Water Resources Data for Louisiana

Volume 3. Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT **LA-79-3**

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

1978

OCTOBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
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NOVEMBER

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DECEMBER

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1979

JANUARY

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FEBRUARY

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MARCH

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APRIL

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MAY

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JUNE

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JULY

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AUGUST

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SEPTEMBER

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9	10	11	12	13	14	15
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Water Resources Data for Louisiana

Volume 3. Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-79-3

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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P.O. Box 66492
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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16. Abstract (Limit: 200 words)

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 records for water discharge at 78 gaging stations (including stage for 72 of these stations); stage only for 42 gaging stations and 10 lakes; contents for 1 reservoir; water quality for 146 surface-water stations (including 22 gaging stations, 52 miscellaneous sites, and 24 lakes), and 335 wells; and water levels for 685 observation wells. Also included are data for 212 crest-stage and flood profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. Records for a few pertinent stations in bordering States are also included in this report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

17. Document Analysis a. Descriptors

*Louisiana, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

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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 Aguillard, 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 ± 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 ± 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 ± 1.0°C on M-enterrococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

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

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as 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 (FT^3/s, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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

Mean discharge (MEAN) is the arithmetic 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-O, 4-endo-exo-5, 8-dimethano-naphthanene.

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

DDD (combination of ortho and para isomers)

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

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

DDE (combination of ortho and para isomers)

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

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

DDT (combination of ortho and para isomers)

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

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

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

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

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

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

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

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

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

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

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

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

Methyl trithion phosphorodithioic acid S- (p-chlorophenyl)thio methyl O,O-dimethyl ester.

Methyoxychlor 1,1,1-trichloro-2,2-bis (p-methyoxyphenyl)-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-bia(ethylamino)-5-triazine.

2,4-D 2,4-dichlorophenozyacetic 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 flood producers in the aquatic environment, and are commonly know 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 napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene 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 emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

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

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

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

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

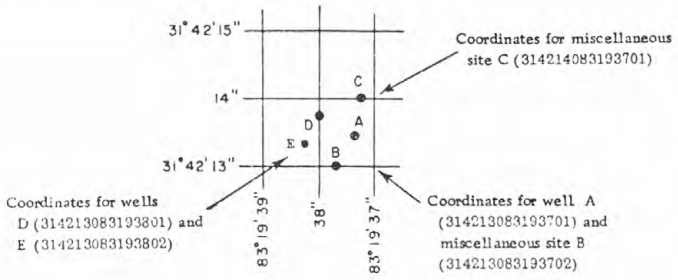

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

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 radio-isotopes. 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 unti 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.
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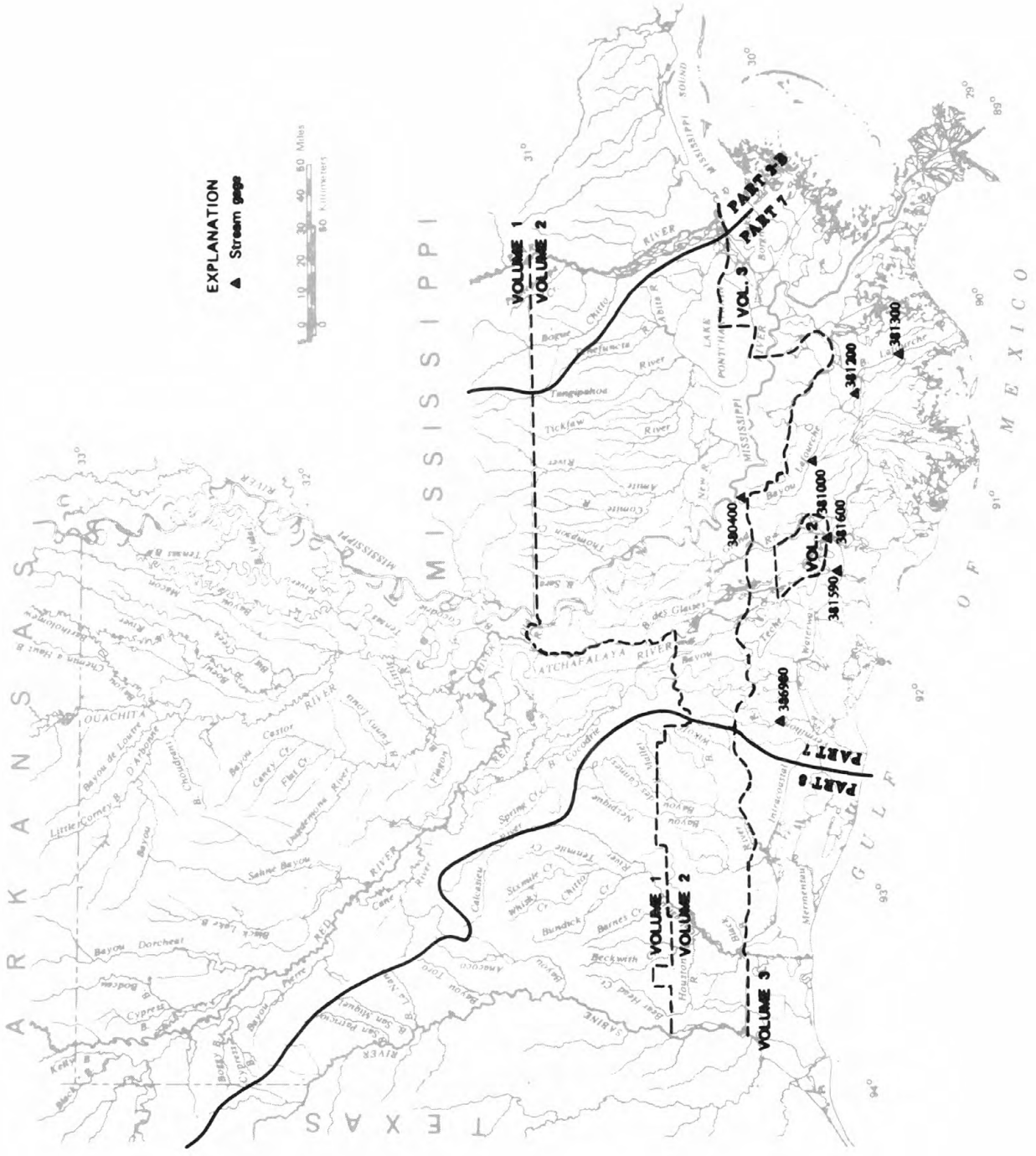

Figure 2. — Location of continuous gaging stations.

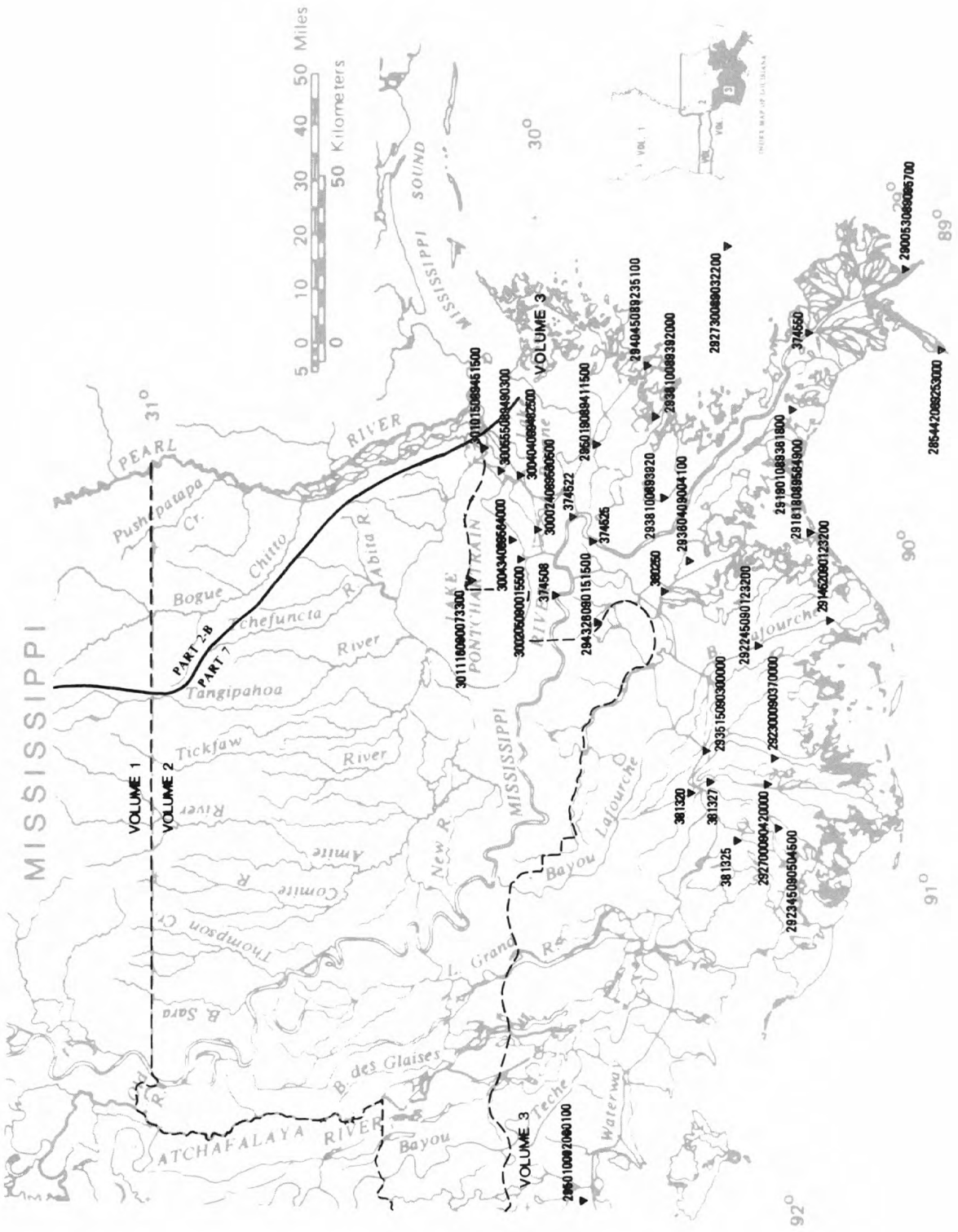

Figure 3.— Location of water-quality stations.

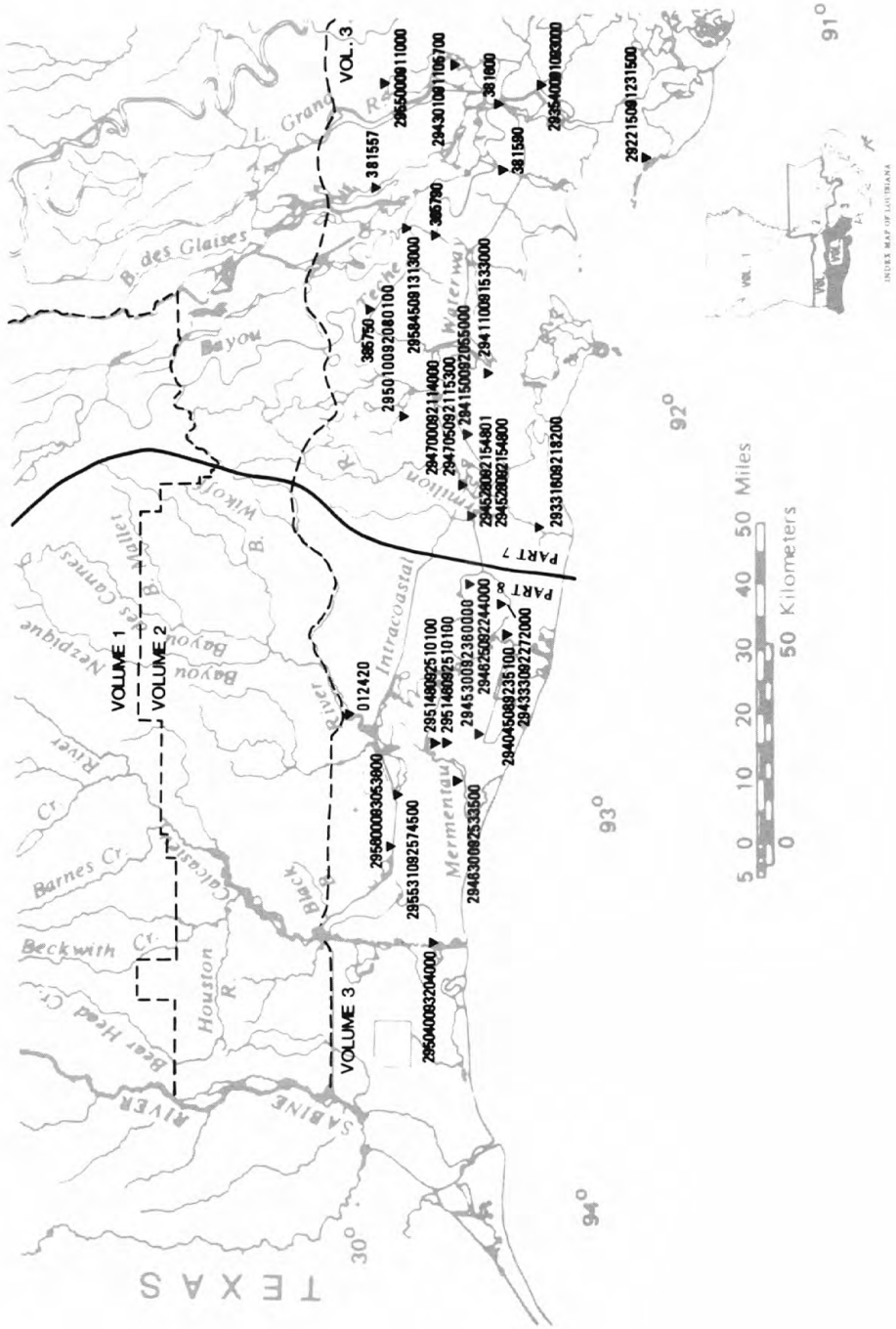

Figure 4.— Location of water-quality stations.

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

LOCATION.--Lat 29°57'03", long 90°08'17", Jefferson-Orleans Parish line, Hydrologic Unit 08090100, at Carrollton Street Municipal Water Plant intakes, and at mile 103.8 (167.0 km).

DRAINAGE AREA.--1,129,900 mi^2 (2,926,400 km^2), arbitrarily determined.

PERIOD OF RECORD.--Water years 1905-06, 1951-52, 1954-55, 1967 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1954 to September 1955, October 1968 to current year.
pH: October 1976 to current year.
WATER TEMPERATURES: August 1954 to September 1955, November 1970 to current year.
DISSOLVED OXYGEN: October 1968 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1968.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 630 micromhos Sep. 20, 1969; minimum, 200 micromhos May 1, 1975.
pH: Maximum, 7.9 units several days during fall and winter 1976 and 1979; minimum, 7.1 units Dec. 22, 23, 24, 1978.
WATER TEMPERATURES: Maximum, 32.0°C July 27-Aug. 2, 1977; minimum, 1.5°C Feb. 6-14, 1978.
DISSOLVED OXYGEN: Maximum, 13.9 mg/L Feb. 23, 24, 1976; minimum, 3.8 mg/L July 23, Aug. 1, 1969, Aug. 26, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 470 micromhos July 14; minimum, 230 micromhos Apr. 17.
pH: Maximum, 7.9 units several days during Aug.; minimum, 7.1 units Dec. 22, 23, 24.
WATER TEMPERATURES: Maximum, 29.5°C Aug. 5, 23, 24; minimum, 3.0°C several days during Feb.
DISSOLVED OXYGEN: Maximum, 12.6 mg/L Feb. 2, 3, 5, 6, 12, 13, 14; minimum, 5.3 mg/L Aug. 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, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT										
24...	1615	493	7.6	20.0	5	30	8.5	1.6	--	440
NOV										
08...	0930	538	7.2	19.5	10	10	8.6	2.2	K280	K20
DEC										
13...	1600	408	7.8	10.0	5	130	8.5	1.5	--	--
JAN										
09...	1600	311	7.7	5.0	15	110	12.7	4.2	440	660
FEB										
06...	1100	274	7.6	3.5	25	140	13.0	3.9	K170	K900
MAR										
07...	1630	309	7.3	8.0	50	230	10.4	2.8	--	1300
APR										
12...	0830	296	7.3	17.0	40	95	7.5	2.8	320	270
MAY										
09...	1300	301	7.2	18.0	15	70	8.3	3.7	K190	<10
JUN										
13...	1300	374	7.4	23.5	5	60	7.4	4.9	260	260
JUL										
17...	0900	443	7.2	27.0	15	55	6.2	1.9	--	310
AUG										
07...	1530	408	7.7	29.0	5	75	6.3	--	270	--
SEP										
05...	1400	427	7.5	29.5	15	15	7.4	2.7	K300	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).

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
OCT 24...	180	54	49	15	29	25	.9	--	4.0
NOV 08...	200	67	53	16	32	26	1.0	--	3.7
DEC 13...	140	40	36	11	24	27	.9	--	3.6
JAN 09...	110	30	30	8.9	15	22	.6	--	3.0
FEB 06...	99	34	27	7.6	12	21	.5	--	2.0
MAR 07...	110	38	28	10	16	23	.7	--	2.2
APR 12...	110	34	29	8.7	--	--	--	--	--
MAY 09...	130	37	35	9.7	11	15	.4	--	3.0
JUN 13...	130	44	35	11	22	26	.8	25	2.9
JUL 17...	160	41	41	13	26	26	.9	30	3.6
AUG 07...	150	41	40	12	24	25	.9	27	3.4
SEP 05...	170	44	44	14	25	24	.8	31	6.2

DATE	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 24...	159	0	130	6.4	69	24	.4	9.5	288
NOV 08...	160	0	131	16	87	36	.5	7.0	326
DEC 13...	116	0	95	2.9	63	23	.3	5.6	234
JAN 09...	99	0	81	3.2	41	19	.2	6.7	176
FEB 06...	79	0	65	3.2	36	15	.2	6.2	162
MAR 07...	90	0	74	7.2	42	17	.2	6.3	181
APR 12...	90	0	74	7.2	35	11	--	--	--
MAY 09...	110	0	90	11	37	14	.2	6.4	183
JUN 13...	108	0	89	6.9	55	22	.2	5.6	215
JUL 17...	140	0	110	14	58	28	.4	6.3	263
AUG 07...	130	0	110	4.2	55	30	.3	6.1	230
SEP 05...	150	0	123	7.6	61	19	.3	6.9	265

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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 24...	278	.39	1.4	.81	2.2	9.8	.27	--	--
NOV 08...	314	.44	1.1	.61	1.7	7.6	.24	--	--
DEC 13...	224	.32	1.2	.96	2.2	9.6	.49	--	--
JAN 09...	173	.24	1.0	.67	1.7	7.4	.27	--	--
FEB 06...	145	.22	1.0	.76	1.8	7.8	.00	--	--
MAR 07...	166	.25	1.0	1.1	2.1	9.3	.11	--	--
APR 12...	--	--	--	--	--	--	--	--	--
MAY 09...	171	.25	2.0	.84	2.8	13	.22	.67	.67
JUN 13...	207	.29	1.4	.45	1.9	8.2	.22	.67	.67
JUL 17...	247	.36	1.7	.60	2.3	10	.21	--	.64
AUG 07...	222	.31	1.3	.68	2.0	8.8	.27	--	.83
SEP 05...	250	.36	1.2	2.3	3.5	16	.22	--	.67

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 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)
OCT 24...	2	--	--	--	--	--	1	--	0	--	--	8
DEC 13...	1	--	--	--	--	--	1	--	0	--	--	3
APR 12...	1	1	0	1	1	0	1	0	0	13	11	2

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL 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, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
OCT 24...	10	--	--	0	2	.0	--	--	--	--	--	--
DEC 13...	20	--	--	1	8	--	--	--	--	--	--	--
APR 12...	40	24	24	0	20	--	.0	20	17	3	0	.1

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--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)	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 24...	--	--	10	5.4	--	--	.0	.00	.000	.0	.000
DEC 13...	--	--	3	--	--	--	--	--	--	--	--
APR 12...	30	10	20	7.7	.00	18	.0	.00	.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)
OCT 24...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00
DEC 13...	--	--	--	--	--	--	--	--	--	--	--
APR 12...	.00	.00	--	.00	.00	.00	--	.00	.00	.00	--

DATE	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)	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)
OCT 24...	.00	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00
DEC 13...	--	--	--	--	--	--	--	--	--	--	--
APR 12...	--	--	--	.00	--	.00	0	--	.05	.01	.01

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, 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
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	289	284	337	332	410	399	425	413	---	---
2	---	---	292	284	335	330	420	411	418	410	---	---
3	---	---	293	285	333	329	429	418	413	404	---	---
4	---	---	297	293	338	331	438	430	421	408	---	---
5	---	---	300	293	345	336	446	435	431	421	---	---
6	---	---	303	298	348	343	448	442	436	429	---	---
7	---	---	309	301	354	348	449	443	430	408	---	---
8	---	---	314	308	361	353	449	445	407	389	---	---
9	---	---	315	310	374	360	452	448	397	387	---	---
10	---	---	318	311	374	369	451	446	408	396	---	---
11	297	287	323	313	379	371	452	442	420	411	---	---
12	299	289	320	316	386	380	456	449	414	393	---	---
13	299	285	322	317	382	377	468	454	393	380	---	---
14	297	289	327	320	381	376	470	464	401	380	---	---
15	294	243	323	320	379	375	466	460	406	388	---	---
16	248	236	326	320	381	370	---	---	402	393	---	---
17	243	230	326	316	372	368	---	---	392	390	---	---
18	244	235	320	316	377	369	---	---	422	388	---	---
19	249	237	323	319	375	370	---	---	414	387	---	---
20	253	243	331	322	373	367	---	---	386	378	---	---
21	257	243	329	324	381	370	---	---	379	368	---	---
22	268	253	332	327	396	379	---	---	376	370	---	---
23	275	260	333	329	412	394	---	---	426	371	---	---
24	283	267	331	330	428	412	---	---	399	391	---	---
25	285	277	329	325	443	427	---	---	402	394	---	---
26	286	271	332	324	440	435	415	409	409	399	436	405
27	280	276	335	329	444	417	406	399	407	401	410	404
28	284	275	337	331	418	394	411	400	---	---	402	387
29	286	279	339	333	398	390	411	401	---	---	390	383
30	288	282	338	334	400	390	413	406	---	---	400	379
31	---	---	336	332	---	---	421	409	---	---	---	---

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

ONAL DATA

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1					---	---	---	---	7.6	7.6	7.5	7.5
2					---	---	---	---	7.6	7.5	7.6	7.5
3					---	---	---	---	7.6	7.6	7.6	7.6
4					---	---	---	---	7.6	7.6	7.6	7.5
5					---	---	---	---	7.6	7.6	7.5	7.5
6					7.5	7.4	---	---	7.6	7.6	7.5	7.5
7					7.6	7.5	---	---	7.6	7.5	7.5	7.5
8					7.6	7.5	---	---	7.5	7.5	7.5	7.5
9					7.5	7.4	---	---	7.6	7.5	7.5	7.4
10					7.5	7.4	7.8	7.7	7.6	7.5	7.4	7.4
11					7.4	7.3	7.7	7.7	7.6	7.5	7.4	7.4
12					---	---	7.8	7.7	7.6	7.5	7.4	7.4
13					---	---	7.8	7.7	7.6	7.6	7.4	7.4
14					---	---	7.8	7.7	7.6	7.5	7.4	7.4
15					---	---	7.8	7.7	7.5	7.4	7.4	7.4
16					---	---	7.8	7.7	7.5	7.5	7.5	7.4
17					---	---	7.8	7.7	7.5	7.5	7.5	7.4
18					---	---	7.8	7.7	7.5	7.5	7.5	7.4
19					---	---	7.8	7.7	7.5	7.5	7.5	7.4
20					---	---	7.7	7.6	7.6	7.5	7.5	7.4
21					7.3	7.2	7.7	7.6	7.6	7.5	---	---
22					7.2	7.1	7.7	7.6	7.6	7.6	---	---
23					7.2	7.1	7.7	7.6	7.6	7.6	7.5	7.4
24					7.2	7.1	7.6	7.6	7.6	7.6	7.4	7.4
25					---	---	7.6	7.6	7.6	7.6	7.4	7.4
26					---	---	7.6	7.6	7.6	7.5	7.4	7.4
27					---	---	7.6	7.6	7.6	7.5	7.4	7.4
28					---	---	7.6	7.6	7.5	7.4	7.4	7.4
29					---	---	7.6	7.6	---	---	7.5	7.4
30					---	---	7.5	7.5	---	---	7.5	7.5
31					---	---	7.6	7.5	---	---	7.5	7.5

