LOCAL WELL NUMBER: CU-97

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 32 TO 10 IN, REPORTED DEPTH 519 FT, SCREENED 410-519. MP TOP OF 1/2-IN COUPLING, 0.52 FT ABOVE LSD.
 LSD 14.78 FT NGVD.
 HIGHEST WATER LEVEL 92.14 BELOW LSD, APR. 4, 1956,
 LOWEST WATER LEVEL 173.49 BELOW LSD, FEB. 28, 1974.
 RECORDS AVAILABLE 1955-75, 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	161.88						

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 NGVD.
 HIGHEST WATER LEVEL 10.51 BELOW LSD, MAR. 7, 1975,
 LOWEST WATER LEVEL 48.00 BELOW LSD, FEB. 24, 1972.
 RECORDS AVAILABLE 1972, 1975, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	14.98						

See footnotes at end of table.

GROUND-WATER LEVELS

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CALCASIEU PARISH

300905093224501 LOCAL WELL NUMBER: CII-125

OWNER: CITIES SERVICE OIL CO. (SEC. 34, T. 10S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 700 FT, SCREENED INTERVAL UNKNOWN, MP WIDE CRACK IN WOODEN COVER OVER WELL, 1.10 FT ABOVE LSD.
 LSD 14.20 FT NGVD.
 HIGHEST WATER LEVEL 10.23 BELOW LSD, APR. 11, 1944.
 LOWEST WATER LEVEL 96.10 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE 1943-64, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	95.58						

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 NGVD.
 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. 1, 1979	43.54						

300636093074601 LOCAL WELL NUMBER: CII-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 NGVD.
 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. 12, 1979	47.03						

300400093091701 LOCAL WELL NUMBER: CII-167

OWNER: L. G. WITTLE. (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 NGVD.
 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. 12, 1979	41.55						

300440093084501 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 NGVD.
 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. 12, 1979	46.44						

300816093093701 LOCAL WELL NUMBER: CU-172

OWNER: ERNEST COBENA. (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 NGVD.
 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, 1979	72.82						

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, 4.30 FT ABOVE LSD.
 LSD 23.53 FT NGVD.
 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, 1979	85.87						

302700093253701 LOCAL WELL NUMBER: CU-213

OWNER: A. A. DAVIS. (SEC. 18, T. 7S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE 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 NGVD.
 HIGHEST WATER LEVEL 61.37 BELOW LSD, NOV. 26, 1963,
 LOWEST WATER LEVEL 83.72 BELOW LSD, FEB. 27, 1979.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	83.72						

302659093253601 LOCAL WELL NUMBER: CU-215

OWNER: NICHOLS 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 1/4-IN PLUG ATOP WELL, AT LSD.
 LSD 70.55 FT NGVD.
 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
FEB. 27, 1979	69.38						

301634093140202 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 NGVD.
 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, 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	46.96						

GROUND-WATER LEVELS

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CALCASIEU PARISH

301115093191501 LOCAL WELL NUMBER: CU-445

OWNER: CITIES SERVICE OIL CO. (SFC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, DEPTH 540 FT, SCREENED 460-540. MP TOP OF RECORDER SHELTER FLOOR, 2.00 FT ABOVE LSD.
 LSD 12.26 FT NGVD.
 HIGHEST WATER LEVEL 30.96 BELOW LSD, APR. 20, 1947.
 LOWEST WATER LEVEL 177.75 BELOW LSD, AUG. 23, 1973.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1978	163.89H	DEC. 31, 1978	156.53	MAR. 31, 1979	152.39	JULY 5, 1979	161.91
OCT. 5	163.11	JAN. 5, 1979	163.85	APR. 5	151.62	JULY 10	160.57
OCT. 10	159.90	JAN. 10	160.65	APR. 10	152.08	JULY 15	162.16
OCT. 15	159.21	JAN. 15	161.97	APR. 15	153.58	JULY 20	161.09
OCT. 20	162.39	JAN. 20	160.76	APR. 20	153.84	JULY 25	160.08
OCT. 23	162.67H	JAN. 23	159.10	APR. 24	153.08H	JULY 31	161.15
OCT. 25	161.99	JAN. 25	159.89	APR. 25	152.66	AUG. 5	162.40
OCT. 31	161.62	JAN. 31	160.23	APR. 30	152.70	AUG. 6	162.27H
NOV. 5	160.84	FEB. 5	157.81	MAY 5	152.11	AUG. 10	161.73
NOV. 10	155.96	FEB. 10	157.03	MAY 10	153.80	AUG. 14	161.37H
NOV. 15	158.89	FEB. 15	156.05	MAY 15	155.77	AUG. 15	161.85
NOV. 16	159.67H	FEB. 20	156.04	MAY 20	155.66	AUG. 20	163.06
NOV. 20	158.76	FEB. 23	156.55H	MAY 25	157.11	AUG. 25	160.89
NOV. 25	159.09	FEB. 25	156.03	MAY 31	155.70	AUG. 28	162.10H
NOV. 30	159.51	FEB. 28	154.23	JUNE 5	156.47	AUG. 31	160.58
DEC. 5	158.46	MAR. 5	153.18	JUNE 10	158.72	SEP. 5	160.62
DEC. 10	158.68	MAR. 10	152.22	JUNE 15	158.67	SEP. 10	162.28
DEC. 15	156.99	MAR. 15	153.27	JUNE 20	159.70	SEP. 15	163.99
DEC. 20	158.88	MAR. 20	154.48	JUNE 22	158.88H	SEP. 20	158.41
DEC. 21	158.02H	MAR. 22	151.48H	JUNE 25	159.98	SEP. 25	158.96
DEC. 25	156.56	MAR. 25	151.21	JUNE 30	161.54	SEP. 30	159.38

301115093191001 LOCAL WELL NUMBER: CU-446

OWNER: CITIES SERVICE OIL CO. (SFC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 738 FT, SCREENED 658-738. MP TOP OF RECORDER SHELTER FLOOR, 1.89 FT ABOVE LSD.
 LSD 12.40 FT NGVD.
 HIGHEST WATER LEVEL 22.80 BELOW LSD, APR. 27, 1946.
 LOWEST WATER LEVEL 129.80 BELOW LSD, AUG. 5, 1974.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1978	120.80H	DEC. 31, 1978	116.38	MAR. 31, 1979	111.88	JULY 5, 1979	118.68
OCT. 5	120.04	JAN. 5, 1979	116.92	APR. 5	112.14	JULY 10	119.22
OCT. 10	119.77	JAN. 10	117.20	APR. 10	111.66	JULY 15	119.41
OCT. 15	119.68	JAN. 15	117.35	APR. 15	111.86	JULY 20	119.52
OCT. 20	119.69	JAN. 20	116.82	APR. 20	111.76	JULY 25	118.97
OCT. 23	120.48H	JAN. 23	116.57H	APR. 24	111.61H	JULY 31	119.52
OCT. 25	120.45	JAN. 25	116.88	APR. 25	111.56	AUG. 5	119.80
OCT. 31	120.24	JAN. 31	116.40	APR. 30	111.53	AUG. 6	119.76H
NOV. 5	120.20	FEB. 5	115.93	MAY 5	112.00	AUG. 10	119.72
NOV. 10	119.53	FEB. 10	115.17	MAY 10	112.12	AUG. 14	119.72H
NOV. 15	119.45	FEB. 15	114.60	MAY 15	113.26	AUG. 15	119.72
NOV. 16	119.35H	FEB. 20	114.09	MAY 20	114.23	AUG. 20	119.75
NOV. 20	119.21	FEB. 23	113.93H	MAY 25	114.89	AUG. 25	119.44
NOV. 25	118.67	FEB. 25	114.05	MAY 31	115.20	AUG. 28	119.30H
NOV. 30	118.10	FEB. 28	113.60	JUNE 5	115.37	AUG. 31	119.24
DEC. 5	117.79	MAR. 5	113.31	JUNE 10	115.59	SEP. 5	119.11
DEC. 10	117.78	MAR. 10	112.99	JUNE 15	115.84	SEP. 10	118.97
DEC. 15	117.21	MAR. 15	112.84	JUNE 20	116.54	SEP. 15	119.31
DEC. 20	116.98	MAR. 20	112.23	JUNE 22	116.71H	SEP. 20	117.93
DEC. 21	117.24H	MAR. 22	112.26H	JUNE 25	117.10	SEP. 25	117.84
DEC. 25	117.10	MAR. 25	112.29	JUNE 30	117.60	SEP. 30	117.72

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 NGVD.
 HIGHEST WATER LEVEL 30.65 BELOW LSD, MAY 1, 1950.
 LOWEST WATER LEVEL 67.88 BELOW LSD, MAR. 2, 1979.
 RECORDS AVAILABLE 1948-62, 1972, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	67.88						

See footnotes at end of table.

LOUISIANA - CALCASIEU PARISH

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 NGVD.
 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
FEB. 28, 1979	77.91						

300651093243101 LOCAL WELL NUMBER: CU-515

OWNER: M. J. ELLENDER ESTATE. (SEC. 8, T. 11S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 573 FT, SCREENED 554-573. MP LOWER LIP OF DISCHARGE PIPE, 6.10 FT ABOVE LSD.
 LSD 11.15 FT NGVD.
 HIGHEST WATER LEVEL 36.85 BELOW LSD, APR. 6, 1956.
 LOWEST WATER LEVEL 79.32 BELOW LSD, FEB. 28, 1973.
 RECORDS AVAILABLE 1955-76, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	76.15						

302236093140002 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, 7.10 FT ABOVE LSD.
 LSD 38.80 FT NGVD.
 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. 9, 1979	69.92						

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 NGVD.
 HIGHEST WATER LEVEL 46.49 BELOW LSD, JAN. 1, 1972.
 LOWEST WATER LEVEL 53.54 BELOW LSD, MAR. 12, 1979.
 RECORDS AVAILABLE 1972, 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 12, 1979	53.54						

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 LSD.
 LSD 9.32 FT NGVD.
 HIGHEST WATER LEVEL 22.42 BELOW LSD, MAR. 16, 1955.
 LOWEST WATER LEVEL 57.40 BELOW LSD, FEB. 26, 1973.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 29, 1979	55.34						

GROUND-WATER LEVELS

373

CALCASIEU PARISH

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 NGVD.

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. 12, 1979	41.33						

301431093131501 LOCAL WELL NUMBER: CU-553

OWNER: GREATER LAKE CHARLES WATER CO. (SEC. 31, T. 9S., R. 8W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, DEPTH 670 FT, SCREENED 584-670. MP AIR VENT HOLE IN PUMP BASE, 1.00 FT ABOVE LSD.

LSD 15.00 FT NGVD.

HIGHEST WATER LEVEL 114.28 BELOW LSD, MAR. 9, 1979.

LOWEST WATER LEVEL 114.28 BELOW LSD, MAR. 9, 1979.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	114.28						

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 LSD.

LSD 10.00 FT NGVD.

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, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	65.93						

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 IN, DEPTH 450 FT, SCREENED 370-450. MP TOP OF 1/2-IN HOLE DRILLED IN COVER, AT LSD.

LSD 32.00 FT NGVD.

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
FEB. 27, 1979	40.50						

301945093291301 LOCAL WELL NUMBER: CU-570

OWNER: INDUSTRIAL LUMBER CO. (SEC. 28, T. 8S., R. 11W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 12 IN, REPORTED DEPTH 400 FT, SCREENED INTERVAL UNKNOWN. MP OPENING TO CASING IN PUMP BASE AT 3/4-IN NIPPLE BELOW DRIVE SHAFT U-JOINT, 1.10 FT ABOVE LSD.

LSD 35.16 FT NGVD.

HIGHEST WATER LEVEL 37.28 BELOW LSD, SEP. 25, 1957.

LOWEST WATER LEVEL 65.45 BELOW LSD, MAR. 1, 1973.

RECORDS AVAILABLE 1955-76, 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	57.41						

LOUISIANA - CALCASIEU PARISH

301509093252102 LOCAL WELL NUMBER: CU-581

OWNER: PPG INDUSTRIES. (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 NGVD.
 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
FEB. 28, 1979	78.03						

300818093224601 LOCAL WELL NUMBER: CU-614

OWNER: MAURICE DROST. (SEC. 3, T. 11S., R. 10W.) 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 NGVD.
 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
FEB. 28, 1979	87.20						

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, 6.50 FT ABOVE LSD.
 LSD 48.56 FT NGVD.
 HIGHEST WATER LEVEL 30.84 BELOW LSD, APR. 3, 1956.
 LOWEST WATER LEVEL 49.04 BELOW LSD, AUG. 26, 1964.
 RECORDS AVAILABLE 1954-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	48.04						

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, 8.00 FT ABOVE LSD.
 LSD 25.45 FT NGVD.
 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. 9, 1979	44.59						

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 NGVD.
 HIGHEST WATER LEVEL 108.19 BELOW LSD, FEB. 16, 1971.
 LOWEST WATER LEVEL 118.31 BELOW LSD, MAR. 1, 1978.
 RECORDS AVAILABLE 1971-74, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	112.44						

GROUND-WATER LEVELS

375

CALCASIEU PARISH

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 NGVD.
 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. 2, 1979	66.85						

301447093025801 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 18 IN, REPORTED DEPTH 200 FT, SCREENED 140-200. MP LOWER LIP OF DISCHARGE PIPE, 5.40 FT ABOVE LSD.
 LSD 20.55 FT NGVD.
 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, 1979	55.00						

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 NGVD.
 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. 12, 1979	49.01						

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 NGVD.
 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. 9, 1979	55.17						

301154093123801 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, 0.60 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 96.17 BELOW LSD, MAR. 10, 1977.
 LOWEST WATER LEVEL 97.22 BELOW LSD, MAR. 8, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1979	97.22						

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, 5.60 FT ABOVE LSD.
 LSD 10.96 FT NGVD.
 HIGHEST WATER LEVEL 42.78 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 76.38 BELOW LSD, MAR. 12, 1979.
 RECORDS AVAILABLE 1958-69, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 12, 1979	76.38						

301033093160901 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 LSD.
 LSD 15.00 FT NGVD.
 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. 5, 1979	68.57						

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, 1.00 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 99.49 BELOW LSD, MAR. 10, 1977,
 LOWEST WATER LEVEL 101.58 BELOW LSD, MAR. 6, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	101.18						

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 NGVD.
 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. 5, 1979	80.56						

301404093170501 LOCAL WELL NUMBER: CU-725

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 640 FT, SCREENED 630-640. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 17.50 FT NGVD.
 HIGHEST WATER LEVEL 98.10 BELOW LSD, MAR. 2, 1962,
 LOWEST WATER LEVEL 147.59 BELOW LSD, MAY 19, 1978.
 RECORDS AVAILABLE 1961-72, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	138.00						

GROUND-WATER LEVELS

377

CALCASIEU PARISH

301405043171006 LOCAL WELL NUMBER: CU-730

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 165 FT, SCREENED 155-165. MP TOP OF 2-IN PIPE, 1.60 FT ABOVE LSD.
 LSD 17.67 FT NGVD.
 HIGHEST WATER LEVEL 54.64 BELOW LSD, MAR. 29, 1963.
 LOWEST WATER LEVEL 85.66 BELOW LSD, AUG. 5, 1974.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	76.86	JAN. 23, 1979	74.65	APR. 24, 1979	72.94	AUG. 6, 1979	75.58
NOV. 16	76.71	FEB. 28	74.25	MAY 25	73.83	AUG. 28	74.43
DEC. 21	75.55	MAR. 22	73.60	JUNE 22	74.78		

301258093172401 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 NGVD.
 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
FEB. 27, 1979	126.64						

301258093172402 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 NGVD.
 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
FEB. 27, 1979	130.35						

301258093172403 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 NGVD.
 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
FEB. 27, 1979	70.08						

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 NGVD.
 HIGHEST WATER LEVEL 87.66 BELOW LSD, APR. 2, 1962.
 LOWEST WATER LEVEL 145.17 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	138.88	JAN. 23, 1979	138.26	APR. 19, 1979	127.97	JULY 25, 1979	137.00
NOV. 16	137.83	FEB. 27	128.95	MAY 25	132.16	AUG. 28	140.53
DEC. 21	134.54	MAR. 22	129.38	JUNE 22	134.08		

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 NGVD.
 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
FEB. 27, 1979	132.79						

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 NGVD.
 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
FEB. 27, 1979	65.54						

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, 2.00 FT ABOVE LSD.
 LSD 7.22 FT NGVD.
 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
FEB. 28, 1979	116.47						

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, 2.00 FT ABOVE LSD.
 LSD 7.17 FT NGVD.
 HIGHEST WATER LEVEL 88.60 BELOW LSD, MAR. 29, 1963.
 LOWEST WATER LEVEL 134.14 BELOW LSD, JUNE 21, 1978.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	123.27						

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 NGVD.
 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
FEB. 28, 1979	63.52						

CALCASIEU PARISH

301321093125501 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 NGVD.
 HIGHEST WATER LEVEL 67.72 BELOW LSD, APR. 1, 1963,
 LOWEST WATER LEVEL 111.17 BELOW LSD, SEP. 10, 1971.
 RECORDS AVAILABLE 1962-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	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, 2.00 FT ABOVE LSD.
 LSD 9.61 FT NGVD.
 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. 6, 1979	41.77						

301036093124401 LOCAL WELL NUMBER: CU-767

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 850 FT, SCREENED 840-850. MP TOP OF 2-IN CASING, 1.99 FT ABOVE LSD.
 LSD 11.42 FT NGVD.
 HIGHEST WATER LEVEL 63.26 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 105.98 BELOW LSD, SEP. 30, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	96.89	JAN. 23, 1979	92.90	APR. 30, 1979	94.17	JUNE 22, 1979	96.87
NOV. 16	95.59	FEB. 28	90.43	MAY 25	95.03	AUG. 28	96.46
DEC. 19	93.61	MAR. 22	89.29				

301036093124402 LOCAL WELL NUMBER: CU-768

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 306 FT, SCREENED 296-306. MP TOP OF 2-IN CASING, 2.40 FT ABOVE LSD.
 LSD 11.53 FT NGVD.
 HIGHEST WATER LEVEL 53.00 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 89.59 BELOW LSD, FEB. 28, 1973.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	79.40	JAN. 23, 1979	76.41	APR. 30, 1979	76.87	JUNE 22, 1979	77.01
NOV. 16	78.72	FEB. 28	75.23	MAY 25	75.76	AUG. 28	78.59
DEC. 19	77.29	MAR. 22	74.22				

301336093183001 LOCAL WELL NUMBER: CU-769

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 642 FT, SCREENED 632-642. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 17.62 FT NGVD.
 HIGHEST WATER LEVEL 91.56 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 146.44 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	129.16						

LOUISIANA - CALCASIEU PARISH

301336093183003 LOCAL WELL NUMBER: CU-770

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 490 FT, SCREENED 480-490. MP TOP OF 2-IN CASING, 2.13 FT ABOVE LSD.
 LSD 17.54 FT NGVD.
 HIGHEST WATER LEVEL 91.77 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 146.72 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	130.18						

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 NGVD.
 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
FEB. 27, 1979	75.75						

301814093384001 LOCAL WELL NUMBER: CU-781

OWNER: EDGEHLY 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 NGVD.
 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
FEB. 27, 1979	53.24						

301218093175803 LOCAL WELL NUMBER: CU-784

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 532 FT, SCREENED 522-532. MP TOP OF 2-IN PLASTIC PIPE, 2.00 FT ABOVE LSD.
 LSD 10.78 FT NGVD.
 HIGHEST WATER LEVEL 89.65 BELOW LSD, APR. 8, 1964,
 LOWEST WATER LEVEL 144.88 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	125.93						

300820093131903 LOCAL WELL NUMBER: CU-786U

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 11S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 840 FT, SCREENED 830-840. MP TOP OF 4-IN CASING, 2.63 FT ABOVE LSD.
 LSD 13.25 FT NGVD.
 HIGHEST WATER LEVEL 62.19 BELOW LSD, APR. 14, 1965,
 LOWEST WATER LEVEL 104.48 BELOW LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	84.10						

GROUND-WATER LEVELS

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CALCASIEU PARISH

300820093131904 LOCAL WELL NUMBER: CU-786L

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 11S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 880 FT, SCREENED 870-880. MP TOP OF 4-IN CASING, 2.63 FT ABOVE LSD.
 LSD 13.25 FT NGVD.
 HIGHEST WATER LEVEL 62.32 BELOW LSD, APR. 14, 1965.
 LOWEST WATER LEVEL 100.71 BELOW LSD, JULY 30, 1973.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	84.17						

300353093210201 LOCAL WELL NUMBER: CU-787

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 734 FT, SCREENED 729-734. MP TOP OF 2-IN CASING, 4.00 FT ABOVE LSD.
 LSD 4.33 FT NGVD.
 HIGHEST WATER LEVEL 46.98 BELOW LSD, APR. 13, 1965.
 LOWEST WATER LEVEL 78.58 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	68.47						

300825093260801 LOCAL WELL NUMBER: CU-788

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 10S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 805 FT, SCREENED 800-805. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 6.11 FT NGVD.
 HIGHEST WATER LEVEL 47.61 BELOW LSD, APR. 12, 1965.
 LOWEST WATER LEVEL 77.82 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	69.32						

301100093200001 LOCAL WELL NUMBER: CU-789

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 640 FT, SCREENED 635-640. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 18.42 FT NGVD.
 HIGHEST WATER LEVEL 86.31 BELOW LSD, APR. 12, 1965.
 LOWEST WATER LEVEL 131.68 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	114.12						

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, 2.00 FT ABOVE LSD.
 LSD 53.29 FT NGVD.
 HIGHEST WATER LEVEL 61.15 BELOW LSD, MAR. 24, 1965.
 LOWEST WATER LEVEL 78.29 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1964-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	74.73						

300855093155502 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 NGVD.
 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. 5, 1979	109.37						

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 NGVD.
 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, 1979	72.71						

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, 11.62 FT ABOVE LSD.
 LSD 25.43 FT NGVD.
 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. 1, 1979	62.03						

300812093165802 LOCAL WELL NUMBER: CU-811

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 923 FT, SCREENED 912-923. MP TOP OF 2-IN CASING, 1.65 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 90.44 BELOW LSD, MAR. 5, 1979,
 LOWEST WATER LEVEL 99.85 BELOW LSD, SEP. 8, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	90.44						

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 NGVD.
 HIGHEST WATER LEVEL 141.67 BELOW LSD, FEB. 25, 1976,
 LOWEST WATER LEVEL 160.98 BELOW LSD, SEP. 10, 1973.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	145.48						

GROUND-WATER LEVELS

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CALCASIEU PARISH

301148093193202 LOCAL WELL NUMBER: CU-R43

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 1A, 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 NGVD.
 HIGHEST WATER LEVEL 65.92 BELOW LSD, FEB. 25, 1976.
 LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	68.75						

301148093193203 LOCAL WELL NUMBER: CU-R44

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 1A, 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 NGVD.
 HIGHEST WATER LEVEL 139.58 BELOW LSD, MAR. 19, 1975.
 LOWEST WATER LEVEL 162.39 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	144.66						

301230093193202 LOCAL WELL NUMBER: CU-R47

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 522 FT, SCREENED 517-522. MP TOP OF 2-IN PIPE, 1.93 FT ABOVE LSD (SINCE 4/17/79).
 LSD 13.00 FT NGVD.
 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
APR. 17, 1979	123.39						

301043093201601 LOCAL WELL NUMBER: CU-R48

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 542 FT, SCREENED 537-542. MP TOP OF 2-IN CASING, 1.00 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 146.16 BELOW LSD, FEB. 28, 1975.
 LOWEST WATER LEVEL 166.65 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	149.56						

301205093182501 LOCAL WELL NUMBER: CU-R49

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 8, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 564 FT, SCREENED 559-564. MP TOP OF 2-IN CASING, 1.42 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 124.54 BELOW LSD, MAR. 12, 1976.
 LOWEST WATER LEVEL 162.33 BELOW LSD, OCT. 17, 1973.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	126.58						

LOUISIANA - CALCASIEU PARISH

301200093191901 LOCAL WELL NUMBER: CU-A50

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 548 FT, SCREENED 543-548. MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 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
FEB. 27, 1979	131.73						

301213093191701 LOCAL WELL NUMBER: CU-A51

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 NGVD.
 HIGHEST WATER LEVEL 121.97 BELOW LSD, MAR. 5, 1973.
 LOWEST WATER LEVEL 145.67 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	128.49						

301153093192101 LOCAL WELL NUMBER: CU-A52

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 555-560. MP TOP OF 2-IN CASING, 4.40 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 104.11 BELOW LSD, MAR. 18, 1973.
 LOWEST WATER LEVEL 154.60 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	136.76						

300806093360301 LOCAL WELL NUMBER: CU-A53

OWNER: MATILDA GRAY ESTATE. (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 NGVD.
 HIGHEST WATER LEVEL 60.87 BELOW LSD, MAR. 10, 1977.
 LOWEST WATER LEVEL 62.41 BELOW LSD, FEB. 28, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	62.41						

300643093044702 LOCAL WELL NUMBER: CU-A54

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 NGVD.
 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. 1, 1979	55.04						

GROUND-WATER LEVELS

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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 NGVD.
 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. 1, 1979	66.52						

301944093170401 LOCAL WELL NUMBER: CU-958

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 8S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 707 FT, SCREENED 702-707. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 65.36 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
FEB. 27, 1979	66.34						

301031093204901 LOCAL WELL NUMBER: CU-959

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 733 FT, SCREENED 727-733. MP TOP OF 2-IN CASING, 2.85 FT ABOVE LSD.
 LSD 21.00 FT NGVD.
 HIGHEST WATER LEVEL 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
FEB. 27, 1979	113.78						

301031093204902 LOCAL WELL NUMBER: CU-960

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 598 FT, SCREENED 592-598. MP TOP OF 2-IN CASING, 2.86 FT ABOVE LSD.
 LSD 21.00 FT NGVD.
 HIGHEST WATER LEVEL 117.93 BELOW LSD, APR. 16, 1975.
 LOWEST WATER LEVEL 134.18 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	118.73						

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, 1.70 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 52.97 BELOW LSD, MAR. 4, 1976.
 LOWEST WATER LEVEL 55.22 BELOW LSD, NOV. 4, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	55.15						

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, 1.60 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 83.78 BELOW LSD, APP. 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. 2, 1979	84.13						

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 NGVD.
 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
FEB. 28, 1979	77.15						

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 LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 59.95 BELOW LSD, AUG. 29, 1974.
 LOWEST WATER LEVEL 74.74 BELOW LSD, JUNE 12, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1979	66.56						

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, 1.40 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 51.01 BELOW LSD, MAR. 1, 1978.
 LOWEST WATER LEVEL 71.45 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	52.98						

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 12.00 FT NGVD.
 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. 5, 1979	68.11						

GROUND-WATER LEVELS

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CALCASIEU PARISH

300557093250401 LOCAL WELL NUMBER: CII-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, 1.30 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 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
FEB. 28, 1979	49.46						

301117093021601 LOCAL WELL NUMBER: CII-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 NGVD.
 HIGHEST WATER LEVEL 52.78 BELOW LSD, MAR. 1, 1978.
 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. 9, 1979	54.30						

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, 1.90 FT ABOVE LSD (SINCE 3/1/79).
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 36.83 BELOW LSD, MAR. 1, 1979.
 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. 1, 1979	36.83						

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, 1.70 FT ABOVE LSD (SINCE 3/1/79).
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 34.10 BELOW LSD, MAR. 2, 1978.
 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. 1, 1979	41.27						

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 NGVD.
 HIGHEST WATER LEVEL 45.60 BELOW LSD, FEB. 20, 1976, MAR. 9, 1977.
 LOWEST WATER LEVEL 51.03 BELOW LSD, JUNE 25, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	46.90						

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 NGVD.

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
FEB. 28, 1979	86.40						

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, 4.00 FT ABOVE LSD.

LSD 5.00 FT NGVD.

HIGHEST WATER LEVEL 82.68 BELOW LSD, FEB. 20, 1976.

LOWEST WATER LEVEL 92.83 BELOW LSD, AUG. 18, 1975.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	83.31						

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, 1.80 FT ABOVE LSD.

LSD 20.00 FT NGVD.

HIGHEST WATER LEVEL 38.77 BELOW LSD, MAR. 3, 1978.

LOWEST WATER LEVEL 39.86 BELOW LSD, MAR. 9, 1979.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1979	39.86						

301129093183001 LOCAL WELL NUMBER: CU-976

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 550 FT, SCREENED 545-550. MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.

LSD 10.00 FT NGVD.

HIGHEST WATER LEVEL 117.99 BELOW LSD, MAR. 12, 1976.

LOWEST WATER LEVEL 129.07 BELOW LSD, JUNE 13, 1977.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1979	121.87						

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 NGVD.

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
FEB. 27, 1979	65.63						

GROUND-WATER LEVELS

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CALCASIEU 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 NGVD.
 HIGHEST WATER LEVEL 91.50 BELOW LSD, FEB. 20, 1976.
 LOWEST WATER LEVEL 100.35 BELOW LSD, MAY 19, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	94.00						

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, 3.00 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 86.79 BELOW LSD, MAR. 23, 1976.
 LOWEST WATER LEVEL 102.61 BELOW LSD, JUNE 23, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	89.80						

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 NGVD.
 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
FEB. 28, 1979	13.29						

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 NGVD.
 HIGHEST WATER LEVEL 113.53 BELOW LSD, FEB. 21, 1974.
 LOWEST WATER LEVEL 114.27 BELOW LSD, MAR. 28, 1975.
 RECORDS AVAILABLE 1974-75, 1977, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	113.94						

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 17.00 FT NGVD.
 HIGHEST WATER LEVEL 101.39 BELOW LSD, MAR. 5, 1979.
 LOWEST WATER LEVEL 115.32 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	108.37	MAR. 5, 1979	101.39	APR. 30, 1979	110.19	JUNE 25, 1979	107.45
FEB. 1, 1979	104.02						

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, 2.80 FT ABOVE LSD.
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 94.30 BELOW LSD, MAR. 26, 1976.
 LOWEST WATER LEVEL 113.62 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	105.38	FEB. 28, 1979	98.18	MAY 25, 1979	103.57	JUNE 22, 1979	105.78
DEC. 19	101.22	APR. 30	99.33				

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, 2.70 FT ABOVE LSD.
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 75.02 BELOW LSD, JAN. 24, 1977.
 LOWEST WATER LEVEL 88.50 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	84.71	FEB. 28, 1979	80.02	MAY 25, 1979	81.13	JUNE 22, 1979	82.68
DEC. 19	82.13	APR. 30	80.48				

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, 2.80 FT ABOVE LSD.
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 66.18 BELOW LSD, APR. 22, 1976.
 LOWEST WATER LEVEL 73.83 BELOW LSD, AUG. 16, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	72.59	FEB. 28, 1979	69.42	MAY 25, 1979	69.24	JUNE 22, 1979	70.35
DEC. 19	70.96	APR. 30	71.47				

301436093335101 LOCAL WELL NUMBER: CU-991

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 9S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 315 FT, SCREENED 310-315. MP TOP OF 2-IN CASING, 1.80 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 42.58 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
FEB. 28, 1979	44.19						

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, 2.90 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 52.13 BELOW LSD, MAR. 2, 1976.
 LOWEST WATER LEVEL 53.84 BELOW LSD, FEB. 28, 1979.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	53.84						

CALCASIEU PARISH

301141093123501 LOCAL WELL NUMBER: CU-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 375 FT, SCREENED 367-375. MP TOP OF CASING, 1.90 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 98.99 BELOW LSD, FEB. 28, 1979.
 LOWEST WATER LEVEL 114.27 BELOW LSD, JULY 7, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	106.14	FEB. 28, 1979	98.99	JUNE 22, 1979	105.75		

301435093154601 LOCAL WELL NUMBER: CU-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 487 FT, SCREENED 477-487. MP TOP OF CASING, 1.75 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 119.89 BELOW LSD, FEB. 28, 1979.
 LOWEST WATER LEVEL 133.57 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	127.71	FEB. 1, 1979	125.37	FEB. 28, 1979	119.89	JUNE 25, 1979	125.82

301444093162901 LOCAL WELL NUMBER: CU-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 618 FT, SCREENED 608-618. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 122.67 BELOW LSD, FEB. 28, 1979.
 LOWEST WATER LEVEL 137.32 BELOW LSD, AUG. 16, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1978	130.71	FEB. 1, 1979	127.73	FEB. 28, 1979	122.67	JUNE 25, 1979	125.13

EAST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EH-90

OWNER: BATON ROUGE WATER WORKS. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN, REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.90 FT ABOVE LSD.
 LSD 59.05 FT NGVD.
 HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943.
 LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.
 RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	268.15	MAR. 7, 1979	270.59	JUNE 12, 1979	269.35	AUG. 13, 1979	276.69
DEC. 7	272.52	MAR. 29	269.20	JULY 16	272.04	SEP. 26	279.40
JAN. 16, 1979	280.80	MAY 14	266.10				

302657091101201 LOCAL WELL NUMBER: EH-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 NGVD.
 HIGHEST WATER LEVEL 74.00 ABOVE LSD, JAN. 2, 1930.
 LOWEST WATER LEVEL 301.20 BELOW LSD, JULY 26, 1973.
 RECORDS AVAILABLE 1930, 1940, 1943, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	275.08	MAR. 7, 1979	282.57	MAY 17, 1979	275.65	JULY 12, 1979	284.71

302604091095801 LOCAL WELL NUMBER: EP-123

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, DEPTH 710 FT, SCREENED 630-710. MP TOP OF RECORDER SHELTER FLOOR, 0.81 FT ABOVE LSD.
 LSD 51.13 FT NGVD.
 HIGHEST WATER LEVEL 50.70 BELOW LSD, APR. 1, 1935.
 LOWEST WATER LEVEL 143.70 BELOW LSD, SEP. 4, 1940.
 RECORDS AVAILABLE 1935, 1939-40, 1947-49, 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	94.00	APR. 27, 1979	67.94	MAY 22, 1979	68.83	JULY 12, 1979	81.22
MAR. 7, 1979	69.65	MAY 8	67.82				

302617091103602 LOCAL WELL NUMBER: EP-127

OWNER: BROWN-EAGLE ICE CO. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 330 FT, SCREENED 229-330. MP TOP OF RECORDER BASE, 1.73 FT BELOW LSD.
 LSD 49.56 FT NGVD.
 HIGHEST WATER LEVEL 14.65 BELOW LSD, APR. 27, 1979.
 LOWEST WATER LEVEL 53.13 BELOW LSD, OCT. 26, 1956.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	46.46	MAR. 7, 1979	25.65	APR. 27, 1979	14.66	JULY 12, 1979	38.38

302648091102301 LOCAL WELL NUMBER: ER-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 NGVD.
 HIGHEST WATER LEVEL 67.90 BELOW LSD, MAR. 15, 1946, MAR. 25, 1946.
 LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.
 RECORDS AVAILABLE 1940-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	102.08	MAR. 7, 1979	79.90	MAY 17, 1979	79.15	JULY 16, 1979	90.40

302653091095701 LOCAL WELL NUMBER: ER-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 PLEISTOCENE AGE, DIAM 6 TO 4 IN, REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP EDGE OF 1/4-IN HOLE IN PLATE ATOP CASING, 0.45 FT BELOW LSD (SINCE 5/17/79).
 LSD 52.00 FT NGVD.
 HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916.
 LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	116.96	MAR. 7, 1979	112.28	MAY 15, 1979	110.46	JULY 12, 1979	118.15

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302930091101501 LOCAL WELL NUMBER: ER-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, REPORTED DEPTH 412 FT, SCREENED 311-412, MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.
 LSD 60.14 FT NGVD.
 HIGHEST WATER LEVEL 70.44 BELOW LSD, MAY 13, 1973.
 LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1978	130.95H	JAN. 5, 1979	96.56	APR. 5, 1979	97.10	JULY 5, 1979	116.54
OCT. 5	129.62	JAN. 10	90.04	APR. 10	93.86	JULY 10	112.55
OCT. 10	118.13	JAN. 15	95.14	APR. 15	92.90	JULY 16	113.17H
OCT. 15	114.97	JAN. 16	92.33H	APR. 20	90.64	JULY 20	114.55
OCT. 20	114.37	JAN. 20	88.64	APR. 25	86.27	JULY 25	114.61
OCT. 25	113.74	JAN. 25	89.61	APR. 30	92.91	JULY 31	112.60
OCT. 31	111.95	JAN. 31	83.23	MAY 5	96.41	AUG. 5	117.10
NOV. 5	114.03	FEB. 5	83.27	MAY 10	95.34	AUG. 10	116.41
NOV. 6	111.83H	FEB. 10	78.28	MAY 14	101.91H	AUG. 13	118.68H
NOV. 10	105.90	FEB. 15	80.63	MAY 15	97.36	AUG. 15	121.35
NOV. 15	106.70	FEB. 20	86.63	MAY 20	96.86	AUG. 20	127.64
NOV. 20	106.55	FEB. 25	86.12	MAY 25	95.55	AUG. 25	117.50
NOV. 25	100.67	FEB. 28	86.76	MAY 31	92.82	AUG. 31	118.40
NOV. 30	103.20	MAR. 2	90.24H	JUNE 5	91.73	SEP. 5	125.45
DEC. 5	103.56	MAR. 5	92.70	JUNE 10	99.07	SEP. 10	121.66
DEC. 7	95.59H	MAR. 10	91.94	JUNE 12	101.64H	SEP. 15	120.24
DEC. 10	101.93	MAR. 15	86.74	JUNE 15	102.03	SEP. 20	123.43
DEC. 15	98.04	MAR. 20	89.73	JUNE 20	107.63	SEP. 25	122.49
DEC. 20	91.96	MAR. 25	89.60	JUNE 25	102.85	SEP. 26	118.93H
DEC. 25	91.68	MAR. 29	95.22H	JUNE 30	111.42	SEP. 30	122.27
DEC. 31	89.18	MAR. 31	96.75				

303001091093801 LOCAL WELL NUMBER: ER-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 PLEISTOCENE AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 1,496 FT, SCREENED 1,416-1,496, MP TOP EDGE OF 1 1/2-IN COLLAR ON PLATE ATOP CASING, 1.95 FT ABOVE LSD.
 LSD 56.00 FT NGVD.
 HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943.
 LOWEST WATER LEVEL 147.27 BELOW LSD, MAY 14, 1979.
 RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	135.58	MAR. 7, 1979	128.14	JUNE 12, 1979	131.40	AUG. 13, 1979	131.83
DEC. 7	124.37	MAR. 29	125.90	JULY 16	136.99	SEP. 24	129.75
JAN. 16, 1979	131.05	MAY 14	147.27				

303358091094401 LOCAL WELL NUMBER: ER-172

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 239 FT, SCREENED 218-239, MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 66.00 FT NGVD.
 HIGHEST WATER LEVEL 40.94 BELOW LSD, MAY 15, 1979.
 LOWEST WATER LEVEL 62.90 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1942, 1948-50, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	53.90	MAR. 8, 1979	45.92	MAY 15, 1979	40.94	JULY 12, 1979	43.92

302427091103901 LOCAL WELL NUMBER: EB-241

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 4 IN, REPORTED DEPTH 933 FT, SCREENED INTERVAL UNKNOWN, MP TOP INSIDE EDGE OF MANHOLE FLANGE, 0.06 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 31.60 ABOVE LSD, NOV. 1, 1932.
 LOWEST WATER LEVEL 39.81 BELOW LSD, NOV. 6, 1978.
 RECORDS AVAILABLE 1932, 1963-67, 1969-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	39.81	MAY 17, 1979	38.26				

See footnotes at end of table.

302238091102701 LOCAL WELL NUMBER: ER-242

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 74, T. 8S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE MISSISSIPPI 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. WELL PLUGGED AND COVERED 7/26/79.

LSD 24.78 FT NGVD.

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. 7, 1978	18.09	APP. 27, 1979	+ 8.83	JUNE 19, 1979	+ 0.77	JULY 16, 1979	7.83
MAR. 8, 1979	0.71	JUNE 15	+ 1.80				

303026091102201 LOCAL WELL NUMBER: ER-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. WELL PLUGGED AND COVERED 3/15/79.

LSD 62.00 FT NGVD.

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. 3, 1978	164.03	DEC. 7, 1978	162.63	JAN. 16, 1979	161.99	MAR. 7, 1979	159.22

303026091113001 LOCAL WELL NUMBER: ER-297

OWNER: LA. OFFICE OF HIGHWAYS. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN NIPPLE ATOP 4-IN CROSS, 2.20 FT ABOVE LSD.

LSD 61.00 FT NGVD.

HIGHEST WATER LEVEL 200.22 BELOW LSD, NOV. 7, 1967.

LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	305.54	MAR. 7, 1979	302.80	JUNE 12, 1979	302.96	AUG. 13, 1979	310.33
DEC. 7	303.10	MAR. 29	303.75	JULY 16	300.01	SEP. 26	310.50
JAN. 16, 1979	316.46	MAY 14	307.34				

302549091073101 LOCAL WELL NUMBER: ER-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 NGVD.

HIGHEST WATER LEVEL 35.00 ABOVE LSD, AUG. 19, 1926.

LOWEST WATER LEVEL 106.30 BELOW LSD, JULY 13, 1979.

RECORDS AVAILABLE 1926, 1943-44, 1946-49, 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	103.07	MAR. 7, 1979	97.10	MAY 17, 1979	100.35	JULY 13, 1979	106.30

303440090592702 LOCAL WELL NUMBER: ER-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, DEPTH 1,725 FT, SCREENED 1,685-1,725. MP LOWER EDGE OF COLLAR ON 3/4-IN NIPPLE ON SIDE OF CASING, 1.45 FT ABOVE LSD.

LSD 67.00 FT NGVD.

HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941.

LOWEST WATER LEVEL 63.49 BELOW LSD, JULY 10, 1979.

RECORDS AVAILABLE 1941, 1943-46, 1949-51, 1954-70, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	61.35	FEB. 22, 1979	62.25	MAY 15, 1979	61.91	JULY 10, 1979	63.49

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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303441091074201 LOCAL WELL NUMBER: ER-322

OWNER: JOSEPH ROY HADEAUX. (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN, DEPTH 1,971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN CASING, 0.25 FT ABOVE LSD.
LSD 68.00 FT NGVD.
HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942.
LOWEST WATER LEVEL 77.03 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	74.35	MAY 15, 1979	74.95	JULY 12, 1979	77.03	SEP. 21, 1979	75.07
MAR. 8, 1979	75.35						

302820091072401 LOCAL WELL NUMBER: ER-327

OWNER: SPEDALE ESTATE. (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236. MP TOP OF 2-IN CASING EXTENSION, 1.40 FT ABOVE LSD.
LSD 55.00 FT NGVD.
HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974.
LOWEST WATER LEVEL 119.58 BELOW LSD, JULY 16, 1979.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	118.39	MAR. 1, 1979	113.54	MAY 17, 1979	110.92	JULY 16, 1979	119.58

302930091111301 LOCAL WELL NUMBER: ER-367

OWNER: GULF STATES UTILITIES CO. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 2,061 FT, SCREENED 1,961-2,061. MP ARROW ON PLATE ABOVE CASING, 0.40 FT ABOVE LSD.
LSD 64.40 FT NGVD.
HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942.
LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.
RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1978	323.00H	JAN. 10, 1979	345.52	APR. 5, 1979	328.55	JULY 5, 1979	335.22
OCT. 5	322.65	JAN. 15	347.23	APR. 10	328.30	JULY 10	333.75
OCT. 10	325.40	JAN. 16	345.34H	APR. 15	327.70	JULY 15	325.70
OCT. 15	319.93	JAN. 20	335.03	APR. 20	325.12	JULY 16	327.08H
OCT. 31	323.00	JAN. 25	336.50	APR. 25	323.10	JULY 20	328.55
NOV. 5	327.00	JAN. 31	340.22	APR. 30	323.00	JULY 25	332.30
NOV. 6	326.81H	FEB. 5	337.80	MAY 5	328.12	JULY 31	334.03
NOV. 10	325.70	FEB. 10	339.09	MAY 10	334.10	AUG. 5	341.37
NOV. 15	333.05	FEB. 15	330.57	MAY 14	330.32H	AUG. 10	340.10
NOV. 20	324.48	FEB. 20	334.90	MAY 15	329.57	AUG. 13	338.32H
NOV. 25	328.75	FEB. 25	330.20	MAY 20	332.01	AUG. 15	341.90
NOV. 30	328.30	FEB. 28	329.75	MAY 25	332.89	AUG. 20	340.94
DEC. 5	332.30	MAR. 2	329.08H	MAY 31	325.70	AUG. 25	336.85
DEC. 7	331.61H	MAR. 5	328.05	JUNE 5	331.03	AUG. 31	340.59
DEC. 10	337.00E	MAR. 10	328.00	JUNE 10	329.67	SEP. 5	341.70
DEC. 15	334.95	MAR. 15	330.28	JUNE 12	330.83H	SEP. 10	344.92
DEC. 20	334.25	MAR. 20	330.10	JUNE 15	329.90	SEP. 15	344.40
DEC. 25	333.80	MAR. 25	329.80	JUNE 20	329.58	SEP. 20	340.51
DEC. 31	340.00E	MAR. 29	330.43H	JUNE 25	329.89	SEP. 25	340.72
JAN. 5, 1979	341.05	MAR. 31	331.94	JUNE 30	335.50	SEP. 30	338.55

302619091104003 LOCAL WELL NUMBER: ER-434

OWNER: LA. OFFICE OF HIGHWAYS. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 611 FT, SCREENED 551-611. MP 1/4-IN HOLE IN TOP OF CASING, 1.40 FT ABOVE LSD.
LSD 45.44 FT NGVD.
HIGHEST WATER LEVEL 62.62 BELOW LSD, MAY 17, 1979.
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. 7, 1978	91.70	MAR. 7, 1979	63.08	MAY 30, 1979	63.77	JULY 12, 1979	77.42
NOV. 15	91.63	MAY 17	62.62				

See footnotes at end of table.

303238091085701 LOCAL WELL NUMBER: ER-461

OWNER: J. L. GRANBERRY. (SEC. 97, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN. REPORTED DEPTH 330 FT, SCREENED 310-330. MP TOP EDGE OF OPENING IN 4 X 2-IN REDUCER, 0.75 FT ABOVE LSD.
 LSD 65.00 FT NGVD.
 HIGHEST WATER LEVEL 55.33 BELOW LSD, MAY 15, 1979.
 LOWEST WATER LEVEL 84.75 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1947-48, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	68.73	MAR. 8, 1979	58.35	MAY 15, 1979	55.33	JULY 12, 1979	59.63

303408091075001 LOCAL WELL NUMBER: ER-468

OWNER: A. M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP EDGE OF 3/4-IN HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 73.00 FT NGVD.
 HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948.
 LOWEST WATER LEVEL 63.05 BELOW LSD, MAY 17, 1979.
 RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	62.23	MAR. 8, 1979	61.89	MAY 17, 1979	63.05	JULY 12, 1979	62.97

302654091101101 LOCAL WELL NUMBER: ER-500

OWNER: RED STICK LINEN SERVICE. (SEC. 46, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, ESTIMATED DEPTH 710 FT, SCREENED 663-710. MP TOP OF 2-IN NIPPLE IN STEEL LINER, 2.54 FT ABOVE LSD.
 LSD 57.00 FT NGVD.
 HIGHEST WATER LEVEL 84.18 BELOW LSD, APR. 24, 1978.
 LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.
 RECORDS AVAILABLE 1948, 1962, 1969-78.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1978	106.44						

303115091113701 LOCAL WELL NUMBER: ER-517C

OWNER: SOUTHERN UNIVERSITY. (SEC. 50, T. 6S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, DEPTH 2,590 FT, SCREENED 2,510-2,590. MP TOP OF 3/4-IN HOLE IN SANITARY SEAL, 1.48 FT ABOVE LSD.
 LSD 67.00 FT NGVD.
 HIGHEST WATER LEVEL 64.70 ABOVE LSD, AUG. 21, 1953.
 LOWEST WATER LEVEL 57.06 BELOW LSD, MAY 15, 1979.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	56.20	MAR. 8, 1979	55.96	MAY 15, 1979	57.06	JULY 16, 1979	56.04

302149091101401 LOCAL WELL NUMBER: ER-575

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 68, T. 8S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 10 TO 6 IN, DEPTH 2,500 FT, SCREENED 2,440-2,500. MP CENTERLINE OF DISCHARGE PIPE, 3.40 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 70.00 ABOVE LSD, MAY 1, 1955.
 LOWEST WATER LEVEL 9.90 ABOVE LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978 +	9.90	MAY 17, 1979 +	11.00				

See footnotes at end of table.

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

303904091093102 LOCAL WELL NUMBER: ER-578R

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 NGVD.
 HIGHEST WATER LEVEL 9.00 ABOVE LSD, OCT. 17, 1957.
 LOWEST WATER LEVEL 89.24 BELOW LSD, JULY 10, 1979.
 RECORDS AVAILABLE 1957, 1960, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	86.98	MAR. 1, 1979	87.47	MAY 7, 1979	87.37	JULY 10, 1979	89.24

303440090592703 LOCAL WELL NUMBER: ER-581

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 IN, DEPTH 2,540 FT, SCREENED 2,540-2,590. MP TOP OF 1-IN PIPE ON SIDE OF 8-IN CASING, 1.90 FT ABOVE LSD.
 LSD 67.00 FT NGVD.
 HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956.
 LOWEST WATER LEVEL 39.72 BELOW LSD, JULY 26, 1978.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	36.61	FEB. 22, 1979	38.38	MAY 15, 1979	37.34	JULY 10, 1979	39.19

304141090585301 LOCAL WELL NUMBER: ER-647

OWNER: EAST BATON ROUGE PARISH SCHOOL BOARD. (SEC. 14, T. 4S., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 4 IN, DEPTH 1,950 FT, SCREENED 1,910-1,950. MP BOTTOM EDGE OF 3/4-IN COLLAR WELDED ON SIDE CASING, 1.28 FT ABOVE LSD.
 LSD 107.00 FT NGVD.
 HIGHEST WATER LEVEL 15.20 ABOVE LSD, JAN. 7, 1958.
 LOWEST WATER LEVEL 76.81 BELOW LSD, MAY 15, 1979.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	76.04	MAY 15, 1979	76.81				

303154091083901 LOCAL WELL NUMBER: ER-652

OWNER: GREATER BATON ROUGE AIRPORT DISTRICT. (SEC. 90, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF 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 NGVD.
 HIGHEST WATER LEVEL 45.42 BELOW LSD, APR. 29, 1958.
 LOWEST WATER LEVEL 134.54 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	125.15	MAY 15, 1979	127.97	JULY 12, 1979	134.54	SEP. 21, 1979	128.29
MAR. 8, 1979	129.97						

303350091100901 LOCAL WELL NUMBER: ER-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 3 IN, DEPTH 1,640 FT, SCREENED 1,580-1,640. MP HOLE IN CENTER OF 6-IN PLUG ATOP CASING, 1.73 FT ABOVE LSD.
 LSD 65.00 FT NGVD.
 HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959.
 LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	173.77	MAR. 8, 1979	174.37	MAY 15, 1979	173.01	JULY 12, 1979	176.05

302509091082701 LOCAL WELL NUMBER: ER-778

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("12,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,586 FT, SCREENED 2,581-2,586. MP TOP OF 4 X 2-IN REDUCER, 2.84 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965.
 LOWEST WATER LEVEL 0.26 BELOW LSD, JULY 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	+ 0.94	NOV. 14, 1978	+ 1.12	MAY 17, 1979	+ 2.09	JULY 13, 1979	0.26
NOV. 9	+ 0.94	MAR. 8, 1979	+ 1.88	MAY 29	+ 1.61		

302509091082702 LOCAL WELL NUMBER: ER-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 MIOCENE AGE, DIAM 4 IN, DEPTH 1,622 FT, SCREENED 1,617-1,622. MP HOLE IN SANITARY SEAL, 2.24 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966.
 LOWEST WATER LEVEL 29.69 BELOW LSD, JULY 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	28.30	NOV. 14, 1978	28.12	MAY 17, 1979	26.45	JULY 13, 1979	29.69
NOV. 9	28.25	MAR. 8, 1979	26.29				

302509091082703 LOCAL WELL NUMBER: ER-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 MIOCENE AGE, DIAM 4 IN, DEPTH 1,913 FT, SCREENED 1,908-1,913. MP TOP EDGE OF 2-IN LINER, 2.41 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965.
 LOWEST WATER LEVEL 24.53 BELOW LSD, JULY 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	23.36	MAR. 8, 1979	22.10	MAY 17, 1979	21.77	JULY 13, 1979	24.53
NOV. 9	23.25						

302535091090401 LOCAL WELL NUMBER: ER-781

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("12,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP EDGE OF 2-IN STEEL AIRLINE, 2.82 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 119.12 BELOW LSD, MAR. 15, 1966.
 LOWEST WATER LEVEL 241.60 BELOW LSD, AUG. 14, 1973.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	223.64	MAR. 7, 1979	227.83	JUNE 4, 1979	221.34	JULY 12, 1979	230.28
NOV. 20	228.39	MAY 17	225.04				

302535091090402 LOCAL WELL NUMBER: ER-782A

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("11,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 1,189 FT, SCREENED 1,184-1,189. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.00 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 18.54 BELOW LSD, MAY 19, 1975.
 LOWEST WATER LEVEL 25.53 BELOW LSD, FEB. 24, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	25.04	MAR. 7, 1979	23.28	JUNE 4, 1979	20.53	JULY 12, 1979	21.72
NOV. 17	25.30	MAY 17	20.54				

See footnotes at end of table.

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302535091090403 LOCAL WELL NUMBER: ER-7828

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 1,681 FT, SCREENED 1,676-1,681, MP TOP EDGE OF 5/8-IN PIPE IN CAP, 2.00 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 49.35 BELOW LSD, JAN. 20, 1966.
 LOWEST WATER LEVEL 119.00 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	111.41	MAR. 7, 1979	99.05	JUNE 4, 1979	107.69	JULY 12, 1979	119.00
NOV. 17	107.41	MAY 17	105.69				

302502091113601 LOCAL WELL NUMBER: ER-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 MIOCENE 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 NGVD.
 HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966.
 LOWEST WATER LEVEL 55.82 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	51.94	MAR. 8, 1979	47.21	MAY 31, 1979	51.94	JULY 12, 1979	55.82
NOV. 13	46.67	MAY 17	54.49				

302502091113602 LOCAL WELL NUMBER: ER-783R

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 NGVD.
 HIGHEST WATER LEVEL 54.90 ABOVE LSD, MAR. 1, 1966.
 LOWEST WATER LEVEL 40.45 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	6.76	MAR. 8, 1979	8.76	MAY 17, 1979 +	2.69	JULY 13, 1979 +	5.15
NOV. 13	21.66						

302511091070401 LOCAL WELL NUMBER: ER-789A

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 PLEISTOCENE AGE, DIAM 4 IN, DEPTH 711 FT, SCREENED 707-711, MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979.
 LOWEST WATER LEVEL 33.02 BELOW LSD, NOV. 14, 1966.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	30.94	MAR. 7, 1979	19.43	JUNE 5, 1979	11.66	JULY 16, 1979	20.62
NOV. 14	31.45	MAY 17	9.50				

302511091070402 LOCAL WELL NUMBER: ER-789R

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 PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,721 FT, SCREENED 1,717-1,721, MP TOP OF 2-IN LINER, 0.88 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966.
 LOWEST WATER LEVEL 36.57 BELOW LSD, OCT. 31, 1978.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	36.57	NOV. 14	36.15	MAY 17, 1979	34.21		

See footnotes at end of table.