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.5	7.5	7.4	7.4	7.5	7.5	7.7	7.7	7.8	7.8	7.7	7.7
2	7.5	7.5	7.4	7.4	7.5	7.5	7.7	7.7	7.9	7.8	7.7	7.7
3	7.5	7.5	7.4	7.4	7.5	7.5	7.7	7.7	7.9	7.8	7.7	7.7
4	7.5	7.5	7.4	7.4	7.5	7.5	7.8	7.7	7.9	7.9	7.8	7.7
5	7.5	7.4	7.4	7.4	7.5	7.5	7.8	7.8	7.9	7.9	7.8	7.8
6	---	---	7.4	7.4	7.6	7.5	7.8	7.8	7.9	7.9	7.8	7.7
7	---	---	7.5	7.4	7.6	7.6	7.8	7.8	7.9	7.8	7.7	7.7
8	---	---	7.5	7.5	7.6	7.6	7.8	7.8	7.8	7.8	7.7	7.6
9	---	---	7.5	7.5	7.6	7.6	7.8	7.8	7.8	7.8	7.6	7.6
10	---	---	7.5	7.5	7.6	7.6	7.8	7.8	7.8	7.8	7.6	7.5
11	7.4	7.4	7.5	7.5	7.6	7.6	---	---	7.8	7.8	7.6	7.5
12	7.4	7.4	7.5	7.5	7.6	7.6	7.8	7.8	7.8	7.8	7.6	7.5
13	7.4	7.4	7.5	7.5	7.6	7.6	7.8	7.8	7.8	7.8	7.6	7.5
14	7.4	7.4	7.5	7.5	7.6	7.6	7.8	7.8	7.8	7.7	7.6	7.5
15	7.4	7.4	7.5	7.5	7.6	7.6	7.8	7.8	7.8	7.7	7.6	7.5
16	7.4	7.4	7.5	7.5	7.6	7.6	---	---	7.8	7.7	7.5	7.5
17	7.4	7.3	7.5	7.5	7.6	7.6	---	---	7.8	7.7	7.5	7.5
18	7.4	7.4	7.5	7.5	7.6	7.6	---	---	7.8	7.8	7.6	7.6
19	7.4	7.3	7.5	7.5	7.6	7.6	---	---	7.8	7.8	7.6	7.6
20	7.4	7.4	7.5	7.5	7.6	7.6	---	---	7.8	7.8	7.7	7.6
21	7.4	7.4	7.5	7.5	7.7	7.6	---	---	7.8	7.8	7.7	7.7
22	7.4	7.4	7.5	7.5	7.7	7.6	---	---	7.8	7.8	7.7	7.7
23	7.4	7.4	7.5	7.5	7.7	7.7	---	---	7.9	7.8	7.7	7.7
24	7.4	7.4	7.5	7.5	7.7	7.7	---	---	7.9	7.8	7.7	7.7
25	7.4	7.4	7.5	7.5	7.7	7.7	---	---	7.9	7.9	7.8	7.7
26	7.4	7.4	7.5	7.5	7.7	7.7	7.8	7.8	7.9	7.9	7.8	7.7
27	7.4	7.3	7.5	7.5	7.7	7.7	7.9	7.8	7.9	7.9	7.8	7.8
28	7.4	7.3	7.5	7.5	7.7	7.7	7.9	7.8	7.9	7.8	7.8	7.8
29	7.4	7.4	7.5	7.5	7.7	7.7	7.9	7.8	7.8	7.7	7.8	7.7
30	7.4	7.4	7.5	7.5	7.7	7.6	7.9	7.8	7.8	7.7	7.8	7.7
31	---	---	7.6	7.5	---	---	7.8	7.8	7.7	7.7	---	---

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, 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					---	---	---	---	3.5	3.0	7.0	6.5
2					---	---	---	---	3.5	3.0	6.5	6.5
3					---	---	---	---	3.5	3.0	7.0	6.5
4					---	---	---	---	3.5	3.5	7.0	6.5
5					---	---	---	---	3.5	3.0	6.5	6.5
6					13.5	13.0	---	---	3.0	3.0	6.5	6.5
7					14.0	13.5	---	---	3.0	3.0	6.5	6.0
8					14.0	13.0	---	---	3.0	3.0	6.0	6.0
9					12.5	12.0	---	---	3.0	3.0	6.5	6.0
10					12.0	11.5	5.0	4.5	3.0	3.0	6.5	6.0
11					11.0	10.5	4.5	4.0	3.5	3.0	7.0	6.5
12					---	---	4.0	4.0	3.5	3.0	7.5	7.0
13					---	---	4.0	3.5	3.5	3.0	7.5	7.0
14					---	---	3.5	3.5	3.5	3.5	8.0	7.5
15					---	---	3.5	3.5	4.0	3.5	8.0	7.5
16					---	---	3.5	3.5	4.0	4.0	8.0	8.0
17					---	---	3.5	3.5	4.0	4.0	8.5	8.0
18					---	---	3.5	3.5	4.0	4.0	8.5	8.5
19					---	---	3.5	3.5	4.5	4.0	9.0	8.5
20					---	---	4.0	3.5	4.5	4.0	9.5	9.0
21					8.0	8.0	4.0	3.5	4.5	4.5	---	---
22					8.0	8.0	4.5	4.0	5.0	4.5	---	---
23					8.0	8.0	5.5	4.0	5.0	4.5	10.0	10.0
24					8.5	8.0	5.0	5.0	5.5	5.0	10.0	10.0
25					---	---	5.0	4.5	5.5	5.0	10.5	10.0
26					---	---	4.5	4.5	6.5	5.5	10.5	10.0
27					---	---	4.5	4.5	6.5	5.5	10.5	10.5
28					---	---	4.5	4.0	7.0	6.5	11.0	10.5
29					---	---	4.0	4.0	---	---	11.0	11.0
30					---	---	4.0	3.5	---	---	11.5	11.0
31					---	---	3.5	3.5	---	---	12.0	11.5
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	12.0	11.5	17.5	17.0	22.0	21.5	27.0	27.0	29.0	29.0	28.5	28.5
2	12.0	12.0	17.5	17.0	22.0	21.5	27.0	27.0	29.0	29.0	28.5	28.0
3	12.5	12.0	18.0	17.5	22.0	21.5	27.5	27.0	29.0	29.0	28.5	28.0
4	12.5	12.5	18.0	18.0	22.0	22.0	27.5	27.5	29.0	29.0	28.5	28.5
5	---	---	18.0	18.0	22.5	22.0	28.0	27.5	29.5	29.0	29.0	28.5
6	---	---	18.5	18.0	23.0	22.5	28.0	28.0	29.0	29.0	29.0	28.5
7	---	---	18.5	18.0	23.5	23.0	28.0	28.0	29.0	29.0	28.5	28.5
8	---	---	18.5	18.0	23.5	23.5	28.5	28.0	29.0	29.0	28.5	28.5
9	---	---	19.0	18.5	23.5	23.5	28.0	28.0	29.0	29.0	28.5	28.0
10	---	---	19.0	18.5	24.0	23.5	28.0	27.5	29.0	29.0	28.0	27.5
11	14.5	14.0	19.5	19.0	24.0	23.5	27.5	27.0	29.0	29.0	27.5	27.5
12	14.5	14.5	19.5	19.5	24.0	24.0	27.5	27.0	29.0	29.0	27.5	27.0
13	14.5	14.5	19.5	19.5	24.5	24.0	27.5	27.0	29.0	29.0	27.5	27.0
14	15.0	14.5	19.5	19.5	24.5	24.5	27.5	27.0	29.0	29.0	27.0	27.0
15	15.5	15.0	19.5	19.5	25.0	24.5	27.5	27.0	29.0	29.0	27.0	26.5
16	15.5	15.0	20.0	19.5	25.0	25.0	---	---	29.0	29.0	26.5	26.5
17	15.5	15.0	20.0	19.5	25.5	25.0	---	---	29.0	29.0	26.5	26.0
18	15.5	15.5	20.5	20.0	25.5	25.0	---	---	29.0	29.0	26.0	26.0
19	15.5	15.5	20.5	20.0	26.0	25.5	---	---	29.0	29.0	26.0	25.5
20	16.0	15.5	21.0	20.5	26.0	25.5	---	---	29.0	29.0	25.5	25.5
21	16.0	16.0	21.5	21.0	26.0	26.0	---	---	29.0	29.0	25.5	25.0
22	16.0	16.0	21.5	21.0	26.5	26.0	---	---	29.0	29.0	25.0	25.0
23	16.0	16.0	21.5	21.5	26.5	26.5	---	---	29.5	29.0	25.0	24.5
24	16.5	16.0	22.0	21.5	26.5	26.5	---	---	29.5	29.0	24.5	24.5
25	16.5	16.5	22.0	21.5	27.0	26.5	---	---	29.0	29.0	24.5	24.0
26	17.0	16.5	22.0	22.0	27.0	26.5	28.0	28.0	29.0	29.0	24.0	23.5
27	17.0	17.0	22.0	22.0	27.0	26.5	28.0	28.0	29.0	28.5	23.5	23.5
28	17.5	17.0	22.0	22.0	27.0	26.5	28.5	28.0	28.5	28.0	23.5	23.5
29	17.0	17.0	22.5	22.0	27.0	27.0	28.5	28.5	28.0	28.0	24.0	23.5
30	17.0	17.0	22.0	22.0	27.0	26.5	29.0	28.5	28.5	28.0	24.0	23.5
31	---	---	22.0	22.0	---	---	29.0	28.5	28.5	28.0	---	---

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, 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							---	---	12.5	12.2	11.2	11.0
2							---	---	12.6	12.5	11.3	11.2
3							---	---	12.6	12.5	11.2	11.1
4							---	---	12.5	12.5	11.1	10.9
5							---	---	12.6	12.5	10.9	10.8
6							---	---	12.6	12.5	10.8	10.7
7							---	---	12.5	12.4	10.7	10.7
8							---	---	12.5	12.4	10.7	10.7
9							---	---	12.5	12.4	10.7	10.5
10							11.7	11.5	12.5	12.5	10.5	10.3
11							11.9	11.7	12.5	12.4	10.3	10.2
12							12.0	11.9	12.6	12.5	10.2	10.0
13							12.1	12.0	12.6	12.5	10.1	9.9
14							12.3	12.1	12.6	12.2	9.9	9.8
15							12.4	12.3	12.2	12.1	9.8	9.6
16							12.5	12.4	12.1	12.1	9.7	9.6
17							12.5	12.4	12.1	12.0	9.7	9.6
18							12.4	12.3	12.1	12.0	9.7	9.6
19							12.5	12.4	12.0	12.0	9.6	9.4
20							12.5	12.5	12.1	12.0	9.4	9.2
21							12.5	12.5	12.1	12.0	---	---
22							12.4	12.3	12.0	11.9	---	---
23							12.3	11.9	11.9	11.9	9.3	9.3
24							11.9	11.8	12.0	11.9	9.3	9.2
25							11.9	11.9	11.9	11.7	9.2	9.2
26							12.0	11.9	11.7	11.2	9.2	9.2
27							12.0	12.0	11.7	11.0	9.2	9.2
28							12.1	12.0	11.0	10.9	9.2	9.1
29							12.1	12.0	---	---	9.1	9.1
30							12.1	12.0	---	---	9.1	9.0
31							12.2	12.1	---	---	9.0	8.9
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.9	8.8	7.5	7.5	6.8	6.7	6.2	6.1	6.3	6.2	6.4	6.1
2	8.8	8.8	7.5	7.5	6.7	6.6	6.2	6.0	6.2	6.1	6.0	5.7
3	8.8	8.6	7.5	7.5	6.6	6.5	6.1	6.0	6.1	6.0	---	---
4	8.7	8.4	7.5	7.5	7.2	6.5	6.0	5.8	6.0	5.8	---	---
5	---	---	7.5	7.4	7.2	7.2	5.9	5.8	5.7	5.6	7.1	6.9
6	---	---	7.5	7.4	7.2	7.1	5.9	5.7	5.7	5.5	6.8	6.1
7	---	---	7.5	7.4	7.1	7.0	5.8	5.5	6.0	5.3	6.0	5.5
8	---	---	7.4	7.3	7.0	7.0	5.5	5.4	5.9	5.5	5.7	5.4
9	---	---	7.3	7.2	7.0	7.0	5.5	5.4	---	---	6.1	5.7
10	---	---	7.3	7.2	7.0	6.9	5.7	5.4	---	---	6.0	6.0
11	8.2	8.0	7.2	7.0	7.0	6.9	6.0	5.6	---	---	6.2	6.0
12	8.2	8.2	7.1	6.9	7.0	6.9	5.7	5.4	---	---	6.3	6.1
13	8.2	8.0	6.9	6.8	6.9	6.9	---	---	---	---	6.3	6.2
14	8.0	7.9	6.8	6.6	6.9	6.8	---	---	---	---	6.3	6.2
15	7.9	7.8	6.6	6.5	6.8	6.6	---	---	---	---	6.2	6.0
16	7.8	7.8	6.6	6.5	6.7	6.5	---	---	---	---	---	---
17	7.8	7.7	7.0	6.3	6.5	6.4	---	---	5.9	5.8	---	---
18	7.7	7.7	7.0	6.9	6.7	6.4	---	---	5.9	5.9	7.3	7.1
19	7.7	7.6	6.9	6.8	6.7	6.7	---	---	5.9	5.7	7.1	7.1
20	7.6	7.5	6.8	6.7	6.7	6.7	---	---	---	---	7.1	6.9
21	7.6	7.4	6.7	6.5	6.7	6.6	---	---	---	---	6.9	6.6
22	7.7	7.5	6.6	6.4	6.6	6.5	---	---	6.8	6.6	6.6	6.1
23	7.5	7.4	6.6	6.3	6.5	6.4	---	---	6.8	6.6	6.3	6.0
24	7.4	7.3	6.5	6.2	6.4	6.3	---	---	6.6	6.1	6.6	6.2
25	7.3	7.2	6.6	6.5	6.3	6.2	---	---	6.1	5.7	6.7	6.6
26	7.2	7.1	6.7	6.5	6.2	6.1	6.7	6.6	---	---	7.2	6.6
27	7.1	7.0	6.6	6.5	6.3	6.0	6.7	6.6	---	---	7.1	6.8
28	7.0	7.0	6.5	6.4	6.3	6.2	6.6	6.6	---	---	6.8	6.5
29	7.1	7.0	6.7	6.3	6.2	6.1	6.6	6.5	6.8	6.7	6.4	6.4
30	7.1	7.0	6.8	6.7	6.1	6.1	6.5	6.3	6.8	6.6	6.6	6.4
31	---	---	6.8	6.8	---	---	6.4	6.3	6.6	6.4	---	---

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", in lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse, and at mile 76.0 (122.3 km).

DRAINAGE AREA.--1,129,930 mi^2 (2,926,500 km^2), arbitrarily determined.

PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to current year.
WATER TEMPERATURES: October 1975 to current year.
CHLORIDE: October 1974 to current year.
SULFATE: October 1974 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 621 micromhos June 26, 1977; minimum, 248 micromhos Mar. 31, 1976, Jan. 24, 1979.
WATER TEMPERATURES: Maximum, 32.0°C several days in July and August, 1977; minimum, 2.0°C Feb. 6, 8, 10, 11, 1978.
CHLORIDE: Maximum, 85 mg/L June 26, 27, 1977; minimum, 11 mg/L Apr. 21, May 12, 1976.
SULFATE: Maximum, 93 mg/L Oct. 30, 1976; minimum, 28 mg/L Apr. 1, 1976.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 596 micromhos Nov. 16; minimum, 248 micromhos Jan. 24.
WATER TEMPERATURES: Maximum, 30.0°C several days in August; minimum, 3.0°C Feb. 23.
CHLORIDE: Maximum, 40 mg/L Dec. 2; minimum, 13 mg/L Dec. 31, Jan. 2, 25.

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)	TUR-BID-ITY (NTU)	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)
OCT												
25...	0900	215000	513	7.7	20.5	10	25	4.5	8.3	.8	5400	--
NOV												
07...	0830	255000	552	7.5	19.5	5	15	5.6	7.8	.4	2400	K20
DEC												
14...	1330	702000	404	7.9	10.0	10	130	1.5	9.5	1.0	K3300	2600
JAN												
10...	1200	782000	317	7.4	5.0	10	120	110	12.9	4.5	1100	850
FEB												
01...	1200	859000	262	7.6	4.0	40	160	27	13.2	2.7	500	230
MAR												
08...	0930	995000	306	7.0	7.0	60	240	230	10.3	2.3	1100	1400
APR												
25...	1300	--	283	7.1	21.5	20	90	120	7.4	1.4	510	--
MAY												
10...	0900	975000	299	7.3	19.0	15	80	120	7.5	1.0	K1100	K850
JUN												
14...	0900	742000	376	7.2	23.5	10	65	84	7.9	2.0	2900	110
JUL												
10...	1130	418000	428	7.2	28.5	5	35	40	7.1	.9	3900	K670
AUG												
08...	1600	498000	402	7.4	28.0	5	60	58	6.0	1.3	1000	K100
SEP												
05...	0900	446000	439	7.3	29.0	15	15	--	6.8	4.6	--	420

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

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
OCT 25...	180	52	47	16	35	29	1.1	--	4.2	158	0	130
NOV 07...	200	72	52	16	37	29	1.2	--	4.0	156	0	128
DEC 14...	140	46	37	11	24	27	.9	--	3.7	114	0	94
JAN 10...	110	31	30	8.5	16	23	.7	--	3.0	96	0	79
FEB 01...	97	29	26	7.7	12	20	.5	--	8.1	82	0	67
MAR 08...	110	37	29	9.6	16	23	.7	--	2.1	92	0	75
APR 25...	110	34	29	8.3	11	18	.5	14	2.9	88	0	72
MAY 10...	120	49	34	9.6	10	15	.4	13	3.0	86	0	75
JUN 14...	140	43	37	11	20	24	.7	23	2.7	115	0	94
JUL 10...	150	44	39	13	27	28	1.0	30	3.1	130	0	107
AUG 08...	150	52	37	13	25	26	.9	28	3.4	120	0	98
SEP 05...	160	57	44	13	23	30	.8	27	3.8	130	0	107

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 25...	73	32	.4	8.8	297	.40	172000	1.4	.10	--	1.1	1.2
NOV 07...	89	43	.7	6.8	332	.45	229000	1.1	.11	--	.57	.68
DEC 14...	63	26	.3	5.7	237	.32	449000	1.2	.02	--	.87	.89
JAN 10...	41	20	.2	6.7	179	.24	378000	1.1	.07	--	.71	.78
FEB 01...	35	15	.2	6.4	161	.22	373000	1.0	.11	--	--	--
MAR 08...	42	17	.2	6.1	180	.24	484000	1.1	.18	--	.37	.55
APR 25...	33	15	.3	6.3	158	.21	--	1.8	.04	.05	.75	.79
MAY 10...	38	14	.2	6.3	180	.24	474000	1.9	.01	.01	.62	.63
JUN 14...	53	24	.2	4.6	212	.29	425000	1.3	.01	.01	1.2	1.2
JUL 10...	57	29	.4	5.6	250	.34	282000	1.6	.05	.06	.69	.74
AUG 08...	55	32	.3	6.1	229	.31	308000	1.3	.00	.00	.56	.56
SEP 05...	64	26	.4	7.2	258	.35	311000	1.1	.02	.02	1.1	1.1

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHATE, TOTAL (MG/L AS PO4)	PHOSPHORUS TOTAL (MG/L AS PO4)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT 25...	.59	.61	2.6	12	--	--	.28	.23	--	5.9	1.1
NOV 07...	.10	.58	1.8	7.9	--	--	.25	.22	5.0	--	--
DEC 14...	.30	.59	2.1	9.3	--	--	.41	.12	9.2	--	--
JAN 10...	.35	.43	1.9	8.3	--	--	.33	.08	--	4.6	2.7
FEB 01...	--	1.1	--	--	--	--	.19	.06	6.7	--	--
MAR 08...	.00	--	1.7	7.3	--	--	.12	.04	10	--	--
APR 25...	.10	.69	2.6	11	.83	.83	.27	.06	7.6	--	--
MAY 10...	.00	.63	2.5	11	.71	.71	.23	.04	6.4	5.1	--
JUN 14...	1.2	.01	2.5	11	.77	.77	.25	.06	8.3	--	--
JUL 10...	.00	--	2.3	10	.58	--	.19	.11	--	--	.5
AUG 08...	--	--	1.9	8.2	--	.74	.24	.10	5.9	--	--
SEP 05...	.00	1.1	2.2	9.7	--	.34	.11	.08	--	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)
OCT 25...	3	1	2	4	3	1	0	0	0	2	0	2
JAN 10...	3	2	1	2	1	1	0	0	0	3	1	2
MAY 10...	3	2	1	1	0	1	10	10	0	3	3	0
JUL 10...	3	2	1	2	0	2	10	10	0	3	0	3

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	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)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
OCT 25...	13	7	6	1500	1500	10	6	6	0	60	60	0
JAN 10...	24	19	5	14000	14000	0	15	14	1	360	340	20
MAY 10...	12	9	3	5800	5800	50	12	12	0	230	220	10
JUL 10...	11	5	6	620	600	20	15	15	0	20	20	4

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	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...	.0	.0	.0	1	0	1	0	0	0	20	10	10
JAN 10...	.0	.0	.0	1	0	1	1	0	1	60	40	20
MAY 10...	.1	.1	.0	1	0	1	0	0	0	40	20	20
JUL 10...	.1	.1	.0	1	1	0	0	0	0	30	20	8

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)	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 25...	--	--	--	--	--	--	--	--	--	77	44700	87
NOV 07...	--	--	--	--	--	--	--	--	5900	49	33700	93
DEC 14...	--	--	--	--	--	--	--	--	--	545	103000	94
JAN 10...	--	--	--	--	--	--	--	--	--	200	422000	74
FEB 01...	--	--	--	--	--	--	--	--	--	298	691000	52
MAR 08...	2.2	19	3.5	11	3.3	10	.08	.60	1100	419	113000	87
APR 25...	--	--	--	--	--	--	--	--	90	403	--	84
MAY 10...	--	--	--	--	--	--	--	--	520	363	956000	74
JUN 14...	--	--	--	--	--	--	--	--	260	244	489000	89
JUL 10...	4.2	--	--	--	--	--	--	--	2700	154	174000	99
AUG 08...	--	--	--	--	--	--	--	--	--	264	355000	95
SEP 05...	--	--	--	--	--	--	--	--	--	150	181000	93