302605091080602 LOCAL WELL NUMBER: ER-792R

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP OF AIRLINE IN 2-IN LINER, 2.39 FT ABOVE LSD.
 LSD 45.00 FT NGVD.
 HIGHEST WATER LEVEL 121.92 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
OCT. 31, 1978	224.34	MAR. 7, 1979	228.00	MAY 17, 1979	224.96	JULY 13, 1979	231.81
NOV. 15	228.32						

302719091103201 LOCAL WELL NUMBER: ER-793

OWNER: U. S. GEOL. SURVEY. (SEC. 71, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 687 FT, SCREENED 683-687. MP TOP EDGE OF 2-IN LINER, 0.85 FT ABOVE TOP OF 4-IN CASING AND 2.00 FT ABOVE LSD.
 LSD 35.30 FT NGVD.
 HIGHEST WATER LEVEL 54.72 BELOW LSD, MAR. 29, 1979,
 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. 6, 1978	84.32	JAN. 16, 1979	64.54	MAY 15, 1979	55.70	AUG. 13, 1979	77.36
NOV. 20	83.69	MAR. 7	55.70	JUNE 1	55.91	SEP. 26	85.31
DEC. 7	79.32	MAR. 29	54.72	JULY 16	72.20		

302559091110801 LOCAL WELL NUMBER: ER-794

OWNER: U. S. GEOL. SURVEY. (SEC. 52, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,709 FT, SCREENED 2,705-2,709. MP TOP EDGE OF 3/4-IN PVC AIRLINE, 3.00 FT ABOVE LSD.
 LSD 51.00 FT NGVD.
 HIGHEST WATER LEVEL 113.28 BELOW LSD, JULY 27, 1965,
 LOWEST WATER LEVEL 204.76 BELOW LSD, JULY 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	198.02	MAR. 7, 1979	199.91	MAY 31, 1979	194.63	SEP. 21, 1979	200.90
NOV. 13	197.72	MAY 8	195.32	JULY 13	204.76		

302306091022601 LOCAL WELL NUMBER: ER-803A

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF 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 NGVD.
 HIGHEST WATER LEVEL 15.30 ABOVE LSD, MAY 18, 1966,
 LOWEST WATER LEVEL 14.46 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	14.46	DEC. 20, 1978	14.28	MAY 17, 1979	13.64	JUNE 8, 1979	14.05

302306091022602 LOCAL WELL NUMBER: ER-803B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,565 FT, SCREENED 2,561-2,565. MP TOP EDGE OF 4-IN TEE, 1.65 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 53.10 ABOVE LSD, APR. 4, 1966,
 LOWEST WATER LEVEL 16.00 ABOVE LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	16.00	MAY 17, 1979	20.00				

See footnotes at end of table.

GROUND-WATER LEVELS

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EAST BATON ROUGE PARISH

302428091035001 LOCAL WELL NUMBER: ER-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 PLIOCENE AGE, DIAM 4 IN, DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN CASING, 1.57 FT ABOVE LSD.
 LSD 46.00 FT NGVD.
 HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 92.43 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	92.43	NOV. 29	87.79	MAY 17, 1979	90.53		

302428091035002 LOCAL WELL NUMBER: ER-804B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN CASING, 2.67 FT ABOVE LSD.
 LSD 46.00 FT NGVD.
 HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966,
 LOWEST WATER LEVEL 98.70 BELOW LSD, MAY 17, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	98.29	NOV. 29	98.66	MAY 17, 1979	98.70		

302428091035003 LOCAL WELL NUMBER: ER-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 MIOCENE 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 NGVD.
 HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 57.14 BELOW LSD, NOV. 1, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	56.70	NOV. 17, 1978	56.05	MAY 17, 1979	49.63	JUNE 5, 1979	49.41

302702091103902 LOCAL WELL NUMBER: ER-806B

OWNER: U. S. GEOL. SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN NIPPLE, 1.83 FT ABOVE LSD.
 LSD 46.50 FT NGVD.
 HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966,
 LOWEST WATER LEVEL 204.05 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	195.99	DEC. 18, 1978	198.22	MAY 17, 1979	192.66	SEP. 21, 1979	199.72
NOV. 21	197.01	MAR. 7, 1979	198.58	JULY 12	204.05		

302611091091201 LOCAL WELL NUMBER: ER-807A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,713 FT, SCREENED 1,709-1,713. MP TOP OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT NGVD.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969,
 LOWEST WATER LEVEL 128.66 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	121.00	MAR. 7, 1979	107.79	JUNE 6, 1979	116.56	SEP. 24, 1979	113.10
NOV. 17	116.31	MAY 17	114.80	JULY 12	128.66		

LOUISIANA - EAST BATON ROUGE PARISH

302611091091202 LOCAL WELL NUMBER: ER-8078

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,264 FT, SCREENED 2,260-2,264. MP TOP OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT NGVD.
 HIGHEST WATER LEVEL 132.14 BELOW LSD, MAY 19, 1966.
 LOWEST WATER LEVEL 249.90 BELOW LSD, JULY 27, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	228.75	MAR. 7, 1979	232.89	JUNE 6, 1979	229.29	JULY 12, 1979	236.14
NOV. 17	233.50	MAY 17	230.43				

302501091101201 LOCAL WELL NUMBER: ER-818

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 615 FT, SCREENED 609-615. MP TOP EDGE OF 2-IN CASING, 0.48 FT ABOVE LSD.
 LSD 25.59 FT NGVD.
 HIGHEST WATER LEVEL 6.60 ABOVE LSD, APR. 27, 1973.
 LOWEST WATER LEVEL 23.50 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	20.72	MAR. 8, 1979	5.44	JULY 13, 1979	7.38		

302501091101202 LOCAL WELL NUMBER: ER-819

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 322 FT, SCREENED 316-322. MP TOP OF CASING, 0.59 FT ABOVE LSD.
 LSD 25.68 FT NGVD.
 HIGHEST WATER LEVEL 9.60 ABOVE LSD, APR. 16, 1973, APR. 17, 1973.
 LOWEST WATER LEVEL 20.40 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	18.41	MAR. 8, 1979	0.20	MAY 8, 1979 +	9.30	JULY 13, 1979	8.28

302510091105001 LOCAL WELL NUMBER: ER-820

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 259 FT, SCREENED 253-259. MP TOP OF CASING, 0.71 FT ABOVE LSD.
 LSD 22.24 FT NGVD.
 HIGHEST WATER LEVEL 14.10 ABOVE LSD, APR. 27, 1979.
 LOWEST WATER LEVEL 17.74 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	16.54	MAR. 8, 1979 +	4.49	APR. 27, 1979 +	14.10	JULY 13, 1979	5.81

302510091105003 LOCAL WELL NUMBER: ER-822

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 573 FT, SCREENED 567-573. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 22.60 FT NGVD.
 HIGHEST WATER LEVEL 12.30 ABOVE LSD, APR. 27, 1979.
 LOWEST WATER LEVEL 19.48 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	17.66	MAR. 8, 1979 +	1.55	MAY 8, 1979 +	10.80	JULY 13, 1979	6.58
NOV. 13	17.77	APR. 27	12.30				

See footnotes at end of table.

GROUND-WATER LEVELS

403

EAST BATON ROUGE PARISH

302553091092001 LOCAL WELL NUMBER: EH-A24

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 581 FT, SCREENED 575-581. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 33.56 FT NGVD.
 HIGHEST WATER LEVEL 43.30 BELOW LSD, MAY 17, 1979.
 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
OCT. 31, 1978	67.00	MAR. 7, 1979	44.85	MAY 17, 1979	43.30	JULY 12, 1979	50.75

302553091092002 LOCAL WELL NUMBER: ER-A25

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 475 FT, SCREENED 469-475. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 33.57 FT NGVD.
 HIGHEST WATER LEVEL 32.57 BELOW LSD, MAY 6, 1975.
 LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	49.29	MAR. 7, 1979	37.07	MAY 17, 1979	34.82	JULY 17, 1979	38.60

303023091075601 LOCAL WELL NUMBER: ER-A26

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 40, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 350 FT, SCREENED 344-350. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 56.77 FT NGVD.
 HIGHEST WATER LEVEL 55.40 BELOW LSD, MAY 6, 1975.
 LOWEST WATER LEVEL 103.18 BELOW LSD, NOV. 1, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	74.59	MAR. 8, 1979	61.73	MAY 14, 1979	62.81	JULY 16, 1979	69.06

303356091095301 LOCAL WELL NUMBER: ER-A27

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 370 FT, SCREENED 364-370. MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 63.96 FT NGVD.
 HIGHEST WATER LEVEL 38.82 BELOW LSD, MAY 15, 1979.
 LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	58.65	MAR. 8, 1979	47.02	MAY 15, 1979	38.82	JULY 12, 1979	46.75

303912091150801 LOCAL WELL NUMBER: ER-A49

OWNER: GEORGIA PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF MIOCENE-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 NGVD.
 HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966.
 LOWEST WATER LEVEL 133.00 BELOW LSD, MAY 7, 1979.
 RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	130.79	FEB. 12, 1979	132.19	MAY 7, 1979	133.00	JULY 10, 1979	130.05

LOUISIANA - EAST BATON ROUGE PARISH

302919091020601 LOCAL WELL NUMBER: ER-R66

OWNER: SOUTH CENTRAL BELL TEL. CO. (SEC. 52, R. 6S., R. 2E.) DRILLED COMMERCIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 400 FT, SCREENED 380-400. MP HOLE IN SANITARY SEAL, 0.85 FT ABOVE LSD.

LSD 49.00 FT NGVD.

HIGHEST WATER LEVEL 20.14 BELOW LSD, MAY 14, 1979.

LOWEST WATER LEVEL 38.60 BELOW LSD, OCT. 21, 1970.

RECORDS AVAILABLE 1970, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	20.30	MAY 14, 1979	20.14				

302729091100601 LOCAL WELL NUMBER: ER-R70

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 692 FT, SCREENED 687-692. MP TOP OF CASING, AT LSD.

LSD 50.00 FT NGVD.

HIGHEST WATER LEVEL 72.20 BELOW LSD, MAY 22, 1978.

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. 6, 1978	105.15	JAN. 16, 1979	82.27	MAY 14, 1979	74.04	AUG. 13, 1979	98.75
NOV. 16	104.93	MAR. 7	73.11	JUNE 1	75.22	SEP. 26	106.30
DEC. 7	98.85	MAR. 29	72.42	JULY 16	93.06		

303905090583301 LOCAL WELL NUMBER: ER-R96

OWNER: U. S. GEOL. SURVEY (SEC. 51, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN SAND ("400 FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 73 FT, SCREENED 70-73. MP TOP OF 1 1/4-IN CASING, 3.92 FT ABOVE LSD.

LSD 82.00 FT NGVD.

HIGHEST WATER LEVEL 15.17 BELOW LSD, APR. 22, 1974.

LOWEST WATER LEVEL 17.85 BELOW LSD, DEC. 12, 1972.

RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	17.33	FEB. 15, 1979	16.71	MAY 15, 1979	15.78	JULY 10, 1979	16.36

302614091083001 LOCAL WELL NUMBER: ER-917

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,736 FT, SCREENED 1,731-1,736. MP TOP OF 4-IN CASING, AT LSD.

LSD 46.56 FT NGVD.

HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978.

LOWEST WATER LEVEL 139.22 BELOW LSD, JULY 12, 1979.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	131.54	MAR. 7, 1979	119.55	MAY 29, 1979	126.92	SEP. 24, 1979	127.47
NOV. 8	129.14	MAY 17	125.60	JULY 12	139.22		

302547091074401 LOCAL WELL NUMBER: ER-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 NGVD.

HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973.

LOWEST WATER LEVEL 126.94 BELOW LSD, JULY 13, 1979.

RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	119.02	MAR. 7, 1979	110.44	JUNE 5, 1979	117.30	SEP. 24, 1979	115.30
NOV. 14	116.11	MAY 17	115.80	JULY 13	126.94		

GROUND-WATER LEVELS

405

EAST BATON ROUGE PARISH

302955091060601 LOCAL WELL NUMBER: ER-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 NGVD.
 HIGHEST WATER LEVEL 50.70 BELOW LSD, MAY 14, 1979.
 LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	62.04	MAR. 1, 1979	52.17	MAY 14, 1979	50.70	JULY 12, 1979	54.64

302955091060501 LOCAL WELL NUMBER: ER-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 NGVD.
 HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 22, 1975.
 LOWEST WATER LEVEL 55.98 BELOW LSD, NOV. 18, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	51.18	MAR. 1, 1979	44.80	MAY 14, 1979	43.46	JULY 12, 1979	45.33

302932091101901 LOCAL WELL NUMBER: ER-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, 1.63 FT ABOVE LSD.
 LSD 59.00 FT NGVD.
 HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975.
 LOWEST WATER LEVEL 50.53 BELOW LSD, JULY 3, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1978	48.02	DEC. 12, 1978	48.67	MAR. 1, 1979	47.27	MAY 4, 1979	48.46
OCT. 10	48.42	DEC. 18	48.52	MAR. 2	47.12	MAY 14	49.07
OCT. 16	48.47	DEC. 27	46.22	MAR. 6	47.07	JUNE 5	49.46
OCT. 23	48.57	JAN. 2, 1979	46.27	MAR. 13	47.07	JUNE 12	49.70
OCT. 30	47.75	JAN. 9	48.27	MAR. 20	46.87	JULY 3	50.53
NOV. 6	48.84	JAN. 16	48.50	MAR. 27	47.07	JULY 16	48.65
NOV. 13	47.52	JAN. 23	48.07	MAR. 29	47.05	AUG. 3	48.80
NOV. 20	48.47	JAN. 31	47.12	APR. 3	46.97	AUG. 13	49.29
NOV. 27	48.77	FEB. 6	46.37	APR. 10	47.06	AUG. 31	50.09
DEC. 5	48.47	FEB. 13	47.05	APR. 17	47.06	SEP. 26	49.69
DEC. 7	48.59	FEB. 21	47.27	APR. 24	47.18		

302932091101902 LOCAL WELL NUMBER: ER-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, 2.27 FT ABOVE LSD.
 LSD 59.00 FT NGVD.
 HIGHEST WATER LEVEL 87.15 BELOW LSD, MAY 22, 1978.
 LOWEST WATER LEVEL 158.05 BELOW LSD, AUG. 26, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1978	131.93	DEC. 12, 1978	111.83	MAR. 1, 1979	91.13	MAY 4, 1979	95.23
OCT. 10	130.93	DEC. 18	107.73	MAR. 2	91.41	MAY 14	96.74
OCT. 16	131.18	DEC. 27	103.63	MAR. 6	91.18	JUNE 5	98.47
OCT. 23	131.03	JAN. 2, 1979	99.23	MAR. 13	89.98	JUNE 12	103.13
OCT. 30	131.53	JAN. 9	101.48	MAR. 20	89.98	JULY 3	117.67
NOV. 6	131.00	JAN. 16	99.77	MAR. 27	90.98	JULY 16	121.75
NOV. 13	128.63	JAN. 23	97.23	MAR. 29	91.00	AUG. 3	126.59
NOV. 20	129.13	JAN. 31	94.48	APR. 3	90.13	AUG. 13	125.13
NOV. 27	126.23	FEB. 6	91.98	APR. 10	95.31	AUG. 31	127.56
DEC. 5	112.43	FEB. 13	87.73	APR. 17	96.06	SEP. 26	134.32
DEC. 7	114.99	FEB. 21	88.43	APR. 24	92.18		

LOUISIANA - EAST FELICIANA PARISH

EAST BATON ROUGE PARISH

302932091101903 LOCAL WELL NUMBER: ER-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, 2.02 FT ABOVE LSD.

LSD 59.00 FT NGVD.

HIGHEST WATER LEVEL 160.09 BELOW LSD, SEP. 25, 1975,

LOWEST WATER LEVEL 193.08 BELOW LSD, OCT. 2, 1978.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1978	193.08	DEC. 12, 1978	181.88	MAR. 1, 1979	183.93	MAY 4, 1979	179.45
OCT. 10	185.53	DEC. 18	176.38	MAR. 2	182.83	MAY 14	168.27
OCT. 16	187.98	DEC. 27	178.08	MAR. 6	182.98	JUNE 5	172.86
OCT. 23	184.48	JAN. 2, 1979	178.63	MAR. 13	180.68	JUNE 12	174.71
OCT. 30	185.78	JAN. 9	182.08	MAR. 20	179.79	JULY 3	180.63
NOV. 6	188.02	JAN. 16	185.38	MAR. 27	177.73	JULY 16	177.71
NOV. 13	187.48	JAN. 23	178.13	MAR. 29	179.89	AUG. 3	171.28
NOV. 20	189.43	JAN. 31	183.78	APR. 3	180.40	AUG. 13	170.90
NOV. 27	185.23	FEB. 6	180.38	APR. 10	179.06	AUG. 31	168.98
DEC. 5	186.83	FEB. 13	185.08	APR. 17	184.77	SEP. 26	169.68
DEC. 7	186.13	FEB. 21	184.33	APR. 24	182.32		

303251091115001 LOCAL WELL NUMBER: ER-1000

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN, DEPTH 2,926 FT, SCREENED 2,916-2,926. MP TOP EDGE OF 2 1/2-IN COLLAR, AT LSD (SINCE 8/14/79).

LSD 68.00 FT NGVD.

HIGHEST WATER LEVEL 45.06 BELOW LSD, DEC. 19, 1977,

LOWEST WATER LEVEL 55.53 BELOW LSD, SEP. 26, 1979.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	52.93	JAN. 16, 1979	52.47	MAY 17, 1979	53.75	AUG. 14, 1979	55.32
NOV. 16	53.19	MAR. 2	52.88	JUNE 1	53.88	SEP. 26	55.53
DEC. 6	52.95	MAR. 29	52.53	JULY 16	54.43		

302238091102501 LOCAL WELL NUMBER: ER-1015

OWNER: U. S. GEOL. SURVEY. (SEC. 74, T. 8S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 171 FT, SCREENED 166-171. MP TOP EDGE OF 1 1/4-IN TO 3/4-IN REDUCER ATOP CASING, 2.39 FT ABOVE LSD.

LSD 24.78 FT NGVD.

HIGHEST WATER LEVEL 1.89 ABOVE LSD, JUNE 15, 1979,

LOWEST WATER LEVEL 7.83 BELOW LSD, JULY 16, 1979.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 15, 1979 +	1.89	JUNE 19	+ 0.81	JULY 16, 1979	7.83		

EAST FELICIANA PARISH

304951091115102 LOCAL WELL NUMBER: EF-55

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 59, T. 2S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 2 AQUIFER OF MIOCENE-PLIOCENE AGE, DIAM 6 IN, REPORTED DEPTH 1350 FT, SCREENED INTERVAL 1290-1350. MP TOP EDGE OF 1-IN NIPPLE, 0.20 FT ABOVE LSD.

LSD 225.00 FT NGVD.

HIGHEST WATER LEVEL 122.23 BELOW LSD, MAY 7, 1957,

LOWEST WATER LEVEL 193.90 BELOW LSD, MAY 7, 1979.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	191.43	FEB. 12, 1979	191.92	MAY 7, 1979	193.90	JULY 10, 1979	193.50

See footnotes at end of table.

GROUND-WATER LEVELS

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EAST FELICIANA PARISH

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 43, T. 25., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF MIOCENE AGE, DIAM 6 IN, REPORTED DEPTH 305 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/2-IN UNION, 1.55 FT ABOVE LSD.
 LSD 210.00 FT NGVD.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961.
 LOWEST WATER LEVEL 80.94 BELOW LSD, NOV. 2, 1978.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	80.98	MAY 7, 1979	80.94				

305152091010201 LOCAL WELL NUMBER: EF-73H

OWNER: TOWN OF CLINTON. (SEC. 83, T. 25., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN, REPORTED DEPTH 1966 FT, SCREENED 1688-1718, 1773-1795, 1862-1872, 1880-1900, 1917-1929, AND 1948-1966. MP TOP EDGE OF BREATHER HOLE IN PLATE ATOP 12-IN CASING, 1.62 FT ABOVE LSD.
 LSD 195.00 FT NGVD.
 HIGHEST WATER LEVEL 93.01 BELOW LSD, MAR. 5, 1959.
 LOWEST WATER LEVEL 125.05 BELOW LSD, NOV. 2, 1978.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	125.05	MAY 7, 1979	121.88				

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 MIOCENE-PLIOCENE AGE, DIAM 14 TO 12 TO 10 IN, REPORTED DEPTH 1514 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF 1-IN ACCESS PIPE, 1.48 FT ABOVE LSD.
 LSD 228.00 FT NGVD.
 HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961.
 LOWEST WATER LEVEL 186.23 BELOW LSD, JULY 10, 1979.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	183.46	FEB. 12, 1979	183.66	MAY 7, 1979	184.92	JULY 10, 1979	186.23

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2000 FT, SCREENED 1935-2000. MP TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
 LSD 135.00 FT NGVD.
 HIGHEST WATER LEVEL 102.50 BELOW LSD, FEB. 6, 1978.
 LOWEST WATER LEVEL 117.60 BELOW LSD, NOV. 15, 1977.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	111.70	FEB. 12, 1979	108.45	MAY 15, 1979	109.27	JULY 9, 1979	110.50

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN. (SEC. 27, T. 25., R. 1E.) BORED DOMESTIC WATER-TABLE WELL IN QUATERNARY UPLAND DEPOSITS OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 96 FT, OPEN END CASING. MP TOP INSIDE EDGE OF 8-IN CONCRETE CASING, 0.60 FT ABOVE LSD.
 LSD 250.00 FT NGVD.
 HIGHEST WATER LEVEL 68.80 BELOW LSD, JUNE 7, 1978.
 LOWEST WATER LEVEL 73.48 BELOW LSD, MAY 7, 1979.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	70.69	FEB. 12, 1979	70.79	MAY 7, 1979	73.48	JULY 10, 1979	70.37

LOUISIANA - JEFFERSON DAVIS PARISH
IBERVILLE PARISH

302919091311101 LOCAL WELL NUMBER: IR-9

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1180 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF 1/2-IN HOLE IN SIDE OF CASING, 0.80 FT ABOVE LSD.
LSD 23.00 FT NGVD.
HIGHEST WATER LEVEL 30.00 ABOVE LSD, DEC. 27, 1951.
LOWEST WATER LEVEL 29.50 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1951, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	29.50	MAY 17, 1979	27.55				

302919091311102 LOCAL WELL NUMBER: IR-29

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, DEPTH 1964 FT, SCREENED 1880-1964. MP HOLE IN SANITARY SEAL, 1.60 FT ABOVE LSD.
LSD 23.00 FT NGVD.
HIGHEST WATER LEVEL 58.90 ABOVE LSD, DEC. 15, 1951.
LOWEST WATER LEVEL 23.15 BELOW LSD, MAY 17, 1979.
RECORDS AVAILABLE 1951, 1960, 1970, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	21.90	MAY 17, 1979	23.15				

JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 318 FT, SCREENED 238-318. MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.
LSD 24.10 FT NGVD.
HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943.
LOWEST WATER LEVEL 88.05 BELOW LSD, JUNE 22, 1979.
RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	66.28	JAN. 25, 1979	62.97	MAR. 22, 1979	63.29	JUNE 22, 1979	88.05
NOV. 24	66.11	FEB. 28	60.00E	APR. 30	67.50	JULY 23	84.17
DEC. 19	64.55	MAR. 6	61.10	MAY 23	71.16	AUG. 27	71.14

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 250 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 3.96 FT ABOVE LSD.
LSD 50.00 FT NGVD.
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
FEB. 27, 1979	89.41						

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 NGVD.
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
FEB. 27, 1979	36.80						

See footnotes at end of table.

GROUND-WATER LEVELS

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JEFFERSON DAVIS PARISH

302035092554801 LOCAL WELL NUMBER: JD-43

OWNER: LUCIUS VIDRINE. (SEC. 24, T. 8S., R. 6W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, DEPTH 277 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 2-IN COLLAR, 1.35 FT ABOVE LSD.
 LSD 34.13 FT NGVD.
 HIGHEST WATER LEVEL 23.68 BELOW LSD, APR. 3, 1942.
 LOWEST WATER LEVEL 79.97 BELOW LSD, MAR. 7, 1979.
 RECORDS AVAILABLE 1939-72, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1979	79.97						

302036092543501 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 LSD.
 LSD 4.61 FT NGVD.
 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. 6, 1979	33.35						

302054092461901 LOCAL WELL NUMBER: JD-317

OWNER: H. AND H. 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 NGVD.
 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
FEB. 27, 1979	80.56						

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 290 FT, SCREENED 270-290, MP TOP OF 4-IN CASING COLLAR, 3.00 FT ABOVE LSD.
 LSD 21.36 FT NGVD.
 HIGHEST WATER LEVEL 57.55 BELOW LSD, MAR. 15, 1979.
 LOWEST WATER LEVEL 96.00 BELOW LSD, JUNE 22, 1979.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1978	65.66H	DEC. 31, 1978	60.88	MAR. 31, 1979	58.88	JULY 5, 1979	87.52
OCT. 5	65.61	JAN. 5, 1979	60.60	APR. 5	58.68	JULY 10	89.59
OCT. 10	65.32	JAN. 10	60.23	APR. 10	58.54	JULY 15	84.61
OCT. 15	65.12	JAN. 15	60.60	APR. 15	59.70	JULY 20	77.79
OCT. 20	64.72	JAN. 20	60.93	APR. 20	63.02	JULY 23	76.42H
OCT. 24	66.03H	JAN. 25	59.72H	APR. 25	60.76	JULY 25	74.91
OCT. 25	64.86	JAN. 31	59.16	APR. 30	74.42	JULY 31	72.19
OCT. 31	64.12	FEB. 5	58.81	MAY 5	72.17	AUG. 5	73.14
NOV. 5	64.58	FEB. 10	58.75	MAY 10	77.15	AUG. 10	72.19
NOV. 10	63.57	FEB. 15	58.58	MAY 15	77.52	AUG. 15	71.11
NOV. 15	65.72	FEB. 20	58.20	MAY 20	89.09	AUG. 20	70.08
NOV. 20	67.15	FEB. 25	57.85	MAY 23	83.39H	AUG. 25	69.21
NOV. 24	65.58H	FEB. 27	57.75	MAY 25	82.53	AUG. 27	68.79H
NOV. 25	65.24	FEB. 28	57.74	MAY 31	81.08	AUG. 31	69.58
NOV. 30	66.50	MAR. 5	57.58	JUNE 5	77.02	SEP. 5	68.35
DEC. 5	63.77	MAR. 6	57.59H	JUNE 10	83.32	SEP. 10	68.24
DEC. 10	63.66	MAR. 10	57.56	JUNE 15	85.33	SEP. 15	68.07
DEC. 15	63.28	MAR. 15	57.55	JUNE 20	87.38	SEP. 20	67.74
DEC. 20	62.01	MAR. 20	57.92	JUNE 22	96.00H	SEP. 25	66.10
DEC. 21	61.94H	MAR. 22	57.92	JUNE 25	93.79	SEP. 30	65.21
DEC. 25	61.60	MAR. 25	57.77	JUNE 30	87.23		

See footnotes at end of table.

LOUISIANA - LIVINGSTON PARISH

JEFFERSON DAVIS PARISH

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 NGVD.
 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
FEB. 28, 1979	56.73						

LAFAYETTE PARISH

300600092041501 LOCAL WELL NUMBER: LF-437

OWNER: MRS. E. H. 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 NGVD.
 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, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	27.01						

301407092000901 LOCAL WELL NUMBER: LF-516

OWNER: CITY OF LAFAYETTE. (IRREG. SEC. 101, T. 9S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 286 FT, SCREENED 271-286, MP TOP OF 4-IN CASING, 0.50 FT ABOVE LSD.
 LSD 40.37 FT NGVD.
 HIGHEST WATER LEVEL 34.13 BELOW LSD, MAR. 23, 1959.
 LOWEST WATER LEVEL 44.96 BELOW LSD, NOV. 21, 1978.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	44.43	JAN. 23, 1979	44.84	APR. 24, 1979	42.83	JULY 23, 1979	43.32
NOV. 21	44.96	FEB. 21	44.04	MAY 22	42.54	AUG. 15	43.48
DEC. 18	44.90	MAR. 21	43.22	JUNE 22	42.88		

300911091581701 LOCAL WELL NUMBER: LF-556

OWNER: G. G. GONDROU. (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 NGVD.
 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
FEB. 28, 1979	30.83						

LIVINGSTON PARISH

302804090581802 LOCAL WELL NUMBER: LI-268

OWNER: CLIFF MACK. (SEC. 67, T. 7S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 1305 FT, SCREENED 1289-1305, MP TOP OF 2-IN CASING, 0.77 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 3.53 BELOW LSD, JULY 1, 1957.
 LOWEST WATER LEVEL 59.13 BELOW LSD, NOV. 2, 1978.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	59.13	MAY 7, 1979	54.53				

LIVINGSTON PARISH

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 1865 FT, SCREENED 1825-1865, MP CENTERLINE OF 3/4-IN TEE, 1.25 FT ABOVE LSD.

LSD 46.00 FT NGVD.

HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950.

LOWEST WATER LEVEL 49.20 ABOVE LSD, MAY 4, 1979.

RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	+ 51.20	MAY 4, 1979	+ 49.20				

302826090344901 LOCAL WELL NUMBER: LI-54

OWNER: ST. MARGARET'S CATHOLIC CHURCH. (SEC. 2, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2.5 IN, DEPTH 2144 FT, SCREENED 2104-2144, MP CENTERLINE OF 2-IN TEE, 0.80 FT ABOVE LSD.

LSD 33.00 FT NGVD.

HIGHEST WATER LEVEL 121.80 ABOVE LSD, NOV. 30, 1954, JAN. 10, 1955, FEB. 1, 1955.

LOWEST WATER LEVEL 65.80 ABOVE LSD, NOV. 2, 1978.

RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	+ 65.80	FEB. 16, 1979	+ 68.80	MAY 4, 1979	+ 68.80	JULY 18, 1979	+ 65.80

302959090563401 LOCAL WELL NUMBER: LI-92

OWNER: CITY OF DENHAM SPRINGS. (SEC. 48, T. 6S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2100 FT, SCREENED INTERVAL UNKNOWN, MP TOP EDGE OF 1/2-IN NIPPLE, 0.80 FT ABOVE LSD.

LSD 51.00 FT NGVD.

HIGHEST WATER LEVEL 35.05 BELOW LSD, NOV. 14, 1977.

LOWEST WATER LEVEL 67.90 BELOW LSD, JULY 18, 1979.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	67.30	FEB. 13, 1979	67.40	MAY 7, 1979	66.30	JULY 18, 1979	67.90

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W. K. CORBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 3 IN, REPORTED DEPTH 1300 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF COLLAR ABOVE VALVE, 1.50 FT ABOVE LSD.

LSD 48.00 FT NGVD.

HIGHEST WATER LEVEL 9.56 BELOW LSD, MAY 11, 1970.

LOWEST WATER LEVEL 15.10 BELOW LSD, NOV. 2, 1978.

RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	15.10	FEB. 13, 1979	15.00	JUNE 4, 1979	14.60	AUG. 22, 1979	14.90
DEC. 8	14.90	APR. 3	14.85	JULY 18	14.75	SEP. 27	15.00
JAN. 18, 1979	14.90	MAY 7	14.90				

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, REPORTED DEPTH 460 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF REDUCER AT WELL, 1.30 FT ABOVE LSD.

LSD 41.00 FT NGVD.

HIGHEST WATER LEVEL 3.19 ABOVE LSD, MAY 23, 1973.

LOWEST WATER LEVEL 26.64 BELOW LSD, DEC. 4, 1963.

RECORDS AVAILABLE 1961, 1963-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	23.90	MAR. 5, 1979	12.45	MAY 7, 1979	1.80	JULY 20, 1979	13.30

See footnotes at end of table.

LOUISIANA - POINTE COUPEE PARISH

304645091434901 LOCAL WELL NUMBER: PC-49

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 35., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 137 FT, SCREENED 132-137. MP TOP OF 4-IN CASING, 1.00 FT ABOVE LSD.
 LSD 36.00 FT NGVD.
 HIGHEST WATER LEVEL 0.59 BELOW LSD, MAR. 29, 1962.
 LOWEST WATER LEVEL 28.95 BELOW LSD, NOV. 4, 1963.
 RECORDS AVAILABLE 1955-68, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	27.20	MAR. 5, 1979	12.45	MAY 17, 1979	1.55	JULY 20, 1979	17.20

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 MIOCENE-PLIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 1530 FT, SCREENED 1490-1530. MP TOP OF SANITARY SEAL, 2.30 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 33.79 BELOW LSD, JUNE 16, 1970.
 LOWEST WATER LEVEL 54.30 BELOW LSD, MAR. 5, 1979.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	52.10	MAR. 5, 1979	54.30	MAY 17, 1979	53.60	JULY 20, 1979	54.20

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, REPORTED DEPTH 2294 FT, SCREENED 2259-2294. MP CENTERLINE OF TEE, 0.80 FT ABOVE LSD.
 LSD 26.00 FT NGVD.
 HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960.
 LOWEST WATER LEVEL 11.80 ABOVE LSD, JULY 20, 1979.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978 +	12.80	MAR. 5, 1979 +	12.80	MAY 17, 1979 +	12.80	JULY 20, 1979 +	11.80

303700091224001 LOCAL WELL NUMBER: PC-A1

OWNER: ROBERT CLINE. (SEC. 98, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 2 1/2 IN, REPORTED DEPTH 2101 FT, SCREENED 2071-2101. MP CENTERLINE 1 1/2-IN PLUG, 0.70 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 28.40 ABOVE LSD, JUNE 16, 1970.
 LOWEST WATER LEVEL 2.40 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	2.40	MAR. 5, 1979	1.70				

303357091330401 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 MIOCENE-PLIOCENE AGE, DIAM 2 1/2 IN, REPORTED DEPTH 1637 FT, SCREENED 1617-1637. MP TOP OF 3/4-IN PLUG IN TOP OF WELL, 1.56 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973.
 LOWEST WATER LEVEL 29.24 BELOW LSD, JULY 20, 1979.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	27.54	MAR. 5, 1979	28.04	MAY 17, 1979	28.04	JULY 20, 1979	29.24

See footnotes at end of table.

GROUND-WATER LEVELS
 POINTE COUPEE PARISH

413

305023091393901 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 NGVD.
 HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 2.30 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	2.30	MAY 17, 1979 +	2.00				

305023091393902 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 MIOCENE-PLIOCENE AGE, DIAM 2 IN, DEPTH 835 FT, SCREENED 825-835, MP CENTER OF GAGE IN BUSHING ATOP CASING, 2.66 FT ABOVE LSD.
 LSD 41.00 FT NGVD.
 HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 3.59 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	3.59	MAY 17, 1979 +	0.31				

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 NGVD.
 HIGHEST WATER LEVEL 4.95 BELOW LSD, JUNE 20, 1974,
 LOWEST WATER LEVEL 20.55 BELOW LSD, MAR. 5, 1979.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	13.85	MAR. 5, 1979	20.55	MAY 17, 1979	16.75	JULY 20, 1979	16.65

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 12 IN, DEPTH 1263 FT, SCREENED 1174-1228, 1237-1263, MP 3/4-IN PLUG IN SANITARY SEAL, 1.16 FT ABOVE LSD.
 LSD 36.00 FT NGVD.
 HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975,
 LOWEST WATER LEVEL 52.39 BELOW LSD, MAY 17, 1979.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 5, 1979	50.64	MAY 17	52.39	JULY 20, 1979	49.44		

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 990 FT, SCREENED 970-990, MP TOP OF BULT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.
 LSD 25.00 FT NGVD.
 HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 5, 1975,
 LOWEST WATER LEVEL 24.90 BELOW LSD, MAR. 5, 1979.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	24.80	MAR. 5, 1979	24.90	MAY 17, 1979	24.10	JULY 20, 1979	24.30

See footnotes at end of table.

LOUISIANA - ST. CHARLES PARISH

POINTE COUPEE PARISH

303735091211701 LOCAL WELL NUMBER: PC-156

OWNER: RICHARD GYNN. (SEC. 50, T. 55., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH AND SCREENED INTERVAL UNKNOWN, MP 1/2-IN HOLE IN SANITARY SEAL, 0.60 FT ABOVE LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 6.80 BELOW LSD, APR. 17, 1973.
 LOWEST WATER LEVEL 23.55 BELOW LSD, NOV. 19, 1976.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	22.30	MAR. 5, 1979	10.05	MAY 17, 1979	8.00	JULY 20, 1979	14.30

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 NGVD.
 HIGHEST WATER LEVEL 12.40 BELOW LSD, JAN. 19, 1950.
 LOWEST WATER LEVEL 39.98 BELOW LSD, SEP. 14, 1953.
 RECORDS AVAILABLE 1943, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1978	28.59H	JAN. 5, 1979	28.74	APR. 5, 1979	27.70H	JULY 5, 1979	28.74
OCT. 5	28.60	JAN. 10	28.71	APR. 10	27.70	JULY 10	28.74
OCT. 10	28.78	JAN. 15	28.71	APR. 15	27.64	JULY 15	28.49
OCT. 15	28.80	JAN. 18	28.66H	APR. 20	26.78	JULY 20	28.49
OCT. 20	28.90	JAN. 20	28.56	APR. 25	22.42	JULY 24	28.05H
OCT. 25	28.91	JAN. 25	28.64	APR. 30	26.29	JULY 25	27.94
OCT. 31	28.94	JAN. 31	28.53	MAY 5	26.70	JULY 31	28.19
NOV. 5	29.01	FEB. 5	28.45	MAY 9	27.27H	AUG. 5	28.30
NOV. 9	28.81H	FEB. 10	28.30	MAY 10	27.35	AUG. 10	28.27
NOV. 10	28.88	FEB. 15	28.34	MAY 15	27.92	AUG. 15	28.30
NOV. 15	29.01	FEB. 20	28.78	MAY 20	28.10	AUG. 20	28.42
NOV. 20	29.08	FEB. 25	28.35	MAY 25	28.32	AUG. 21	28.47H
NOV. 25	29.09	FEB. 28	28.35	MAY 31	28.32	AUG. 25	28.48
NOV. 30	28.76	MAR. 5	27.97	JUNE 5	28.34	AUG. 31	28.33
DEC. 5	28.74	MAR. 6	27.98H	JUNE 10	28.39	SEP. 5	28.10
DEC. 10	28.79	MAR. 10	27.98	JUNE 14	28.37H	SEP. 10	28.13
DEC. 14	28.89H	MAR. 15	27.92	JUNE 15	28.39	SEP. 15	28.11
DEC. 15	28.83	MAR. 20	27.58	JUNE 20	28.51	SEP. 20	28.13
DEC. 20	28.62	MAR. 25	27.54	JUNE 25	28.55	SEP. 25	28.18
DEC. 25	28.60	MAR. 31	27.74	JUNE 30	28.64	SEP. 30	28.14
DEC. 31	28.72						

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 NGVD.
 HIGHEST WATER LEVEL 29.71 BELOW LSD, FEB. 12, 1979.
 LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1978	41.00H	JAN. 5, 1979	38.55	MAR. 31, 1979	34.58	JUNE 30, 1979	36.63
OCT. 5	41.14	JAN. 10	38.18	APR. 5	34.23H	JULY 5	36.14
OCT. 10	41.22	JAN. 15	38.19	APR. 10	34.02	JULY 10	37.47
OCT. 15	40.98	JAN. 18	38.13H	APR. 15	33.85	JULY 15	36.40
OCT. 20	41.03	JAN. 20	38.15	APR. 20	33.62	JULY 20	36.87
OCT. 25	41.19	JAN. 25	38.41	APR. 25	34.08	JULY 24	35.50H
OCT. 31	41.08	JAN. 31	37.75	APR. 30	33.91	JULY 25	35.38
NOV. 5	41.28	FEB. 5	37.68	MAY 5	33.95	AUG. 5	35.98
NOV. 9	41.00H	FEB. 10	30.01	MAY 9	34.87H	AUG. 10	35.76
NOV. 10	41.02	FEB. 12	29.71J	MAY 10	35.50	AUG. 15	35.57
NOV. 15	40.32	FEB. 15	30.09	MAY 15	32.62	AUG. 20	35.92
NOV. 20	40.83	FEB. 20	31.84	MAY 20	34.58	AUG. 21	35.81H
NOV. 25	41.18	FEB. 25	35.60	MAY 25	34.80	AUG. 25	35.72
NOV. 30	40.10	FEB. 28	36.01	MAY 31	35.32	AUG. 31	35.34
DEC. 5	40.21	MAR. 5	35.82	JUNE 5	35.27	SEP. 5	35.14
DEC. 10	40.06	MAR. 6	36.28H	JUNE 10	36.08	SEP. 10	35.41
DEC. 14	34.57H	MAR. 10	36.28	JUNE 14	36.16H	SEP. 15	35.56
DEC. 15	33.78	MAR. 15	35.77	JUNE 15	30.94	SEP. 20	35.32
DEC. 20	38.70	MAR. 20	35.39	JUNE 20	35.07	SEP. 25	33.64
DEC. 25	39.87	MAR. 25	34.62	JUNE 25	35.97	SEP. 30	35.44
DEC. 31	32.39						

See footnotes at end of table.

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 1 1/4 IN, DEPTH 492 FT, SCREENED 439-492. MP TOP OF CASING FLANGE, 2.25 FT ABOVE LSD (SINCE 11/9/78).
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 12.44 BELOW LSD, APR. 20, 1976.
 LOWEST WATER LEVEL 29.45 BELOW LSD, NOV. 4, 1965.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	17.35	MAY 18, 1979	14.48				

295556090214201 LOCAL WELL NUMBER: SC-80

OWNER: AMBROSE CHAMPAGNE. (SEC. 15, T. 13S., R. 21E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 256 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF FITTING IN TOP OF TEE ATOP CASING, 0.90 FT ABOVE LSD.
 LSD 13.00 FT NGVD.
 HIGHEST WATER LEVEL 8.01 BELOW LSD, MAY 21, 1979.
 LOWEST WATER LEVEL 28.40 BELOW LSD, JAN. 30, 1957.
 RECORDS AVAILABLE 1957-61, 1963, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1978	13.88	MAY 21, 1979	8.01				

295950090283001 LOCAL WELL NUMBER: SC-82

OWNER: LA. POWER & LIGHT CO. (SEC. 26, T. 12S., R. 20E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 373 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF HOLE IN 4-IN CAP AT TOP OF 4-IN CASING EXTENSION, 4.69 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 17.63 BELOW LSD, MAY 21, 1979.
 LOWEST WATER LEVEL 36.34 BELOW LSD, NOV. 4, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1978	23.09	MAR. 5, 1979	19.67	MAY 21, 1979	17.63	JULY 26, 1979	19.23

295633090193101 LOCAL WELL NUMBER: SC-102

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 13S., R. 9E.) BORED OBSERVATION ARTESIAN WELL IN POINT-BAR DEPOSITS OF HOLOCENE AGE, DIAM 1 1/4 IN, DEPTH 62.5 FT, SCREENED 60-62.5. MP TOP OF CASING, AT LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 1.75 ABOVE LSD, MAY 18, 1973.
 LOWEST WATER LEVEL 13.30 BELOW LSD, NOV. 9, 1978.
 RECORDS AVAILABLE 1960-66, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	13.30	MAY 18, 1979	1.25				

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 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 NGVD.
 HIGHEST WATER LEVEL 39.10 ABOVE LSD, MAR. 18, 1955.
 LOWEST WATER LEVEL 22.10 BELOW LSD, NOV. 3, 1978.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	22.10	FEB. 22, 1979	21.00	MAY 4, 1979	21.40	JULY 10, 1979	21.30

See footnotes at end of table.

LOUISIANA - ST. JAMES PARISH

ST. HELENA PARISH

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: HILLUPS PETROLEUM CO. (SEC. 73, T. 25., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2135 FT, SCREENED 2106-2135. MP 3/8-IN HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.

LSD 165.00 FT NGVD.

HIGHEST WATER LEVEL 54.56 BELOW LSD, SEP. 13, 1960.

LOWEST WATER LEVEL 78.82 BELOW LSD, JAN. 31, 1978.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	77.32	FEB. 22, 1979	76.42	APR. 30, 1979	76.72	JULY 10, 1979	76.32

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 4-IN TEE, 1.15 FT ABOVE LSD (SINCE 11/9/78).

LSD 5.00 FT NGVD.

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, 1977-78.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	5.34						

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 OF OPENING IN TEE, 0.99 FT ABOVE LSD.

LSD 11.79 FT NGVD.

HIGHEST WATER LEVEL 3.75 ABOVE LSD, MAY 17, 1973.

LOWEST WATER LEVEL 25.50 BELOW LSD, AUG. 6, 1957.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1978	14.97	MAY 21, 1979	3.29				

300449090520201 LOCAL WELL NUMBER: SJ-41

OWNER: HELVETIA SUGAR COOP., INC. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 441 FT, SCREENED 399-441. MP TOP OF 8-IN CASING COLLAR, 1.00 FT ABOVE LSD.

LSD 17.80 FT NGVD.

HIGHEST WATER LEVEL 0.07 BELOW LSD, MAY 18, 1979.

LOWEST WATER LEVEL 15.65 BELOW LSD, OCT. 15, 1973.

RECORDS AVAILABLE 1948, 1958-64, 1966-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1978	13.06	MAY 18, 1979	0.07				

300024090433501 LOCAL WELL NUMBER: SJ-R6

OWNER: DELPHINE PLANTING CO. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.

LSD 18.30 FT NGVD.

HIGHEST WATER LEVEL 3.79 BELOW LSD, MAY 21, 1979.

LOWEST WATER LEVEL 19.00 BELOW LSD, OCT. 31, 1963.

RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1978	17.31	MAR. 5, 1979	9.36	MAY 21, 1979	3.79	JULY 26, 1979	11.40

See footnotes at end of table.

GROUND-WATER LEVELS

417

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, 1.00 FT ABOVE LSD.
 LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 3.82 ABOVE LSD, MAY 9, 1979.
 LOWEST WATER LEVEL 8.61 BELOW LSD, NOV. 9, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	8.61	JAN. 18, 1979	5.14	APR. 5, 1979 +	1.61	JUNE 14, 1979 +	2.05
DEC. 14	7.66	MAR. 6	1.93	MAY 9 +	3.82	JULY 24	2.28

ST. JOHN THE BAPTIST PARISH

300240090265601 LOCAL WELL NUMBER: SJR-17

OWNER: J. ESPARROS. (SEC. 54, T. 11S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 310 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF HOLE IN PLATE, 1.00 FT ABOVE LSD.
 LSD 5.76 FT NGVD.
 HIGHEST WATER LEVEL 16.92 BELOW LSD, MAY 18, 1979.
 LOWEST WATER LEVEL 41.59 BELOW LSD, JAN. 23, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	22.20	MAR. 6, 1979	18.31	MAY 18, 1979	16.92	JULY 24, 1979	17.86

300408090375401 LOCAL WELL NUMBER: SJR-21

OWNER: TROXCLAIR BROS. (SEC. 73, T. 11S., R. 6E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF 2-IN CASING, 0.85 FT ABOVE LSD (SINCE 11/9/78).
 LSD 4.42 FT NGVD.
 HIGHEST WATER LEVEL 3.98 ABOVE LSD, MAY 18, 1979.
 LOWEST WATER LEVEL 9.01 BELOW LSD, DEC. 10, 1963.
 RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	7.89	MAY 18, 1979 +	3.98				

300420090344201 LOCAL WELL NUMBER: SJR-53

OWNER: GULF STATES LAND AND INDUSTRIES, INC. (SEC. 32, T. 11S., R. 6E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 345 FT, SCREENED 305-345. MP TOP OF 3 X 3/4-IN BUSHING, 1.57 FT ABOVE LSD.
 LSD 9.35 FT NGVD.
 HIGHEST WATER LEVEL 3.09 BELOW LSD, MAY 17, 1973.
 LOWEST WATER LEVEL 15.12 BELOW LSD, OCT. 6, 1970.
 RECORDS AVAILABLE 1960-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	14.08	MAY 18, 1979	4.23				

300232090390405 LOCAL WELL NUMBER: SJR-144

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN OLDER DELTAIC DEPOSITS OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 170 FT, SCREENED 158-170. MP TOP OF 4-IN CAP, 3.22 FT ABOVE LSD.
 LSD 17.75 FT NGVD.
 HIGHEST WATER LEVEL 3.15 ABOVE LSD, MAY 17, 1973.
 LOWEST WATER LEVEL 15.37 BELOW LSD, DEC. 11, 1963.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1978	14.34	MAR. 5, 1979	2.56	MAY 21, 1979 +	2.40	JULY 26, 1979	7.89
DEC. 11	10.29	APR. 2 +	2.51	JUNE 13 +	1.13	AUG. 22	9.17
JAN. 17, 1979	3.90						

See footnotes at end of table.

LOUISIANA - ST. MARTIN PARISH

ST. JOHN THE BAPTIST PARISH

300234090390301 LOCAL WELL NUMBER: SJH-145

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 315 FT, SCREENED 305-315. MP TOP OF 4-IN CAP, 2.60 FT ABOVE LSD.

LSD 17.51 FT NGVD.

HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973.

LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.

RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1978	20.05	MAR. 5, 1979	9.52	MAY 21, 1979	4.88	JULY 26, 1979	13.40
DEC. 11	16.94	APR. 2	5.32	JUNE 13	7.09	AUG. 22	14.54
JAN. 17, 1979	11.79						

300348090290801 LOCAL WELL NUMBER: SJR-156

OWNER: ST. JOHN THE BAPTIST WATERWORKS DISTRICT NO. 3. (SEC. 27, T. 11S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 359 FT, SCREENED 319-359. MP TOP INSIDE EDGE OF 1 1/4-IN COUPLING, 1.70 FT ABOVE LSD.

LSD 10.00 FT NGVD.

HIGHEST WATER LEVEL 22.53 BELOW LSD, MAY 18, 1979.

LOWEST WATER LEVEL 28.05 BELOW LSD, NOV. 9, 1978.

RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	28.05	MAR. 6, 1979	23.23	MAY 18, 1979	22.53	JULY 24, 1979	23.27

300310090281702 LOCAL WELL NUMBER: SJH-163B

OWNER: GUY REINE. (SEC. 30, T. 11S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 635 FT, SCREENED 625-635. MP TOP OF 2-IN NIPPLE, 4.56 FT ABOVE LSD.

LSD 10.00 FT NGVD.

HIGHEST WATER LEVEL 21.05 BELOW LSD, MAY 22, 1973.

LOWEST WATER LEVEL 23.64 BELOW LSD, NOV. 22, 1977.

RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1978	23.47	MAR. 6, 1979	22.56	MAY 18, 1979	22.42	JULY 24, 1979	22.54

ST. MARTIN PARISH

300506091545201 LOCAL WELL NUMBER: SMN-20

OWNER: SMEDES BROS. SUGAR MILL, 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 NGVD.

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
FEB. 26, 1979	25.89						

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 NGVD.

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. 1, 1979	7.05						

GROUND-WATER LEVELS

419

ST. MARTIN PARISH

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 LOWER LIP OF DISCHARGE PIPE, 4.70 FT ABOVE LSD (SINCE 2/26/79).

LSD 17.75 FT NGVD.

HIGHEST WATER LEVEL 5.35 BELOW LSD, MAR. 20, 1950.

LOWEST WATER LEVEL 17.95 BELOW LSD, FEB. 26, 1970.

RECORDS AVAILABLE 1949-72, 1974-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1979	13.50						

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 NGVD.

HIGHEST WATER LEVEL 4.66 BELOW LSD, APR. 24, 1979.

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
OCT. 24, 1978	18.34	JAN. 23, 1979	11.32	APR. 24, 1979	4.66	JUNE 22, 1979	9.10
NOV. 22	18.95	FEB. 16	10.33	MAY 23	7.00E	JULY 20	13.13
DEC. 18	15.30	MAR. 21	7.81				

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 NGVD.

HIGHEST WATER LEVEL 12.65 BELOW LSD, FEB. 27, 1974.

LOWEST WATER LEVEL 21.96 BELOW LSD, NOV. 19, 1969.

RECORDS AVAILABLE 1964-77, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1979	15.54						

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 505 FT, SCREENED 500-505. MP TOP OF 2-IN CASING, 2.72 FT ABOVE LSD.

LSD 11.34 FT NGVD.

HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973.

LOWEST WATER LEVEL 7.08 BELOW LSD, MAR. 7, 1977.

RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1979	2.47						

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 375 FT, SCREENED 370-375. MP TOP OF 2-IN CASING, 2.40 FT ABOVE LSD.

LSD 11.34 FT NGVD.

HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974.

LOWEST WATER LEVEL 7.29 BELOW LSD, MAR. 7, 1977.

RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1979	2.73						

See footnotes at end of table.

LOUISIANA - ST. TAMMANY PARISH

ST. MARTIN PARISH

300947091472102 LOCAL WELL NUMBER: SMN-134H

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, 3.50 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 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
FEB. 26, 1979	13.98						

301512091503002 LOCAL WELL NUMBER: SMN-135H

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, 3.00 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 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
FEB. 26, 1979	11.29						

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LA. PARKS AND REC. COMM. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN BIG BRANCH AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 6 IN, DEPTH 1525 FT, SCREENED INTERVAL UNKNOWN, MP CENTERLINE OF 4-IN TEE, 2.30 FT BELOW LSD.
 LSD 7.00 FT NGVD.
 HIGHEST WATER LEVEL 55.90 ABOVE LSD, JULY 25, 1940.
 LOWEST WATER LEVEL 23.50 ABOVE LSD, JAN. 7, 1970.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978 +	26.70	FEB. 13, 1979 +	26.80	JUNE 15, 1979 +	25.60	JULY 19, 1979 +	27.20

303529089550601 LOCAL WELL NUMBER: ST-16

OWNER: HOGALUSA TUNG OIL CO. (SEC. 29, T. 5S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 2 SAND OF MIOCENE-PLIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 1000 FT, SCREENED INTERVAL UNKNOWN, MP CENTERLINE OF DISCHARGE PIPE, 4.00 FT ABOVE LSD.
 LSD 78.00 FT NGVD.
 HIGHEST WATER LEVEL 38.10 ABOVE LSD, JULY 11, 1946.
 LOWEST WATER LEVEL 10.90 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978 +	14.40	FEB. 22, 1979 +	16.30	JUNE 12, 1979 +	15.85	JULY 19, 1979 +	16.40

302852090010601 LOCAL WELL NUMBER: ST-545

OWNER: RONNIE BYRD. (SEC. 32, T. 6S., R. 12E.) DRILLED DOMESTIC ARTESIAN WELL IN ABITA AQUIFER (ZONE 2) OF MIOCENE-PLIOCENE AGE, DIAM 2 1/2 IN, REPORTED DEPTH 1598 FT, SCREENED 1548-1598, MP TOP EDGE OF CEMENT-BLOCK SECTION OF BUNKHOUSE WALL, 3.00 FT BELOW LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 97.00 ABOVE LSD, MAR. 11, 1953.
 LOWEST WATER LEVEL 47.20 ABOVE LSD, JULY 19, 1979.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978 +	51.80	FEB. 22, 1979 +	54.80	JUNE 15, 1979 +	49.20	JULY 19, 1979 +	47.20

See footnotes at end of table.

GROUND-WATER LEVELS

421

ST. TAMMANY PARISH

302406090093101 LOCAL WELL NUMBER: ST-562

OWNER: TOWN OF MADISONVILLE. (SEC. 39, T. 7S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF MIOCENE-PLIOCENE AGE, DIAM 4 IN, DEPTH 1901 FT, SCREENED 1840-1901.MP CENTERLINE OF 4-IN DISCHARGE LINE, 3.10 FT ABOVE LSD.
 LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 119.20 ABOVE LSD, NOV. 17, 1961,
 LOWEST WATER LEVEL 69.60 ABOVE LSD, JULY 19, 1979.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978	+ 75.10	FEB. 13, 1979	+ 75.60	JUNE 15, 1979	+ 70.10	JULY 19, 1979	+ 69.60

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF MIOCENE-PLIOCENE AGE, DIAM 10 IN, DEPTH 2411 FT, SCREENED 2262-2411.MP CENTERLINE OF FAUCET ON DISCHARGE LINE, 3.50 FT ABOVE LSD.
 LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,
 LOWEST WATER LEVEL 64.60 ABOVE LSD, JULY 20, 1978.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978	+ 69.50	FEB. 13, 1979	+ 67.00	JUNE 13, 1979	+ 69.80	AUG. 21, 1979	+ 68.70
DEC. 8	+ 69.90	MAR. 28	+ 68.50	JULY 19	+ 70.70	SEP. 25	+ 68.50
JAN. 11, 1979	+ 71.00	MAY 17	+ 69.60				

303010090120701 LOCAL WELL NUMBER: ST-615

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 6S., R. 10E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 34 FT, SCREENED 32-34. MP TOP OF CASING, 2.30 FT ABOVE LSD.
 LSD 38.00 FT NGVD.
 HIGHEST WATER LEVEL 2.51 BELOW LSD, JAN. 11, 1972,
 LOWEST WATER LEVEL 9.48 BELOW LSD, DEC. 4, 1968.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978	7.11	FEB. 22, 1979	4.87	JUNE 15, 1979	5.46	JULY 19, 1979	6.12

303159090110001 LOCAL WELL NUMBER: ST-652

OWNER: WILLIE CORE. (SEC. 15, T. 6S., R. 10E.) DRILLED RECREATION ARTESIAN WELL IN RAMSAY AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 10 IN, DEPTH 3354 FT, SCREENED 3269-3354. MP CENTERLINE OF HORIZONTAL 10-IN PIPE, 3.00 FT ABOVE LSD.
 LSD 44.00 FT NGVD.
 HIGHEST WATER LEVEL 95.40 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. 2, 1978	+ 81.30	FEB. 22, 1979	+ 79.50	JUNE 15, 1979	+ 78.80	JULY 19, 1979	+ 79.60

301839089493801 LOCAL WELL NUMBER: ST-661

OWNER: ALBERT L. STONE. (SEC. 37, T. 8S., R. 14E.) DRILLED DOMESTIC ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF MIOCENE-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 NGVD.
 HIGHEST WATER LEVEL 87.45 ABOVE LSD, FEB. 20, 1969,
 LOWEST WATER LEVEL 59.40 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1978	+ 61.70	FEB. 13, 1979	+ 62.00	JUNE 13, 1979	+ 61.50	JULY 19, 1979	+ 61.00

See footnotes at end of table.