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, 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	27.0	20.0	17.0	11.0	4.0	8.0	14.0	19.0	23.0	28.0	30.0	29.0
2	27.0	20.0	15.0	10.0	4.0	10.0	14.0	19.0	23.0	28.0	30.0	29.0
3	27.0	20.0	15.0	7.0	4.0	9.0	14.0	19.0	23.0	28.0	30.0	28.0
4	26.0	20.0	15.0	7.0	4.0	9.0	15.0	19.0	24.0	28.0	28.0	28.0
5	26.0	20.0	14.0	8.0	7.0	9.0	14.0	19.0	23.0	---	30.0	29.0
6	26.0	20.0	14.0	11.0	6.0	9.0	15.0	---	---	---	30.0	29.0
7	26.0	21.0	15.0	10.0	6.0	9.0	15.0	---	24.0	---	30.0	29.0
8	25.0	19.0	15.0	9.0	7.0	7.0	14.0	---	---	29.0	29.0	29.0
9	25.0	19.0	14.0	8.0	4.0	---	7.0	---	---	29.0	29.0	29.0
10	25.0	19.0	12.0	7.0	4.0	7.0	11.0	21.0	---	29.0	30.0	29.0
11	25.0	19.0	---	---	5.0	8.0	12.0	21.0	---	---	29.0	29.0
12	26.0	---	11.0	6.0	7.0	---	15.0	21.0	---	29.0	29.0	28.0
13	26.0	19.0	11.0	6.0	4.0	---	17.0	21.0	---	28.0	29.0	28.0
14	28.0	19.0	10.0	4.0	---	---	16.0	21.0	25.0	28.0	29.0	28.0
15	25.0	---	10.0	8.0	4.0	---	16.0	21.0	25.0	28.0	29.0	27.0
16	23.0	19.0	11.0	7.0	5.0	---	17.0	21.0	---	28.5	---	---
17	22.0	20.0	11.0	8.0	6.0	---	17.0	21.0	25.0	26.0	29.0	27.0
18	22.0	18.0	11.0	8.0	7.0	10.0	17.0	21.0	26.0	28.0	30.0	27.0
19	22.0	18.0	12.0	---	5.0	10.0	---	21.0	---	---	30.0	27.0
20	22.0	19.0	10.0	8.0	6.0	11.0	17.0	21.0	---	---	30.0	27.0
21	22.0	18.0	9.0	5.0	6.0	12.0	17.0	22.0	---	---	30.0	27.0
22	22.0	18.0	9.0	5.0	6.0	13.0	17.0	22.0	---	---	30.0	25.0
23	22.0	18.0	9.0	5.0	3.0	14.0	17.0	22.0	---	---	30.0	25.0
24	21.0	18.0	9.0	5.0	6.0	11.0	18.0	22.0	27.0	28.0	30.0	24.0
25	21.0	19.0	9.0	5.0	6.0	11.0	18.0	22.0	25.0	28.0	30.0	24.0
26	21.0	---	9.0	5.0	6.0	11.0	18.0	22.0	27.0	29.0	30.0	24.0
27	20.0	18.0	9.0	---	7.0	12.0	---	22.0	27.0	29.0	30.0	24.0
28	21.0	17.0	9.0	---	7.0	13.0	18.0	23.0	28.0	29.0	29.0	24.0
29	21.0	17.0	10.0	---	---	13.0	18.0	23.0	28.0	---	28.0	24.0
30	20.0	17.0	13.0	---	---	14.0	18.0	23.0	28.0	29.0	28.0	24.0
31	21.0	---	10.0	4.0	---	14.0	---	23.0	---	29.0	28.0	---
MONTH	23.5	19.0	11.5	7.0	5.5	---	15.5	21.0	---	---	29.5	27.0
YEAR	MAX	30.0	MIN	3.0	MEAN	18.5						

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, 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	476	537	582	265	258	291	295	284	343	393	410	412
2	467	549	559	272	263	311	311	285	341	405	419	411
3	453	527	542	286	264	330	301	290	339	409	420	421
4	457	529	535	286	267	328	304	288	338	418	412	424
5	471	539	508	295	272	356	313	293	343	---	353	437
6	480	533	508	296	274	316	309	---	---	---	430	435
7	465	561	513	300	274	308	313	---	347	---	440	438
8	494	545	531	303	272	305	312	---	---	439	417	438
9	496	558	521	307	272	---	294	---	---	435	399	435
10	483	558	504	305	265	272	302	310	---	434	394	427
11	461	549	472	307	261	268	299	309	---	---	400	434
12	451	555	443	302	258	---	295	314	---	---	393	423
13	464	545	443	306	260	---	293	315	---	---	400	416
14	462	561	413	302	264	---	292	317	356	---	384	423
15	457	---	395	291	267	---	291	320	363	---	376	436
16	463	596	368	283	277	---	289	321	360	426	---	---
17	468	575	329	280	291	---	284	322	360	431	387	420
18	453	575	334	279	305	274	286	321	359	438	385	417
19	464	588	333	278	312	277	---	321	---	---	380	419
20	471	591	---	277	325	276	283	321	---	---	386	427
21	476	588	317	278	329	277	286	324	---	---	383	429
22	492	585	301	273	330	276	287	325	---	---	383	425
23	504	571	297	267	333	273	288	325	---	---	392	424
24	508	580	299	248	328	276	280	326	402	404	394	423
25	512	576	293	250	328	276	283	326	416	394	394	423
26	523	---	285	255	329	280	282	327	428	398	394	417
27	514	587	283	---	301	286	---	331	433	390	408	388
28	533	578	271	---	294	287	276	337	422	383	408	408
29	533	566	264	---	---	288	278	338	404	---	411	396
30	564	572	---	---	---	294	282	340	392	394	407	388
31	580	---	265	262	---	293	---	339	---	394	408	---
MONTH	487	563	397	283	288	---	293	317	---	---	399	421
YEAR	MAX	596	MIN	248	MEAN	379						

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--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	32		39	18	16	---	18	16	20	30	26	28
2	29		40	13	17	---	18	20	20	32	34	28
3	26		37	17	18	---	18	16	24	32	36	30
4	---		34	16	18	---	18	16	24	30	30	26
5	---		35	16	17	---	22	18	22	---	36	24
6	---		33	16	17	---	20	---	22	---	36	24
7	---		37	16	17	---	20	---	22	---	38	24
8	---		39	16	17	---	18	---	---	34	36	24
9	---		37	19	20	20	---	---	---	34	28	28
10	---		33	18	18	20	18	16	---	32	30	26
11	---		29	20	20	16	18	18	---	---	30	28
12	---		26	22	17	---	18	14	---	34	30	28
13	---		29	19	16	---	18	18	---	34	32	22
14	---		25	19	17	---	18	16	26	32	28	28
15	---		27	18	18	---	16	16	28	34	24	28
16	---		25	16	22	---	20	18	24	34	---	---
17	---		21	17	20	---	16	16	24	34	28	26
18	---		20	17	21	16	16	16	24	36	28	28
19	---		23	15	22	18	---	16	---	---	30	26
20	---		16	15	22	16	16	18	---	---	28	24
21	---		20	15	21	16	14	18	---	---	24	26
22	---		16	16	21	16	16	18	---	---	30	26
23	---		19	16	24	16	---	18	---	---	28	26
24	---		17	16	22	17	---	18	34	34	26	28
25	---		14	13	22	17	---	18	32	34	26	24
26	---		16	14	22	16	---	18	32	32	26	22
27	---		17	---	19	18	---	18	38	30	30	22
28	---		16	---	20	---	---	18	38	28	30	24
29	---		16	---	---	16	---	18	34	---	30	26
30	---		19	---	---	19	---	18	26	32	26	24
31	---		13	16	---	18	---	18	---	30	26	---
MONTH	---		25	17	19	---	---	17	---	---	30	26

NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--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	273	.37
11-20	267	.36
21-31	302	.41
NOV		
01-10	334	.45
11-20	347	.47
21-30	343	.47
DEC		
01-10	336	.46
11-20	239	.33
21-31	189	.26
JAN		
01-10	171	.23
11-20	172	.23
21-31	156	.21
FEB		
01-10	170	.23
21-28	202	.27
MAR		
11-20	166	.23
21-31	175	.24
APR		
01-10	203	.28
11-20	186	.25
21-30	193	.26
MAY		
01-10	182	.25
11-20	174	.24
21-31	182	.25
JUN		
01-10	216	.29
11-20	236	.32
21-30	253	.34
JUL		
01-10	259	.35
11-20	281	.38
21-31	249	.34
AUG		
01-10	244	.33
11-20	230	.31
SEP		
01-10	237	.32
11-20	243	.33
21-30	233	.32

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE	NOV 7,78		MAR 8,79		APR 25,79		MAY 10,79		JUN 14,79		JUL 10,79	
TIME	0830		0930		1300		0900		0900		1130	
TOTAL CELLS/ML	5900		1100		90		520		260		2700	
DIVERSITY: DIVISION	1.1		1.1		0.0		0.0		0.7		1.0	
.CLASS	1.1		1.1		0.0		0.0		0.7		1.0	
..ORDER	1.1		1.6		0.0		0.0		0.7		1.2	
...FAMILY	1.3		2.0		0.0		0.0		0.7		1.2	
....GENUS	1.4		2.5		0.0		0.0		0.7		1.7	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...HYDRODICTYACEAE												
....PEDIASTRUM	460	8	--	-	--	-	--	-	--	-	--	-
...OOCYSTACEAE												
....KIRCHNERIELLA	57	1	--	-	--	-	--	-	--	-	--	-
....OOCYSTIS	170	3	--	-	--	-	--	-	--	-	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	--	-	--	-	520#	100	210#	80	1000#	38
....SCENEDESMUS	240	4	--	-	--	-	--	-	--	-	410#	15
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	--	-	--	-	--	-	--	-	--	-	52	2
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....COSCINODISCUS	--	-	41	4	--	-	--	-	--	-	--	-
....CYCLOTELLA	86	1	97	9	90#	100	--	-	--	-	1200#	43
....MELOSIRA	500	8	280#	26	--	-	--	-	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-	--	-	52#	20	--	-
..PENNALES												
...CYMBELLACEAE												
....CYMBELLA	--	-	55	5	--	-	--	-	--	-	--	-
...FRAGILARIACEAE												
....ASTERIONELLA	--	-	69	6	--	-	--	-	--	-	--	-
....SYNEDRA	--	-	14	1	--	-	--	-	--	-	--	-
...GOMPHONEMATACEAE												
....GOMPHONEMA	--	-	41	4	--	-	--	-	--	-	--	-
...NAVICULACEAE												
....NAVICULA	--	-	14	1	--	-	--	-	--	-	52	2
...NITZSCHIACEAE												
....NITZSCHIA	--	-	14	1	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....ANACYSTIS	4400#	74	--	-	--	-	--	-	--	-	--	-
..HORMOGONALES												
...OSCILLATORIACEAE												
....OSCILLATORIA	--	-	440#	41	--	-	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)												
.DINOPHYCEAE												
..PERIDINIALES												
...PERIDINIACEAE												
....PERIDINIUM	--	-	14	1	--	-	--	-	--	-	--	-

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

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)

LOCATION.--Lat 29°16'33", long 89°21'10", T.21 S., R.31 E., Plaquemines Parish, Hydrologic Unit 08090100, in center of river at Venice and at mile 10.7 (17.2 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 (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED, (COLS. PER 100 ML)
OCT											
26...	1300	1720	7.5	21.5	15	10	<1.0	8.4	82	2.5	8400
NOV											
06...	1300	1900	7.8	21.5	10	10	<1.0	8.1	33	1.3	K200
DEC											
14...	1630	432	7.2	10.5	5	130	<1.0	9.4	42	3.7	8600
JAN											
10...	1100	314	7.2	5.5	20	90	<1.0	13.8	16	6.5	4200
FEB											
06...	1330	272	7.7	9.0	35	120	<1.0	12.2	36	3.4	6400
MAR											
08...	1300	313	7.4	7.0	50	240	<1.0	10.8	39	2.3	10000
APR											
12...	1330	299	6.8	19.0	40	100	<1.0	8.2	24	5.0	7400
MAY											
10...	1300	305	6.6	19.5	15	85	<1.0	6.8	20	2.3	4000
JUN											
14...	1200	383	7.2	23.5	5	65	<1.0	7.8	27	3.0	K5000
JUL											
10...	1030	435	7.0	29.5	5	10	<1.0	6.5	14	--	1800
AUG											
09...	1230	420	7.4	29.5	5	20	<1.0	6.5	13	2.9	K2200
SEP											
04...	1000	411	7.8	29.0	10	35	<1.0	6.7	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).

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT 26...	--	320	190	58	42	156	0	120
NOV 06...	K170	310	200	56	42	142	0	130
DEC 14...	840	150	53	40	11	118	0	64
JAN 10...	1500	120	42	32	8.5	95	0	41
FEB 06...	420	99	28	26	8.2	86	0	36
MAR 08...	2500	120	35	32	8.7	98	0	47
APR 12...	1000	110	28	29	8.7	98	0	34
MAY 10...	240	130	46	34	9.8	97	0	35
JUN 14...	K1800	140	64	37	11	90	0	47
JUL 10...	K200	150	54	40	13	117	0	57
AUG 09...	760	150	42	38	13	130	0	57
SEP 04...	420	160	44	42	13	140	0	54

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)
OCT 26...	390	108	1.3	.01	1.3	.87	.23	2	1
NOV 06...	440	18	1.3	.01	1.3	.80	.20	2	0
DEC 14...	27	309	1.3	.01	1.3	.64	.39	4	3
JAN 10...	19	154	1.0	.08	1.1	.48	.31	3	2
FEB 06...	21	248	.92	.08	1.0	1.0	.17	2	1
MAR 08...	21	422	.96	.04	1.0	.98	.12	4	3
APR 12...	9.4	116	1.8	.06	1.9	.77	.20	2	1
MAY 10...	13	214	2.0	.02	2.0	.43	.28	3	2
JUN 14...	26	37	1.2	.10	1.3	--	.01	3	2
JUL 10...	29	16	1.6	.00	1.6	--	.19	2	1
AUG 09...	34	18	1.4	.02	1.4	1.0	.17	3	1
SEP 04...	24	--	1.1	.02	1.1	.66	.17	2	0

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

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--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 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)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
OCT 26...	1	0	0	0	1	0	1	0
NOV 06...	2	0	0	0	0	0	0	0
DEC 14...	1	10	10	0	2	1	1	30
JAN 10...	1	10	10	0	1	0	1	0
FEB 06...	1	0	0	0	0	0	0	0
MAR 08...	1	0	0	0	1	0	1	10
APR 12...	1	1	0	1	1	0	1	10
MAY 10...	1	0	0	0	0	0	0	10
JUN 14...	1	0	0	0	2	1	1	10
JUL 10...	1	1	0	1	1	0	1	10
AUG 09...	2	0	0	0	2	0	2	0
SEP 04...	2	10	10	0	0	0	0	10

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 26...	0	7	0	7	10	5	5	0
NOV 06...	0	7	0	7	10	2	1	1
DEC 14...	0	21	15	6	40	14	11	3
JAN 10...	0	10	5	5	50	12	12	0
FEB 06...	0	10	5	5	40	8	7	1
MAR 08...	0	25	21	4	60	57	56	1
APR 12...	0	17	16	1	20	35	35	0
MAY 10...	0	12	10	2	10	12	12	0
JUN 14...	0	24	20	4	10	14	9	5
JUL 10...	0	14	9	5	90	20	14	6
AUG 09...	0	5	1	4	10	2	2	0
SEP 04...	--	3	0	3	0	3	2	1

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
OCT 26...	.0	.0	.0	4	1	3	1	0	1
NOV 06...	.0	.0	.0	6	3	3	2	0	2
DEC 14...	.0	.0	.0	18	15	3	1	1	0
JAN 10...	.0	.0	.0	8	5	3	0	0	0
FEB 06...	.0	.0	.0	9	6	3	0	0	0
MAR 08...	.1	.1	.0	18	18	0	0	0	0
APR 12...	.1	.1	.0	16	16	0	1	1	0
MAY 10...	.1	.1	.0	11	11	0	1	0	1
JUN 14...	.1	.1	.0	11	6	5	1	0	1
JUL 10...	.1	.1	.0	10	6	4	1	1	0
AUG 09...	.1	.1	.0	6	3	3	1	0	1
SEP 04...	.1	.1	.0	2	0	2	1	0	1

DATE	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)
OCT 26...	--	20	10	10	6.3	.00	2	0
NOV 06...	--	10	0	10	4.0	.00	0	0
DEC 14...	.3	40	20	20	9.6	.00	5	0
JAN 10...	.1	40	20	20	5.7	.00	0	--
FEB 06...	.0	30	20	10	5.7	.00	3	2
MAR 08...	1.0	80	60	20	11	.00	3	0
APR 12...	.2	40	40	3	5.9	.00	21	0
MAY 10...	.1	40	30	10	7.3	.00	4	--
JUN 14...	.1	70	50	20	8.9	.00	2	0
JUL 10...	.0	50	50	5	--	.00	1	0
AUG 09...	1.0	40	0	40	3.8	.00	4	3
SEP 04...	1.0	6	0	6	--	.00	3	0

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CE 01850)

LOCATION.--Lat 29°00'53", long 89°09'57", Plaquemines Parish, Hydrologic Unit 08090100, 14.5 mi (23.3 km) east of Burrwood, 2.0 mi (3.2 km) southeast of Port Eads.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	1015	4930	8.2	15	5	<1.0	9.3	73	.5	5200	K200	650
NOV												
20...	1120	7160	8.1	10	7	<1.0	8.4	58	1.1	K1700	550	850
DEC												
18...	1135	412	7.9	30	12	<1.0	--	60	--	11000	K1100	150
JAN												
29...	0915	284	7.9	40	180	<1.0	--	35	1.6	960	600	100
FEB												
26...	1120	340	7.8	30	90	<1.0	11.5	28	2.1	5400	290	120
MAR												
16...	1030	270	6.8	40	180	<1.0	9.3	18	1.3	1200	800	88
APR												
17...	0900	305	7.5	50	90	<1.0	7.0	22	.6	3500	540	120
JUL												
19...	0900	605	7.8	10	30	<1.0	6.3	15	.0	5600	800	170
AUG												
16...	1200	448	7.9	15	150	<1.0	6.1	16	.5	K1800	340	170
SEP												
05...	1230	450	8.3	20	12	<1.0	6.4	14	.1	1000	120	160

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	510	77	110	830	72	14	35	163	0	130	270	1400
NOV												
20...	720	95	150	1100	72	16	50	169	0	140	380	1900
DEC												
18...	64	36	14	63	47	2.3	5.3	102	0	84	54	110
JAN												
29...	34	28	7.7	14	23	.6	2.5	82	0	67	34	18
FEB												
26...	40	34	9.7	19	24	.7	2.5	103	0	84	44	21
MAR												
16...	21	24	6.8	21	33	1.0	2.6	82	0	67	38	16
APR												
17...	38	31	9.1	12	18	.5	3.1	94	0	77	35	17
JUL												
19...	58	40	18	52	38	1.7	6.3	143	0	110	69	71
AUG												
16...	77	34	20	32	28	1.1	4.8	112	0	92	66	45
SEP												
05...	41	41	15	43	36	1.5	4.6	150	0	123	58	67

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

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

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CE 01850)--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...	8	1.2	.01	1.2	.75	.18	2	0	2	0	0
NOV 20...	8	.88	.01	.89	.85	.16	2	0	2	0	0
DEC 18...	127	.94	.03	.97	.50	.27	4	3	1	10	0
JAN 29...	134	1.0	.08	1.1	.45	.41	2	1	1	10	10
FEB 26...	124	.90	.04	.94	.86	.17	2	1	1	10	0
MAR 16...	318	1.0	.08	1.1	.93	.37	3	2	1	0	0
APR 17...	366	1.7	.06	1.8	.57	.25	3	2	1	0	0
JUL 19...	47	1.7	.02	1.7	.85	.10	2	1	1	1	0
AUG 16...	196	1.2	.02	1.2	.38	.32	3	2	1	0	--
SEP 05...	13	1.1	.00	1.1	.71	.15	2	0	2	0	0

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)
OCT 30...	0	0	0	0	10	0	4	1	3	20	1
NOV 20...	0	0	0	0	0	0	3	0	3	10	0
DEC 18...	10	1	1	0	10	0	180	180	2	30	15
JAN 29...	0	0	0	0	10	0	13	11	2	30	8
FEB 26...	10	0	0	0	20	0	7	4	3	50	6
MAR 16...	0	0	0	0	10	0	12	12	0	30	36
APR 17...	0	0	0	0	10	0	16	14	2	40	48
JUL 19...	1	1	0	1	0	0	4	2	2	0	3
AUG 16...	--	1	--	--	10	0	5	3	2	140	4
SEP 05...	0	0	0	0	10	0	1	0	3	0	0

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CE 01850)--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 (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	12	9	3	1	0	1	--
NOV 20...	0	0	.0	.0	.0	0	0	0	1	0	1	--
DEC 18...	13	2	.0	.0	.0	19	16	3	1	1	0	.5
JAN 29...	8	0	.0	.0	.0	11	10	1	0	0	0	.7
FEB 26...	6	0	.0	.0	.0	7	4	3	0	0	0	.1
MAR 16...	36	0	.0	.0	.0	12	12	0	0	0	0	.6
APR 17...	48	0	.1	.1	.0	13	13	0	1	1	0	.4
JUL 19...	3	0	.4	.1	.3	5	2	3	0	0	0	1.0
AUG 16...	4	0	.1	.1	.0	7	7	0	0	0	0	2.0
SEP 05...	0	0	.1	.1	.0	2	1	1	1	1	0	2.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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	4.8	.00	1	0	.0	.00	.000	.0	.000
NOV 20...	30	10	20	4.0	.00	0	0	.0	.00	.000	.0	.000
DEC 18...	100	100	0	8.5	.00	1	0	.0	--	.000	.0	.002
JAN 29...	40	30	10	7.6	.00	1	0	.0	--	.000	.0	.000
FEB 26...	30	20	10	5.7	.00	3	0	.0	--	.000	.0	.001
MAR 16...	40	30	10	12	.00	3	0	.0	--	.000	.0	.000
APR 17...	50	40	10	--	.00	2	0	.0	.00	.000	.0	.000
JUL 19...	30	30	3	3.4	.00	0	0	.0	.00	.000	.0	.000
AUG 16...	0	--	--	--	.00	2	--	.0	.00	.000	.0	.000
SEP 05...	10	10	0	--	.00	0	0	.0	.00	.000	.0	.000

MISSISSIPPI RIVER DELTA

290053089095700 SOUTH PASS (MILE 13.0 BHP) OF MISSISSIPPI RIVER NEAR PORT EADS, LA (CE 01850)--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	.00	.003	.000	.000	.00	.000	.000	.001	.00	.00
NOV 20...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	--
DEC 18...	.000	.002	.01	.004	.000	.000	.00	.000	.001	.000	.00	.00
JAN 29...	.000	.016	.00	.005	.000	.002	.00	.000	.000	.000	.00	.00
FEB 26...	.001	.003	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
MAR 16...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
APR 17...	.000	.000	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00
JUL 19...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
AUG 16...	.000	.000	.01	.005	.000	.000	.00	.000	.000	.000	.00	.00
SEP 05...	.000	.007	.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)
OCT 30...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.57	.000
NOV 20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.37	.184
DEC 18...	.00	.00	.00	.00	.00	.0	.00	.04	.02	.01	4.30	.000
JAN 29...	.00	.00	.00	.00	.00	.0	.00	.00	.03	.00	.150	.000
FEB 26...	.00	.00	.00	.00	.00	.0	.00	.03	.03	.00	.000	.000
MAR 16...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	.000	.000
APR 17...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	.680	.000
JUL 19...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.49	.000
AUG 16...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.790	.000
SEP 05...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	7.01	.000

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)

LOCATION.--Lat 28°54'42", long 89°25'30", Plaquemines Parish, Hydrologic Unit 08090100, 25 mi (40 km) south of Venice, 5.0 mi (8.0 km) southwest of Burrwood.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	1030	2400	8.2	10	7	<1.0	9.2	43	.4	7800	420	380
NOV												
20...	1135	8510	8.0	5	5	<1.0	8.2	68	.5	K1700	K270	950
DEC												
18...	1155	348	7.7	30	5	<1.0	--	--	--	9000	K600	120
JAN												
29...	0930	274	7.9	40	130	<1.0	--	29	1.7	K7000	K560	130
FEB												
26...	1140	328	7.9	30	140	<1.0	11.4	26	2.1	6400	480	120
MAR												
16...	1045	262	6.9	40	200	<1.0	9.4	18	1.0	K5800	840	100
APR												
17...	0915	296	7.5	50	80	<1.0	7.0	30	1.3	2000	540	110
JUL												
19...	0910	561	7.5	10	30	<1.0	6.3	11	.3	5800	470	170
AUG												
16...	1330	380	7.5	15	170	<1.0	6.2	16	.2	K1400	410	140
SEP												
05...	1240	1550	8.0	20	20	<1.0	6.2	14	.2	1100	150	270