LOUISIANA - TANGIPAHOA PARISH

302606090263401 LOCAL WELL NUMBER: TA-7

OWNER: TOWN OF PONCHATOULA. (SEC. 1R, T. 7S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 654 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF TEE AT WELL, 0.73 FT ABOVE LSD.

LSD 22.00 FT NGVD.

HIGHEST WATER LEVEL 11.60 ABOVE LSD, AUG. 8, 1939, FEB. 3, 1942,

LOWEST WATER LEVEL 1.42 ABOVE LSD, JULY 21, 1971.

RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	4.63	FEB. 16, 1979	5.13	MAY 4, 1979	5.73	JULY 13, 1979	4.48

302445090220001 LOCAL WELL NUMBER: TA-19

OWNER: VICTOR STEVENS. (SEC. 26, T. 7S., R. 8E.) DRILLED DOMESTIC AND IRRIGATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 2 IN, REPORTED DEPTH 535 FT, SCREENED 515-535. MP TOP OF CONCRETE SIDEWALK, AT LSD.

LSD 5.00 FT NGVD.

HIGHEST WATER LEVEL 20.70 ABOVE LSD, APR. 3, 1947,

LOWEST WATER LEVEL 10.50 ABOVE LSD, MAR. 10, 1967.

RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	15.30	FEB. 16, 1979	15.50	MAY 4, 1979	15.60	JULY 13, 1979	15.00

302549090222601 LOCAL WELL NUMBER: TA-242

OWNER: HYRON STEVENS. (SEC. 23, T. 7S., R. 8E.) DRILLED IRRIGATION ARTESIAN WELL IN UPPER PONCHATOULA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 405 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN TEE, 1.00 FT ABOVE LSD.

LSD 20.00 FT NGVD.

HIGHEST WATER LEVEL 14.90 ABOVE LSD, APR. 3, 1947,

LOWEST WATER LEVEL 7.30 ABOVE LSD, MAY 9, 1963.

RECORDS AVAILABLE 1944-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	10.40	MAY 4, 1979	11.50				

303007090274801 LOCAL WELL NUMBER: TA-253

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN TCHEFUNCTA AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2190 FT, SCREENED 2070-2190. MP TOP OF HORIZONTAL DISCHARGE PIPE, 2.00 FT ABOVE LSD.

LSD 35.00 FT NGVD.

HIGHEST WATER LEVEL 106.03 ABOVE LSD, DEC. 16, 1952,

LOWEST WATER LEVEL 65.00 ABOVE LSD, NOV. 2, 1978.

RECORDS AVAILABLE 1952-63, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	65.00	FEB. 16, 1979	70.00	MAY 3, 1979	71.00	JULY 12, 1979	67.00

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 2R, T. 3S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2013 FT, SCREENED 1951-2013. MP TOP OF 3/4-IN VALVE, 3.65 FT ABOVE LSD.

LSD 130.86 FT NGVD.

HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,

LOWEST WATER LEVEL 15.70 BELOW LSD, MAY 3, 1979.

RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	15.40	MAY 3, 1979	15.70				

See footnotes at end of table.

GROUND-WATER LEVELS

423

TANGIPAHOA PARISH

303806090295903 LOCAL WELL NUMBER: TA-262

OWNER: TOWN OF INDEPENDENCE. (SEC. 10, T. 5S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 3 IN, DEPTH 2316 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN TEE, 2.40 FT ABOVE LSD.
 LSD 85.00 FT NGVD.
 HIGHEST WATER LEVEL 79.40 ABOVE LSD, JAN. 6, 1954.
 LOWEST WATER LEVEL 14.50 ABOVE LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	+ 14.90	FEB. 12, 1979	+ 14.70	MAY 3, 1979	+ 18.00	JULY 12, 1979	+ 14.50

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2449 FT, SCREENED 2365-2449. MP CENTERLINE OF SOUTH 6-IN DISCHARGE LINE, 2.10 FT ABOVE LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 120.60 ABOVE LSD, JAN. 25, 1957.
 LOWEST WATER LEVEL 32.10 ABOVE LSD, JULY 12, 1979, SEP. 27, 1979.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	+ 34.10	FEB. 16, 1979	+ 37.10	JUNE 12, 1979	+ 35.10	AUG. 13, 1979	+ 34.10
DEC. 6	+ 36.10	APR. 3	+ 40.10	JULY 12	+ 32.10	SEP. 27	+ 32.10
JAN. 18, 1979	+ 35.10	MAY 3	+ 38.10				

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN TCHEFUNCTA AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 3 IN, DEPTH 2329 FT, SCREENED 2289-2329. MP CENTERLINE OF TEE, 2.00 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960.
 LOWEST WATER LEVEL 89.00 ABOVE LSD, NOV. 2, 1978.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	+ 89.00	MAY 4, 1979	+ 90.00				

305237090305101 LOCAL WELL NUMBER: TA-283

OWNER: VILLAGE OF TANGIPAHOA. (SEC. 60, T. 2S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 2) OF MIOCENE-PLIOCENE AGE, DIAM 13 IN, DEPTH 1457 FT, SCREENED 1419-1457. MP TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
 LSD 179.00 FT NGVD.
 HIGHEST WATER LEVEL 36.30 BELOW LSD, MAR. 23, 1971.
 LOWEST WATER LEVEL 61.40 BELOW LSD, MAY 3, 1979.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1978	55.50	FEB. 12, 1979	57.80	MAY 3, 1979	61.40	JULY 12, 1979	58.20

303622090243901 LOCAL WELL NUMBER: TA-360

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 5S., R. 8E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 54 FT, SCREENED 52-54. MP TOP OF CASING, 3.15 FT ABOVE LSD.
 LSD 75.00 FT NGVD.
 HIGHEST WATER LEVEL 15.15 BELOW LSD, MAY 11, 1979.
 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
OCT. 30, 1978	16.00	FEB. 15, 1979	15.85	MAY 11, 1979	15.15	JULY 13, 1979	15.35

See footnotes at end of table.

LOUISIANA - WASHINGTON PARISH

TANGIPAHOA PARISH

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 1S., R. 7E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 43 FT, SCREENED 40-43, MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 265.00 FT NGVD.
 HIGHEST WATER LEVEL 16.71 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. 3, 1978	21.10	FEB. 12, 1979	20.75	MAY 3, 1979	19.00	JULY 12, 1979	19.10

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U. S. GEOL. SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF MIOCENE-PLIOCENE AGE, DIAM 2 IN, DEPTH 603 FT, SCREENED 593-603, MP TOP OF 2-IN GALVANIZED PIPE, 2.15 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975.
 LOWEST WATER LEVEL 4.54 BELOW LSD, NOV. 1, 1977, FEB. 13, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1976	4.29	FEB. 13, 1979	4.54	JUNE 12, 1979	3.70	JULY 17, 1979	3.57

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: CROWN ZELLERBACH. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN, DEPTH 156 FT, SCREENED 90-156, MP TOP EDGE OF RECORDER SHELTER SUBFLOOR, 1.30 FT ABOVE LSD.
 LSD 95.00 FT NGVD.
 HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961.
 LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1978	20.17	DEC. 15, 1978	20.60	MAY 15, 1979	17.22	JULY 20, 1979	17.08
OCT. 7	20.23H	DEC. 20	20.68	MAY 16	18.12H	JULY 25	16.41
OCT. 10	20.16	DEC. 25	19.96	MAY 20	17.32	JULY 31	16.76
OCT. 15	20.26	JAN. 10, 1979	19.70H	MAY 25	17.20	AUG. 5	17.07
OCT. 20	20.42	FEB. 12	18.22H	MAY 31	17.03	AUG. 10	17.19
OCT. 25	20.55	MAR. 28	18.30H	JUNE 5	17.13	AUG. 15	9.04
OCT. 30	20.92H	MAR. 29	18.07H	JUNE 10	17.29	AUG. 20	8.71
OCT. 31	20.56	MAR. 31	17.83	JUNE 12	17.39H	AUG. 25	8.61
NOV. 5	19.44	APR. 5	16.37	JUNE 15	17.37	AUG. 31	16.41
NOV. 10	21.15	APR. 10	17.00	JUNE 20	17.42	SEP. 5	16.52
NOV. 15	21.27	APR. 15	17.14	JUNE 25	17.51	SEP. 10	16.51
NOV. 20	20.82	APR. 20	17.17	JUNE 30	17.46	SEP. 15	16.71
NOV. 25	20.51	APR. 25	16.23	JULY 5	17.78	SEP. 20	15.50
NOV. 30	19.84	APR. 30	16.78	JULY 10	17.17	SEP. 24	16.15H
DEC. 5	20.35	MAY 5	16.91	JULY 15	16.71	SEP. 25	16.69
DEC. 6	20.37H	MAY 10	18.17	JULY 17	17.00H	SEP. 30	16.95
DEC. 10	20.72						

304756089514401 LOCAL WELL NUMBER: WA-14

OWNER: CITY OF ROGALUSA. (SEC. 11, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 SAND OF MIOCENE-PLIOCENE AGE, DIAM 12 IN, DEPTH 681 FT, SCREENED 580-681, MP TOP OF PUMP DISCHARGE LINE, 3.70 FT ABOVE LSD.
 LSD 105.00 FT NGVD.
 HIGHEST WATER LEVEL 35.70 ABOVE LSD, MAY 16, 1979.
 LOWEST WATER LEVEL 2.20 ABOVE LSD, OCT. 5, 1955.
 RECORDS AVAILABLE 1950-67, 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	+ 20.30	FEB. 12, 1979	+ 32.70	JUNE 12, 1979	+ 25.50	AUG. 20, 1979	+ 21.50
DEC. 5	+ 28.55	MAR. 27	+ 31.30	JULY 17	+ 22.43	SEP. 24	+ 22.70
JAN. 10, 1979	+ 31.60	MAY 16	+ 35.70				

See footnotes at end of table.

GROUND-WATER LEVELS

425

WASHINGTON PARISH

304613089513201 LOCAL WELL NUMBER: WA-15

OWNER: CITY OF BOGALUSA. (SEC. 34, T. 35., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 2 SAND OF MIOCENE-PLIOCENE AGE, DIAM 12 IN, DEPTH 764 FT, SCREENED 688-769. MP TOP OF PLUG IN 2-IN TEE AT END OF 3-IN DISCHARGE LINE, 1.50 FT ABOVE LSD.

LSD 98.00 FT NGVD.

HIGHEST WATER LEVEL 29.80 ABOVE LSD, APR. 18, 1950.

LOWEST WATER LEVEL 5.46 ABOVE LSD, JULY 30, 1957.

RECORDS AVAILABLE 1942, 1950-63, 1965-68, 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	+ 21.70	FEB. 12, 1979	+ 23.00	MAY 16, 1979	+ 22.15	JULY 18, 1979	+ 22.30
DEC. 6	+ 21.70	MAR. 29	+ 21.00	JUNE 12	+ 22.30	SEP. 24	+ 22.20
JAN. 10, 1979	+ 22.10						

305036090092101 LOCAL WELL NUMBER: WA-18

OWNER: TOWN OF FRANKLINTON. (SEC. 46, T. 25., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 2 SAND OF MIOCENE-PLIOCENE AGE, DIAM 6 IN, DEPTH 788 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 6-IN TEE, 1.20 FT ABOVE LSD.

LSD 150.00 FT NGVD.

HIGHEST WATER LEVEL 35.80 ABOVE LSD, DEC. 21, 1942.

LOWEST WATER LEVEL 17.10 ABOVE LSD, NOV. 9, 1955.

RECORDS AVAILABLE 1942, 1949-62, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	+ 19.80	FEB. 12, 1979	+ 20.40	JUNE 12, 1979	+ 20.40	AUG. 20, 1979	+ 20.40
DEC. 5	+ 20.20	MAR. 27	+ 20.50	JULY 17	+ 20.40	SEP. 24	+ 20.00
JAN. 10, 1979	+ 19.80	MAY 16	+ 20.50				

304756089514402 LOCAL WELL NUMBER: WA-41

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 35., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 12 IN, DEPTH 1442 FT, SCREENED 1352-1442. MP BOTTOM EDGE OF FLANGE ON PIPE EXTENDING FROM SIDE OF CASING, 0.78 FT ABOVE LSD.

LSD 105.00 FT NGVD.

HIGHEST WATER LEVEL 33.40 ABOVE LSD, MAR. 16, 1950.

LOWEST WATER LEVEL 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. 30, 1978	56.31	FEB. 12, 1979	62.52	JUNE 12, 1979	63.88	AUG. 20, 1979	56.09
DEC. 5	47.02	MAR. 27	58.82	JULY 18	60.37	SEP. 24	50.49
JAN. 10, 1979	59.99	MAY 16	47.47				

304107089523401 LOCAL WELL NUMBER: WA-43

OWNER: V. A. TALLEY. (SEC. 49, T. 4S., R. 13E.) DRILLED DOMESTIC ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 2 IN, DEPTH 420 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF VALVE, 1.40 FT ABOVE LSD.

LSD 71.00 FT NGVD.

HIGHEST WATER LEVEL 31.00 ABOVE LSD, SEP. 12, 1950.

LOWEST WATER LEVEL 8.10 ABOVE LSD, SEP. 26, 1978.

RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1978	+ 12.20	FEB. 12, 1979	+ 13.20	JUNE 12, 1979	+ 12.40	AUG. 20, 1979	+ 12.15
DEC. 6	+ 12.18	MAR. 28	+ 12.40	JULY 18	+ 12.62	SEP. 24	+ 11.60
JAN. 10, 1979	+ 8.60	MAY 16	+ 8.50				

See footnotes at end of table.

LOUISIANA - WEST BATON ROUGE PARISH

WASHINGTON PARISH

305124090093401 LOCAL WELL NUMBER: WA-57

OWNER: TOWN OF FRANKLINTON. (SEC. 45, T. 25., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN FRANKLINTON AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 12 IN, DEPTH 2746 FT, SCREENED 2614-2746. MP HOLE IN PLATE OVER CASING, 0.72 FT ABOVE LSD.

LSD 160.00 FT NGVD.

HIGHEST WATER LEVEL 20.76 BELOW LSD, AUG. 26, 1957.

LOWEST WATER LEVEL 61.79 BELOW LSD, SEP. 26, 1978.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	61.52	FEH. 12, 1979	60.10	JUNE 12, 1979	55.68	AUG. 20, 1979	55.73
DEC. 5	54.81	MAR. 27	54.98	JULY 17	55.32	SEP. 24	55.58
JAN. 10, 1979	56.60	MAY 16	56.50				

305515090194101 LOCAL WELL NUMBER: WA-91

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 1S., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 2 SAND OF MIOCENE-PLIOCENE AGE, DIAM 2 IN, DEPTH 600 FT, SCREENED 580-600. MP TOP OF 2-IN CASING, 0.20 FT ABOVE LSD.

LSD 240.00 FT NGVD.

HIGHEST WATER LEVEL 12.10 BELOW LSD, SEP. 24, 1975.

LOWEST WATER LEVEL 15.03 BELOW LSD, FEH. 13, 1979.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	15.00	FEH. 13, 1979	15.03	JUNE 12, 1979	14.57	JULY 17, 1979	14.32

304709090121502 LOCAL WELL NUMBER: WA-103

OWNER: LSU SOUTHEAST EXPERIMENT STATION. (SEC. 16, T. 3S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 6 IN, DEPTH 170 FT, SCREENED 140-170. MP TOP OF FLANGE, 0.80 FT ABOVE LSD.

LSD 225.00 FT NGVD.

HIGHEST WATER LEVEL 64.69 BELOW LSD, SEP. 10, 1975.

LOWEST WATER LEVEL 67.84 BELOW LSD, APR. 6, 1977.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	66.89	FEB. 12, 1979	66.14	JUNE 12, 1979	65.87	JULY 17, 1979	66.62

304900089542601 LOCAL WELL NUMBER: WA-125

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN, DEPTH 1450 FT, SCREENED 1440-1450. MP TOP OF 2-IN GALVANIZED PIPE, 0.30 FT ABOVE LSD.

LSD 150.00 FT NGVD.

HIGHEST WATER LEVEL 66.46 BELOW LSD, APR. 3, 1978.

LOWEST WATER LEVEL 77.08 BELOW LSD, FEH. 28, 1978.

RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1978	71.22	FEB. 12, 1979	74.45	JUNE 12, 1979	76.45	AUG. 20, 1979	73.48
DEC. 5	67.40	MAR. 27	72.62	JULY 17	76.25	SEP. 24	70.53
JAN. 10, 1979	72.36	MAY 16	68.71				

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WRR-5

OWNER: TOWN OF PORT ALLFN. (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 NGVD.

HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943.

LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.

RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	107.64	MAR. 8, 1979	105.65	JUNE 15, 1979	101.72	AUG. 17, 1979	97.97
DEC. 15	107.67	MAR. 30	103.00	JULY 20	103.31	SEP. 26	98.42
JAN. 18, 1979	107.15	MAY 21	97.64				

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH

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302610041121101 LOCAL WELL NUMBER: WRH-36

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN, REPORTED DEPTH 1,360 FT, SCREENED 1,245-1,290, 1,305-1,360. MP TOP OF 3/4-IN BREATHER PIPE IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
LSD 29.00 FT NGVD.
HIGHEST WATER LEVEL 33.90 BELOW LSD, FEB. 3, 1955.
LOWEST WATER LEVEL 106.75 BELOW LSD, OCT. 1, 1969.
RECORDS AVAILABLE 1955, 1962, 1967, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	102.65	MAY 21, 1979	95.05				

302613091121501 LOCAL WELL NUMBER: WRH-37

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN, DEPTH 1,356 FT, SCREENED 1,235-1,288, 1,318-1,335, 1,340-1,356. MP TOP OF 3/4-IN BREATHER IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
LSD 27.00 FT NGVD.
HIGHEST WATER LEVEL 31.93 BELOW LSD, FEB. 3, 1955.
LOWEST WATER LEVEL 112.25 BELOW LSD, OCT. 18, 1974.
RECORDS AVAILABLE 1955, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	101.00	MAY 21, 1979	91.65				

302922091122301 LOCAL WELL NUMBER: WRH-50

OWNER: POPLAR GROVE PLANTING AND REFINING CO., INC. (SEC. 59, T. 7S., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, DEPTH 2,105 FT, SCREENED 2,045-2,105. MP TOP INSIDE EDGE OF 2-IN NIPPLE, 0.80 FT ABOVE LSD.
LSD 27.00 FT NGVD.
HIGHEST WATER LEVEL 90.02 BELOW LSD, JAN. 7, 1960.
LOWEST WATER LEVEL 296.41 BELOW LSD, SEP. 25, 1973.
RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	288.65	MAR. 6, 1979	277.70	MAY 21, 1979	278.40	JULY 19, 1979	265.55

302851091145H01 LOCAL WELL NUMBER: WRH-74

OWNER: MISSOURI PACIFIC RAILROAD. (SEC. 89, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, ESTIMATED DEPTH 175 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.86 FT ABOVE LSD.
LSD 24.00 FT NGVD.
HIGHEST WATER LEVEL 10.56 ABOVE LSD, MAY 21, 1979.
LOWEST WATER LEVEL 16.85 BELOW LSD, OCT. 22, 1958.
RECORDS AVAILABLE 1958, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1978	6.09	MAR. 30, 1979	9.76	JUNE 15, 1979	4.08	AUG. 17, 1979	5.38
JAN. 18, 1979	0.19	MAY 21	10.56	JULY 20	6.69	SEP. 26	6.81
MAR. 8	2.61						

302546091131402 LOCAL WELL NUMBER: WRH-97B

OWNER: MRS. HUGHES (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,200 FT, SCREENED 2,170-2,200. MP TOP EDGE OF 1/2-IN HOLE IN CAP, 0.92 FT ABOVE LSD.
LSD 17.00 FT NGVD.
HIGHEST WATER LEVEL 26.50 ABOVE LSD, JULY 22, 1964.
LOWEST WATER LEVEL 67.68 BELOW LSD, JULY 19, 1979.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	59.78	MAR. 6, 1979	58.53	MAY 29, 1979	61.86	JULY 19, 1979	67.68
NOV. 10	52.64	MAY 21	60.78				

See footnotes at end of table.

302652091121401 LOCAL WELL NUMBER: WRR-100A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 29.00 FT NGVD.
 HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966.
 LOWEST WATER LEVEL 129.12 BELOW LSD, DEC. 20, 1976.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	121.65	DEC. 19, 1978	118.39	MAR. 6, 1979	116.00	JULY 19, 1979	124.90
NOV. 10	122.10	JAN. 4, 1979	118.65	MAY 21	110.40		

302652091121402 LOCAL WELL NUMBER: WRR-100B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP EDGE OF 3/8-IN NIPPLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 29.00 FT NGVD.
 HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966.
 LOWEST WATER LEVEL 168.46 BELOW LSD, DEC. 19, 1978.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	166.00	DEC. 19, 1978	168.46	JAN. 4, 1979	167.62	MAY 21, 1979	164.50

302726091145501 LOCAL WELL NUMBER: WRR-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 NGVD.
 HIGHEST WATER LEVEL 59.55 BELOW LSD, APR. 29, 1966.
 LOWEST WATER LEVEL 79.73 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	77.58	MAR. 6, 1979	76.73	MAY 21, 1979	72.98	AUG. 10, 1979	72.78
NOV. 16	79.13						

302806091172601 LOCAL WELL NUMBER: WRR-102A

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,288 FT, SCREENED 1,284-1,288. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.35 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 43.16 BELOW LSD, MAY 6, 1966.
 LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	61.00	NOV. 28	61.68	MAY 21, 1979	57.05		

302806091172602 LOCAL WELL NUMBER: WRR-102B

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,100 FT, SCREENED 2,096-2,100. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.35 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966.
 LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	174.85	NOV. 28	176.02	MAY 21, 1979	176.05		

GROUND-WATER LEVELS

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WEST BATON ROUGE PARISH

302703091133703 LOCAL WELL NUMBER: WRR-106

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN, DEPTH 2,017 FT, SCREENED 2,012-2,017. MP TOP EDGE OF 3/4-IN AIRLINE (REMOVE CASING EXTENSION), 2.08 FT ABOVE LSD.
 LSD 22.00 FT NGVD.
 HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966.
 LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	262.12	MAR. 6, 1979	264.07	JUNE 5, 1979	260.94	JULY 19, 1979	265.32
NOV. 16	262.82	MAY 21	261.32				

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U. S. GEOL. SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN, DEPTH 472 FT, SCREENED 462-472. MP TOP OF 2 1/2-IN COLLAR, AT LSD.
 LSD 25.00 FT NGVD.
 HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979.
 LOWEST WATER LEVEL 19.30 BELOW LSD, NOV. 16, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	18.80	JAN. 18, 1979	1.70	APR. 27, 1979	10.54	JULY 20, 1979	8.59
NOV. 16	19.30	MAR. 8	0.65	MAY 21	8.60	AUG. 17	7.28
DEC. 15	8.03	MAR. 30	6.20	JUNE 15	2.13	SEP. 26	8.69

302559091122001 LOCAL WELL NUMBER: WRR-147

OWNER: U. S. GEOL. SURVEY. (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN, DEPTH 1,292 FT, SCREENED 1,282-1,292. MP TOP OF 2 1/2-IN COLLAR, 1.23 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 36.27 BELOW LSD, JULY 19, 1979.
 LOWEST WATER LEVEL 44.37 BELOW LSD, MAR. 6, 1979.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1978	38.22	MAR. 6, 1979	44.37	MAY 21, 1979	36.42	JULY 19, 1979	36.27
NOV. 28	37.46						

302702091185101 LOCAL WELL NUMBER: WRR-148

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN, DEPTH 1,304 FT, SCREENED 1,294-1,304. MP TOP OF 2 1/2-IN CASING EXTENSION, 3.45 FT ABOVE LSD.
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 49.30 BELOW LSD, APR. 26, 1978.
 LOWEST WATER LEVEL 53.60 BELOW LSD, SEP. 8, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1978	53.21	JAN. 18, 1979	53.42	MAY 21, 1979	49.85	AUG. 17, 1979	50.15
NOV. 10	53.31	MAR. 8	52.53	JUNE 15	50.18	SEP. 26	49.53
DEC. 15	53.41	MAR. 30	51.09	JULY 20	51.30		

See footnotes at end of table.

305643091341201 LOCAL WELL NUMBER: WF-220

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 NGVD.

HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959.

LOWEST WATER LEVEL 7.80 BELOW LSD, NOV. 2, 1978.

RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	7.80	MAY 7, 1979	1.75				

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LA. STATE PENAL FARM. (SEC. 24, T. 1S., R. 5W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF MIOCENE-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 NGVD.

HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958.

LOWEST WATER LEVEL 6.66 BELOW LSD, NOV. 2, 1978.

RECORDS AVAILABLE 1956, 1958-59, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	6.66	MAY 7, 1979 +	1.43				

304935091221001 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 1/4 IN, DEPTH 55 FT, SCREENED 52-55. MP TOP OF 1 1/4-IN CASING, 0.20 FT ABOVE LSD.

LSD 117.00 FT NGVD.

HIGHEST WATER LEVEL 12.71 BELOW LSD, FEB. 12, 1979.

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, 1978	14.10	FEB. 12, 1979	12.71	MAY 7, 1979	12.88	JULY 10, 1979	13.30
NOV. 8	14.07	FEB. 27	13.19	MAY 18	12.87		

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-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 146.00 FT NGVD.

HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962.

LOWEST WATER LEVEL 121.22 BELOW LSD, NOV. 14, 1977.

RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1978	114.09	FEB. 12, 1979	109.51	MAY 7, 1979	105.25	JULY 10, 1979	113.59

+ Above land-surface datum.

E Estimated.

H Tape measurement (recorder).

J Recorder measurement for a time other than noon.

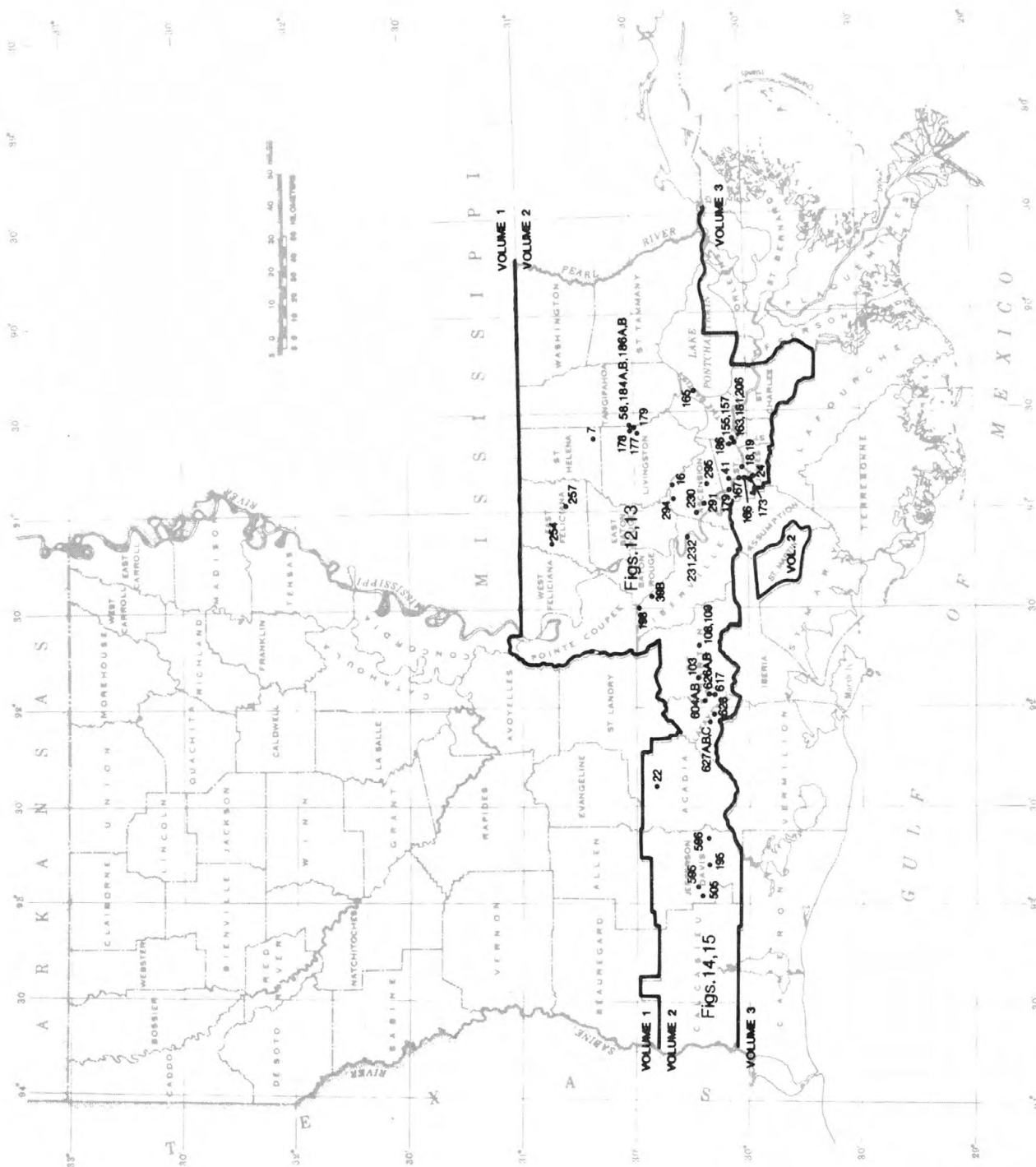


Figure 11.— Location of wells for which water-quality data are included in this report.

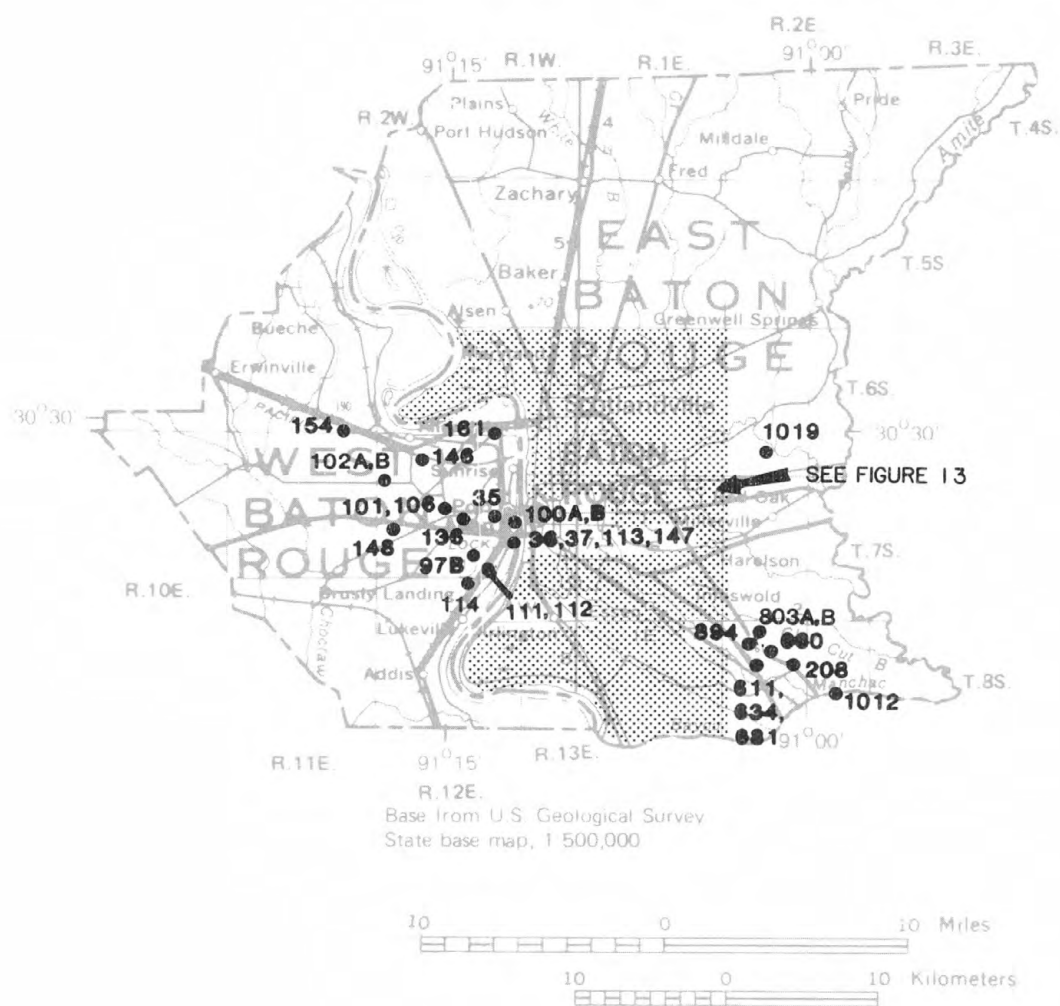


Figure 12. — Location of wells for which water-quality data are included, East Baton Rouge and West Baton Rouge Parishes [except for wells located in the shaded area (see fig. 13)].

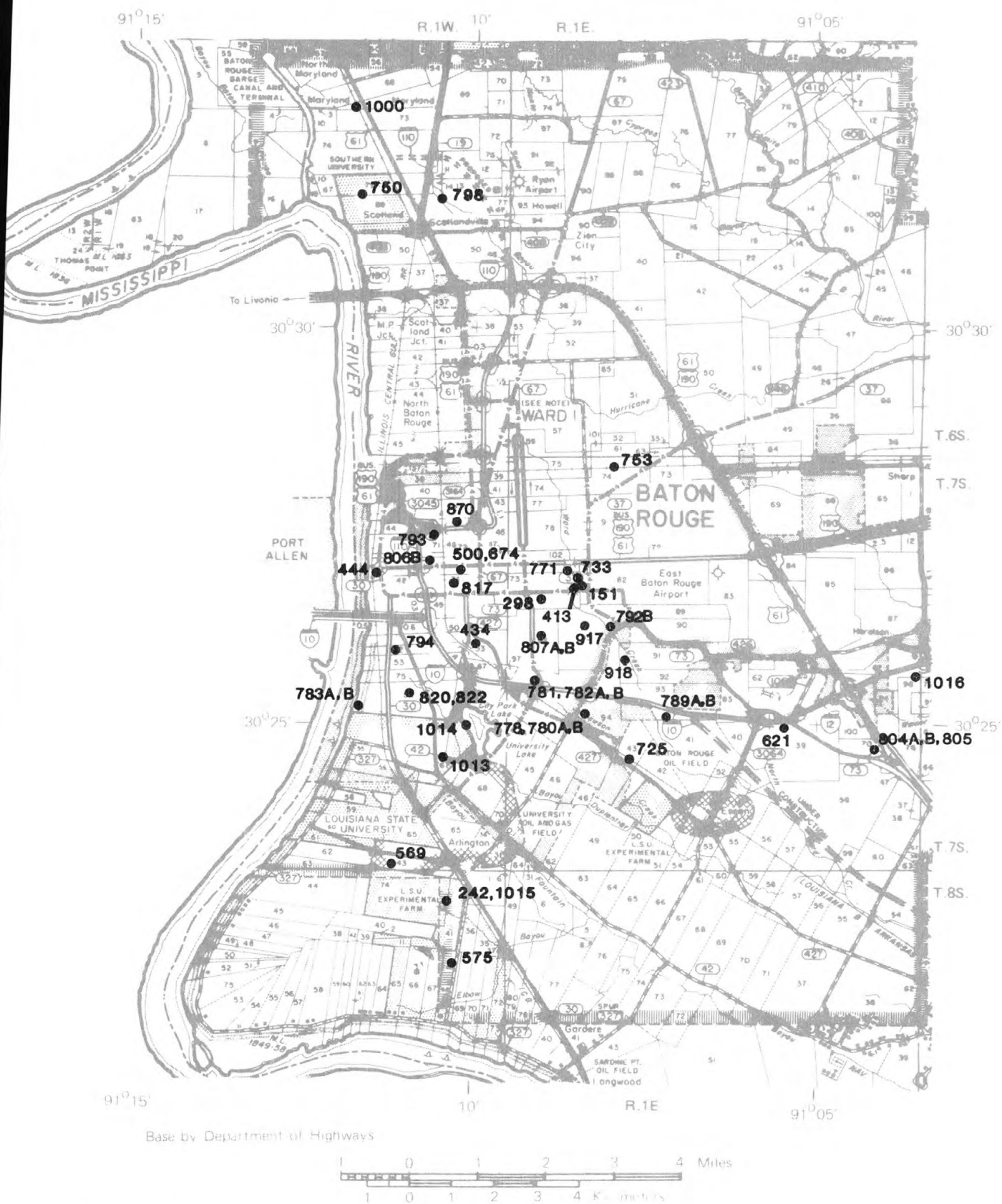


Figure 13. Location of wells for which water-quality data are included in the shaded area shown in

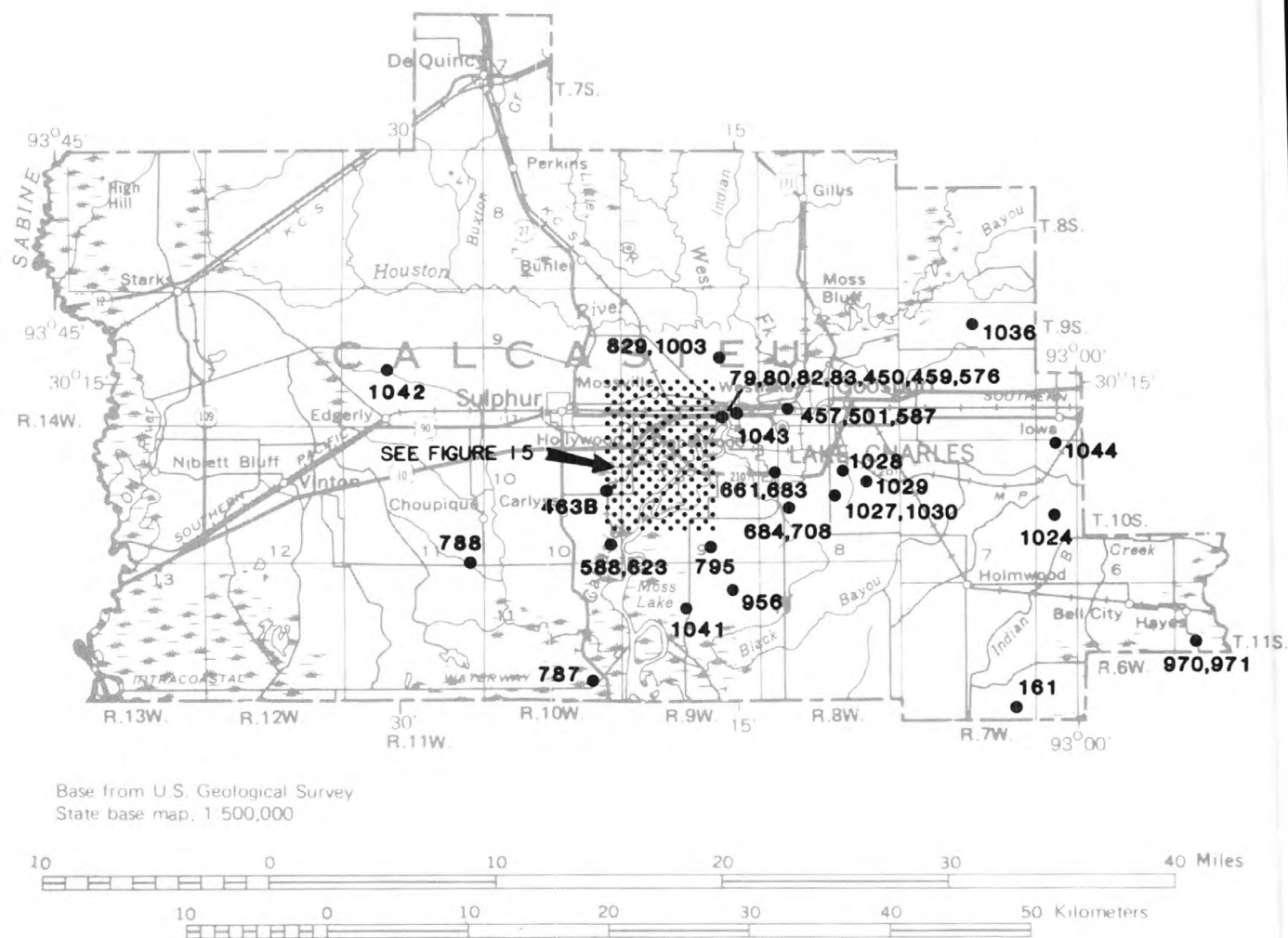
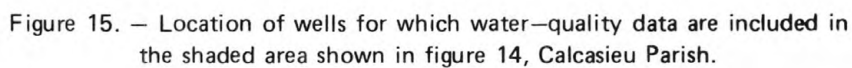


Figure 14. — Location of wells for which water-quality data are included, Calcasieu Parish [except for wells located in the shaded area (see fig. 15)].



QUALITY OF GROUND WATER
CHEMICAL ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

LOCAL IDENT- IFIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
ACADIA PARISH										
AC- 22	7S 1E 19	302525092242001	112CHCT 112CHCT	300 300	79-03-30 79-06-14	-- --	670 669	7.8 --	-- --	-- --
ASCENSION PARISH										
AN- 16	8S 3E 20	302008090541601	12112RR 12112RR	1693 1693	78-11-09 78-12-18	1500 0755	-- 2080	-- --	-- --	-- --
AN- 230	9S 2E 46	301245091021601	112MRVA	196	79-05-01	0915	584	--	--	--
AN- 291	10S 2E 15	301048090585201	112GZNO	528	79-06-21	1400	455	--	--	--
AN- 294	8S 2E 22	301944090574401	112DDMRO	546	79-08-21	1500	525	--	--	60
AN- 295	10S 3E 22	301100090534602	112GZNO	500	79-08-23	--	--	7.6	--	2
CALCASIEU PARISH										
CU- 74	10S 9W 18	301107093200101	11205LC	545	79-04-18	--	380	7.5	--	--
CU- 79	9S 9W 34	301356093160201	11205LC	519	79-04-24	--	405	7.4	--	--
CU- 80	9S 9W 35	301354093155201	11205LC	512	79-04-24	--	410	7.5	--	--
CU- 82	9S 9W 34	301359093162201	11205LC	511	79-04-24	--	434	7.4	--	--
CU- 83	9S 9W 35	301406093155201	11205LC	505	79-04-24	--	383	7.6	--	--
CU- 161	11S 7W 26	300310093025001	11202LC	450	79-05-11	--	723	--	--	--
CU- 449	9S 9W 34	301411093160101	11205LC	517	79-04-24	--	410	7.5	--	--
CU- 450	9S 9W 35	301423093155101	11205LC	523	79-04-24	--	390	7.5	--	--
CU- 457	9S 8W 31	301424093125301	11207LC	698	79-04-27	--	551	7.1	--	--
CU- 459	9S 9W 35	301422093163801	11205LC	511	79-04-24	--	586	6.9	--	--
CU- 463B	10S 10W 13	301106093203202	11205LC	533	79-04-18	--	396	7.5	--	--
CU- 464	10S 10W 13	301129093202001	11205LC	532	79-04-18	--	368	7.3	--	--
CU- 465	9S 9W 34	301407093161701	11205LC	520	79-04-24	--	598	8.2	--	--
CU- 501	9S 8W 32	301425093124201	11207LC	690	79-04-27	--	677	7.3	--	--
CU- 560	10S 9W 19	301035093193401	11205LC	574	79-04-17	0855	425	7.3	26.5	5
CU- 576	9S 9W 35	301405093153601	11205LC	508	79-04-24	--	423	7.6	--	--
CU- 587	9S 8W 31	301428093131201	11207LC	626	79-04-27	--	655	7.3	--	--
CU- 588	10S 10W 25	300922093202901	11205LC	589	79-04-18	--	417	7.8	--	--
CU- 591	10S 9W 18	301118093195001	11205LC	547	79-04-17	--	469	7.7	--	--
CU- 615	10S 9W 4	301338093172801	11205LC	533	79-04-19	--	520	7.4	--	--
CU- 619	10S 9W 19	301035093191101	11205LC	586	79-04-17	--	402	7.9	--	--
CU- 623	10S 10W 25	300920093202901	11205LC	585	79-04-18	--	433	7.8	--	--
CU- 660	10S 9W 18	301129093193501	11205LC	548	79-04-17	--	752	7.4	--	--
CU- 661	10S 8W 8	301154093123801	11207LC	732	79-04-27	--	938	7.4	--	--
CU- 664	10S 10W 13	301115093203601	11205LC	501	79-04-18	--	378	7.8	--	--
CU- 677	9S 9W 27	301445093162201	11205LC	570	79-04-27	--	437	7.2	--	--
CU- 683	10S 8W 8	301155093123801	11205LC	500	79-04-27	--	416	7.4	--	--
CU- 684	10S 8W 20	301036093124502	11205LC	550	79-04-27	--	473	7.4	--	--
CU- 689	10S 9W 19	301059093190301	11205LC	533	79-04-17	--	1080	7.5	--	--

Geologic unit (aquifer):

112ACFL-Atchafalaya aquifer, Pleistocene age.

112CHCT-Chicot aquifer, Pleistocene age.

112CHCTL-Chicot aquifer, lower part, Pleistocene age.

LOCAL IDENT- I- FIELD					DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM DIS- SOLVED (MG/L AS MG)	SODIUM DIS- SOLVED (MG/L AS NA)	POTAS- SIUM DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
ACADIA PARISH--Continued														
AC-	22	7S	1E	19	79-03-30 79-06-14	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
ASCENSION PARISH--Continued														
AN-	16	8S	3E	20	78-11-09 78-12-18	-- 17	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
AN-	230	9S	2E	46	79-05-01	180	--	--	--	--	--	--	--	--
AN-	291	10S	2E	15	79-06-21	36	--	--	--	--	--	--	--	--
AN-	294	8S	2E	22	79-08-21	7	--	--	--	--	--	--	--	--
AN-	295	10S	3E	22	79-08-23	34	--	--	--	--	--	--	--	--
CALCASIEU PARISH--Continued														
CU-	74	10S	9W	18	79-04-18	--	--	--	--	--	--	--	--	--
CU-	79	9S	9W	34	79-04-24	--	--	--	--	--	--	--	--	--
CU-	80	9S	9W	35	79-04-24	--	--	--	--	--	--	--	--	--
CU-	82	9S	9W	34	79-04-24	--	--	--	--	--	--	--	--	--
CU-	83	9S	9W	35	79-04-24	--	--	--	--	--	--	--	--	--
CU-	161	11S	7W	26	79-05-11	--	--	--	--	--	--	--	--	--
CU-	449	9S	9W	34	79-04-24	--	--	--	--	--	--	--	--	--
CU-	450	9S	9W	35	79-04-24	--	--	--	--	--	--	--	--	--
CU-	457	9S	8W	31	79-04-27	--	--	--	--	--	--	--	--	--
CU-	459	9S	9W	35	79-04-24	--	--	--	--	--	--	--	--	--
CU-	4638	10S	10W	13	79-04-18	--	--	--	--	--	--	--	--	--
CU-	464	10S	10W	13	79-04-18	--	--	--	--	--	--	--	--	--
CU-	465	9S	9W	34	79-04-24	--	--	--	--	--	--	--	--	--
CU-	501	9S	8W	32	79-04-27	--	--	--	--	--	--	--	--	--
CU-	560	10S	9W	19	79-04-17	130	0	38	7.6	38	3.4	210	0	4.0
CU-	576	9S	9W	35	79-04-24	--	--	--	--	--	--	--	--	--
CU-	587	9S	8W	31	79-04-27	--	--	--	--	--	--	--	--	--
CU-	588	10S	10W	25	79-04-18	--	--	--	--	--	--	--	--	--
CU-	591	10S	9W	18	79-04-17	--	--	--	--	--	--	--	--	--
CU-	615	10S	9W	4	79-04-19	--	--	--	--	--	--	--	--	--
CU-	619	10S	9W	19	79-04-17	--	--	--	--	--	--	--	--	--
CU-	623	10S	10W	25	79-04-18	--	--	--	--	--	--	--	--	--
CU-	660	10S	9W	18	79-04-17	--	--	--	--	--	--	--	--	--
CU-	661	10S	8W	8	79-04-27	--	--	--	--	--	--	--	--	--
CU-	664	10S	10W	13	79-04-18	--	--	--	--	--	--	--	--	--
CU-	677	9S	9W	27	79-04-27	--	--	--	--	--	--	--	--	--
CU-	683	10S	8W	8	79-04-27	--	--	--	--	--	--	--	--	--
CU-	684	10S	8W	20	79-04-27	--	--	--	--	--	--	--	--	--
CU-	689	10S	9W	19	79-04-17	--	--	--	--	--	--	--	--	--

Geologic unit (aquifer):--Continued

112CHCTU-Chicot aquifer, upper sand unit, Pleistocene age.

112DDMRO-Deltaic deposits of Mississippi River valley, older, Pleistocene age.

112GRMC-Gramercy aquifer, Pleistocene age.

LOCAL IDENT- IFIER					DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DFG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
ACADIA PARISH--Continued														
AC-	22	7S	1E	19	79-03-30 79-06-14	59 61	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
ASCENSION PARISH--Continued														
AN-	16	8S	3E	20	78-11-09 78-12-18	470 450	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
AN-	230	9S	2E	46	79-05-01	33	--	--	--	--	--	--	--	--
AN-	291	10S	2E	15	79-06-21	54	--	--	--	--	--	--	--	--
AN-	294	8S	2E	22	79-08-21	32	--	--	--	--	--	--	--	--
AN-	295	10S	3E	22	79-08-23	140	--	--	--	--	--	--	120	--
CALCASIEU PARISH--Continued														
CU-	74	10S	9W	18	79-04-18	25	--	.1	--	--	--	--	--	--
CU-	79	9S	9W	34	79-04-24	41	--	.2	--	--	--	--	--	--
CU-	80	9S	9W	35	79-04-24	40	--	.2	--	--	--	--	--	--
CU-	82	9S	9W	34	79-04-24	45	--	.2	--	--	--	--	--	--
CU-	83	9S	9W	35	79-04-24	33	--	.2	--	--	--	--	--	--
CU-	161	11S	7W	26	79-05-11	98	--	.3	--	--	--	--	--	--
CU-	449	9S	9W	34	79-04-24	42	--	.2	--	--	--	--	--	--
CU-	450	9S	9W	35	79-04-24	38	--	.2	--	--	--	--	--	--
CU-	457	9S	8W	31	79-04-27	29	--	.1	--	--	--	--	--	--
CU-	459	9S	9W	35	79-04-24	110	--	.2	--	--	--	--	--	--
CU-	463B	10S	10W	13	79-04-18	26	--	.1	--	--	--	--	--	--
CU-	464	10S	10W	13	79-04-18	25	--	.1	--	--	--	--	--	--
CU-	465	9S	9W	34	79-04-24	94	--	.3	--	--	--	--	--	--
CU-	501	9S	8W	32	79-04-27	120	--	.4	--	--	--	--	--	--
CU-	560	10S	9W	19	79-04-17	28	.1	.1	56	270	274	.00	44	280
CU-	576	9S	9W	35	79-04-24	46	--	.2	--	--	--	--	--	--
CU-	587	9S	8W	31	79-04-27	120	--	.4	--	--	--	--	--	--
CU-	588	10S	10W	25	79-04-18	26	--	.1	--	--	--	--	--	--
CU-	591	10S	9W	18	79-04-17	36	--	.1	--	--	--	--	--	--
CU-	615	10S	9W	4	79-04-19	68	--	.2	--	--	--	--	--	--
CU-	619	10S	9W	19	79-04-17	21	--	.1	--	--	--	--	--	--
CU-	623	10S	10W	25	79-04-18	27	--	.1	--	--	--	--	--	--
CU-	660	10S	9W	18	79-04-17	140	--	.4	--	--	--	--	--	--
CU-	661	10S	8W	8	79-04-27	120	--	.5	--	--	--	--	--	--
CU-	664	10S	10W	13	79-04-18	25	--	.1	--	--	--	--	--	--
CU-	677	9S	9W	27	79-04-27	54	--	.2	--	--	--	--	--	--
CU-	683	10S	8W	8	79-04-27	33	--	.1	--	--	--	--	--	--
CU-	684	10S	8W	20	79-04-27	41	--	.1	--	--	--	--	--	--
CU-	689	10S	9W	19	79-04-17	230	--	.6	--	--	--	--	--	--

Geologic unit (aquifer):--Continued

112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.

112MRVA-Mississippi River alluvial aquifer, Pleistocene age.

112NORC-Norco aquifer, Pleistocene age.

LOCAL IDENT- IFIER	STATION	NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
CALCASIEU PARISH										
CU- 690	10S	9W 18	301144093193901	11205LC	601	79-04-17	--	424	7.7	--
CU- 692	10S	10W 13	301112093201601	11205LC	560	79-04-18	--	392	7.6	--
CU- 694	10S	9W 19	301044093195101	11205LC	556	79-04-17	--	1380	7.7	--
CU- 708	10S	8W 20	301036093124301	11205LC	549	79-04-27	--	820	7.6	--
CU- 709	10S	9W 4	301327093170601	11205LC	524	79-04-19	--	771	7.2	--
CU- 710	9S	9W 34	301343093165201	11207LC	686	79-04-19	--	803	7.2	--
CU- 753	10S	9W 18	301134093192101	11205LC	553	79-04-17	--	942	7.7	--
CU- 754	9S	9W 33	301345093170501	11205LC	570	79-04-19	--	918	7.1	--
CU- 778	10S	9W 19	301046093191202	11205LC	525	79-04-17	--	906	7.4	--
CU- 787	11S	10W 36	300353093210201	11205LC	755	79-03-27	1000	489	--	23.5
CU- 788	10S	11W 36	300825093260801	11207LC	805	79-03-26	1715	2300	--	24.5
CU- 789	10S	9W 19	301100093200001	11207LC	640	79-03-26	1530	1160	--	23.5
CU- 795	10S	9W 34	300855093155502	11205LC	625	79-06-21	1000	454	--	--
CU- 827	10S	9W 18	301134093191101	11205LC	560	79-04-17	--	728	7.7	--
CU- 828	10S	9W 18	301149093190801	11205LC	560	79-04-17	--	658	7.2	--
CU- 829	9S	9W 23	301603093153001	11205LC	480	79-04-19	--	301	7.1	--
CU- 831	9S	9W 27	301510093170001	11205LC	497	79-05-11	--	341	6.9	24.0
CU- 833	9S	9W 27	301454093164301	11205LC	546	79-05-11	--	364	6.8	24.0
CU- 834	9S	9W 27	301444093164501	11205LC	533	79-05-11	--	379	--	--
CU- 835	9S	9W 27	301437093163401	11205LC	510	79-04-27	--	430	7.5	--
CU- 840	10S	9W 3	301339093170102	11205LC	500	79-04-19	--	588	7.3	--
CU- 849	10S	9W 8	301205093182501	11205LC	564	79-07-31	1215	518	--	22.5
CU- 850	10S	9W 7	301200093191901	11205LC	548	79-08-01	1630	1720	--	22.5
CU- 857	10S	9W 18	301122093195401	11205LC	553	79-04-18	--	369	7.5	--
CU- 860	10S	9W 18	301052093194401	11205LC	611	79-04-17	--	513	7.4	--
CU- 861	10S	9W 5	301330093181701	11202LC	225	79-04-18	--	394	7.7	--
CU- 862	10S	9W 19	301048093193401	11205LC	550	79-04-17	--	766	7.5	--
CU- 863	10S	9W 18	301108093192301	11205LC	540	79-04-17	--	543	7.6	--
CU- 869	9S	9W 33	301349093171501	11205LC	526	79-04-19	--	595	7.3	--
CU- 949	10S	9W 4	301334093175301	11205LC	504	79-04-19	--	460	7.4	--
CU- 951	10S	9W 4	301328093175701	11205LC	500	79-04-19	--	502	7.7	--
CU- 956	11S	9W 1	300742093145201	11207LC	648	79-06-21	0930	411	--	26.0
CU- 957	10S	9W 18	301120093191002	11205LC	500	79-04-17	--	671	7.5	--
CU- 970	11S	5W 18	300534092564401	11205LC	780	79-08-02	--	2540	--	--
CU- 971	11S	5W 18	300534092564402	11205LC	500	79-08-03	--	1380	--	--
CU- 987	9S	9W 33	301341093174801	11202LC	200	79-04-19	--	396	7.9	--
CU-1003	9S	9W 23	301625093153001	11205LC	492	79-04-24	1415	300	6.0	--
CU-1016	9S	9W 29	301456093182401	11205LC	425	79-04-18	--	376	6.9	--

Geologic unit (aquifer):--Continued

112SLBR-Shallow sands of Baton Rouge area, Pleistocene age.