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	250	60	57	390	68	8.7	19	164	0	130	150	700
NOV												
20...	810	100	170	1500	76	21	61	167	0	140	450	2600
DEC												
18...	41	34	9.4	22	27	.9	3.3	101	0	83	45	29
JAN												
29...	59	29	13	66	52	2.6	4.5	82	0	67	46	110
FEB												
26...	38	34	9.5	17	23	.7	2.5	105	0	86	40	25
MAR												
16...	39	27	8.2	23	32	1.0	3.0	76	0	62	39	37
APR												
17...	36	30	8.8	11	17	.5	3.1	92	0	75	37	20
JUL												
19...	55	40	16	45	36	1.5	4.7	135	0	110	65	61
AUG												
16...	45	30	15	22	25	.8	5.5	113	0	93	48	27
SEP												
05...	150	47	38	180	58	4.7	13	150	0	123	88	350

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

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

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)--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...	4	1.3	.01	1.3	.83	.19	2	1	1	10	10
NOV 20...	9	.92	.01	.93	.82	.16	2	0	2	0	0
DEC 18...	121	.02	.00	.02	.27	.02	3	2	1	10	0
JAN 29...	188	1.0	.06	1.1	.45	.38	3	2	1	10	10
FEB 26...	144	.90	.04	.94	.68	.17	2	1	1	20	0
MAR 16...	478	1.0	.08	1.1	.94	.32	4	3	1	0	0
APR 17...	210	1.8	.10	1.9	.71	.18	2	1	1	0	0
JUL 19...	88	1.7	.02	1.7	.64	.09	1	0	1	1	0
AUG 16...	280	1.3	.02	1.3	.43	.40	3	1	2	0	--
SEP 05...	25	1.0	.00	1.0	.60	.15	2	0	2	0	0

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)
OCT 30...	0	0	0	0	0	0	4	1	3	20	2
NOV 20...	0	0	0	0	10	0	6	5	1	0	0
DEC 18...	10	1	1	0	20	0	130	130	3	20	13
JAN 29...	0	0	0	0	10	0	10	8	2	20	8
FEB 26...	20	1	1	0	10	0	13	9	4	50	11
MAR 16...	0	0	0	0	10	0	13	13	0	30	19
APR 17...	0	0	0	0	10	0	13	11	2	10	45
JUL 19...	1	1	0	1	0	0	4	2	2	0	4
AUG 16...	--	0	--	--	20	0	4	2	2	100	7
SEP 05...	0	2	0	2	0	0	--	--	9	10	2

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	VANADIUM, DISSOLVED (UG/L AS V)
OCT 30...	2	0	.0	.0	.0	4	1	3	2	0	2	--
NOV 20...	0	0	.0	.0	.0	3	3	0	1	0	1	--
DEC 18...	11	2	.0	.0	.0	15	12	3	1	1	0	.3
JAN 29...	8	0	.0	.0	.0	11	10	1	1	0	1	.9
FEB 26...	11	0	.0	.0	.0	12	10	2	0	0	0	.1
MAR 16...	19	0	.0	.0	.0	12	12	0	1	1	0	.6
APR 17...	45	0	.0	.0	.0	10	10	0	0	0	0	.4
JUL 19...	4	0	.1	.0	.1	2	1	1	1	1	0	1.0
AUG 16...	7	0	.1	.1	.0	7	7	0	1	1	0	2.0
SEP 05...	2	0	.1	.1	.0	3	3	0	0	0	0	--

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 30...	20	10	10	4.5	.00	1	0	.0	.00	.000	.0	.000
NOV 20...	40	20	20	3.9	.00	0	0	.0	.00	.000	.0	.000
DEC 18...	70	70	0	2.9	.00	0	0	.0	--	.000	.0	.001
JAN 29...	50	40	10	6.7	.00	2	0	.0	--	.000	.0	.000
FEB 26...	40	30	10	5.0	.00	3	0	.0	--	.000	.0	.001
MAR 16...	50	40	10	7.8	.00	4	0	.0	--	.000	.0	.000
APR 17...	30	20	10	11	.00	4	0	.0	.00	.000	.0	.000
JUL 19...	30	30	3	4.6	.00	2	0	.0	.00	.000	.0	.000
AUG 16...	10	--	--	--	.00	1	--	.0	.00	.000	.0	.000
SEP 05...	2	0	2	--	.00	0	1	.0	.00	.000	.0	.000

285442089253000 SOUTHWEST PASS (MILE 20.2 BHP) OF MISSISSIPPI RIVER NEAR BURRWOOD, LA (CE 01670)--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	.02	.003	.000	.000	.00	.001	.001	.000	.00	.00
NOV 20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
DEC 18...	.000	.001	.00	.003	.000	.000	.00	.000	.001	.000	.00	.00
JAN 29...	.000	.014	.00	.004	.000	.001	.00	.000	.000	.000	.00	.00
FEB 26...	.001	.002	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
MAR 16...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
APR 17...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 19...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
AUG 16...	.000	.000	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00
SEP 05...	.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)
OCT 30...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.49	.000
NOV 20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.71	.277
DEC 18...	.00	.00	.00	.00	.00	.0	.00	.04	.02	.00	5.17	.000
JAN 29...	.00	.00	.00	.00	.00	.0	.00	.03	.03	.00	.000	.000
FEB 26...	.00	.00	.00	.00	.00	.0	.00	.02	.03	.00	.000	.000
MAR 16...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.48	.000
APR 17...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	.320	.000
JUL 19...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	2.81	.000
AUG 16...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000
SEP 05...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	6.88	.000

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)

LOCATION.--Lat 30°11'16", long 90°07'33", T.10 S., R.10 E., Jefferson Parish, Hydrologic Unit 08090202, 12.5 mi (20.1 km) north of New Orleans.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	0900	4180	7.7	1	1	<1.0	8.4	66	.6	250	K20	420
NOV												
20...	1025	6690	7.7	10	1	<1.0	8.5	53	.5	160	<5	670
DEC												
18...	0950	6970	7.8	5	6	<1.0	10.2	150	2.7	560	46	930
FEB												
22...	1010	5840	7.5	5	5	<1.0	10.6	55	2.0	980	120	620
MAR												
15...	1110	4310	7.2	20	10	<1.0	9.2	44	1.1	180	<4	440
APR												
16...	1030	3550	7.6	30	15	<1.0	7.9	39	.6	310	<4	150
19...	1410	2100	7.6	40	15	<1.0	9.0	37	2.5	<10	<4	220
20...	1210	2070	7.5	40	10	<1.0	7.8	32	1.9	K6	K6	220
21...	1055	3120	7.6	5	10	<1.0	7.5	41	.5	K20	K4	310
23...	1110	3670	7.7	10	30	<1.0	7.7	48	.6	K73	<4	370
24...	1040	4510	7.6	15	10	<1.0	8.2	85	1.0	K4	<4	470
25...	1015	3210	7.5	15	10	<1.0	8.0	43	--	180	K44	310
26...	1250	4300	7.6	20	15	<1.0	8.8	49	1.5	<2	<2	460
27...	1035	3060	6.9	20	10	<1.0	7.5	60	1.0	--	K40	290
28...	1110	2690	6.9	20	15	<1.0	7.5	40	.6	K20	K2	260
29...	1045	3050	7.1	15	30	<1.0	7.1	33	.7	K4	K4	300
30...	1440	2600	7.2	30	10	<1.0	7.5	30	.6	130	<2	260
MAY												
01...	1510	2640	7.4	30	10	<1.0	7.5	29	.8	84	<2	270
02...	1235	2710	7.3	20	15	<1.0	8.1	31	.3	92	<4	250
04...	1010	2850	7.4	15	10	<1.0	7.9	26	.6	<4	<2	290
05...	1050	2900	7.4	20	7	<1.0	7.9	33	1.2	K19	K4	290
06...	1000	3180	7.4	20	6	<1.0	8.0	35	.4	K28	K1	320
07...	1220	2910	7.7	15	8	<1.0	9.4	32	.9	K4	<4	290
08...	1115	2730	7.9	15	7	<1.0	9.9	30	2.4	<4	<4	270
09...	1230	2260	8.2	20	8	<1.0	10.5	17	3.5	K12	<4	230
10...	1230	1610	8.5	20	6	<1.0	10.4	33	3.7	<4	<4	190
11...	1040	1920	8.0	15	8	<1.0	9.0	29	1.4	K44	K16	210
12...	1015	1870	7.8	20	7	<1.0	7.5	65	.8	K12	<4	210
15...	0945	1370	7.6	20	15	<1.0	7.6	17	.5	K4	<4	160
16...	1100	1970	7.4	30	5	<1.0	7.7	27	1.4	1300	K4	210
17...	0953	1370	7.4	20	6	<1.0	7.9	19	1.6	120	<4	160
18...	0955	1540	7.4	20	5	<1.0	7.7	20	.6	K40	<2	170
19...	0825	1490	7.6	10	15	<1.0	8.0	26	1.1	88	<2	170
20...	0825	2000	7.5	20	10	<1.0	7.8	29	.6	100	K20	210
20...	0825	2000	7.5	20	10	<1.0	7.8	29	.6	100	K20	210
21...	1040	836	7.1	50	20	<1.0	6.8	26	1.3	<4	<2	89
24...	0935	1330	7.4	60	30	<1.0	7.5	24	1.8	130	<2	140
25...	1020	1310	7.4	30	15	<1.0	7.4	24	.7	K4	<2	140
29...	1050	1020	7.4	30	50	<1.0	7.4	25	--	<4	<2	110
30...	0910	1450	7.8	20	30	<1.0	7.6	22	.1	<4	<2	170
31...	0945	415	7.2	120	100	<1.0	7.3	41	1.5	K10	<2	54
JUN												
01...	0930	1170	7.3	40	30	<1.0	8.2	23	.9	<4	<2	130
02...	0945	618	7.1	100	80	<1.0	7.9	32	2.2	K52	--	70
03...	0840	927	7.3	60	50	<1.0	7.2	15	.7	K12	<2	110
04...	1120	1230	7.6	30	15	<1.0	8.1	11	.7	K4	<10	140
05...	0950	566	7.2	50	25	<1.0	7.0	18	.6	<2	<2	79
06...	1040	579	7.4	30	30	<1.0	7.1	19	1.1	K22	<4	93
07...	1010	696	7.4	20	30	<1.0	6.8	18	.3	K4	<2	98
08...	1030	1030	7.1	20	20	<1.0	6.5	17	1.1	K4	<2	120
09...	1020	1500	7.5	5	10	<1.0	7.4	23	.1	K4	<2	170
10...	0955	1510	7.5	30	10	<1.0	7.9	20	.7	<4	<2	170
11...	1145	1660	7.6	20	7	<1.0	7.2	19	4.0	K100	K1	180
12...	1105	1640	7.3	30	5	<1.0	7.3	17	.6	K60	K1	170
13...	1035	1630	7.4	15	15	<1.0	7.7	25	--	K50	K1	170
14...	0945	1660	7.3	5	6	<1.0	7.5	20	.5	<10	<1	170
JUL												
18...	1125	888	7.5	10	10	<1.0	7.4	18	1.0	K12	K4	130
AUG												
15...	1055	2100	7.1	15	7	<1.0	6.9	34	.6	K12	K2	160
SEP												
04...	1425	2700	7.5	20	7	<1.0	7.9	23	.4	<4	<2	290

< 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).

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	390	32	83	700	77	15	31	41	0	34	180	1200
NOV												
20...	620	53	130	1100	77	19	48	53	0	43	310	2000
DEC												
18...	880	58	190	1100	71	16	55	61	0	50	340	2100
FEB												
22...	570	49	120	1000	76	18	45	52	0	43	250	1900
MAR												
15...	400	38	83	700	76	15	29	43	0	35	190	1300
APR												
16...	110	35	15	550	89	20	2.5	44	0	36	170	800
19...	190	21	40	330	75	9.7	15	32	0	26	91	560
20...	190	21	40	310	74	9.2	15	31	0	25	86	550
21...	290	27	60	490	76	12	22	34	0	28	140	850
23...	340	33	70	590	76	13	26	41	0	34	170	1000
24...	430	38	90	740	76	15	31	44	0	36	200	800
25...	280	27	60	510	76	13	23	37	0	30	130	900
26...	420	39	88	670	75	14	31	47	0	39	190	1200
27...	260	26	55	480	77	12	22	35	0	29	130	840
28...	230	24	48	410	76	11	19	38	0	31	120	690
29...	270	27	57	480	76	12	22	38	0	31	130	850
30...	230	23	49	410	76	11	18	33	0	27	120	690
MAY												
01...	240	26	50	410	75	11	19	34	0	28	110	720
02...	220	25	46	410	76	11	21	35	0	29	110	770
04...	260	27	55	430	74	11	22	38	0	31	120	830
05...	260	27	55	450	75	11	22	39	0	32	120	830
06...	290	28	60	500	76	12	24	36	0	30	130	930
07...	260	26	55	450	75	11	22	39	0	32	130	850
08...	240	25	50	440	77	12	20	38	0	31	120	770
09...	200	25	41	360	76	10	17	44	0	36	120	630
10...	150	25	32	250	72	7.8	12	51	2	45	78	430
11...	170	24	36	290	74	8.7	14	51	0	42	30	500
12...	170	25	37	290	73	8.6	14	51	0	42	86	510
15...	120	21	26	210	73	7.2	10	50	0	41	72	370
16...	160	23	36	300	75	9.1	14	50	0	41	88	540
17...	120	20	26	210	73	7.3	10	48	0	39	65	350
18...	130	21	29	230	73	7.6	12	47	0	39	75	410
19...	130	21	28	220	72	7.4	11	47	0	39	71	380
20...	170	22	37	320	75	9.7	15	43	0	35	96	550
20...	170	22	37	320	75	9.7	15	43	0	35	96	550
21...	67	9.2	16	130	74	6.0	7.1	27	0	22	36	220
24...	110	15	25	200	74	7.3	10	35	0	29	59	350
25...	130	15	25	190	73	7.0	10	14	0	11	60	340
29...	85	14	19	150	72	6.1	8.5	34	0	28	47	260
30...	130	23	27	210	71	7.0	11	43	0	35	67	360
31...	30	8.9	7.7	57	68	3.4	4.4	29	0	24	20	91
JUN												
01...	100	16	23	180	73	6.8	9.5	38	0	31	56	300
02...	44	9.7	11	88	71	4.6	5.6	31	0	25	30	140
03...	80	13	18	140	72	5.9	7.6	33	0	27	45	230
04...	110	15	24	180	73	6.7	9.6	35	0	29	61	300
05...	49	12	12	78	66	3.8	5.0	36	0	30	31	130
06...	52	16	13	78	63	3.5	5.3	50	0	41	37	130
07...	57	16	14	93	66	4.1	5.8	49	0	40	43	160
08...	89	14	20	150	72	6.0	8.1	38	0	31	54	260
09...	130	18	30	220	72	7.4	11	41	0	34	76	400
10...	140	19	30	220	72	7.3	11	39	0	32	77	400
11...	150	19	32	250	74	8.1	12	37	0	30	86	450
12...	140	19	30	240	74	8.0	12	34	0	28	80	420
13...	140	17	31	250	74	8.3	13	37	0	30	80	450
14...	140	17	30	250	75	8.4	12	35	0	29	80	460
JUL												
18...	73	20	20	120	64	4.4	7.8	72	0	59	59	210
AUG												
15...	120	--	40	--	--	--	16	51	0	42	120	550
SEP												
04...	250	29	54	430	75	11	20	57	0	47	160	750

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--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, AMMONIA + 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...	3	.00	.01	.01	.60	.02	1	0	1	0	0
NOV											
20...	0	.01	.01	.02	.55	.03	1	0	1	0	0
DEC											
18...	3	.01	.00	.01	.46	.06	2	0	2	10	0
FEB											
22...	28	.01	.00	.01	.44	.04	1	0	1	0	0
MAR											
15...	21	.03	.02	.05	.68	.02	1	1	0	0	0
APR											
16...	31	.00	.04	.04	.72	.03	0	0	0	0	0
19...	65	.14	.04	.18	.74	.06	1	1	0	0	0
20...	7	.20	.02	.22	.55	.17	1	1	0	0	0
21...	9	.00	.02	.02	.52	.02	1	1	0	0	0
23...	43	.04	.00	.04	.47	.03	1	1	0	0	0
24...	13	.01	.00	.01	.42	.02	1	0	1	0	0
25...	5	.03	.02	.05	.48	.03	1	0	1	0	0
26...	30	.00	.02	.00	.42	.04	1	1	0	0	0
27...	15	.01	.02	.03	.43	.04	0	0	0	0	0
28...	20	.08	.06	.14	.53	.05	1	1	0	0	0
29...	18	.05	.02	.07	.43	.04	1	1	0	0	0
30...	14	.08	.06	.14	.52	.04	0	0	0	0	0
MAY											
01...	11	.05	.02	.07	.46	.04	0	0	0	0	0
02...	13	.11	.02	.13	.46	.04	1	0	1	0	0
04...	13	.09	.02	.11	.51	.04	1	0	1	0	0
05...	9	.08	.04	.12	.43	.03	1	1	0	0	0
06...	10	.02	.02	.04	.34	.03	1	1	0	0	0
07...	10	.00	.04	.04	.41	.04	1	1	0	0	0
08...	8	.00	.04	.04	.81	.06	1	0	1	0	0
09...	12	.19	.02	.21	.51	.04	1	0	1	0	0
10...	7	.48	.02	.50	.44	.04	1	0	1	0	0
11...	12	.34	.02	.36	.43	.03	1	0	1	0	0
12...	3	.35	.02	.37	.53	.03	1	0	1	0	0
15...	9	.67	.02	.69	.56	.02	1	0	1	0	0
16...	0	.07	.02	.09	.43	.02	1	0	1	0	0
17...	5	.52	.02	.54	.63	.02	1	0	1	0	0
18...	4	.45	.02	.47	.43	.03	1	1	0	0	0
19...	13	.43	.02	.45	.48	.03	1	0	1	0	0
20...	13	.31	.02	.33	.41	.03	1	0	1	0	0
20...	13	.31	.02	.33	.41	.03	1	0	1	0	0
21...	18	.13	.02	.15	.52	.07	1	0	1	0	0
24...	29	.21	.02	.23	.50	.03	1	0	1	0	0
25...	5	.28	.02	.30	.51	.04	2	1	1	10	10
29...	55	.24	.06	.30	.82	.08	1	0	1	0	0
30...	46	.38	.02	.40	.43	.06	1	1	0	0	0
31...	136	.19	.10	.29	.62	.17	3	2	1	0	0
JUN											
01...	24	.26	.04	.30	.08	.03	1	1	0	0	0
02...	57	.18	.14	.32	.27	.10	2	1	1	0	0
03...	44	.24	.10	.34	.57	.08	1	0	1	0	0
04...	8	.18	.02	.20	.42	.04	1	0	1	0	0
05...	19	.31	.02	.33	.41	.07	1	0	1	0	0
06...	16	.53	.06	.59	.43	.08	1	0	1	0	0
07...	15	.50	.04	.54	.58	.06	2	2	0	0	0
08...	23	.23	.02	.25	.38	.08	1	1	0	0	0
09...	11	--	.38	--	.51	.04	1	1	0	0	0
10...	17	.22	.02	.24	.61	.03	1	1	0	0	0
11...	10	.16	.02	.18	.41	.03	1	1	0	0	0
12...	3	.10	.02	.12	.46	.03	--	--	1	1	0
13...	13	.13	.02	.15	.40	.35	1	0	1	1	0
14...	5	.10	.02	.12	.39	.63	1	0	1	1	0
JUL											
18...	12	.30	.06	.36	.59	.02	1	0	1	1	0
AUG											
15...	7	.00	.02	.02	.38	.05	1	0	1	0	0
SEP											
04...	6	.00	.00	.00	.64	.03	1	0	1	0	0

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
30...	0	1	0	1	0	0	2	2	0	20	1
NOV											
20...	0	0	0	0	10	0	2	1	1	20	0
DEC											
18...	10	0	0	0	10	2	3	2	1	10	4
FEB											
22...	0	0	0	0	20	0	2	0	2	10	0
MAR											
15...	0	0	0	0	0	0	1	0	1	30	16
APR											
16...	0	0	0	0	10	0	8	7	1	0	18
19...	0	0	0	0	0	0	15	15	0	10	66
20...	0	0	0	0	0	0	10	9	1	40	36
21...	0	0	0	0	10	0	2	1	1	10	17
23...	0	0	0	0	0	0	2	1	1	10	9
24...	0	0	0	0	0	0	2	0	2	40	10
25...	0	0	0	0	0	0	4	0	4	20	13
26...	0	0	0	0	10	0	4	1	3	0	15
27...	0	0	0	0	10	0	4	3	1	40	14
28...	0	0	0	0	0	0	4	1	3	30	16
29...	0	0	0	0	10	0	42	41	1	10	55
30...	0	0	0	0	10	0	5	4	1	40	24
MAY											
01...	0	1	1	0	0	0	1	0	1	70	21
02...	0	0	0	0	0	0	2	2	0	10	4
04...	0	1	1	0	0	0	3	3	0	0	8
05...	0	1	1	0	0	0	3	3	0	0	4
06...	0	1	1	0	10	0	3	3	0	10	3
07...	0	1	1	0	10	0	3	3	0	0	6
08...	0	0	0	0	10	0	4	3	1	40	4
09...	0	1	1	0	0	0	3	3	0	10	87
10...	0	0	0	0	10	0	23	22	1	10	24
11...	0	0	0	0	0	0	5	4	1	10	6
12...	0	1	1	0	0	0	3	3	0	0	9
15...	0	0	0	0	0	0	2	1	1	20	1
16...	0	0	0	0	0	0	4	3	1	30	6
17...	0	0	0	0	10	0	4	3	1	20	5
18...	0	1	0	1	0	0	25	24	1	0	26
19...	0	0	0	0	0	0	4	3	1	10	6
20...	0	0	0	0	0	0	4	3	1	20	3
20...	0	0	0	0	0	0	4	3	1	20	3
21...	0	0	0	0	10	0	4	3	1	100	5
24...	0	1	1	0	0	0	4	2	2	40	11
25...	0	0	0	0	0	0	4	2	2	20	11
29...	0	0	0	0	0	0	5	2	3	30	11
30...	0	0	0	0	0	0	5	2	3	10	9
31...	0	0	0	0	10	0	9	4	5	40	13
JUN											
01...	0	1	0	1	10	0	3	1	2	20	9
02...	0	1	0	1	10	0	5	0	5	80	7
03...	0	1	0	1	0	0	3	1	2	50	4
04...	0	0	0	0	0	0	3	0	3	20	4
05...	0	1	0	1	0	0	4	2	2	30	6
06...	0	1	0	1	0	0	8	7	1	40	5
07...	0	1	0	1	0	0	5	4	1	10	5
08...	0	1	0	1	0	0	3	2	1	70	3
09...	0	1	0	1	0	0	2	2	0	0	3
10...	0	1	0	1	0	0	3	3	0	10	3
11...	0	1	0	1	0	0	4	2	2	10	14
12...	1	1	0	1	10	0	4	2	2	10	21
13...	1	1	0	1	0	0	4	2	2	10	150
14...	1	1	0	1	0	0	9	8	1	10	9
JUL											
18...	1	1	0	1	0	0	2	0	2	0	3
AUG											
15...	0	0	0	0	10	0	2	0	2	0	4
SEP											
04...	0	0	0	0	10	0	1	1	0	10	0

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT												
30...	1	0	.0	.0	.0	2	0	2	0	0	0	10
NOV												
20...	0	0	.0	.0	.0	0	0	0	1	0	1	20
DEC												
18...	4	0	.0	.0	.0	3	0	3	1	0	1	10
FEB												
22...	0	0	.0	.0	.0	1	0	1	0	0	0	20
MAR												
15...	16	0	.0	.0	.0	1	1	0	0	0	0	20
APR												
16...	18	0	.0	.0	.0	2	2	0	0	0	0	30
19...	66	0	.0	.0	.0	4	4	0	0	0	0	30
20...	36	0	.0	.0	.0	6	6	0	1	0	1	30
21...	17	0	.0	.0	.0	2	2	0	0	0	0	20
23...	9	0	.0	.0	.0	2	2	0	0	0	0	20
24...	10	0	.0	.0	.0	3	3	0	1	0	1	20
25...	12	1	.0	.0	.0	3	2	1	0	0	0	20
26...	14	1	.0	.0	.0	3	3	0	0	0	0	20
27...	14	0	.0	.0	.0	4	4	0	1	0	1	10
28...	16	0	.0	.0	.0	3	3	0	0	0	0	10
29...	55	0	.0	.0	.0	3	3	0	0	0	0	50
30...	24	0	.0	.0	.0	3	3	0	0	0	0	10
MAY												
01...	21	0	.0	.0	.0	4	4	0	0	0	0	30
02...	4	0	.0	.0	.0	2	0	2	0	0	0	10
04...	8	0	.2	.2	.0	3	1	2	0	0	0	10
05...	4	0	.1	.0	.1	3	1	2	0	0	0	20
06...	3	0	.1	.0	.1	5	3	2	0	0	0	20
07...	6	0	.1	.1	.0	3	0	3	0	0	0	20
08...	4	0	.0	.0	.0	3	3	0	0	0	0	10
09...	87	0	.1	.0	.1	6	3	3	1	0	1	10
10...	24	0	.0	.0	.0	3	3	0	1	1	0	30
11...	6	0	.0	.0	.0	9	9	0	0	0	0	10
12...	9	0	.1	.0	.1	6	6	0	0	0	0	10
15...	1	0	.0	.0	.0	3	3	0	0	0	0	10
16...	6	0	.0	.0	.0	4	4	0	0	0	0	10
17...	5	0	.0	.0	.0	3	3	0	1	0	1	10
18...	26	0	.0	.0	.0	4	4	0	1	0	1	30
19...	6	0	.0	.0	.0	4	4	0	0	0	0	10
20...	3	0	.1	.0	.1	3	3	0	0	0	0	10
20...	3	0	.1	.0	.1	3	3	0	0	0	0	10
21...	5	0	.0	.0	.0	2	2	0	0	0	0	10
24...	10	1	.0	.0	.0	3	1	2	0	0	0	10
25...	10	1	.0	.0	.0	2	1	1	0	0	0	10
29...	10	1	.0	.0	.0	5	3	2	0	0	0	20

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--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	10	6.2	.00	0	0	.0	.00	.000	.0	.000	.000
NOV												
20...	0	20	6.2	.00	1	0	.0	.00	.000	.0	.000	.000
DEC												
18...	0	10	5.5	.00	0	0	.0	--	.000	.0	.000	.000
FEB												
22...	0	20	6.7	.00	0	0	.0	--	.000	.0	.000	.000
MAR												
15...	0	20	7.6	.00	2	0	.0	--	.000	.0	.000	.000
APR												
16...	20	10	7.4	.00	3	0	.0	.00	.000	.0	.000	.000
19...	10	20	9.0	.00	4	0	.0	.00	.000	.0	.000	.000
20...	20	10	7.2	.00	38	0	.0	.00	.000	.0	.000	.000
21...	10	10	7.4	.00	3	0	.0	.00	.000	.0	.000	.000
23...	10	10	7.8	.00	8	0	.0	.00	.000	.0	.000	.000
24...	10	10	5.9	.00	1	0	.0	.00	.000	.0	.000	.000
25...	10	10	--	.00	1	0	.0	.00	.000	.0	.000	.000
26...	10	10	5.6	.00	0	5	.0	.00	.000	.0	.000	.000
27...	0	10	7.3	.00	0	0	.0	.00	.000	.0	.000	.000
28...	0	10	7.0	.00	0	0	.0	.00	.000	.0	.000	.000
29...	40	10	6.1	.00	1	0	.0	.00	.000	.0	.000	.000
30...	0	10	7.8	.00	3	0	.0	.00	.000	.0	.000	.000
MAY												
01...	20	10	7.7	.00	3	0	.0	.00	.000	.0	.000	.000
02...	0	10	6.9	.00	1	--	.0	.00	.000	.0	.000	.000
04...	0	10	6.8	.00	3	--	--	--	--	--	--	--
05...	10	10	5.9	.00	1	0	.0	.00	.000	.0	.000	.000
06...	10	10	6.2	.00	0	0	.0	.00	.000	.0	.000	.000
07...	10	10	7.9	.00	1	0	--	--	--	--	--	--
08...	0	10	7.6	.00	0	--	.0	.00	.000	.0	.000	.000
09...	0	10	7.7	.00	1	--	.0	.00	.000	.0	.000	.000
10...	20	10	5.6	.00	0	--	.0	.00	.000	.0	.000	.000
11...	0	10	7.7	.00	0	--	.0	.00	.000	.0	.000	.000
12...	0	10	--	.00	1	--	.0	.00	.000	.0	.000	.000
15...	0	10	5.6	.00	1	--	.0	.00	.000	.0	.000	.000
16...	0	10	8.6	.00	2	--	.0	.00	.000	.0	.000	.000
17...	0	10	6.4	.00	2	--	.0	.00	.000	.0	.000	.000
18...	20	10	5.2	.00	0	--	.0	.00	.000	.0	.000	.000
19...	0	10	6.5	.00	0	--	.0	.00	.000	.0	.000	.000
20...	0	10	7.1	.00	0	--	.0	.00	.000	.0	.000	.000
20...	0	10	7.1	.00	0	--	.0	.00	.000	.0	.000	.000
21...	0	10	--	.00	2	--	.0	.00	.000	.0	.000	.000
24...	0	10	8.2	.00	3	0	.0	.00	.000	.0	.000	.000
25...	0	10	6.9	.00	3	0	.0	.00	.000	.0	.000	.000
29...	20	0	7.7	.00	4	0	.0	.00	.000	.0	.000	.000

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--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)
OCT												
30...	.000	.00	.001	.000	.000	.00	.000	.000	.001	.00	.00	.00
NOV												
20...	.000	.02	.000	.002	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
18...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB												
22...	.002	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
MAR												
15...	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
APR												
16...	.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
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	.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	.00	.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	.00	.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	.01	.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	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
19...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
20...	.000	.01	.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	.01	.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	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
29...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--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	.01	.00	2.14	.000
NOV											
20...	.00	.00	.00	.00	.0	.00	.03	.00	.00	3.18	.369
DEC											
18...	.00	.00	.00	.00	.0	.00	.00	.00	.00	10.6	.000
FEB											
22...	.00	.00	.00	.00	.0	.00	.01	.00	.00	8.84	.000
MAR											
15...	.00	.00	.00	.00	.0	.00	.03	.00	.00	6.98	.000
APR											
16...	.00	.00	.00	.00	.0	.00	.01	.01	.00	6.56	.000
19...	.00	.00	.00	.00	.0	.00	.02	.02	.00	18.2	.000
20...	.00	.00	.00	.00	.0	.00	.01	.02	.00	3.30	.000
21...	.00	.00	.00	.00	.0	.00	--	--	--	7.56	.000
23...	.00	.00	.00	.00	.0	.00	.02	.01	.00	3.40	.000
24...	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.97	.000
25...	.00	.00	.00	.00	.0	.00	.01	.02	.00	3.26	.000
26...	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.31	.000
27...	.00	.00	.00	.00	.0	.00	.05	.01	.00	4.66	.000
28...	.00	.00	.00	.00	.0	.00	.03	.01	.00	4.95	.000
29...	.00	.00	.00	.00	.0	.00	.04	.01	.00	6.06	.000
30...	.00	.00	.00	.00	.0	.00	.05	.01	.00	1.62	.000
MAY											
01...	.00	.00	.00	.00	.0	.00	.05	.01	.00	5.99	.000
02...	.00	.00	.00	.00	.0	.00	--	--	--	7.53	.000
04...	--	--	--	--	--	--	--	--	--	7.80	.000
05...	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.00	.000
06...	.00	.00	.00	.00	.0	.00	--	--	--	5.32	.000
07...	--	--	--	--	--	--	--	--	--	41.7	10.5
08...	.00	.00	.00	.00	.0	.00	.02	.01	.00	79.6	21.8
09...	.00	.00	.00	.00	.0	.00	.02	.00	.00	42.6	.000
10...	.00	.00	.00	.00	.0	.00	--	--	--	85.1	12.1
11...	.00	.00	.00	.00	.0	.00	--	--	--	27.2	.000
12...	.00	.00	.00	.00	.0	.00	.01	.01	.00	12.7	.000
15...	.00	.00	.00	.00	.0	.00	--	--	--	7.07	.000
16...	.00	.00	.00	.00	.0	.00	.02	.01	.00	2.96	.000
17...	.00	.00	.00	.00	.0	.00	.03	.01	.00	5.60	.000
18...	.00	.00	.00	.00	.0	.00	.05	.02	.00	3.75	.000
19...	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.00	.000
20...	.00	.00	.00	.00	.0	.00	--	--	--	4.53	.000
20...	.00	.00	.00	.00	.0	.00	--	--	--	4.53	.000
21...	.00	.00	.00	.00	.0	.00	--	--	--	12.3	.000
24...	.00	.00	.00	.00	.0	.00	.05	.01	.00	5.60	.000
25...	.00	.00	.00	.00	.0	.00	.04	.01	.00	3.36	.000
29...	.00	.01	.00	.00	.0	.00	.04	.01	.00	14.5	.000

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--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 (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												
30...	7	2	.0	.0	.0	5	3	2	0	0	0	--
31...	12	1	.1	.1	.0	6	4	2	0	0	0	.4
JUN												
01...	9	0	.0	.0	.0	3	1	2	0	0	0	--
02...	7	0	.1	.1	.0	5	2	3	1	0	1	--
03...	4	0	.0	.0	.0	5	2	3	0	0	0	--
04...	4	0	.0	.0	.0	4	2	2	0	0	0	--
05...	6	0	.0	.0	.0	2	0	2	0	0	0	--
06...	4	1	.0	.0	.0	6	3	3	0	0	0	--
07...	5	0	.0	.0	.0	5	1	4	0	0	0	--
08...	3	0	.0	.0	.0	5	1	4	0	0	0	--
09...	3	0	.0	.0	.0	5	2	3	0	0	0	--
10...	2	1	.0	.0	.0	4	0	4	0	0	0	--
11...	14	0	.0	.0	.0	4	0	4	0	0	0	--
12...	21	0	.0	.0	.0	4	0	4	0	0	0	--
13...	150	0	.0	.0	.0	4	0	4	0	0	0	--
14...	9	0	.0	.0	.0	4	0	4	0	0	0	--
JUL												
18...	3	0	.1	.1	.0	3	3	0	0	0	0	--
AUG												
15...	4	0	.0	.0	.0	2	2	0	0	0	0	--
SEP												
04...	0	0	.0	.0	.0	0	0	0	0	0	0	--

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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												
30...	20	10	10	6.0	.00	2	0	.0	.00	.000	.0	.000
31...	30	20	10	16	.00	3	0	.0	.00	.000	.0	.000
JUN												
01...	20	10	10	8.7	.00	3	0	.0	.00	.000	.0	.000
02...	10	0	10	12	.00	3	0	.0	.00	.000	.0	.000
03...	20	10	10	8.7	.00	0	0	.0	.00	.000	.0	.000
04...	20	20	0	8.1	.00	1	--	.0	.00	.000	.0	.000
05...	10	0	10	8.9	.00	0	--	--	--	--	--	--
06...	10	0	10	6.3	.00	0	--	.0	.00	.000	.0	.000
07...	20	10	10	7.4	.00	2	--	.0	.00	.000	.0	.000
08...	20	10	10	7.4	.00	0	--	--	--	--	--	--
09...	10	0	10	--	.00	2	--	--	--	--	--	--
10...	10	0	10	--	.00	4	--	--	--	--	--	--
11...	10	0	10	--	.00	2	--	--	--	--	--	--
12...	10	7	3	--	.00	0	--	.0	.00	.000	.0	.000
13...	40	40	3	--	.00	0	--	.0	.00	.000	.0	.000
14...	20	20	3	--	--	2	--	.0	.00	.000	.0	.000
JUL												
18...	0	0	3	5.4	.00	0	--	.0	.00	.000	.0	.000
AUG												
15...	10	0	8	--	.00	1	0	.0	.00	.000	.0	.000
SEP												
04...	0	0	0	--	.00	2	--	.0	.00	.000	.0	.000

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--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)
MAY												
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	.00	.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	.00	.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	.00	.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	.00	.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)	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)
MAY												
30...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	7.88	.000
31...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	3.85	.000
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	14.4	.000
02...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	15.6	3.44
03...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	6.11	.000
04...	.00	.00	.00	.00	.00	.0	.00	--	--	--	10.7	.000
05...	--	--	--	--	--	--	--	--	--	--	13.3	.870
06...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	8.29	.000
07...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.59	.000
08...	--	--	--	--	--	--	--	--	--	--	6.89	.000
09...	--	--	--	--	--	--	--	--	--	--	6.41	.000
10...	--	--	--	--	--	--	--	--	--	--	5.29	.000
11...	--	--	--	--	--	--	--	--	--	--	2.90	.000
12...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.77	.000
13...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	5.93	.000
14...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.62	.000
JUL												
18...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	14.9	.000
AUG												
15...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.07	.000
SEP												
04...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	8.24	.000

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)

LOCATION.--Lat 30°10'15", long 89°45'15", T.10 S., R.14 E., Orleans Parish, Hydrologic Unit 08090202, 5.8 mi (9.3 km) south-southeast of Slidell.

DRAINAGE AREA.--Indeterminate.

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

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-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
APR												
19...	1455	3870	7.8	30	10	<1.0	9.0	36	2.7	<10	<4	380
20...	1245	4000	7.8	5	7	<1.0	8.4	50	1.6	K6	K4	410
21...	1145	2850	7.4	20	20	<1.0	7.4	37	.4	K20	K4	270
23...	1145	2120	7.4	30	50	<1.0	7.7	30	.3	K70	K8	190
24...	1110	3020	7.4	30	25	<1.0	8.0	36	.9	K12	K4	300
25...	1105	3010	7.4	20	15	<1.0	7.7	37	3.7	K64	K24	310
26...	1345	3190	7.7	15	25	<1.0	8.4	41	1.7	K6	K2	320
27...	1135	3040	7.4	20	20	<1.0	8.1	39	.8	K2	K2	310
28...	1140	4000	7.0	5	50	<1.0	8.3	130	1.1	K4	<2	380
29...	1145	3640	7.2	10	10	<1.0	7.7	31	.5	K24	<2	370
30...	1535	3060	7.2	10	25	<1.0	8.8	35	.8	180	<2	310
MAY												
01...	1610	2460	7.8	15	15	<1.0	8.3	29	.7	150	<2	250
02...	1315	2300	7.2	15	25	<1.0	8.3	30	.6	130	<4	250
04...	1050	568	7.7	15	55	<1.0	8.1	18	.7	K12	K2	140
05...	1135	337	7.8	30	75	<1.0	8.5	17	.9	<2	<2	110
06...	1055	437	7.7	50	65	<1.0	7.7	18	.4	K40	K2	110
07...	1250	738	8.0	15	50	<1.0	7.7	16	.5	K16	<4	130
08...	1200	772	7.9	15	30	<1.0	7.9	18	.8	<4	<4	140
09...	1325	855	8.0	15	25	<1.0	8.4	23	1.2	K16	<4	140
10...	1320	871	7.8	20	25	<1.0	8.0	20	1.1	K4	<4	140
11...	1125	947	7.9	20	20	<1.0	9.6	16	2.3	440	<4	140
12...	1055	851	7.9	30	25	<1.0	7.5	16	.2	K12	K8	--
15...	1035	952	7.8	30	40	<1.0	7.4	20	.0	<4	<4	170
16...	1140	1010	7.7	20	40	<1.0	7.6	24	.2	560	K4	150
17...	1045	397	7.9	20	20	<1.0	7.8	32	.6	280	<4	120
18...	1050	815	7.8	40	25	<1.0	7.7	20	.8	1100	K12	140
19...	0855	395	7.8	15	20	<1.0	8.1	14	.7	400	2	120
20...	0900	410	7.9	20	30	<1.0	8.3	17	1.1	330	<2	120
21...	1115	395	8.1	15	20	<1.0	7.6	14	.4	K20	<2	120
22...	0920	581	8.0	30	25	<1.0	6.9	19	.0	K32	<2	120
23...	1130	600	7.9	40	25	<1.0	7.1	21	.7	K12	K4	110
24...	1025	654	8.0	30	30	<1.0	8.1	19	1.4	620	10	130
25...	1055	667	7.9	40	30	<1.0	7.7	--	.5	K20	<2	130
29...	1130	751	7.9	20	25	<1.0	7.9	14	.5	K24	K2	130
30...	1330	617	7.6	40	35	<1.0	7.6	17	.2	<4	K2	100
31...	1025	914	7.9	30	20	<1.0	8.0	16	.6	K4	<2	130
JUN												
01...	1000	782	7.8	50	70	<1.0	8.0	18	.8	140	12	120
02...	1030	853	7.8	30	20	<1.0	7.9	18	.2	150	<2	130
03...	0940	942	8.0	20	15	<1.0	7.8	11	.2	K28	K2	140

< 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).

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--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...	9	.00	.04	.04	.45	.05	1	1	0	0	0
20...	6	.02	.00	.02	.55	.03	1	0	1	0	0
21...	18	.06	.00	.06	.52	.04	1	1	0	0	0
23...	99	.00	.06	.06	.58	.09	1	1	0	0	0
24...	29	.03	.02	.05	.62	.04	1	1	0	0	0
25...	18	.03	.02	.05	.52	.04	1	1	0	0	0
26...	65	.06	.12	.18	.40	.05	1	1	0	0	0
27...	24	.03	.02	.05	.42	.03	0	0	0	0	0
28...	49	.00	.04	.04	.53	.06	1	0	1	0	0
29...	12	.00	.02	.02	.50	.03	1	0	0	0	0
30...	32	.00	.02	.02	.53	.04	0	0	0	0	0
MAY											
01...	16	.29	.02	.31	.42	.04	0	0	0	0	0
02...	25	.27	.04	.31	.39	.05	1	0	1	0	0
04...	68	1.5	.08	1.6	.62	.10	2	1	1	0	0
05...	77	1.7	.04	1.7	.49	.13	2	1	1	0	0
06...	46	1.7	.02	1.7	.53	.11	1	0	1	0	0
07...	45	1.3	.06	1.4	.49	.10	1	1	1	0	0
08...	12	1.4	.02	1.4	.47	.08	2	1	1	0	0
09...	11	1.3	.04	1.3	.47	.07	1	0	1	0	0
10...	6	1.1	.02	1.1	.53	.07	1	0	1	0	0
11...	18	.92	.02	.94	.44	.07	1	0	1	0	0
12...	--	1.1	.02	1.1	.53	.06	--	--	--	--	--
15...	30	.85	.02	.87	.65	.05	2	1	1	0	0
16...	21	.73	.02	.75	.37	.07	2	1	1	0	0
17...	19	.25	.02	.27	.51	.03	1	0	1	0	0
18...	12	.98	.02	1.0	.38	.07	1	0	1	0	0
19...	9	1.7	.02	1.7	.65	.08	1	0	1	0	0
20...	14	1.6	.02	1.6	.52	.08	1	0	1	0	0
21...	3	1.7	.04	1.7	.53	.07	1	0	1	0	0
22...	12	1.1	.02	1.1	.52	.08	2	1	1	10	0
23...	25	.98	.02	1.0	.48	.08	1	0	1	0	0
24...	14	1.3	.02	1.3	.50	.06	1	0	1	0	0
25...	19	1.3	--	--	--	--	1	0	1	0	0
29...	8	1.2	.04	1.2	.56	.07	1	0	1	0	0
30...	14	.80	.04	.84	.45	.09	1	0	1	0	0
31...	19	.79	.02	.81	.49	.07	1	1	0	0	0
JUN											
01...	18	.85	.00	.89	.00	.00	1	0	1	0	0
02...	14	.96	.00	1.0	.00	.00	1	0	1	0	0
03...	16	.85	.02	.87	.42	.08	1	0	1	0	0

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
APR											
19...	0	0	0	0	10	0	6	5	1	0	23
20...	0	0	0	0	10	0	8	7	1	0	85
21...	0	0	0	0	0	0	5	4	1	40	20
23...	0	0	0	0	10	0	5	4	1	10	26
24...	0	0	0	0	10	0	4	2	2	50	16
25...	0	0	0	0	0	0	8	6	2	30	20
26...	0	0	0	0	0	0	4	1	3	10	16
27...	0	0	0	0	10	0	6	5	1	10	15
28...	0	0	0	0	10	0	5	2	3	20	45
29...	0	0	0	0	10	0	6	5	1	0	42
30...	0	0	0	0	10	0	5	4	1	10	11
MAY											
01...	0	1	1	0	0	0	4	3	1	30	8
02...	0	1	1	0	0	0	0	0	0	10	5
04...	0	0	0	0	0	0	4	3	1	0	6
05...	0	1	1	0	10	0	3	3	0	10	7
06...	10	1	1	0	0	0	3	3	0	10	7
07...	0	1	1	0	10	0	3	3	0	0	8
08...	0	0	0	0	0	0	6	4	2	10	6
09...	0	1	1	0	10	0	3	3	0	10	15
10...	0	0	0	0	0	0	5	4	1	20	6
11...	0	0	0	0	10	0	12	11	1	20	73
12...	--	--	--	--	--	--	--	--	--	--	--
15...	0	0	0	0	10	0	5	4	1	10	5
16...	0	0	0	0	10	0	5	4	1	10	16
17...	0	0	0	0	0	0	5	4	1	70	14
18...	0	0	0	0	0	0	5	3	2	20	9
19...	0	0	0	0	0	0	6	5	1	10	90
20...	0	0	0	0	10	0	4	3	1	10	5
21...	0	0	0	0	0	0	4	3	1	0	3
22...	10	0	0	0	10	0	4	3	1	60	4
23...	0	0	0	0	20	0	4	3	1	40	6
24...	0	1	1	0	0	0	4	2	2	20	9
25...	0	0	0	0	0	0	4	2	2	10	8
29...	0	0	0	0	0	0	4	1	3	20	8
30...	0	0	0	0	10	0	4	1	3	60	10
31...	0	0	0	0	10	0	4	2	--	20	13
JUN											
01...	0	1	0	1	0	0	10	7	3	20	7
02...	0	1	0	1	10	0	3	0	3	20	10
03...	0	1	0	1	0	0	4	3	1	20	11