11202LC-"200-foot" sand of Lake Charles area, Pleistocene age.

11204BR-"400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.

LOCAL IDENT- IFIER	DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
CALCASIEU PARISH--Continued										
CU- 690	10S 9W 18	79-04-17	--	--	--	--	--	--	--	--
CU- 692	10S 10W 13	79-04-18	--	--	--	--	--	--	--	--
CU- 694	10S 9W 19	79-04-17	--	--	--	--	--	--	--	--
CU- 708	10S 8W 20	79-04-27	--	--	--	--	--	--	--	--
CU- 709	10S 9W 4	79-04-19	--	--	--	--	--	--	--	--
CU- 710	9S 9W 34	79-04-19	--	--	--	--	--	--	--	--
CU- 753	10S 9W 18	79-04-17	--	--	--	--	--	--	--	--
CU- 754	9S 9W 33	79-04-19	--	--	--	--	--	--	--	--
CU- 778	10S 9W 19	79-04-17	--	--	--	--	--	--	--	--
CU- 787	11S 10W 36	79-03-27	--	--	--	--	--	--	--	--
CU- 788	10S 11W 36	79-03-26	--	--	--	--	--	--	--	--
CU- 789	10S 9W 19	79-03-26	--	--	--	--	--	--	--	--
CU- 795	10S 9W 34	79-06-21	--	--	--	--	--	--	--	--
CU- 827	10S 9W 18	79-04-17	--	--	--	--	--	--	--	--
CU- 828	10S 9W 18	79-04-17	--	--	--	--	--	--	--	--
CU- 829	9S 9W 23	79-04-19	74	0	22	4.6	28	3.1	130	0 3.4
CU- 831	9S 9W 27	79-05-11	98	--	--	--	--	--	--	--
CU- 833	9S 9W 27	79-05-11	98	--	--	--	--	--	--	--
CU- 834	9S 9W 27	79-05-11	--	--	--	--	--	--	--	--
CU- 835	9S 9W 27	79-04-27	--	--	--	--	--	--	--	--
CU- 840	10S 9W 3	79-04-19	--	--	--	--	--	--	--	--
CU- 849	10S 9W 8	79-07-31	71	0	20	5.1	88	2.6	200	0 .0
CU- 850	10S 9W 7	79-08-01	210	5	59	16	--	--	250	0 --
CU- 857	10S 9W 18	79-04-18	--	--	--	--	--	--	--	--
CU- 860	10S 9W 18	79-04-17	--	--	--	--	--	--	--	--
CU- 861	10S 9W 5	79-04-18	--	--	--	--	--	--	--	--
CU- 862	10S 9W 19	79-04-17	--	--	--	--	--	--	--	--
CU- 863	10S 9W 18	79-04-17	--	--	--	--	--	--	--	--
CU- 869	9S 9W 33	79-04-19	--	--	--	--	--	--	--	--
CU- 949	10S 9W 4	79-04-19	--	--	--	--	--	--	--	--
CU- 951	10S 9W 4	79-04-19	--	--	--	--	--	--	--	--
CU- 956	11S 9W 1	79-06-21	--	--	--	--	--	--	--	--
CU- 957	10S 9W 18	79-04-17	--	--	--	--	--	--	--	--
CU- 970	11S 5W 18	79-08-02	40	--	9.0	4.3	--	--	25	92 --
CU- 971	11S 5W 18	79-08-03	140	--	30	16	--	--	310	0 --
CU- 987	9S 9W 33	79-04-19	--	--	--	--	--	--	--	--
CU-1003	9S 9W 23	79-04-24	78	0	22	5.6	28	3.4	130	0 .0
CU-1016	9S 9W 29	79-04-18	110	0	28	9.5	32	3.2	150	0 2.0

Geologic unit (aquifer):--Continued

11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
 11206BR-"600-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
 11207LC-"700-foot" sand of Lake Charles area, Pleistocene age.

LOCAL IDENT- IFIER	DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
CALCASIEU PARISH--Continued										
CU- 690	10S 9W 18	79-04-17	47	--	.2	--	--	--	--	--
CU- 692	10S 10W 13	79-04-18	25	--	.1	--	--	--	--	--
CU- 694	10S 9W 19	79-04-17	330	--	.8	--	--	--	--	--
CU- 708	10S 8W 20	79-04-27	140	--	.4	--	--	--	--	--
CU- 709	10S 9W 4	79-04-19	140	--	.4	--	--	--	--	--
CU- 710	9S 9W 34	79-04-19	160	--	.4	--	--	--	--	--
CU- 753	10S 9W 18	79-04-17	190	--	.6	--	--	--	--	--
CU- 754	9S 9W 33	79-04-19	190	--	.5	--	--	--	--	--
CU- 778	10S 9W 19	79-04-17	180	--	.5	--	--	--	--	--
CU- 787	11S 10W 36	79-03-27	39	--	.1	--	--	--	--	--
CU- 788	10S 11W 36	79-03-26	570	--	1.5	--	--	--	--	--
CU- 789	10S 9W 19	79-03-26	260	--	.7	--	--	--	--	--
CU- 795	10S 9W 34	79-06-21	33	--	--	--	--	--	--	--
CU- 827	10S 9W 18	79-04-17	130	--	.4	--	--	--	--	--
CU- 828	10S 9W 18	79-04-17	120	--	.4	--	--	--	--	--
CU- 829	9S 9W 23	79-04-19	24	.3	.1	57	210	206	.00	330 340
CU- 831	9S 9W 27	79-05-11	31	--	.2	--	--	--	1300	340
CU- 833	9S 9W 27	79-05-11	33	--	.2	--	--	--	1600	350
CU- 834	9S 9W 27	79-05-11	36	--	.2	--	--	--	--	--
CU- 835	9S 9W 27	79-04-27	46	--	.2	--	--	--	--	--
CU- 840	10S 9W 3	79-04-19	85	--	.3	--	--	--	--	--
CU- 849	10S 9W 8	79-07-31	65	.3	.2	15	309	295	.16	-- 130
CU- 850	10S 9W 7	79-08-01	420	--	1.0	--	--	--	.40	-- 670
CU- 857	10S 9W 18	79-04-18	30	--	.1	--	--	--	--	--
CU- 860	10S 9W 18	79-04-17	68	--	.2	--	--	--	--	--
CU- 861	10S 9W 5	79-04-18	19	--	.1	--	--	--	--	--
CU- 862	10S 9W 19	79-04-17	140	--	.4	--	--	--	--	--
CU- 863	10S 9W 18	79-04-17	66	--	.2	--	--	--	--	--
CU- 869	9S 9W 33	79-04-19	95	--	.3	--	--	--	--	--
CU- 949	10S 9W 4	79-04-19	56	--	.2	--	--	--	--	--
CU- 951	10S 9W 4	79-04-19	63	--	.2	--	--	--	--	--
CU- 956	11S 9W 1	79-06-21	16	--	--	--	--	--	--	--
CU- 957	10S 9W 18	79-04-17	110	--	.3	--	--	--	--	--
CU- 970	11S 5W 18	79-08-02	660	--	--	--	--	.30	--	80
CU- 971	11S 5W 18	79-08-03	280	--	.9	--	--	--	--	140
CU- 987	9S 9W 33	79-04-19	17	--	.1	--	--	--	--	--
CU-1003	9S 9W 23	79-04-24	23	.4	.1	56	210	205	.00	2200 360
CU-1016	9S 9W 29	79-04-18	36	.1	.2	56	264	241	.00	-- 390

Geologic unit (aquifer):--Continued

120CVGN-Covington aquifer, Tertiary age.

120TCFC-Tchefuncta aquifer, Tertiary age.

121PNCLL-Lower Ponchatoula aquifer, Pliocene age.

LOCAL IDENT- I- FIER				STATION	NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
CALCASIEU PARISH													
CU-1023	10S	9w	3	301331093164701		11207LC	701	79-04-19	--	698	7.2	--	--
CU-1024	10S	6w	17	301056093004401		112CHCT	350	79-06-22	1320	1040	--	--	--
CU-1027	10S	8w	15	301104093102201		11202LC	90	79-02-12	--	1580	6.2	21.5	0
CU-1024	10S	8w	11	301156093094501		11205LC	400	79-02-12	--	491	7.1	22.0	0
CU-1029	10S	8w	14	301128093090601		11202LC	100	79-02-12	--	548	5.8	21.0	0
CU-1030	10S	8w	15	301103093103001		11202LC	220	79-02-13	--	464	6.1	21.5	0
CU-1036	10S	5F	28	301746093044101		11202LC	90	79-05-21	--	1170	6.4	25.0	0
CU-1041	11S	9w	9	300702093165801		11205LC	560	79-09-07	1000	825	--	--	--
CU-1042	9S	11w	21	301547093301101		11205LC	452	79-09-18	1100	301	--	--	--
CU-1043	9S	9w	36	301407093145202		11207LC	672	79-09-18	1400	719	--	--	--
CU-1044	9S	6w	32	301341093003102		112CHCTU	300	79-06-21	1100	829	--	--	--
EAST BATON ROUGE PARISH													
ER- 151	7S	1E	82	302641091085801		12220BR	2658	78-11-09	0825	349	--	--	--
EB- 208	8S	2E	38	302141091002901		11204BR	650	79-01-03	0930	591	--	--	--
EB- 242	8S	1W	74	302238091102701		112MRVA	173	79-05-31	1330	987	--	--	--
EB- 299	7S	1E	81	302638091090801		12112RR	1387	78-11-21	1155	378	--	--	--
EB- 413	7S	1E	81	302642091083201		12115RR	1745	78-11-09	0830	314	--	--	--
EB- 434	7S	1W	49	302619091104003		11206BR	611	78-11-15	1455	588	--	--	--
						11206BR	611	79-05-31	1115	576	--	--	--
EB- 444	7S	1W	48	302655091112401		12220HR	2172	78-11-09	0915	383	--	--	--
EB- 500	7S	1W	46	302654091101101		11206BR	710	78-11-21	0950	10800	--	--	--
						11206BR	710	79-05-30	1355	10700	--	--	--
EB- 569	7S	1W	65	302312091111701		12115BR	2170	78-12-27	1200	1550	--	--	--
EB- 575	8S	1W	68	302149091101401		12220BR	2500	78-12-28	1200	1220	--	--	--
EB- 611	8S	2E	50	302149091012401		11204BR	600	79-06-07	1045	754	--	--	--
EB- 621	7S	1E	39	302500091052501		12115BR	1487	78-11-09	1100	376	--	--	--
EB- 634	8S	2E	50	302146091012701		11204BR	600	78-12-27	1135	871	--	--	--
EB- 660	8S	2E	51	302140091011701		112SLBR	295	78-12-29	0955	735	--	--	--
EB- 674	7S	1W	48	302656091101301		12220BR	2250	78-12-28	1340	372	--	--	--
ER- 681	8S	2E	50	302147091012301		112SLBR	289	78-12-28	1100	762	--	--	--
EB- 725	7S	1E	43	302431091074601		11204BR	598	78-12-28	1150	414	--	--	--
EB- 733	7S	1E	81	302647091083301		12220BR	2637	78-11-09	0835	337	--	--	--
EB- 750	6S	1W	75	303141091114801		12228BR	2643	79-06-12	0910	683	--	--	--
EB- 753	7S	1E	74	302817091075401		12108BR	806	79-06-07	1000	318	--	--	--
ER- 771	7S	1E	81	302646091083801		12115BR	1739	78-11-09	0850	306	--	--	--
EB- 778	7S	1E	94	302509091082701		12220RR	2586	78-11-14	1000	1010	--	--	--
						12220RR	2586	79-05-29	1610	1010	--	--	--
EB- 780A	7S	1E	94	302509091082702		12112BR	1622	78-11-14	1020	2810	--	--	--
EB- 780B	7S	1E	94	302509091082703		12115BR	1913	78-11-09	1415	1720	--	--	--
EB- 781	7S	1E	94	302535091090401		12220RR	2286	78-11-20	1110	6510	--	--	--
						12220RR	2286	79-06-04	1355	6390	--	--	--

Geologic unit (aquifer):--Continued

12108BR--"800-foot" sand of Baton Rouge area, Pliocene age.

LOCAL IDENT- IFIER	DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAH- RONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
CALCASIEU PARISH--Continued										
CU-1023	10S 9W 3	79-04-19	--	--	--	--	--	--	--	--
CU-1024	10S 6W 17	79-06-22	--	--	--	--	--	--	--	--
CU-1027	10S 8W 15	79-02-12	360	0	79	39	200	7.7	580	0 13
CU-1028	10S 8W 11	79-02-12	70	0	18	6.1	82	1.2	260	0 .0
CU-1029	10S 8W 14	79-02-12	110	0	29	10	74	1.5	260	0 4.0
CU-1030	10S 8W 15	79-02-13	110	0	30	7.6	57	1.8	240	0 .0
CU-1036	10S 5E 28	79-05-21	290	69	67	29	120	3.6	270	0 3.8
CU-1041	11S 9W 9	79-09-07	--	--	--	--	--	--	--	--
CU-1042	9S 11W 21	79-09-18	--	--	--	--	--	--	--	--
CU-1043	9S 9W 36	79-09-18	--	--	--	--	--	--	--	--
CU-1044	9S 6W 32	79-06-21	--	--	--	--	--	--	--	--
EAST BATON ROUGE PARISH--Continued										
EB- 151	7S 1E 82	78-11-09	0	--	--	--	--	--	--	--
EB- 208	8S 2E 38	79-01-03	58	--	--	--	--	--	--	--
EB- 242	8S 1W 74	79-05-31	480	--	--	--	--	--	--	--
EB- 298	7S 1E 81	78-11-21	3	--	--	--	--	--	--	--
EB- 413	7S 1E 81	78-11-09	1	--	--	--	--	--	--	--
EB- 434	7S 1W 49	78-11-15 79-05-31	41 42	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 444	7S 1W 48	78-11-09	0	--	--	--	--	--	--	--
EB- 500	7S 1W 46	78-11-21 79-05-30	1800 1900	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 569	7S 1W 65	78-12-27	6	--	--	--	--	--	--	--
EB- 575	8S 1W 68	78-12-28	0	--	--	--	--	--	--	--
EB- 611	8S 2E 50	79-06-07	88	--	--	--	--	--	--	--
EB- 621	7S 1E 39	78-11-09	5	--	--	--	--	--	--	--
EB- 634	8S 2E 50	78-12-27	26	--	--	--	--	--	--	--
EB- 660	8S 2E 51	78-12-29	83	--	--	--	--	--	--	--
EB- 674	7S 1W 48	78-12-28	0	--	--	--	--	--	--	--
EB- 681	8S 2E 50	78-12-28	88	--	--	--	--	--	--	--
EB- 725	7S 1E 43	78-12-28	9	--	--	--	--	--	--	--
EB- 733	7S 1E 81	78-11-09	2	--	--	--	--	--	--	--
EB- 750	6S 1W 75	79-06-12	4	--	--	--	--	--	--	--
EB- 753	7S 1E 74	79-06-07	6	--	--	--	--	--	--	--
EB- 771	7S 1E 81	78-11-09	0	--	--	--	--	--	--	--
EB- 778	7S 1E 94	78-11-14 79-05-29	1 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 780A	7S 1E 94	78-11-14	110	--	--	--	--	--	--	--
EB- 780B	7S 1E 94	78-11-09	9	--	--	--	--	--	--	--
EB- 781	7S 1E 94	78-11-20 79-06-04	140 130	-- --	-- --	-- --	-- --	-- --	-- --	-- --

Geologic unit (aquifer):--Continued

12110BR--"1000-foot" sand of Baton Rouge area, Pliocene age.

					CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	
CALCASIEU PARISH--Continued														
CU-1023	10S	9W	3	79-04-19	190	--	.3	--	--	--	--	--	--	
CU-1024	10S	6W	17	79-06-22	130	--	--	--	--	--	--	--	--	
CU-1027	10S	8W	15	79-02-12	220	.2	--	19	874	864	.26	700	100	
CU-1028	10S	8W	11	79-02-12	28	.1	.1	20	290	284	.14	520	110	
CU-1029	10S	8W	14	79-02-12	40	.1	.2	30	326	320	.13	490	190	
CU-1030	10S	8W	15	79-02-13	30	.1	.1	34	284	278	.19	130	180	
CU-1036	10S	5E	28	79-05-21	220	.3	.7	35	631	617	.66	4600	120	
CU-1041	11S	9W	9	79-09-07	35	--	--	--	--	--	--	--	--	
CU-1042	9S	11W	21	79-09-18	20	--	--	--	--	--	--	--	--	
CU-1043	9S	9W	36	79-09-18	140	--	--	--	--	--	--	--	--	
CU-1044	9S	6W	32	79-06-21	150	--	--	--	--	--	--	--	--	
EAST BATON ROUGE PARISH--Continued														
EB- 151	7S	1E	82	78-11-09	2.3	--	--	--	--	--	--	--	--	
EB- 208	8S	2E	38	79-01-03	10	--	--	--	--	--	--	--	--	
EB- 242	8S	1W	74	79-05-31	15	--	--	--	--	--	--	15000	200	
EB- 298	7S	1E	81	78-11-21	1.3	--	--	--	--	--	--	--	--	
EB- 413	7S	1E	81	78-11-09	2.8	--	--	--	--	--	--	--	--	
EB- 434	7S	1W	49	78-11-15 79-05-31	96 92	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EB- 444	7S	1W	48	78-11-09	2.2	--	--	--	--	--	--	--	--	
EB- 500	7S	1W	46	78-11-21 79-05-30	3600 3600	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EB- 569	7S	1W	65	78-12-27	310	--	--	--	--	--	--	--	--	
EB- 575	8S	1W	68	78-12-28	220	--	--	--	--	--	--	--	--	
EB- 611	8S	2E	50	79-06-07	130	--	--	--	--	--	--	--	--	
EB- 621	7S	1E	39	78-11-09	13	--	--	--	--	--	--	--	--	
EB- 634	8S	2E	50	78-12-27	140	--	--	--	--	--	--	--	--	
EB- 660	8S	2E	51	78-12-29	15	--	--	--	--	--	--	--	--	
EB- 674	7S	1W	48	78-12-28	2.1	--	--	--	--	--	--	--	--	
EB- 681	8S	2E	50	78-12-28	15	--	--	--	--	--	--	--	--	
EB- 725	7S	1E	43	78-12-28	36	--	--	--	--	--	--	--	--	
EB- 733	7S	1E	81	78-11-09	1.5	--	--	--	--	--	--	--	--	
EB- 750	6S	1W	75	79-06-12	36	--	--	--	--	--	--	--	--	
EB- 753	7S	1E	74	79-06-07	1.3	--	--	--	--	--	--	--	--	
EB- 771	7S	1E	81	78-11-09	3.8	--	--	--	--	--	--	--	--	
EB- 778	7S	1E	94	78-11-14 79-05-29	160 160	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EB- 780A	7S	1E	94	78-11-14	780	--	--	--	--	--	--	--	--	
EB- 780B	7S	1E	94	78-11-09	360	--	--	--	--	--	--	--	--	
EB- 781	7S	1E	94	78-11-20 79-06-04	1920 1900	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	

Geologic unit (aquifer):--Continued

12112BR--"1200-foot" sand of Baton Rouge area, Pliocene age.

LOCAL IDENTIFIER				STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
EAST BATON ROUGE PARISH												
EB- 782A	7S	1E	94	302535091090402	12110BR	1189	78-11-17	1315	1730	--	--	--
					12110BR	1189	79-06-04	1130	1720	--	--	--
EB- 782B	7S	1E	94	302535091090403	12115BR	1681	78-11-17	1325	2260	--	--	--
					12115BR	1681	79-06-04	1120	1940	--	--	--
EB- 783A	7S	1W	54	302502091113601	12115BR	2179	78-11-13	1105	551	--	--	--
					12115BR	2179	79-05-31	1525	549	--	--	--
EB- 783B	7S	1W	54	302502091113602	12220BR	2675	78-11-13	1050	3430	--	--	--
					12220BR	2675	79-05-31	1520	3390	--	--	--
EB- 789A	7S	1E	93	302511091070401	11204BR	711	78-11-14	1240	1160	--	--	--
					11204BR	711	79-06-05	1205	1170	--	--	--
EB- 789B	7S	1E	93	302511091070402	12115BR	1721	78-11-14	1235	2980	--	--	--
					12115BR	1721	79-06-05	1220	3000	--	--	--
EB- 792B	7S	1E	95	302605091080602	12220BR	2286	78-11-15	1115	391	--	--	--
EB- 793	7S	1W	71	302719091103201	11206BR	687	78-11-20	1325	322	--	--	--
					11206BR	687	79-06-01	1335	317	--	--	--
EB- 794	7S	1W	52	302559091110801	12224BR	2709	78-11-13	1505	487	--	--	--
					12224BR	2709	79-05-31	1505	503	--	--	--
EB- 79A	6S	1W	39	303133091103101	12228BR	2647	79-06-12	0850	718	--	--	--
EB- 803A	8S	2E	5	302306091022601	12115BR	1975	78-12-20	1710	831	--	--	--
					12115BR	1975	79-06-11	1235	846	--	--	--
EB- 803B	8S	2E	5	302306091022602	12220BR	2565	78-12-20	0925	2000	--	--	--
					12220BR	2565	79-06-08	1200	1990	--	--	--
EB- 804A	7S	1E	70	302428091035001	12115BR	1950	78-11-29	1700	378	--	--	--
EB- 804B	7S	1E	70	302428091035002	12224BR	2762	78-11-29	1715	412	--	--	--
EB- 805	7S	1E	70	302428091035003	12110BR	1072	78-11-17	1020	13900	--	--	--
					12110BR	1072	79-06-05	1400	14100	--	--	--
EB- 806B	7S	1W	72	302702091103902	12224BR	2579	78-12-18	1505	395	--	--	--
EB- 807A	7S	1E	96	302611091091201	12115BR	1713	78-11-20	1555	1780	--	--	--
					12115BR	1713	79-06-08	0955	2020	--	--	--
EB- 807B	7S	1E	96	302611091091202	12220BR	2264	78-11-17	1725	374	--	--	--
					12220BR	2264	79-06-06	1005	372	--	--	--
EB- 817	7S	1W	74	302644091101801	12220BR	2284	78-11-09	0910	316	--	--	--
EB- 820	7S	1W	54	302510091105001	112SLBR	259	79-04-27	1250	524	--	--	--
EB- 822	7S	1W	54	302510091105003	11204BR	573	78-11-13	1320	2840	--	--	--
					11204BR	573	79-04-27	1250	2710	--	--	--
EB- 870	7S	1W	44	302729091100601	11206BR	692	78-11-16	0950	290	--	--	--
					11206BR	692	79-06-01	1230	297	--	--	--
EB- 894	8S	2E	5	302251091021201	112SLBR	519	78-12-27	1100	368	--	--	--
EB- 917	7S	1E	95	302614091083001	12115BR	1736	78-11-08	1530	301	--	--	--
					12115BR	1736	79-05-29	1215	305	--	--	--
EB- 918	7S	1E	91	302547091074401	12115BR	1834	78-11-14	1540	312	--	--	--
					12115BR	1834	79-06-05	1040	316	--	--	--
EB-1000	6S	1W	69	303251091115001	12228BR	2926	78-11-16	1140	843	--	--	--
					12228BR	2926	79-06-01	1055	832	--	--	--
EB-1012	8S	2E	39	302040090584701	11204BR	565	79-04-10	1700	1900	7.6	--	0
EB-1013	7S	1W	67	302434091103001	112SLBR	352	79-08-06	1130	808	7.1	20.5	10
EB-1014	7S	1W	67	302456091101301	112SLBR	334	79-08-06	1300	523	7.4	20.5	

Geologic unit (aquifer):--Continued

12115BR-"1500-foot" sand of Baton Rouge area, Pliocene age.
 12117BR-"1700-foot" sand of Baton Rouge area, Pliocene age.

LOCAL IDENT- IFIER			DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
EAST BATON ROUGE PARISH--Continued												
EB- 782A	7S	1E	94	78-11-17 79-06-04	14 15	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 782B	7S	1E	94	78-11-17 79-06-04	86 68	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 783A	7S	1W	54	78-11-13 79-05-31	2 4	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 783B	7S	1W	54	78-11-13 79-05-31	8 8	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 789A	7S	1E	93	78-11-14 79-06-05	22 28	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 789B	7S	1E	93	78-11-14 79-06-05	88 96	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 792B	7S	1E	95	78-11-15	0	--	--	--	--	--	--	--
EB- 793	7S	1W	71	78-11-20 79-06-01	0 7	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 794	7S	1W	52	78-11-13 79-05-31	24 28	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 798	6S	1W	39	79-06-12	4	--	--	--	--	--	--	--
EB- 803A	8S	2E	5	78-12-20 79-06-11	0 4	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 803B	8S	2E	5	78-12-20 79-06-08	20 26	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 804A	7S	1E	70	78-11-29	0	--	--	--	--	--	--	--
EB- 804B	7S	1E	70	78-11-29	0	--	--	--	--	--	--	--
EB- 805	7S	1E	70	78-11-17 79-06-05	1800 1800	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 806B	7S	1W	72	78-12-18	5	--	--	--	--	--	--	--
EB- 807A	7S	1E	96	78-11-20 79-06-08	18 25	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 807B	7S	1E	96	78-11-17 79-06-06	2 4	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 817	7S	1W	74	78-11-09	2	--	--	--	--	--	--	--
EB- 820	7S	1W	54	79-04-27	130	--	--	--	--	--	--	--
EB- 822	7S	1W	54	78-11-13 79-04-27	340 260	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 870	7S	1W	44	78-11-16 79-06-01	18 15	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 894	8S	2E	5	78-12-27	12	--	--	--	--	--	--	--
EB- 917	7S	1E	95	78-11-08 79-05-29	0 1	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB- 918	7S	1E	91	78-11-14 79-06-05	2 6	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB-1000	6S	1W	69	78-11-16 79-06-01	1 4	-- --	-- --	-- --	-- --	-- --	-- --	-- --
EB-1012	8S	2E	39	79-04-10	34	0	9.2	2.7	375	2.2	190	0 .2
EB-1013	7S	1W	67	79-08-06	300	0	74	27	70	1.8	510	0 .4
EB-1014	7S	1W	67	79-08-06	120	0	33	10	67	1.5	310	0 7.2

Geologic unit (aquifer)--Continued

122AMIT-Amite aquifer, Miocene age.