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
APR											
19...	23	0	.0	.0	.0	14	14	0	0	0	0
20...	85	0	.0	.0	.0	3	3	0	0	0	0
21...	20	0	.0	.0	.0	4	4	0	0	0	0
23...	26	0	.0	.0	.0	0	0	0	0	0	0
24...	16	0	.0	.0	.0	2	2	0	0	0	0
25...	19	1	.0	.0	.0	3	3	0	0	0	0
26...	15	1	.0	.0	.0	3	3	0	0	0	0
27...	15	0	.0	.0	.0	4	4	0	0	0	0
28...	45	0	.0	.0	.0	4	4	0	0	0	0
29...	42	0	.1	.1	.0	5	5	0	0	0	0
30...	11	0	.0	.0	.0	3	3	0	0	0	0
MAY											
01...	8	0	.4	.4	.0	2	2	0	0	0	0
02...	5	0	.1	.1	.0	7	4	3	0	0	0
04...	6	0	.1	.1	.0	10	6	4	1	0	1
05...	7	0	.0	.0	.0	7	5	2	1	0	1
06...	7	0	.1	.1	.0	3	0	3	1	0	1
07...	8	0	.0	.0	.0	9	7	2	1	1	0
08...	6	0	.0	.0	.0	6	6	0	1	1	0
09...	15	0	.1	.1	.0	8	5	3	1	1	0
10...	6	0	.0	.0	.0	5	5	0	0	0	0
11...	73	0	.0	.0	.0	6	6	0	0	0	0
12...	--	--	--	--	--	--	--	--	--	--	--
15...	5	0	.0	.0	.0	3	3	0	1	0	1
16...	16	0	.0	.0	.0	3	3	0	0	0	0
17...	14	0	.0	.0	.0	6	6	0	1	0	1
18...	9	0	.1	.0	.1	5	5	0	1	1	0
19...	90	0	.0	.0	.0	7	7	0	1	1	0
20...	5	0	.0	.0	.0	6	6	0	1	0	1
21...	3	0	.0	.0	.0	7	7	0	1	1	0
22...	4	0	.0	.0	.0	3	3	0	0	0	0
23...	5	1	.0	.0	.0	4	2	2	0	0	0
24...	7	2	.1	.1	.0	5	1	4	0	0	0
25...	7	1	.0	.0	.0	6	4	2	0	0	0
29...	6	2	.0	.0	.0	5	3	2	0	0	0
30...	9	1	.0	.0	.0	4	2	2	0	0	0
31...	12	1	.0	.0	.0	5	3	2	0	0	0
JUN											
01...	7	0	.0	.0	.0	4	1	3	0	0	0
02...	10	0	.0	.0	.0	3	1	2	0	0	0
03...	11	0	.0	.0	.0	3	1	2	0	0	0

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)
APR										
19...	--	30	20	10	6.4	.00	2	0	.0	.00
20...	--	20	10	10	6.1	.00	19	0	.0	.00
21...	--	20	10	10	7.9	.00	3	0	.0	.00
23...	--	20	20	0	11	.00	0	0	.0	.00
24...	--	20	10	10	--	.00	2	0	--	--
25...	--	30	20	10	7.0	.00	2	0	.0	.00
26...	--	20	10	10	6.1	.00	2	0	.0	.00
27...	--	20	10	10	6.1	.00	0	2	.0	.00
28...	--	20	0	20	7.2	.00	1	0	.0	.00
29...	--	20	10	10	7.9	.00	2	0	.0	.00
30...	--	10	0	10	6.1	.00	4	0	--	--
MAY										
01...	--	40	30	10	5.8	.00	3	0	.0	.00
02...	--	20	10	10	6.2	.02	1	--	--	--
04...	--	20	10	10	4.9	.00	3	--	--	--
05...	.6	20	10	10	6.3	.00	3	0	.0	.00
06...	.6	20	10	10	5.5	.00	4	0	.0	.00
07...	--	20	10	10	5.5	.00	1	0	--	--
08...	--	20	10	10	4.7	.00	1	--	.0	.00
09...	--	20	10	10	7.6	.00	0	--	.0	.00
10...	--	10	0	10	6.2	.00	1	--	.0	.00
11...	--	40	30	10	6.1	.00	7	--	.0	.00
12...	--	--	--	--	5.8	.00	5	--	.0	.00
15...	--	20	10	10	6.3	.00	1	--	.0	.00
16...	--	20	10	10	6.7	.00	0	--	.0	.00
17...	.3	20	10	10	11	.00	1	--	.0	.00
18...	--	20	10	10	5.4	.00	4	--	.0	.00
19...	.3	10	0	10	4.7	.00	3	--	.0	.00
20...	.4	10	0	10	6.2	.00	2	--	.0	.00
21...	.5	10	0	10	--	.00	0	--	.0	.00
22...	--	10	0	10	--	.00	8	--	.0	.00
23...	--	10	0	10	6.0	.00	0	--	.0	.00
24...	--	10	0	10	5.9	.00	1	1	.0	.00
25...	--	30	20	10	5.4	--	--	6	.0	.00
29...	--	10	0	10	5.9	.00	2	0	.0	.00
30...	--	10	0	10	5.9	.00	2	0	.0	.00
31...	--	10	0	10	6.5	.00	2	0	.0	.00
JUN										
01...	--	20	10	10	6.0	.00	2	0	.0	.00
02...	--	10	0	10	5.5	.00	1	0	.0	.00
03...	--	20	10	10	5.6	.00	1	--	.0	.00

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
APR										
19...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
20...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
21...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
23...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
24...	--	--	--	--	--	--	--	--	--	--
25...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
26...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
27...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
28...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
29...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
30...	--	--	--	--	--	--	--	--	--	--
MAY										
01...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
02...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
05...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
06...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
07...	--	--	--	--	--	--	--	--	--	--
08...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
09...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
10...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
11...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
12...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
15...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
16...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
17...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
18...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
19...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
20...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
21...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
22...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
23...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
24...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
25...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
29...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
30...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
31...	.000	.0	.000	.000	.000	.00	.000	000	.000	.00
JUN										
01...	.000	.0	.000	.000	.000	.00	.000	000	.000	.00
02...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
03...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)
APR										
19...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
20...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
21...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
23...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
24...	--	--	--	--	--	--	--	--	--	--
25...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
26...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
27...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
28...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
29...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
30...	--	--	--	--	--	--	--	--	--	--
MAY										
01...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
02...	--	--	--	--	--	--	--	--	--	--
04...	--	--	--	--	--	--	--	--	--	--
05...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
06...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
07...	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.080	.00	.00	.00	.00	.00	.00	.00
09...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
10...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
11...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
12...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
15...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
16...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
17...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
18...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
19...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
20...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
21...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
22...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
23...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
24...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
25...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
29...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
30...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
31...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
JUN										
01...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
02...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00
03...	.000	.000	.000	.00	.00	.00	.00	.00	.00	.00

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
APR										
19...	0	.00	--	--	--	--	--	--	--	--
20...	0	.00	.01	--	.02	--	.00	--	5.41	.000
21...	0	.00	.01	--	.00	--	.00	--	5.23	.000
23...	0	.00	.00	--	.01	--	.00	--	12.1	.000
24...	--	--	.00	--	.00	--	.00	--	5.34	.000
25...	0	.00	--	--	--	--	--	--	3.80	.000
26...	0	.00	.01	--	.01	--	.00	--	4.97	.000
27...	0	.00	.01	--	.00	--	.00	--	8.26	.000
28...	0	.00	.01	--	.01	--	.00	--	5.59	.000
29...	0	.00	.01	--	.01	--	.00	--	4.18	.000
30...	--	--	.01	--	.01	--	.00	--	8.64	.000
MAY										
01...	0	.00	--	--	--	--	--	--	13.2	.000
02...	--	--	--	0	--	0	--	.0	10.6	.000
04...	--	--	--	--	--	--	--	--	4.11	.000
05...	0	.00	.02	--	.01	--	.00	--	2.45	.000
06...	0	.00	--	--	--	--	--	--	5.57	.000
07...	--	--	--	--	--	--	--	--	5.90	.000
08...	0	.00	.02	--	.01	--	.00	--	6.12	.000
09...	0	.00	.02	--	.00	--	.00	--	8.34	.000
10...	0	.00	--	--	--	--	--	--	9.33	.000
11...	0	.00	--	--	--	--	--	--	17.3	2.37
12...	0	.00	.02	--	.01	--	.00	--	3.80	.000
15...	0	.00	--	--	--	--	--	--	3.61	.000
16...	0	.00	.01	--	.00	--	.00	--	8.17	.000
17...	0	.00	--	--	--	--	--	--	6.31	.000
18...	0	.00	.02	--	.01	--	.00	--	4.35	.000
19...	0	.00	.04	--	.00	--	.00	--	4.51	.000
20...	0	.00	--	--	--	--	--	--	5.94	.000
21...	0	.00	--	--	--	--	--	--	6.15	.000
22...	0	.00	--	--	--	--	--	--	4.08	.000
23...	0	.00	--	--	--	--	--	--	5.07	.000
24...	0	.00	--	--	--	--	--	--	4.76	.000
25...	0	.00	.02	--	.01	--	.00	--	5.84	.000
29...	0	.00	.05	--	.00	--	.00	--	8.88	.000
30...	0	.00	.04	--	.01	--	.00	--	38.9	.000
31...	0	.00	.03	--	.01	--	.00	--	12.8	.000
JUN										
01...	0	.00	.00	--	.00	--	.00	--	9.72	.000
02...	0	.00	.04	--	.01	--	.00	--	7.76	.000
03...	0	.00	.04	--	.01	--	.00	--	10.8	.000

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--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...	350	34	72	620	76	14	27	41	0	34	170	1100
20...	380	34	80	650	76	14	29	46	0	38	180	1200
21...	250	24	52	450	77	12	20	32	0	26	120	810
23...	170	17	37	340	77	11	16	25	0	21	92	590
24...	270	26	56	480	76	12	21	33	0	27	130	910
25...	280	26	60	480	75	12	22	36	0	30	140	860
26...	280	29	60	510	76	12	23	46	0	38	130	910
27...	280	27	60	490	76	12	22	41	0	34	130	830
28...	340	33	72	640	77	14	29	44	0	36	170	76
29...	340	31	71	580	76	13	26	41	0	34	150	1100
30...	280	27	60	490	76	12	22	38	0	31	130	850
MAY												
01...	210	25	45	380	75	11	18	47	0	39	110	690
02...	220	27	45	370	75	10	18	41	0	34	120	660
04...	74	35	13	62	48	2.3	5.4	82	0	67	45	110
05...	37	28	10	25	32	1.0	4.0	90	0	74	32	39
06...	45	26	12	42	43	1.7	4.5	84	0	69	37	67
07...	64	27	15	89	58	3.4	6.6	79	0	65	45	160
08...	75	27	17	97	59	3.6	6.6	76	0	62	48	170
09...	78	27	18	110	61	4.0	7.2	77	0	63	51	200
10...	82	26	18	110	62	4.1	7.2	70	0	57	50	200
11...	87	26	19	120	63	4.4	7.6	69	0	57	51	220
12...	--	--	--	--	--	--	--	73	0	60	--	190
15...	120	32	21	120	59	3.9	7.9	62	0	51	50	220
16...	150	24	22	120	62	4.3	8.3	6	0	5	52	250
17...	45	31	11	31	35	1.2	3.9	95	0	78	38	47
18...	74	26	17	100	60	3.7	7.0	74	0	61	48	180
19...	43	30	11	32	36	1.3	4.1	94	0	77	41	49
20...	42	30	11	34	37	1.4	4.1	95	0	78	39	54
21...	37	27	13	32	36	1.3	4.0	103	0	84	38	47
22...	56	23	14	73	56	3.0	5.8	72	0	59	39	130
23...	49	22	13	68	56	2.8	5.1	72	0	59	39	120
24...	58	26	15	80	56	3.1	6.2	84	0	69	47	120
25...	60	27	15	75	54	2.9	6.0	84	0	69	46	120
29...	65	26	16	96	60	3.7	6.9	80	0	66	49	160
30...	48	19	13	82	62	3.6	6.3	65	0	53	40	140
31...	77	24	18	18	64	4.5	8.1	70	0	57	51	200
JUN												
01...	63	21	16	110	65	4.4	7.1	69	0	57	49	180
02...	67	23	17	110	64	4.2	7.6	77	0	63	54	190
03...	75	23	19	150	69	5.6	8.3	74	0	61	57	230

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)
JUN												
04...	1210	1240	7.9	20	10	<1.0	8.6	8	1.2	K8	K4	150
05...	1035	1230	7.8	40	10	<1.0	7.3	15	.2	K30	K8	150
06...	1115	1320	7.7	5	15	<1.0	7.0	15	.3	K10	<4	160
07...	1045	981	7.6	20	25	<1.0	6.9	15	2.5	K20	K8	120
08...	1105	921	7.7	30	20	<1.0	6.7	14	.5	<4	<2	110
09...	1100	1230	7.7	20	20	<1.0	7.0	20	.3	K52	K14	140
10...	1035	2540	7.6	20	10	<1.0	7.4	20	1.2	K40	K6	250
11...	1220	2520	7.6	20	20	<1.0	7.0	21	.4	K100	K2	260
12...	1205	4110	7.5	20	10	<1.0	6.8	26	1.1	K40	K4	400
13...	1115	457	7.5	5	10	<1.0	6.9	30	.7	K150	K9	430
14...	1025	4390	7.6	15	15	<1.0	7.3	38	.3	<10	<1	430
JUL												
18...	1150	7030	7.0	10	25	<1.0	6.5	48	1.2	70	K8	710
AUG												
15...	1130	7500	7.4	15	5	<1.0	7.2	42	1.0	K64	K6	760
SEP												
04...	1455	8610	7.3	20	3	<1.0	7.7	850	.7	<4	<2	910

DATE	HARDNESS, NONCARBONATE (MG/L 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)
JUN												
04...	110	22	24	180	70	6.3	10	59	0	48	66	310
05...	99	22	24	180	70	6.3	10	62	0	51	66	300
06...	110	22	25	190	71	6.6	11	58	0	48	73	350
07...	76	19	18	150	71	5.9	8.2	56	0	46	59	250
08...	65	17	17	140	71	5.7	8.2	58	0	48	54	220
09...	90	19	22	190	73	7.0	9.7	56	0	48	68	320
10...	210	26	46	400	76	11	18	57	0	47	120	700
11...	210	27	47	390	75	11	19	57	0	47	110	700
12...	350	37	75	670	77	15	28	62	0	51	200	1200
13...	380	40	80	780	78	16	31	60	0	49	210	1400
14...	380	41	80	710	77	15	29	61	0	50	210	1300
JUL												
18...	670	53	140	1200	77	20	51	49	0	40	310	2100
AUG												
15...	720	56	150	1300	77	21	54	46	0	38	340	2300
SEP												
04...	870	67	180	1500	77	22	66	49	0	40	420	2900

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--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											
04...	10	.46	.02	.48	.45	.06	1	0	1	0	0
05...	10	.48	.04	.52	.46	.05	1	0	1	0	0
06...	15	.45	.02	.47	.37	.06	1	0	1	0	0
07...	29	.50	.02	.52	.40	.05	1	1	0	0	0
08...	14	.45	.02	.47	.26	.09	1	1	0	0	0
09...	19	.38	.02	.40	.60	.09	1	1	0	0	0
10...	12	.24	.02	.26	.59	.06	1	1	0	0	0
11...	26	.31	.04	.35	.37	.07	1	1	0	0	0
12...	18	.08	.02	.10	.34	.07	1	1	0	0	0
13...	10	.06	.02	.08	.43	.14	1	1	0	0	0
14...	18	.05	.04	.09	.23	.05	1	0	1	10	10
JUL											
18...	38	.03	.02	.05	.62	.05	1	1	0	0	0
AUG											
15...	10	.00	.02	.02	.27	.05	1	0	1	10	10
SEP											
04...	10	.01	.00	.01	.48	.02	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											
04...	0	1	0	1	0	0	3	1	2	10	6
05...	0	1	0	1	0	0	2	0	2	20	4
06...	0	1	0	1	0	0	3	2	1	10	2
07...	0	1	0	1	10	0	6	5	1	30	30
08...	0	0	0	0	10	0	2	1	1	10	2
09...	0	1	0	1	10	0	2	1	1	20	3
10...	0	1	0	1	0	0	2	2	0	10	3
11...	0	1	0	1	0	0	3	3	0	10	22
12...	0	0	0	0	10	0	11	10	1	20	75
13...	0	1	1	40	0	0	1	0	1	10	63
14...	0	1	1	0	10	0	2	1	1	10	12
JUL											
18...	0	0	0	0	0	0	4	2	2	20	7
AUG											
15...	0	0	0	0	20	0	0	0	1	20	3
SEP											
04...	0	0	0	0	10	0	1	1	0	10	2

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
JUN												
04...	6	0	.0	.0	.0	5	2	3	0	0	0	10
05...	4	0	.0	.0	.0	4	2	2	0	0	0	20
06...	1	1	.0	.0	.0	6	2	4	0	0	0	10
07...	29	1	.0	.0	.0	7	4	3	0	0	0	30
08...	2	0	.0	.0	.0	3	0	3	0	0	0	10
09...	3	0	.0	.0	.0	4	0	4	0	0	0	10
10...	3	0	.0	.0	.0	5	1	4	0	0	0	20
11...	21	1	.0	.0	.0	5	1	4	0	0	0	10
12...	75	0	.0	.0	.0	2	0	3	0	0	0	30
13...	63	0	.0	.0	.0	4	0	4	0	0	0	10
14...	12	0	.0	.0	.0	3	0	3	0	0	0	10
JUL												
18...	7	0	.0	.0	.0	3	0	3	0	0	0	30
AUG												
15...	3	0	.0	.0	.0	1	1	0	0	0	0	0
SEP												
04...	2	0	.1	.1	.0	3	3	0	0	0	0	10

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)
JUN												
04...	0	10	7.4	.00	1	--	.0	.00	.000	.0	.000	.000
05...	10	10	6.1	.00	1	--	--	--	--	--	--	--
06...	0	10	5.9	.00	2	--	.0	.00	.000	.0	.000	.000
07...	20	10	6.1	.00	2	--	.0	.00	.000	.0	.000	.000
08...	0	10	6.0	.00	0	--	--	--	--	--	--	--
09...	0	10	--	.00	0	--	--	--	--	--	--	--
10...	0	20	--	.00	1	--	--	--	--	--	--	--
11...	0	10	--	.00	1	--	--	--	--	--	--	--
12...	20	10	--	.00	0	--	.0	.00	.000	.0	.000	.000
13...	0	10	--	.00	0	--	.0	.00	.000	.0	.000	.000
14...	0	10	--	.00	4	--	.0	.00	.000	.0	.000	.000
JUL												
18...	10	20	5.9	.00	0	--	.0	.00	.000	.0	.000	.000
AUG												
15...	0	10	--	.00	1	0	.0	.00	.000	.0	.000	.000
SEP												
04...	0	10	--	.00	0	--	.0	.00	.000	.0	.000	.000

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETTS, NEAR SLIDELL, LA (CE 85731)--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)
JUN												
04...	.000	.01	.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	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG												
15...	.000	.01	.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 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	--	--	--	14.5	.000
05...	--	--	--	--	--	--	--	--	--	9.80	.000
06...	.00	.00	.00	.00	0	.00	.04	.01	.00	5.85	.000
07...	.00	.00	.00	.00	0	.00	--	--	--	7.29	.000
08...	--	--	--	--	--	--	--	--	--	9.18	.000
09...	--	--	--	--	--	--	--	--	--	13.5	.000
10...	--	--	--	--	--	--	--	--	--	14.8	.000
11...	--	--	--	--	--	--	--	--	--	17.1	.000
12...	.00	.00	.00	.00	0	.00	.03	.00	.00	10.1	.000
13...	.00	.00	.00	.00	0	.00	.03	.00	.00	5.94	.000
14...	.00	.00	.00	.00	0	.00	.02	.00	.00	7.91	.000
JUL											
18...	.00	.00	.00	.00	0	.00	.04	.00	.00	6.73	.000
AUG											
15...	.00	.00	.00	.00	0	.00	.01	.00	.00	8.50	.000
SEP											
04...	.00	.00	.00	.00	0	.00	.01	.00	.00	3.99	.000

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)

LOCATION.--Lat 30°05'55", long 89°49'03", in lot 37, T.11 S., R.14 E., Orleans Parish, Hydrologic Unit 08090202, 2.1 mi (3.4 km) north-northwest of Chef Menteur.

DRAINAGE AREA.--Indeterminate.

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

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-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
APR												
19...	1500	4630	7.7	20	10	<1.0	8.6	40	1.8	--	K160	450
20...	1255	4580	7.7	5	8		8.5	53	1.9	K8	<2	480
21...	1220	4720	7.6	5	15	<1.0	7.6	53	1.2	K630	K12	470
23...	1215	3170	7.6	15	40	<1.0	7.6	31	.2	300	K28	300
24...	1135	308	7.7	40	65	<1.0	8.5	18	1.8	K76	K8	110
25...	1135	489	7.8	20	45	<1.0	8.7	18	1.3	K44	K18	120
26...	1410	1550	7.3	20	35	<1.0	8.5	27	1.4	K30	K14	190
27...	1210	2820	7.3	10	20	<1.0	8.5	39	1.2	K6	<2	290
28...	1220	2450	7.3	15	25	<1.0	8.1	30	.5	K20	K12	250
29...	1220	3020	7.3	10	15	<1.0	8.0	29	.0	K28	K20	300
30...	1600	2060	7.5	15	25	<1.0	8.6	27	.8	560	K2	230
MAY												
01...	1640	1440	8.0	20	25	<1.0	8.2	22	.8	180	K4	190
02...	1335	1060	7.7	15	25	<1.0	8.0	18	.5	280	<4	160
04...	1110	359	7.7	20	40	<1.0	8.1	15	1.1	K20	K4	110
05...	1215	298	7.7	20	60	<1.0	8.7	16	.0	76	K18	100
06...	1120	305	7.7	50	45	<1.0	7.9	16	.2	K28	K6	110
07...	1330	319	7.8	15	40	<1.0	8.0	12	.3	K12	<4	110
08...	1235	371	7.8	20	35	<1.0	7.9	18	.7	K24	K4	120
09...	1410	331	7.8	15	30	<1.0	8.4	20	1.2	K4	<4	110
10...	1350	415	7.7	20	30	<1.0	8.2	20	.7	<4	<4	110
11...	1135	332	8.0	10	30	<1.0	8.8	10	1.4	210	K20	110
12...	1125	336	7.9	30	30	<1.0	7.3	14	.3	K36	<4	120
15...	1055	348	7.9	20	20	<1.0	7.8	9	.0	K8	<4	120
16...	1210	339	7.8	20	20	<1.0	8.3	16	.1	400	<4	120
17...	1110	--	--	--	--	<1.0	7.8	--	.5	220	<4	--
18...	1115	365	7.9	30	20	<1.0	8.5	13	1.3	520	<2	120
19...	0920	399	7.9	5	20	<1.0	8.4	13	.9	400	<2	120
20...	0925	408	7.9	15	15	<1.0	8.8	17	1.5	4000	<2	130
21...	1140	369	7.9	15	20	<1.0	7.4	14	.5	<4	<2	120
22...	1000	427	8.1	20	20	<1.0	7.7	20	.2	K52	K6	120
23...	1200	489	8.4	20	20	<1.0	7.4	20	1.7	K40	K10	120
24...	1045	520	8.1	30	15	<1.0	8.2	20	1.8	K16	K6	130
25...	1120	384	8.0	30	30	<1.0	7.8	13	.6	<4	K2	120
29...	1155	834	8.0	20	20	<1.0	8.0	14	.7	K20	<2	150
30...	1350	1110	8.2	10	20	<1.0	7.9	18	--	K4	<2	170
31...	1050	874	7.9	30	20	<1.0	8.0	16	.8	K40	K8	140
JUN												
01...	1025	1180	7.9	30	10	<1.0	7.9	17	.7	80	K6	170
02...	1055	1170	7.9	30	10	<1.0	7.7	19	.9	220	K20	170
03...	1010	1040	7.9	20	15	<1.0	7.5	10	.5	K16	K6	150
04...	1235	1100	7.8	30	15	<1.0	7.6	7	.3	K1900	--	150
05...	1105	1030	7.8	40	10	<1.0	7.6	15	.5	K1400	<4	150
06...	1140	2330	7.7	5	15	<1.0	7.3	21	.8	K10	K4	270
07...	1115	9440	7.8	5	5	<1.0	7.3	63	1.8	560	40	1000
08...	1125	4220	7.9	15	6	<1.0	7.3	23	1.3	K48	K14	460
09...	1125	3410	8.1	15	10	<1.0	7.5	26	.9	K36	K16	470
10...	1055	2940	8.1	20	8	<1.0	8.1	22	2.2	K24	K4	310
11...	1245	3280	8.2	20	15	<1.0	7.4	53	1.4	--	K2	370
12...	1230	4760	7.8	30	15	<1.0	6.4	33	1.5	K60	K2	470
13...	1140	4250	7.9	5	15	<1.0	7.1	33	1.3	<10	<1	460
14...	1045	4160	7.9	10	10	<1.0	7.2	48	.8	K30	K2	420
JUL												
18...	1200	10100	7.5	5	9	<1.0	6.4	73	1.4	96	K2	1100
AUG												
15...	1135	7390	7.1	15	5	<1.0	7.1	64	1.6	K20	K20	760
SEP												
04...	1500	11000	7.3	20	5	<1.0	7.0	36	.4	K12	K2	1200

< 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).

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARDNESS, NONCARBONATE (MG/L 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)
APR												
19...	410	39	86	740	77	15	32	47	0	39	200	1400
20...	440	41	91	750	76	15	32	42	0	34	200	1400
21...	440	40	91	770	76	15	33	45	0	37	210	1400
23...	270	27	57	510	77	13	23	34	0	28	150	880
24...	36	27	9.7	19	27	.8	3.2	87	0	71	33	33
25...	51	29	12	48	45	1.9	4.5	86	0	71	41	83
26...	170	27	30	220	70	6.9	11	30	0	25	76	400
27...	260	26	55	450	76	11	20	41	0	34	130	820
28...	210	26	44	370	75	10	17	50	0	41	110	690
29...	270	27	57	490	76	12	22	39	0	32	130	850
30...	190	26	40	320	74	9.2	15	54	0	44	98	560
MAY												
01...	130	27	29	200	69	6.4	10	69	0	57	73	360
02...	97	29	21	140	64	4.8	8.6	75	0	62	57	250
04...	43	29	10	28	34	1.1	3.8	86	0	71	37	44
05...	32	34	4.7	17	25	.7	3.2	88	0	72	30	23
06...	40	30	9.0	19	26	.8	3.3	88	0	72	33	31
07...	39	30	9.1	19	26	.8	3.3	90	0	74	41	28
08...	46	29	11	28	33	1.1	3.8	88	0	72	39	46
09...	36	32	9.4	22	28	.9	3.1	95	0	78	36	31
10...	40	25	12	37	41	1.5	4.1	85	0	70	39	54
11...	39	30	9.5	21	28	.9	3.4	91	0	75	35	31
12...	39	30	10	21	28	.8	3.4	94	0	77	36	30
15...	39	33	9.9	21	26	.8	3.4	98	0	80	37	30
16...	41	30	11	20	26	.8	3.4	97	0	80	39	30
17...	--	--	--	--	--	--	--	--	--	--	--	--
18...	42	32	10	25	30	1.0	3.7	97	0	80	37	36
19...	42	31	11	30	34	1.2	3.9	98	0	80	39	44
20...	46	31	12	33	35	1.3	4.0	99	0	81	41	52
21...	38	33	10	25	30	1.0	3.7	104	0	85	39	43
22...	42	30	12	35	37	1.4	3.1	100	0	82	39	55
23...	40	29	12	46	44	1.8	3.2	98	0	81	40	70
24...	49	29	13	53	47	2.1	4.9	94	0	77	45	80
25...	40	30	11	28	33	1.1	3.9	98	0	80	39	39
29...	76	31	18	100	58	3.5	7.0	92	0	75	55	170
30...	99	30	24	150	64	5.0	9.1	91	0	75	66	260
31...	75	26	18	110	62	4.1	7.6	78	0	64	52	180
JUN												
01...	99	29	24	170	67	5.7	9.4	88	0	72	70	280
02...	97	29	23	170	67	5.7	9.5	86	0	71	68	270
03...	87	27	21	150	66	5.3	8.6	82	0	67	63	240
04...	99	24	22	180	71	6.4	8.9	63	0	52	63	280
05...	91	24	21	140	66	5.0	8.1	67	0	55	59	240
06...	210	33	45	350	72	9.3	17	72	0	59	110	650
07...	950	83	200	1600	76	22	73	100	0	82	510	2900
08...	400	45	85	670	75	14	29	81	0	66	200	1200
09...	410	40	90	550	90	11	24	78	0	64	170	920
10...	250	35	55	450	74	11	20	81	0	66	140	810
11...	290	39	65	500	73	11	24	89	0	73	160	920
12...	400	49	85	780	77	16	31	86	0	71	220	1400
13...	390	42	86	710	76	14	29	84	0	69	210	1300
14...	350	43	75	680	77	15	27	83	0	68	190	1200
JUL												
18...	1000	82	210	1800	77	24	76	80	0	66	460	3400
AUG												
15...	720	55	150	1300	77	21	56	46	0	38	350	2200
SEP												
04...	1200	87	240	2000	76	25	85	51	0	42	460	3500

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--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...	12	.00	.06	.06	.52	.05	0	0	0	0	0
20...	6	.01	.00	.01	.53	.02	1	1	0	0	0
21...	20	.00	.00	.00	.54	.03	1	1	0	0	0
23...	77	.00	.06	.06	.52	.08	0	0	0	0	0
24...	137	1.6	.10	1.7	.39	.13	1	0	1	1	0
25...	33	1.6	.10	1.7	.43	.11	1	0	1	0	0
26...	78	.84	.10	.94	.54	.09	1	1	0	0	0
27...	33	.03	.02	.05	.42	.04	0	0	0	0	0
28...	19	.23	.06	.29	.53	.05	1	1	0	0	0
29...	27	.03	.02	.05	.43	.04	0	0	0	0	0
30...	29	.49	.06	.55	.56	.06	0	0	0	0	0
MAY											
01...	33	.93	.06	.99	.45	.07	1	0	1	0	0
02...	25	1.2	.08	1.3	.44	.08	1	0	1	0	0
04...	35	1.6	.06	1.7	.46	.11	1	0	1	0	0
05...	34	1.7	.04	1.7	.44	.13	2	1	1	0	0
06...	16	1.7	.04	1.7	.52	.11	1	0	1	0	0
07...	25	1.6	.08	1.7	.40	.11	1	0	1	0	0
08...	13	1.7	.02	1.7	.49	.09	2	1	1	0	0
09...	19	1.7	.02	1.7	.38	.08	1	0	1	0	0
10...	11	1.6	.02	1.6	.53	.09	1	0	1	0	0
11...	15	1.7	.02	1.7	.37	.09	1	0	1	0	0
12...	24	1.7	.02	1.7	.49	.09	1	0	1	0	0
15...	12	1.7	.02	1.7	.80	.07	2	1	1	0	0
16...	8	1.7	.02	1.7	.40	.10	2	1	1	0	0
17...	--	--	--	--	--	--	--	--	--	--	--
18...	14	1.6	.02	1.6	.47	.08	1	0	1	0	0
19...	11	1.7	.02	1.7	.75	.07	1	0	1	0	0
20...	7	1.6	.02	1.6	.55	.07	2	1	1	0	0
21...	9	1.7	.04	1.7	.68	.08	1	0	1	0	0
22...	13	1.6	.02	1.6	.55	.07	2	1	1	0	0
23...	40	1.2	.02	1.2	.51	.09	1	0	1	0	0
24...	19	1.3	.02	1.3	.46	.07	1	0	1	0	0
25...	20	1.7	.02	1.7	.62	.07	2	1	1	0	0
29...	12	1.3	.02	1.3	.53	.06	1	0	1	0	0
30...	14	1.1	.04	1.1	.58	.07	2	1	1	0	0
31...	14	1.1	.04	1.1	.50	.06	1	0	1	0	0
JUN											
01...	13	.96	.04	1.0	.08	.05	1	0	1	0	0
02...	11	.95	.04	.99	.57	.05	1	0	1	0	0
03...	10	.95	.02	.97	.42	.07	1	1	0	0	0
04...	14	.67	.02	.69	.43	.05	1	0	1	0	0
05...	10	.67	.02	.69	.51	.05	1	0	1	0	0
06...	15	.58	.02	.60	.48	.05	1	0	1	0	0
07...	9	.43	.04	.47	.44	.04	1	1	0	10	10
08...	6	.41	.02	.43	.38	.06	1	1	0	0	0
09...	13	.34	.02	.36	.52	.09	1	1	0	0	0
10...	7	.23	.02	.25	.77	.06	1	1	0	0	0
11...	19	.23	.02	.25	.50	.06	1	1	0	0	0
12...	17	.15	.02	.17	.43	.07	1	0	1	0	0
13...	13	.10	.02	.12	.45	.23	1	0	1	0	0
14...	14	.09	.06	.15	.32	.02	1	0	1	0	0
JUL											
18...	13	.00	.02	.01	.42	.06	1	1	0	0	0
AUG											
15...	9	.00	.02	.02	.31	.05	1	0	1	10	10
SEP											
04...	6	--	--	--	--	--	1	0	1	10	10

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
APR											
19...	0	1	1	0	10	0	6	5	1	10	15
20...	0	0	0	0	0	0	6	5	1	0	30
21...	0	0	0	0	0	0	2	1	1	70	7
23...	0	0	0	0	10	0	18	17	1	10	14
24...	1	1	0	1	20	0	1	0	1	10	26
25...	0	0	0	0	0	0	6	3	3	30	49
26...	0	0	0	0	0	0	6	6	0	10	49
27...	0	0	0	0	10	0	7	6	1	0	31
28...	0	0	0	0	10	0	5	2	3	10	18
29...	0	0	0	0	10	0	3	2	1	0	9
30...	0	0	0	0	10	0	15	14	1	10	56
MAY											
01...	0	1	1	0	0	0	3	2	1	50	7
02...	0	1	1	0	10	0	3	3	0	10	4
04...	0	1	1	0	0	0	6	6	0	0	5
05...	0	1	1	0	0	0	3	3	0	10	15
06...	0	1	1	0	0	0	4	4	0	10	13
07...	0	1	1	0	10	0	4	4	0	10	4
08...	0	0	0	0	10	0	7	6	1	20	7
09...	0	1	1	0	0	0	2	1	1	10	6
10...	0	0	0	0	10	0	7	6	1	20	7
11...	0	0	0	0	0	0	6	5	1	30	11
12...	0	1	0	1	0	0	4	4	0	10	7
15...	0	0	0	0	10	0	4	3	1	20	6
16...	0	0	0	0	10	0	5	4	1	10	7
17...	--	--	--	--	--	--	--	--	--	--	--
18...	0	1	0	1	10	0	6	5	1	20	7
19...	0	0	0	0	10	0	5	4	1	10	3
20...	0	0	0	0	20	0	5	4	1	10	5
21...	0	0	0	0	0	0	5	4	1	0	4
22...	0	0	0	0	0	0	4	3	1	20	3
23...	0	0	0	0	10	0	7	6	1	20	8
24...	0	0	0	0	0	0	5	4	1	20	8
25...	0	0	0	0	0	0	6	4	2	10	13
29...	0	0	0	0	0	0	4	1	3	10	5
30...	0	0	0	0	0	0	3	0	3	10	14
31...	0	0	0	0	0	0	4	3	1	20	11
JUN											
01...	0	1	0	1	0	0	4	2	2	10	6
02...	0	1	0	1	10	0	3	0	3	20	6
03...	0	1	0	1	0	0	3	1	2	20	9
04...	0	1	0	1	10	2	4	2	2	10	7
05...	0	1	0	1	10	0	4	2	2	20	13
06...	0	0	0	1	0	0	3	3	0	0	3
07...	0	1	0	1	10	0	4	3	1	10	8
08...	0	1	0	1	10	0	3	2	1	0	3
09...	0	1	0	1	0	0	2	1	1	0	0
10...	0	1	0	1	0	0	4	4	0	10	4
11...	0	0	0	1	0	0	3	3	0	10	12
12...	0	0	0	0	10	0	4	2	2	10	12
13...	0	0	0	0	10	0	4	3	1	0	29
14...	0	0	0	0	10	0	6	5	1	10	14
JUL											
18...	0	0	0	0	10	0	7	6	1	10	10
AUG											
15...	0	1	1	0	10	0	1	0	1	0	1
SEP											
04...	0	0	0	0	10	0	1	1	0	10	2

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	VANADIUM, DISSOLVED (UG/L AS V)
APR												
19...	15	0	.0	.0	.0	9	6	3	0	0	0	--
20...	30	0	.0	.0	.0	5	5	0	0	0	0	--
21...	7	0	.0	.0	.0	4	4	0	0	0	0	--
23...	14	0	.0	.0	.0	0	0	0	0	0	0	--
24...	26	0	.0	.0	.0	6	6	0	0	0	0	.1
25...	48	1	.0	.0	.0	5	5	0	0	0	0	.5
26...	48	1	.0	.0	.0	3	2	1	1	0	1	2.2
27...	31	0	.0	.0	.0	4	4	0	0	0	0	--
28...	18	0	.0	.0	.0	3	3	0	0	0	0	7.2
29...	9	0	.1	.1	.0	3	3	0	0	0	0	--
30...	56	0	.0	.0	.0	3	3	0	0	0	0	--
MAY												
01...	7	0	.3	.3	.0	3	3	0	0	0	0	--
02...	4	0	.0	.0	.0	8	6	2	0	0	0	--
04...	5	0	1.0	.0	.1	7	6	1	1	0	1	.0
05...	15	0	.1	.1	.0	9	9	0	1	0	1	.1
06...	13	0	.1	.1	.0	5	2	3	1	0	1	.2
07...	4	0	.0	.0	.0	14	12	2	0	0	0	.2
08...	7	0	.0	.0	.0	6	6	0	0	0	0	.2
09...	6	0	.1	.1	.0	7	3	4	1	0	1	.5
10...	7	0	.0	.0	.0	6	6	0	0	0	0	.2
11...	11	0	.0	.0	.0	7	7	0	1	1	0	.0
12...	7	0	.1	.1	.0	6	6	0	1	1	0	.4
15...	6	0	.0	.0	.0	3	3	0	1	0	1	.0
16...	7	0	.0	.0	.0	3	3	0	0	0	0	.1
17...	--	--	--	--	--	--	--	--	--	--	--	--
18...	7	0	.0	.0	.0	7	7	0	1	1	0	.2
19...	3	0	.0	.0	.0	5	5	0	0	0	0	.1
20...	5	0	.3	.3	.0	5	5	0	1	1	0	.4
21...	4	0	.1	.1	.0	4	4	0	0	0	0	.0
22...	3	0	.0	.0	.0	3	3	0	0	0	0	.3
23...	7	1	.0	.0	.0	4	2	2	0	0	0	.5
24...	6	2	1.0	.0	.1	4	2	2	0	0	0	.4
25...	12	1	.0	.0	.0	6	4	2	0	0	0	.3
29...	4	1	.0	.0	.0	4	2	2	0	0	0	--
30...	13	1	.0	.0	.0	3	1	2	0	0	0	--
31...	9	2	.0	.0	.0	3	1	2	0	0	0	--
JUN												
01...	6	0	.0	.0	.0	2	0	2	0	0	0	--
02...	6	0	.1	.0	.1	3	0	3	0	0	0	--
03...	9	0	.0	.0	.0	3	1	2	0	0	0	--
04...	7	0	.0	.0	.0	7	4	3	0	0	0	
05...	13	0	.0	.0	.0	4	2	2	0	0	0	
06...	2	1	.0	.0	.0	6	3	3	0	0	0	
07...	8	0	.0	.0	.0	4	1	3	0	0	0	
08...	3	0	.0	.0	.0	5	2	3	0	0	0	
09...	0	0	.0	.0	.0	4	0	4	--	--	--	
10...	4	0	.0	.0	.0	5	1	4	0	0	0	
11...	12	0	.0	.0	.0	5	1	4	0	0	0	
12...	12	0	.0	.0	.0	4	0	4	0	0	0	
13...	29	0	.0	.0	.0	5	0	5	0	0	0	
14...	14	0	.1	.1	.0	4	1	3	0	0	0	
JUL												
18...	10	0	.1	.0	.1	4	2	2	0	0	0	
AUG												
15...	1	0	.1	.1	.0	13	12	1	0	0	0	
SEP												
04...	2	0	.1	.1	.0	4	4	0	0	0	0	

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
APR												
19...	40	20	20	6.5	.00	2	0	.0	.00	.000	.0	.000
20...	20	0	20	6.1	.00	18	0	.1	.00	.000	.0	.000
21...	20	0	20	7.9	.00	0	0	.0	.00	.000	.0	.000
23...	50	40	10	7.5	.00	0	--	.0	.00	.000	.0	.000
24...	30	30	3	5.6	.00	2	0	.0	.00	.000	.0	.000
25...	20	10	10	5.0	.00	1	0	.0	.00	.000	.0	.000
26...	20	10	10	6.1	.00	9	--	.0	.00	.000	.0	.000
27...	20	10	10	7.5	.00	3	0	.0	.00	.000	.0	.000
28...	20	10	10	6.4	.00	1	0	.0	.00	.000	.0	.000
29...	20	10	10	6.2	.00	1	0	.0	.00	.000	.0	.000
30...	20	10	10	6.2	.00	0	0	.0	.00	.000	.0	.000
MAY												
01...	20	10	10	5.0	.00	4	0	.0	.00	.000	.0	.000
02...	10	0	10	5.0	.00	3	--	.0	.00	.000	.0	.000
04...	20	10	10	4.6	.00	3	--	--	--	--	--	--
05...	20	10	10	4.7	.00	3	0	.0	.00	.000	.0	.000
06...	30	20	10	--	1.0	4	0	--	--	--	--	--
07...	20	10	10	4.1	.00	0	0	--	--	--	--	--
08...	20	10	10	4.0	.00	0	--	.0	.00	.000	.0	.000
09...	20	10	10	5.0	.00	0	--	--	--	--	--	--
10...	20	10	10	4.1	.00	0	--	.0	.00	.000	.0	.000
11...	20	10	10	4.8	.00	1	--	--	--	--	--	--
12...	40	30	10	4.3	.00	6	--	.0	.00	.000	.0	.000
15...	10	0	10	4.6	.00	1	--	.0	.00	.000	.0	.000
16...	20	10	10	4.4	.00	0	--	.0	.00	.000	.0	.000
17...	--	--	--	--	--	--	--	.0	.00	.000	.0	.000
18...	20	10	10	4.0	.00	0	--	.0	.00	.000	.0	.000
19...	10	0	10	5.0	.00	1	--	.0	.00	.000	.0	.000
20...	10	0	10	5.7	.00	0	--	.0	.00	.000	.0	.000
21...	20	10	10	--	.00	3	--	--	--	--	--	--
22...	10	0	10	--	.00	0	--	.0	.00	.000	.0	.000
23...	20	10	10	6.0	.00	0	--	.0	.00	.000	.0	.000
24...	20	10	10	5.2	.00	3	0	.0	.00	.000	.0	.000
25...	10	0	10	4.9	.00	3	--	--	--	--	--	--
29...	10	0	10	4.4	.00	2	--	.0	.00	.000	.0	.000
30...	10	0	10	5.3	.00	0	0	.0	.00	.000	.0	.000
31...	10	0	10	6.0	.00	3	0	.0	.00	.000	.0	.000
JUN												
01...	10	0	10	5.1	.00	1	1	.0	.00	.000	.0	.000
02...	10	0	10	5.8	.00	1	0	.0	.00	.000	.0	.000
03...	10	10	0	6.8	.00	0	--	.0	.00	.000	.0	.000
04...	20	10	10	4.9	.00	0	--	.0	.00	.000	.0	.000
05...	10	0	10	5.9	.00	1	--	--	--	--	--	--
06...	10	0	10	4.9	.00	2	--	.0	.00	.000	.0	.000
07...	10	0	10	6.2	.00	1	--	.0	.00	.000	.0	.000
08...	20	10	10	5.4	.00	0	--	--	--	--	--	--
09...	10	0	10	--	.00	2	--	--	--	--	--	--
10...	20	10	10	--	.00	2	--	--	--	--	--	--
11...	20	10	10	--	.00	1	--	--	--	--	--	--
12...	10	0	10	--	.00	0	--	.0	.00	.000	.0	.000
13...	20	10	10	--	.00	0	--	.0	.00	.000	.0	.000
14...	20	10	10	--	.00	2	--	.0	.00	.000	.0	.000
JUL												
18...	40	20	20	6.1	.00	0	--	.0	.00	.000	.0	.000
AUG												
15...	10	0	10	--	.00	1	0	.0	.00	.000	.0	.000
SEP												
04...	10	0	10	--	--	0	--	.0	.00	.000	.0	.000

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--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)
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	.03	.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	.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...	.000	.000	.01	.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	.005	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00
06...	--	--	--	--	--	--	--	--	--	--	--	--
07...	--	--	--	--	--	--	--	--	--	--	--	--
08...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
15...	.000	.000	.00	.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	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
21...	--	--	--	--	--	--	--	--	--	--	--	--
22...	.000	.000	.01	.002	.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...	--	--	--	--	--	--	--	--	--	--	--	--
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	.001	.000	.000	.00	.000	.000	.000	.00	.00
02...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
03...	.000	.000	.00	.001	.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	.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	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP												
04...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--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	.02	.01	.00	2.73	.000
20...	.00	.00	.00	.00	.00	.0	.00	.02	.02	.00	3.41	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.76	.000
23...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	6.52	.000
24...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.81	.000
25...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.52	.000
26...	.00	.00	.00	.00	.00	.0	.00	.04	.03	.00	5.31	.000
27...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	17.2	.000
28...	.00	.00	.00	.00	.00	.0	.00	--	--	--	7.31	.000
29...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	7.03	.000
30...	.00	.00	.00	.00	.00	.0	.00	--	--	--	8.10	.000
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	--	--	--	7.51	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.25	.000
04...	--	--	--	--	--	--	--	--	--	--	2.56	.000
05...	.00	.00	.00	.00	.00	.0	.00	--	--	--	1.75	.000
06...	--	--	--	--	--	--	--	--	--	--	1.76	.000
07...	--	--	--	--	--	--	--	--	--	--	2.58	.000
08...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.56	.000
09...	--	--	--	--	--	--	--	.03	.00	.00	4.21	.000
10...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.96	.000
11...	--	--	--	--	--	--	--	--	--	--	4.06	.000
12...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.99	.000
15...	.00	.00	.00	.00	.00	.0	.00	--	--	--	5.70	.000
16...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.58	.000
17...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	6.51	.000
18...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	7.75	.000
19...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	8.35	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	11.1	.000
21...	--	--	--	--	--	--	--	--	--	--	6.96	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	9.59	.000
23...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	21.9	.000
24...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	10.1	.000
25...	--	--	--	--	--	--	--	.05	.01	.00	4.18	.000
29...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	4.58	.000
30...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	9.73	.000
31...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	10.7	.000
JUN												
01...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	11.3	.000
02...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	9.03	.000
03...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	8.11	.000
04...	.00	.00	.00	.00	.00	0	.00	--	--	--	7.00	.000
05...	--	--	--	--	--	--	--	--	--	--	5.95	.000
06...	.00	.00	.00	.00	.00	0	.00	.03	.00	.00	15.8	.000
07...	.00	.00	.00	.00	.00	0	.00	--	--	--	16.9	.000
08...	--	--	--	--	--	--	--	--	--	--	7.98	.000
09...	--	--	--	--	--	--	--	--	--	--	9.33	.000
10...	--	--	--	--	--	--	--	--	--	--	12.0	.000
11...	--	--	--	--	--	--	--	--	--	--	23.7	.000
12...	.00	.00	.00	.00	.00	0	.00	.02	.00	.00	10.8	.000
13...	.00	.00	.00	.00	.00	0	.00	.02	.01	.00	11.0	.000
14...	.00	.00	.00	.00	.00	0	.00	.02	.01	.00	8.83	.000
JUL												
18...	.00	.00	.00	.00	.00	0	.00	.02	.02	.00	11.3	.000
AUG												
15...	.00	.00	.00	.00	.00	0	.00	.01	.00	.00	10.7	.000
SEP												
04...	.00	.00	.00	.00	.00	0	.00	.01	.00	.00	6.09	.000

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)

LOCATION.--Lat 30°02'05", long 90°01'55", T.12 S., R.12 E., Orleans Parish, Hydrologic Unit 08090202, at New Orleans.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	0800	7620	8.1	10	3	<1.0	9.1	140	1.1	K40	K12	760
NOV												
20...	0900	18300	7.7	5	3	<1.0	6.7	190	1.2	K1800	K44	2100
DEC												
18...	0830	8450	7.7	10	4	<1.0	10.5	170	1.4	5200	K70	870
JAN												
26...	0900	7460	7.8	15	15	<1.0	11.0	120	2.0	K16000	210	970
FEB												
22...	0840	4190	7.5	15	15	<1.0	10.6	85	2.4	5200	K250	410
MAR												
15...	1000	8150	7.6	15	30	<1.0	8.6	78	.6	4600	K60	870
APR												
16...	0900	4210	7.5	40	7	<1.0	8.2	53	.3	K140	K9	440
19...	1200	3730	8.3	30	5	<1.0	10.8	50	3.1	<10	K8	390
20...	1020	3610	7.9	20	5	<1.0	9.1	40	1.4	K12	K4	380
21...	0900	3280	7.6	20	7	<1.0	8.3	38	1.3	K36	K8	350
23...	0930	517	7.7	15	60	<1.0	8.5	18	1.3	12000	600	120
24...	0830	632	7.9	40	60	<1.0	8.2	19	1.6	7000	K1500	130
25...	0900	361	7.6	20	50	<1.0	7.8	17	1.6	K3400	660	120
26...	0900	361	7.8	30	40	<1.0	8.2	21	1.4	1400	K240	120
27...	0900	922	7.6	15	45	<1.0	7.8	20	.8	K1800	130	160
28...	0900	1140	7.4	15	40	<1.0	7.8	22	.3	84	50	170
29...	0900	323	7.6	20	50	<1.0	7.9	20	1.0	440	88	110
30...	1115	352	7.6	15	60	<1.0	8.2	18	1.7	5000	96	120
MAY												
01...	1240	304	7.9	20	50	<1.0	7.7	16	.5	190	36	110
02...	1000	292	7.7	20	60	<1.0	7.8	15	.1	240	K22	110
04...	0850	306	7.6	20	55	<1.0	8.1	15	.8	K40	K6	110
05...	0855	298	7.2	20	55	<1.0	8.5	16	--	200	K24	110
06...	0830	293	7.6	30	60	<1.0	7.9	18	.6	K800	K68	110
07...	1045	299	7.8	10	50	<1.0	7.9	14	1.3	270	100	110
08...	0930	299	7.8	20	45	<1.0	7.7	13	.9	440	84	110
09...	1045	306	7.6	40	50	<1.0	7.8	10	1.0	270	K76	110
10...	1055	316	7.4	40	35	<1.0	6.9	17	.9	700	190	120
11...	0930	321	7.3	20	25	<1.0	8.8	29	2.6	5800	K250	120
12...	0830	316	7.6	15	30	<1.0	8.2	22	1.8	80	K52	120
15...	0800	311	7.5	30	30	<1.0	7.8	13	1.2	K2000	K24	130
16...	0930	329	7.8	20	35	<1.0	8.4	17	.8	K64	K28	120
17...	0830	334	7.6	30	35	<1.0	7.7	21	1.2	520	K20	120
18...	0835	336	7.7	30	35	<1.0	8.0	24	.8	1200	K24	130
19...	0700	332	7.8	20	40	<1.0	8.4	17	1.0	170	K16	120
20...	0700	343	7.6	30	30	<1.0	8.2	15	1.0	K280	K10	120
21...	0905	343	7.9	15	20	<1.0	8.1	19	1.1	100	K26	120
22...	0730	336	7.8	20	35	<1.0	6.8	16	.1	K2200	400	130
23...	0930	344	7.8	30	25	<1.0	7.9	17	1.2	K100	K12	120
24...	0800	534	8.1	30	25	<1.0	8.1	18	4.3	1300	370	140

< 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).