122HMND-Hammond aquifer, Miocene age.

12203FP-Zone 3 Florida Parishes and Pointe Coupee Parish, Miocene age.

LOCAL IDENT- IFIER		DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N03)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
EAST BATON ROUGE PARISH--Continued											
EB- 782A	7S 1E 94	78-11-17 79-06-04	420 440	--	--	--	--	--	--	--	--
EB- 782B	7S 1E 94	78-11-17 79-06-04	630 480	--	--	--	--	--	--	--	--
EB- 783A	7S 1W 54	78-11-13 79-05-31	56 56	--	--	--	--	--	--	--	--
EB- 783B	7S 1W 54	78-11-13 79-05-31	760 760	--	--	--	--	--	--	--	--
EB- 789A	7S 1F 93	78-11-14 79-06-05	250 260	--	--	--	--	--	--	--	--
EB- 789B	7S 1E 93	78-11-14 79-06-05	840 850	--	--	--	--	--	--	--	--
EB- 792B	7S 1E 95	78-11-15	3.2	--	--	--	--	--	--	--	--
EB- 793	7S 1W 71	78-11-20 79-06-01	2.4 1.8	--	--	--	--	--	--	--	--
EB- 794	7S 1W 52	78-11-13 79-05-31	10 12	--	--	--	--	--	--	--	--
EB- 798	6S 1W 39	79-06-12	68	--	--	--	--	--	--	--	--
EB- 803A	8S 2E 5	78-12-20 79-06-11	76 100	--	--	--	--	--	--	--	--
EB- 803B	8S 2E 5	78-12-20 79-06-08	500 490	--	--	--	--	--	--	--	--
EB- 804A	7S 1E 70	78-11-29	.8	--	--	--	--	--	--	--	--
EB- 804B	7S 1E 70	78-11-29	2.5	--	--	--	--	--	--	--	--
EB- 805	7S 1E 70	78-11-17 79-06-05	4700 4800	--	--	--	--	--	--	--	--
EB- 806B	7S 1W 72	78-12-18	1.0	--	--	--	--	--	--	--	--
EB- 807A	7S 1E 96	78-11-20 79-06-08	430 520	--	--	--	--	--	--	--	--
EB- 807B	7S 1E 96	78-11-17 79-06-06	4.0 3.7	--	--	--	--	--	--	--	--
EB- 817	7S 1W 74	78-11-09	4.0	--	--	--	--	--	--	--	--
EB- 820	7S 1W 54	79-04-27	7.2	--	--	--	--	--	--	--	--
EB- 822	7S 1W 54	78-11-13 79-04-27	840 760	--	--	--	--	--	--	--	--
EB- 870	7S 1W 44	78-11-16 79-06-01	1.0 2.2	--	--	--	--	--	--	--	--
EB- 894	8S 2E 5	78-12-27	12	--	--	--	--	--	--	--	--
EB- 917	7S 1E 95	78-11-08 79-05-29	2.1 1.5	--	--	--	--	--	--	--	--
EB- 918	7S 1E 91	78-11-14 79-06-05	2.0 1.3	--	--	--	--	--	--	--	--
EB-1000	6S 1W 69	78-11-16 79-06-01	100 100	--	--	--	--	--	--	--	--
EB-1012	8S 2E 39	79-04-10	490	.2	--	40	1030	1010	.38	380	80
EB-1013	7S 1W 67	79-08-06	15	.2	--	34	489	474	.60	1500	220
EB-1014	7S 1W 67	79-08-06	13	.2	--	39	333	324	.50	550	210

Geologic unit (aquifer):--Continued

12220BR--"2000-foot" sand of Baton Rouge area, Miocene age.
 12224BR--"2400-foot" sand of Baton Rouge area, Miocene age.

LOCAL IDENT- I- FIER				STATION	NUMBER	GEO- LOGIC UNIT	DEPTH OF WELL- TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALT UNITS)
EAST BATON ROUGE PARISH													
EP-1015	8S	1W	74	302238091102501		112MRVA	171	79-05-31	1330	993	7.2	--	--
Ed-1016	7S	1E	62	302537091033301		11206BR	535	79-06-11	1545	247	7.0	22.5	0
EB-1019	6S	2E	52	302919091020501		11206BR	700	79-09-14	1115	239	--	--	--
EAST FELICIANA PARISH													
EF- 254	2S	1W	36	305213091112701		12228BR	1728	78-10-19	1030	511	8.6	30.0	15
EF- 257	3S	1E	67	304827091000901		12228BR	2176	78-10-19	0915	389	8.3	32.5	15
IBERVILLE PARISH													
IH- 39B	7S	10E	3H	302520091261501		12220BR	2504	78-12-21	1300	1170	--	--	--
IB- 19H	7S	9E	29	302426091310401		12220BR	2246	78-12-21	1130	431	--	--	--
IR- 231	9S	13E	3	301541091073101		112MRVA	370	79-06-21	--	1190	7.4	--	--
IR- 232	9S	13E	3	301539091072801		112MRVA	370	79-06-21	0940	1530	7.5	21.0	--
JEFFERSON DAVIS PARISH													
JD- 195	10S	4W	18	301058092484701		112CHCT	157	79-05-10	1030	446	6.4	--	--
JD- 505	10S	6W	3	301258092584401		112CHCT	321	79-06-12	1350	1390	--	--	--
JD- 595	9S	6W	36	301350092561301		112CHCT	280	79-07-02	1135	629	--	--	--
JD- 596	10S	3W	16	301046092402001		112CHCT	285	79-05-10	1230	538	6.5	23.0	--
						112CHCT	285	79-07-02	1225	533	--	--	--
LAFAYETTE PARISH													
LF- 604A	10S	5E	49	301105091591701		112CHCTU	106	79-01-08	1030	5970	6.5	21.0	--
LF- 604H	10S	5E	49	301105091591702		112CHCTU	216	79-01-15	1400	6140	6.4	21.5	5
LF- 617	10S	5E	28	300847091573904		112CHCTL	930	79-05-25	1400	1120	--	24.0	--
						112CHCTL	930	79-05-25	1430	1120	7.6	24.0	0
LF- 626A	10S	5E	57	300956091574201		112CHCTL	894	78-10-06	1450	497	7.5	24.0	5
LF- 626B	10S	5E	57	300956091574202		112CHCTL	684	78-10-13	1630	--	--	23.0	--
						112CHCTL	684	78-10-16	1400	596	--	23.0	5
LF- 627A	10S	4E	18	301026092053102		112CHCTL	670	78-11-15	1315	422	7.4	23.5	0
LF- 627B	10S	4E	18	301026092053101		112CHCTL	974	78-11-08	1330	425	7.4	25.0	0
LF- 627C	10S	4E	18	301026092053103		112CHCTU	410	78-11-20	1320	450	7.7	22.5	5
LF- 628	10S	4E	70	300905092030501		112CHCTU	106	79-05-22	1145	279	6.3	21.0	5
LIVINGSTON PARISH													
LI- 5A	6S	6E	40	303006090350001		12203FP	1913	78-10-31	1430	245	7.9	31.0	--
LI- 177	6S	6E	28	302940090360601		120CVGN	1777	78-10-31	1100	252	7.9	27.0	0
LI- 178	6S	6E	27	303003090354101		120TCFC	1900	78-10-31	1200	263	8.0	28.0	0
LI- 179	6S	6E	27	302946090351501		120TCFC	2021	78-10-31	1330	234	7.7	27.0	0
LI- 184A	6S	6E	40	303005090345801		122AMIT	2930	79-05-21	1045	515	9.1	33.5	10
LI- 184B	6S	6E	40	303005090345802		122HMND	2459	79-05-29	1400	218	7.8	32.0	10
LI- 186A	6S	6E	40	303005090345803		12117BR	1670	79-06-07	1445	264	8.3	28.0	10
LI- 186B	6S	6E	40	303005090345804		121PNCLL	1039	79-06-15	1130	191	6.7	25.0	5
ST. HELENA PARISH													
SH- 7	4S	6E	51	304051090385401		12203FP	2082	78-10-25	1145	337	8.9	30.0	0

Geologic unit (aquifer):--Continued

12228BR--"2800-foot" sand of Baton Rouge area, Miocene age.

LOCAL IDENT- I- FIER				DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
EAST BATON ROUGE PARISH--Continued													
EB-1015	BS	1W	74	79-05-31	480	--	--	--	--	--	--	--	--
EB-1016	7S	1E	62	79-06-11	13	0	3.2	1.2	51	1.4	130	0	11
EB-1019	6S	2E	52	79-09-14	17	--	--	--	--	--	--	--	--
EAST FELICIANA PARISH--Continued													
EF- 254	2S	1W	36	78-10-19	0	0	.0	.0	120	1.0	300	5	6.8
EF- 257	3S	1E	67	78-10-19	2	0	.5	.2	94	.9	230	1	8.8
IBERVILLE PARISH--Continued													
IB- 39B	7S	10E	38	78-12-21	9	--	--	--	--	--	--	--	--
IB- 198	7S	9E	29	78-12-21	0	--	--	--	--	--	--	--	--
IB- 231	9S	13E	3	79-06-21	98	--	--	--	--	--	--	--	--
IB- 232	9S	13E	3	79-06-21	78	--	--	--	--	--	--	--	--
JEFFERSON DAVIS PARISH--Continued													
JD- 195	10S	4W	18	79-05-10	160	--	--	--	--	--	--	--	--
JD- 505	10S	6W	3	79-06-12	--	--	--	--	--	--	--	--	--
JD- 595	9S	6W	36	79-07-02	--	--	--	--	--	--	--	--	--
JD- 596	10S	3W	16	79-05-10 79-07-02	160 --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
LAFAYETTE PARISH--Continued													
LF- 604A	10S	5E	49	79-01-08	770	--	--	--	--	--	--	--	78
LF- 604B	10S	5E	49	79-01-15	1100	1000	250	110	830	12	77	0	95
LF- 617	10S	5E	28	79-05-25 79-05-25	-- 47	-- 0	-- 14	-- 2.9	-- 220	-- 2.3	-- 330	-- 0	-- .0
LF- 626A	10S	5E	57	78-10-06	92	0	22	9.0	80	2.4	300	0	.0
LF- 626B	10S	5E	57	78-10-13 78-10-16	87 88	-- 0	-- 22	-- 8.0	-- 100	-- 2.9	-- 340	-- 0	-- .0
LF- 627A	10S	4E	18	78-11-15	140	0	36	11	41	2.2	270	0	.0
LF- 627B	10S	4E	18	78-11-08	140	0	37	12	40	1.8	260	0	.0
LF- 627C	10S	4E	18	78-11-20	170	0	50	12	30	2.1	280	0	.0
LF- 628	10S	4E	70	79-05-22	88	0	24	6.8	24	2.1	150	0	.0
LIVINGSTON PARISH--Continued													
LI- 58	6S	6E	40	78-10-31	0	--	--	--	--	--	--	--	--
LI- 177	6S	6E	28	78-10-31	1	0	.2	.1	58	.6	140	0	8.2
LI- 178	6S	6E	27	78-10-31	0	0	.0	.0	60	.6	150	0	11
LI- 179	6S	6E	27	78-10-31	0	0	.0	.0	54	.6	130	0	4.4
LI- 184A	6S	6E	40	79-05-21	0	0	.0	.0	120	.7	260	24	.8
LI- 184B	6S	6E	40	79-05-29	0	0	.0	.0	50	.4	120	0	6.6
LI- 186A	6S	6E	40	79-06-07	0	0	.0	.0	60	.4	140	0	12
LI- 186B	6S	6E	40	79-06-15	24	0	5.2	2.7	31	2.6	100	0	1.8
ST. HELENA PARISH--Continued													
SH- 7	4S	6E	51	78-10-25	2	0	.3	.3	78	.5	190	1	6.4

LOCAL IDENT- I- FIER					DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
EAST BATON ROUGE PARISH--Continued														
EH-1015	8S	1W	74	79-05-31	11	--	--	--	--	--	--	--	13000	150
ER-1016	7S	1E	62	79-06-11	3.0	.2	--	54	188	189	.13	260	82	
EH-1019	6S	2E	52	79-09-14	5.2	--	--	--	--	--	--	--	--	--
EAST FELICIANA PARISH--Continued														
EF- 254	2S	1W	36	78-10-19	2.7	.7	--	17	311	301	.28	30	0	
EF- 257	3S	1E	67	78-10-19	1.5	.5	--	17	240	238	.35	40	0	
IBERVILLE PARISH--Continued														
IB- 39H	7S	10E	38	78-12-21	220	--	--	--	--	--	--	--	--	--
IB- 19H	7S	9E	29	78-12-21	4.1	--	--	--	--	--	--	--	--	--
IB- 231	9S	13E	3	79-06-21	160	--	--	--	--	--	--	--	--	--
IB- 232	9S	13E	3	79-06-21	130	--	--	--	--	--	--	--	--	--
JEFFERSON DAVIS PARISH--Continued														
JD- 195	10S	4W	18	79-05-10	46	--	.2	--	--	--	--	--	2000	300
JD- 505	10S	6W	3	79-06-12	280	--	--	--	--	--	--	--	--	--
JD- 595	9S	6W	36	79-07-02	76	--	--	--	--	--	--	--	--	--
JD- 596	10S	3W	16	79-05-10 79-07-02	56 56	-- --	.2 --	-- --	-- --	-- --	-- --	-- --	610 --	180 --
LAFAYETTE PARISH--Continued														
LF- 604A	10S	5E	49	79-01-08	1800	--	--	--	--	--	--	--	--	5300
LF- 604B	10S	5E	49	79-01-15	1900	.1	--	34	3770	3340	.65	65000	4200	
LF- 617	10S	5E	28	79-05-25 79-05-25	180 180	-- .3	-- .5	-- 36	-- 628	-- 619	-- .14	-- 0	-- 30	--
LF- 626A	10S	5E	57	78-10-06	14	.3	--	35	308	311	.31	300	60	
LF- 626B	10S	5E	57	78-10-13 78-10-16	-- 19	-- .4	-- --	-- 32	-- 372	-- 352	-- .25	-- 100 320	-- 70	--
LF- 627A	10S	4E	18	78-11-15	4.7	.4	--	34	258	263	.20	440	72	
LF- 627B	10S	4E	18	78-11-08	4.6	.5	.2	37	258	263	.14	330	65	
LF- 627C	10S	4E	18	78-11-20	6.0	.2	--	38	274	277	1.0	660	120	
LF- 628	10S	4E	70	79-05-22	11	.3	.1	41	187	185	.00	1600	310	
LIVINGSTON PARISH--Continued														
LI- 58	6S	6E	40	78-10-31	3.0	--	--	--	--	--	--	--	20	--
LI- 177	6S	6E	28	78-10-31	2.8	.1	--	34	176	173	.14	40	20	
LI- 178	6S	6E	27	78-10-31	1.0	.2	--	34	177	181	.19	70	30	
LI- 179	6S	6E	27	78-10-31	3.8	.2	--	46	171	173	.15	20	0	
LI- 184A	6S	6E	40	79-05-21	1.0	.5	--	23	327	298	.10	40	0	
LI- 184B	6S	6E	40	79-05-29	2.2	.3	--	74	201	193	.06	470	0	
LI- 186A	6S	6E	40	79-06-07	1.0	.2	--	32	177	175	.08	40	20	
LI- 186B	6S	6E	40	79-06-15	4.2	.2	--	58	159	156	.10	820	190	
ST. HELENA PARISH--Continued														
SH- 7	4S	6E	51	78-10-25	1.6	.4	--	24	210	206	.30	20	0	

LOCAL IDENTIFIER				STATION NUMBER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-CORAL T UNITS)	
ST. JAMES PARISH													
SJ-	18	12S	4E	40	300043090472701	112GRMC	285	79-05-01	1625	1000	--	--	--
SJ-	19	12S	4E	39	300054090473101	112GRMC	290	79-05-01	1610	964	--	--	--
SJ-	24	12S	16E	8	295906090502001	112GRMC	281	79-05-01	1230	705	6.9	21.0	--
SJ-	41	11S	3E	38	300449090520201	112NORC	441	78-12-18	0850	918	--	--	--
SJ-	163	11S	5E	190	300343090395901	112GRMC	265	79-05-01	1420	2990	7.5	--	--
SJ-	166	12S	16E	12	300047090503701	112GRMC	242	79-05-01	1115	599	6.7	21.0	--
SJ-	167	12S	16E	80	300140090503701	112GRMC	295	79-05-01	1110	556	6.6	20.0	--
SJ-	173	12S	16E	9	295938090505001	112GRMC	342	78-12-18	0930	1220	--	--	--
SJ-	179	11S	15E	47	300458090550201	112MRVA	180	79-05-01	1030	--	6.7	21.0	0
SJ-	181	11S	5E	190	300312090400701	112GRMC	269	79-05-01	1455	481	7.3	--	--
SJ-	186	11S	5E	43	300433090403701	112GRMC	230	79-05-01	1520	1310	7.1	--	--
SJ-	206	11S	5E	190	300325090394701	112GRMC	244	79-05-01	1430	744	7.3	20.0	--
ST. JOHN THE BAPTIST PARISH													
SJB-	155	11S	5E	44	300316090393201	112GRMC	260	79-05-01	1445	431	7.0	--	--
SJB-	157	11S	5E	190	300329090394001	112GRMC	288	79-05-01	1440	989	7.4	--	--
SJB-	165	10S	8E	5	301247090245901	12203FP	3000	79-08-21	1300	773	--	--	--
ST. MARTIN PARISH													
SMN-	103	9S	6E	88	301308091521001	112ACFL	142	78-11-28	--	648	7.1	--	0
SMN-	104	9S	7E	36	301304091424001	112CHCT	515	79-04-04	1600	1750	--	21.5	--
SMN-	109	9S	7E	36	301304091424002	112CHCTU	380	79-04-04	1615	1090	--	21.5	--
WEST BATON ROUGE PARISH													
WBR-	35	7S	12E	68	302657091124201	12112BR	1290	79-01-03	0900	308	--	--	--
WBR-	36	7S	12E	69	302610091121101	12112BR	1360	78-12-28	0905	792	--	--	--
						12112BR	1360	79-06-07	0900	698	--	--	--
WBR-	37	7S	12E	69	302613091121501	12112BR	1356	78-12-28	0910	777	--	--	--
						12112BR	1356	79-06-07	0910	757	--	--	--
WBR-	97B	7S	12E	70	302546091131402	12115BR	2200	78-11-10	1205	488	--	--	--
						12115BR	2200	79-05-29	1445	525	--	--	--
WBR-	100A	7S	12E	68	302652091121401	12117BR	1888	79-01-05	1135	320	--	--	--
WBR-	100B	7S	12E	68	302652091121402	12224BR	2448	79-01-04	1425	362	--	--	--
WBR-	101	7S	12E	91	302726091145501	12112BR	1367	78-11-16	1425	308	--	--	--
WBR-	102A	7S	12E	7	302806091172601	12112BR	1288	78-11-28	1100	272	--	--	--
WBR-	102B	7S	12E	7	302806091172602	12220BR	2100	78-11-28	1220	370	--	--	--
WBR-	106	7S	12E	93	302703091133703	12220BR	2017	79-06-05	1555	418	--	--	--
WBR-	111	7S	12E	70	302550091124101	12220BR	2650	79-01-05	1220	632	--	--	--
WBR-	112	7S	12E	70	302550091124102	12115BR	2205	78-12-29	0800	546	--	--	--
						12115BR	2205	79-06-07	0755	537	--	--	--
WBR-	113	7S	12E	70	302547091123201	12115BR	2242	78-12-29	0800	855	--	--	--
						12115BR	2242	79-06-07	0800	850	--	--	--

[illegible]

LOCAL IDENTIFIER					DATE OF SAMPLE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	BROMIDE, DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
ST. JAMES PARISH--Continued														
SJ-	18	12S	4E	40	79-05-01	41	--	--	--	--	--	--	--	--
SJ-	19	12S	4E	39	79-05-01	71	--	--	--	--	--	--	--	--
SJ-	24	12S	16E	8	79-05-01	100	--	--	--	--	--	--	--	--
SJ-	41	11S	3E	38	78-12-18	160	--	--	--	--	--	--	--	--
SJ-	163	11S	5E	190	79-05-01	800	--	--	--	--	--	--	--	--
SJ-	166	12S	16E	12	79-05-01	5.6	--	--	--	--	--	--	9700	--
SJ-	167	12S	16E	80	79-05-01	7.0	--	--	--	--	--	--	--	--
SJ-	173	12S	16E	9	78-12-18	140	--	--	--	--	--	--	--	--
SJ-	179	11S	15E	47	79-05-01	20	.1	--	30	--	--	.34	11000	440
SJ-	181	11S	5E	190	79-05-01	27	--	--	--	--	--	--	--	--
SJ-	186	11S	5E	43	79-05-01	100	--	--	--	--	--	--	--	--
SJ-	206	11S	5E	190	79-05-01	91	--	--	--	--	--	--	--	--
ST. JOHN THE BAPTIST PARISH--Continued														
SJB-	155	11S	5E	44	79-05-01	23	--	--	--	--	--	--	--	--
SJR-	157	11S	5F	190	79-05-01	150	--	--	--	--	--	--	--	--
SJB-	165	10S	8E	5	79-08-21	32	--	--	--	--	--	--	--	--
ST. MARTIN PARISH--Continued														
SMN-	103	9S	6E	88	78-11-28	4.0	.2	.1	36	380	378	.43	800	440
SMN-	108	9S	7E	36	79-04-04	280	--	.8	--	--	--	--	--	--
SMN-	109	9S	7E	36	79-04-04	96	--	.3	--	--	--	--	--	--
WEST BATON ROUGE PARISH--Continued														
WBR-	35	7S	12E	68	79-01-03	1.8	--	--	--	--	--	--	--	--
WBR-	36	7S	12E	69	78-12-28 79-06-07	120 100	--	--	--	--	--	--	--	--
WBR-	37	7S	12E	69	78-12-28 79-06-07	120 120	--	--	--	--	--	--	--	--
WBR-	97B	7S	12E	70	78-11-10 79-05-29	47 58	--	--	--	--	--	--	--	--
WBR-	100A	7S	12E	68	79-01-05	3.2	--	--	--	--	--	--	--	--
WBR-	100B	7S	12E	68	79-01-04	2.1	--	--	--	--	--	--	--	--
WBR-	101	7S	12E	91	78-11-16	2.6	--	--	--	--	--	--	--	--
WBR-	102A	7S	12E	7	78-11-28	4.1	--	--	--	--	--	--	--	--
WBR-	102B	7S	12E	7	78-11-28	1.4	--	--	--	--	--	--	--	--
WBR-	106	7S	12E	93	79-06-05	.3	--	--	--	--	--	--	--	--
WBR-	111	7S	12E	70	79-01-05	4.6	--	--	--	--	--	--	--	--
WBR-	112	7S	12E	70	78-12-29 79-06-07	56 54	--	--	--	--	--	--	--	--
WBR-	113	7S	12E	70	78-12-29 79-06-07	120 120	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

WEST BATON ROUGE PARISH										
LOCAL IDENT- I- FIER	STATION NUMBER		GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORAL UNITS)
WBR- 114	8S 12E	5	302421091134402	12115BR 2146	78-12-29 79-06-07	1310 0825	487 562	-- --	-- --	-- --
WBR- 136	7S 12E	21	302712091145701	12112BR	78-12-29	0915	291	--	--	--
WBR- 146	7S 12E	119	302853091150201	11204BR	78-11-16	1255	297	--	--	--
WBR- 147	7S 12E	70	302559091122001	12110BR	78-11-29	1345	2900	--	--	--
WBR- 148	7S 11E	23	302702091185101	12112BR	78-11-10	1410	351	--	--	--
WBR- 154	6S 11E	35	303002091185801	12112BR 12112BR 12112BR	78-12-05 79-02-02 79-02-05	1030 1430 1300	205 203 207	6.5 6.5 6.5	27.0 26.5 26.0	5 -- --
WBR- 161	6S 12E	50	302958091124802	11206BR	79-09-11	1615	289	--	--	--

LOCAL IDENT- I- FIER			DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAP- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
WEST BATON ROUGE PARISH--Continued												
WBR- 114	8S 12E	5	78-12-29	1	--	--	--	--	--	--	--	--
			79-06-07	2	--	--	--	--	--	--	--	--
WBR- 136	7S 12E	21	78-12-29	1	--	--	--	--	--	--	--	--
WBR- 146	7S 12E	119	78-11-16	42	--	--	--	--	--	--	--	--
WBR- 147	7S 12E	70	78-11-29	36	--	--	--	--	--	--	--	--
WBR- 148	7S 11E	23	78-11-10	0	--	--	--	--	--	--	--	--
WBR- 154	6S 11E	35	78-12-05	13	0	3.3	1.2	40	2.0	100	0	8.0
			79-02-02	13	--	--	--	--	--	--	--	--
			79-02-05	13	--	--	--	--	--	--	--	--
WBR- 161	6S 12E	50	79-09-11	16	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER			DATE OF SAMPLE	CHLOR- RIDE, DIS- SOLVED (MG/L AS CL)	FLUOR- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
WEST BATON ROUGE PARISH--Continued												
WBR- 114	8S 12E	5	78-12-29 79-06-07	54 77	--	--	--	--	--	--	--	--
WBR- 136	7S 12E	21	78-12-29	2.8	--	--	--	--	--	--	--	--
WBR- 146	7S 12E	119	78-11-16	3.8	--	--	--	--	--	--	190	170
WBR- 147	7S 12E	70	78-11-29	770	--	--	--	--	--	--	--	--
WBR- 148	7S 11E	23	78-11-10	1.8	--	--	--	--	--	--	--	--
WBR- 154	6S 11E	35	78-12-05	5.3	.3	--	60	175	171	.10	1200	10
			79-02-02	4.8	--	--	--	--	--	--	1700	--
			79-02-05	5.2	--	--	--	--	--	--	2000	--
WBR- 161	6S 12E	.50	79-09-11	3.8	--	--	--	--	--	--	--	--

QUALITY OF GROUND WATER

457

MINOR ELEMENTS, OCTOBER 1978 TO SEPTEMBER 1979

LOCAL IDENT- I- FIELD				STATION	NUMBER	DATE OF SAMPLE	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)	SULFIDE TOTAL (MG/L AS S)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
CALCASIEU PARISH												
CU- 970	11S	5W	18	300534092564401	79-08-02	--	--	--	--	--	--	5.0
CU-1027	10S	8W	15	301104093102201	79-02-12	--	--	.0	.0	.0	--	--
CU-1028	10S	8W	11	301156093094501	79-02-12	--	--	.0	.0	.0	--	--
CU-1029	10S	8W	14	301128093090601	79-02-12	--	--	.0	.0	.0	--	--
CU-1030	10S	8W	15	301103093103001	79-02-13	--	--	.0	.0	.0	--	--
LAFAYETTE PARISH												
LF- 628	10S	4E	70	300905092030501	79-05-22	.0	.0	--	--	--	--	--

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1 2.54×10^{-2}	millimeters (mm) 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 4.047×10^{-1}	square meters (m^2) square hectometers (hm^2)
square miles (mi^2)	4.047×10^{-3} 2.590×10^0	square kilometers (km^2) square kilometers (km^2)
<i>Volume</i>		
gallons (gal)	3.785×10^0 3.785×10^0 3.785×10^{-3}	liters (L) cubic decimeters (dm^3) cubic meters (m^3)
million gallons	3.785×10^3 3.785×10^{-3}	cubic meters (m^3) cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^1 2.832×10^{-2}	cubic decimeters (dm^3) cubic meters (m^3)
cfs-days	2.447×10^3 2.447×10^{-3}	cubic meters (m^3) cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^3 1.233×10^{-3} 1.233×10^{-6}	cubic meters (m^3) cubic hectometers (hm^3) cubic kilometers (km^3)
<i>Flow</i>		
cubic feet per second (ft^3/s)	2.832×10^1 2.832×10^1 2.832×10^{-2}	liters per second (L/s) cubic decimeters per second (dm^3/s) cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2} 6.309×10^{-2} 6.309×10^{-5}	liters per second (L/s) cubic decimeters per second (dm^3/s) cubic meters per second (m^3/s)
million gallons per day	4.381×10^1 4.381×10^{-2}	cubic decimeters per second (dm^3/s) 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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