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	710	56	150	1400	79	22	57	57	0	47	350	2300
NOV												
20...	2000	140	430	3300	76	31	140	88	0	72	870	5900
DEC												
18...	820	69	170	1500	77	22	69	60	0	49	390	2600
JAN												
26...	920	110	170	1300	73	18	56	66	0	54	350	2400
FEB												
22...	370	36	78	650	76	14	30	45	0	37	180	1200
MAR												
15...	830	67	170	1400	76	21	61	49	0	40	370	2400
APR												
16...	400	35	85	690	77	14	3.0	44	0	36	210	1200
19...	350	34	73	600	76	13	26	44	0	36	170	1100
20...	350	32	73	580	75	13	26	42	0	34	160	1000
21...	310	30	66	530	74	12	47	40	0	33	150	940
23...	51	27	13	52	47	2.1	4.7	85	0	70	39	88
24...	63	28	15	70	52	2.7	5.2	84	0	69	46	120
25...	44	30	10	27	33	1.1	3.7	88	0	72	37	42
26...	44	30	9.9	27	33	1.1	3.6	88	0	72	37	42
27...	95	31	20	120	61	4.1	7.0	79	0	65	55	210
28...	100	29	23	160	66	5.4	8.9	76	0	62	63	280
29...	39	29	9.3	18	25	.7	3.2	88	0	72	33	28
30...	46	30	9.9	23	29	.9	3.4	85	0	70	34	38
MAY												
01...	36	29	9.2	17	24	.7	3.3	90	0	74	33	24
02...	38	30	8.5	16	23	.7	2.8	88	0	72	37	24
04...	39	30	8.8	18	25	.7	3.2	88	0	72	49	25
05...	34	31	8.5	16	23	.7	3.3	95	0	78	36	22
06...	40	31	8.4	9.3	15	.4	3.2	88	0	72	29	18
07...	39	31	9.0	15	22	.6	3.1	92	0	75	32	23
08...	34	30	7.9	15	23	.6	3.1	90	0	74	34	19
09...	39	31	9.0	18	25	.7	3.3	92	0	75	43	25
10...	44	32	9.6	17	23	.7	3.4	92	0	75	38	27
11...	43	32	9.7	17	23	.7	3.1	94	0	77	38	25
12...	40	33	9.5	15	21	.6	2.9	100	0	82	35	24
15...	44	34	10	13	18	.5	3.0	100	0	82	38	21
16...	40	33	9.6	14	19	.6	3.2	100	0	82	36	23
17...	42	33	10	17	23	.7	3.1	100	0	82	36	24
18...	41	34	10	18	23	.7	3.1	104	0	85	38	25
19...	39	32	10	15	21	.6	3.3	100	0	82	35	21
20...	42	33	10	19	24	.7	3.2	100	0	82	37	28
21...	38	33	10	20	25	.8	3.5	104	0	85	36	29
22...	46	33	11	22	27	.8	3.7	100	0	82	64	31
23...	42	33	10	19	24	.7	3.4	100	0	82	41	27
24...	52	32	14	50	43	1.9	4.8	104	0	85	44	84

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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, AMMONIA + 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	.60	.08	2	1	1	0	0
NOV											
20...	10	.06	.01	.07	.67	.08	1	0	1	0	0
DEC											
18...	2	.11	.01	.12	.66	.07	1	0	1	0	0
JAN											
26...	18	.11	.04	.15	.98	.08	1	0	1	10	10
FEB											
22...	0	.08	.02	.10	.40	.09	1	0	1	0	0
MAR											
15...	18	.12	.02	.14	.75	.08	1	1	0	0	0
APR											
16...	7	.08	.00	.08	.75	.05	1	0	1	0	0
19...	0	.00	.02	.02	.80	.05	1	1	0	0	0
20...	6	.00	.02	.02	.54	.17	1	1	0	0	0
21...	43	.08	.00	.08	.47	.05	1	1	0	0	0
23...	72	1.6	.06	1.7	.73	.18	2	1	1	1	0
24...	26	1.5	.12	1.6	.65	.20	2	1	1	1	0
25...	18	1.7	.14	1.8	.52	.15	1	0	1	0	0
26...	18	1.6	.16	1.8	.56	.12	1	0	1	0	0
27...	38	1.3	.10	1.4	.67	.13	1	0	1	0	0
28...	52	1.2	.10	1.3	.61	.10	1	0	1	0	0
29...	42	1.7	.12	1.8	.50	.14	1	1	0	0	0
30...	54	1.6	.10	1.7	.81	.15	1	1	1	0	0
MAY											
01...	42	1.6	.10	1.7	.52	.13	2	1	1	0	0
02...	42	1.7	.04	1.7	.51	.15	2	1	1	0	0
04...	25	1.6	.06	1.7	.51	.13	2	0	2	0	0
05...	49	1.7	.04	1.7	.34	.15	2	1	1	0	0
06...	40	1.6	.06	1.7	.59	.14	2	1	1	0	0
07...	46	1.7	.08	1.8	.41	.16	2	1	1	0	0
08...	32	1.7	.06	1.8	.47	.16	2	1	1	0	0
09...	22	1.8	.02	1.8	.66	.15	2	0	2	0	0
10...	18	1.8	.02	1.8	.53	.14	2	0	2	0	0
11...	19	1.7	.02	1.7	.40	.15	2	0	2	0	0
12...	23	1.7	.02	1.7	.41	.09	2	1	1	0	0
15...	21	1.9	.02	1.9	.63	.10	2	1	1	0	0
16...	17	1.8	.02	1.8	.51	.13	2	1	1	0	0
17...	29	1.8	.02	1.8	.39	.14	2	1	1	0	0
18...	25	1.7	.02	1.7	.65	.12	2	1	1	0	0
19...	23	1.9	.02	1.9	.62	.11	2	1	1	0	0
20...	16	1.8	.02	1.8	.73	.11	2	0	2	0	0
21...	88	1.8	.02	1.8	.82	.11	2	1	1	0	0
22...	19	1.8	.02	1.8	.64	.12	2	1	1	0	0
23...	15	1.7	.02	1.7	.58	.09	2	1	1	0	0
24...	21	1.6	.02	1.6	.51	.09	2	1	1	0	0

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
30...	0	1	0	1	0	0	4	2	2	20	1
NOV											
20...	0	1	0	1	10	0	2	0	2	10	0
DEC											
18...	0	1	0	1	0	2	4	0	4	20	3
JAN											
26...	0	1	0	1	20	0	8	5	3	30	6
FEB											
22...	0	1	1	0	20	0	5	2	3	10	7
MAR											
15...	0	0	0	0	10	0	1	1	0	30	5
APR											
16...	0	1	0	1	10	0	6	1	5	10	13
19...	0	0	0	0	20	0	6	5	1	10	24
20...	0	0	0	0	10	0	13	12	1	10	56
21...	0	0	0	0	0	0	13	12	1	10	89
23...	1	1	0	1	0	0	6	5	1	10	24
24...	1	1	0	1	10	0	3	0	3	20	99
25...	0	0	0	0	10	0	11	8	3	40	24
26...	0	0	0	0	10	0	9	5	4	40	42
27...	0	0	0	0	0	0	36	34	2	10	40
28...	0	0	0	0	10	0	6	3	3	20	28
29...	0	0	0	0	10	0	8	7	1	10	18
30...	0	1	0	1	10	0	5	2	3	30	45
MAY											
01...	0	0	0	0	10	0	3	2	1	40	38
02...	0	1	1	0	10	0	4	4	0	20	10
04...	0	1	1	0	0	0	2	1	1	10	8
05...	0	1	1	0	10	0	4	4	0	10	9
06...	0	1	1	0	10	0	3	3	0	20	6
07...	0	1	1	0	10	0	4	4	0	10	6
08...	0	0	0	0	0	0	6	5	1	10	7
09...	0	1	1	0	0	0	4	4	0	10	9
10...	0	0	0	0	10	0	9	7	2	20	9
11...	0	0	0	0	10	0	5	3	2	30	3
12...	0	0	0	0	0	0	4	4	0	10	6
15...	0	1	0	1	10	0	6	5	1	10	21
16...	0	1	0	1	0	0	4	3	1	10	2
17...	0	0	0	0	10	0	5	4	1	10	5
18...	0	1	0	1	0	0	5	3	2	0	5
19...	0	1	0	1	10	0	4	3	1	20	3
20...	0	0	0	0	0	0	8	7	1	20	33
21...	0	0	0	0	0	0	5	4	1	20	6
22...	0	0	0	0	0	0	5	4	1	30	6
23...	0	0	0	0	0	0	6	5	1	20	10
24...	0	0	0	0	0	0	5	2	3	30	11

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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 (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	5	2	3	0	0	0	--
NOV												
20...	0	0	.0	.0	.0	0	0	0	1	0	1	--
DEC												
18...	1	2	.0	.0	.0	5	1	4	0	0	0	--
JAN												
26...	6	0	.0	.0	.0	2	1	1	0	0	0	--
FEB												
22...	7	0	.0	.0	.0	3	1	2	0	0	0	--
MAR												
15...	5	0	.0	.0	.0	0	0	0	0	0	0	--
APR												
16...	13	0	.0	.0	.0	3	3	0	0	0	0	--
19...	24	0	.0	.0	.0	8	8	0	0	0	0	--
20...	56	0	.0	.0	.0	11	11	0	0	0	0	--
21...	89	0	.0	.0	.0	12	12	0	0	0	0	--
23...	24	0	.0	.0	.0	9	9	0	0	0	0	.4
24...	99	0	.0	.0	.0	4	3	1	0	0	0	--
25...	22	2	.0	.0	.0	6	6	0	1	1	0	.4
26...	42	0	.0	.0	.0	4	4	0	0	0	0	.4
27...	40	0	.0	.0	.0	10	10	0	0	0	0	--
28...	28	0	.0	.0	.0	4	4	0	0	0	0	1.1
29...	18	0	.0	.0	.0	8	8	0	1	1	0	.2
30...	44	1	.1	.1	.0	3	1	2	1	0	0	.3
MAY												
01...	38	0	.0	.0	.0	3	3	0	1	0	1	.5
02...	10	0	.2	.2	.0	6	2	4	1	1	0	.0
04...	8	0	.1	.1	.0	4	1	3	1	1	0	.4
05...	9	0	.0	.0	.0	6	3	3	1	1	0	.4
06...	6	0	.0	.0	.0	6	4	2	0	0	0	.3
07...	6	0	.0	.0	.0	5	3	2	1	0	1	.3
08...	7	0	.0	.0	.0	4	4	0	1	0	1	.1
09...	9	0	.2	.2	.0	5	0	5	1	1	0	.6
10...	9	0	.0	.0	.0	7	7	0	1	1	0	.0
11...	3	0	.0	.0	.0	5	5	0	0	0	0	.2
12...	6	0	.2	.2	.0	6	6	0	1	0	1	.1
15...	21	0	.0	.0	.0	3	3	0	0	0	0	.0
16...	2	0	.1	.1	.0	5	5	0	1	0	1	.0
17...	5	0	.0	.0	.0	4	4	0	0	0	0	.1
18...	5	0	.0	.0	.0	5	5	0	1	1	0	.0
19...	3	0	.0	.0	.0	3	3	0	1	1	0	.0
20...	33	0	.0	.0	.0	5	5	0	0	0	0	.0
21...	6	0	.0	.0	.0	6	6	0	0	0	0	.0
22...	6	0	.0	.0	.0	3	3	0	1	1	0	.0
23...	10	0	.1	.1	.0	3	3	0	1	1	0	.0
24...	10	1	.0	.0	.0	3	1	2	0	0	0	.5

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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	5.9	.00	1	0	.0	.00	.000	.0	.000
NOV												
20...	40	0	40	5.4	.00	2	0	.0	.00	.000	.0	.000
DEC												
18...	30	0	30	6.2	.00	0	0	.0	--	.000	.0	.000
JAN												
26...	40	10	30	5.8	.00	0	0	.0	--	.000	.0	.000
FEB												
22...	30	10	20	8.5	.00	1	0	.0	--	.000	.0	.000
MAR												
15...	30	20	10	7.4	.00	1	0	.0	--	.000	.0	.000
APR												
16...	30	0	30	8.2	.00	4	0	.0	.00	.000	.0	.000
19...	20	10	10	7.9	.00	0	0	.0	.00	.000	.0	.000
20...	30	20	10	7.0	.00	16	0	.0	.00	.000	.0	.000
21...	40	30	10	5.8	.00	1	0	.0	.00	.000	.0	.000
23...	20	20	3	5.4	.00	5	0	.0	.00	.000	.0	.000
24...	30	30	3	5.4	.00	4	0	.0	.00	.000	.0	.000
25...	30	20	10	5.3	.00	4	0	.0	.00	.000	.0	.000
26...	30	20	10	4.7	.00	4	0	.0	.00	.000	.0	.000
27...	50	40	10	4.9	.00	2	0	.0	--	.000	.0	.000
28...	20	10	10	5.8	.00	0	0	.0	.00	.000	.0	.000
29...	30	20	10	5.1	.00	0	1	.0	.00	.000	.0	.000
30...	20	10	10	5.4	.00	2	0	.0	.00	.000	.0	.000
MAY												
01...	30	20	10	5.2	.00	3	--	.0	.00	.000	.0	.000
02...	20	10	10	5.0	.00	1	--	.0	.00	.000	.0	.000
04...	20	10	10	5.4	.00	3	--	--	--	--	--	--
05...	50	40	10	4.7	.00	1	0	.0	.00	.000	.0	.000
06...	20	10	10	5.6	.00	5	0	.0	.00	.000	.0	.000
07...	20	10	10	4.9	.00	1	0	--	--	--	--	--
08...	20	10	10	5.3	.00	0	--	.0	.00	.000	.0	.000
09...	20	10	10	4.6	.00	1	--	.0	.00	.000	.0	.000
10...	20	10	10	4.6	.00	0	--	--	--	--	--	--
11...	10	0	10	5.1	.00	2	--	.0	.00	.000	.0	.000
12...	20	10	10	5.5	.00	3	--	.0	.00	.000	.0	.000
15...	20	10	10	4.4	.00	3	--	.0	.00	.000	.0	.000
16...	10	0	10	4.9	.00	0	--	.0	.00	.000	.0	.000
17...	10	0	10	5.0	.00	1	--	.0	.00	.000	.0	.000
18...	10	0	10	4.8	.00	3	--	.0	.00	.000	.0	.000
19...	10	0	10	4.4	.00	0	--	.0	.00	.000	.0	.000
20...	20	10	10	5.2	.00	0	--	.0	.00	.000	.0	.000
21...	10	0	10	4.8	.00	1	--	.0	.00	.000	.0	.000
22...	20	10	10	--	.00	3	--	.0	.00	.000	.0	.000
23...	10	0	10	4.7	.00	0	--	.0	.00	.000	.0	.000
24...	20	10	10	5.3	.00	2	0	.0	.00	.000	.0	.000

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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	.02	.001	.000	.000	.00	.000	.000	.001	.00	.00
NOV												
20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.01	.00
DEC												
18...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.001	.00	.00
JAN												
26...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
FEB												
22...	.000	.001	.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	.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	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
25...	.000	.000	.02	.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	.001	.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	.01	.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	.02	.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	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
09...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
10...	--	--	--	--	--	--	--	--	--	--	--	--
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	.001	.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	.001	.000	.000	.00	.000	.000	.000	.00	.00
18...	.000	.000	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00
19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
21...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
22...	.000	.000	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00
23...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
24...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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	.08	.00	.00	3.45	.000
NOV												
20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.73	.276
DEC												
18...	.00	.00	.00	.00	.00	.0	.00	.07	.00	.00	19.7	.000
JAN												
26...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.38	.000
FEB												
22...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	28.8	.000
MAR												
15...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	10.0	.000
APR												
16...	.00	.00	.00	.00	.00	.0	.00	.02	.02	.00	12.0	.000
19...	.00	.00	.00	.00	.00	.0	.00	.01	.02	.00	14.5	.000
20...	.00	.00	.00	.00	.00	.0	.00	.02	.02	.00	21.3	.000
21...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	10.5	.000
23...	.00	.00	.00	.00	.00	.0	.00	.07	.01	.00	2.23	.000
24...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	2.18	.000
25...	.00	.00	.00	.00	.00	.0	.00	.04	.00	.00	1.17	.000
26...	.00	.00	.00	.00	.00	.0	.00	.05	.00	.00	8.47	.000
27...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.07	.000
28...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	6.54	.000
29...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	5.88	.000
30...	.00	.00	.00	.00	.00	.0	.00	--	--	--	1.18	.000
MAY												
01...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	3.86	.000
02...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.71	.000
04...	--	--	--	--	--	--	--	--	--	--	2.97	.000
05...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.70	.000
06...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	3.73	.000
07...	--	--	--	--	--	--	--	--	--	--	7.97	.000
08...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.97	.000
09...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	2.88	.000
10...	--	--	--	--	--	--	--	.05	.00	.00	14.5	.000
11...	.00	.00	.00	.00	.00	.0	.00	--	--	--	47.8	8.94
12...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	20.3	3.40
15...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	4.85	.000
16...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	5.46	.000
17...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	4.56	.000
18...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	6.39	.000
19...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	3.42	.000
20...	.00	.00	.00	.00	.00	.0	.00	--	--	--	9.33	.000
21...	.00	.00	.00	.00	.00	.0	.00	--	--	--	9.28	.000
22...	.00	.00	.00	.00	.00	.0	.00	--	--	--	3.42	.000
23...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	11.7	.000
24...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	20.7	.000

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
MAY												
25...	0900	1210	8.0	30	25	<1.0	8.5	20	.9	540	K130	200
29...	0930	1160	8.0	15	10	<1.0	7.8	14	.9	80	K16	200
30...	0810	1920	8.2	15	10	<1.0	8.0	17	.2	88	K4	270
31...	0820	1670	8.1	10	10	<1.0	8.6	18	1.5	920	K140	240
JUN												
01...	0830	1500	7.9	20	10	<1.0	9.0	16	1.0	>1600	K1200	230
02...	0845	1110	8.2	30	7	<1.0	10.0	15	1.6	K190	K20	180
03...	0730	1340	8.3	20	6	<1.0	9.6	9	1.8	K200	K14	--
04...	1015	1370	8.6	20	6		11.1	13	3.0	240	K12	210
05...	0830	1560	8.6	20	5	<1.0	9.8	17	1.9	300	K24	230
06...	0930	1840	8.4	5	5	<1.0	9.2	12	1.2	K8	<4	250
07...	0845	1790	8.2	5	4	<1.0	7.6	16	1.0	K28	K2	240
08...	0915	2020	8.0	5	4	<1.0	7.4	25	.7	K24	<2	250
09...	0910	2360	7.6	10	10	<1.0	6.5	29	.5	92	K6	280
10...	0845	2150	8.0	30	5	<1.0	8.5	23	1.5	K16	K6	250
11...	1035	9210	7.8	20	7	<1.0	6.2	75	.4	K70	K14	1000
12...	0945	4780	7.7	20	20	<1.0	7.1	30	2.6	--	--	490
13...	0930	3680	7.6	10	15	<1.0	7.4	30	.8	<10	<1	380
14...	0830	3630	7.7	10	20	<1.0	7.9	30	1.2	--	--	360
JUL												
18...	0930	4270	7.4	10	4	<1.0	7.8	61	1.1	210	K4	470
AUG												
15...	0930	5630	7.2	10	3	<1.0	8.0	35	1.9	K28	K2	620
SEP												
04...	1330	5930	7.6	10	3	<1.0	8.1	14	1.2	K40	K30	620

DATE	HARDNESS, NONCARBONATE (MG/L 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)
MAY												
25...	110	37	25	160	63	5.0	9.1	102	0	84	72	290
29...	120	38	25	150	61	4.6	8.5	98	0	80	69	260
30...	190	42	40	280	68	7.4	14	100	0	82	100	490
31...	160	40	35	240	67	6.7	12	98	0	80	90	410
JUN												
01...	140	39	31	200	65	5.8	10	100	0	82	79	340
02...	100	36	23	140	61	4.5	7.6	100	0	82	65	240
03...	--	--	--	180	8	--	9.4	100	0	82	77	310
04...	130	36	28	200	67	6.1	10	86	5	79	77	330
05...	160	36	35	230	67	6.5	11	87	4	78	87	380
06...	170	37	38	260	68	7.2	13	89	2	76	100	470
07...	170	36	37	250	84	7.0	13	84	0	69	93	470
08...	190	33	40	300	72	8.3	7.5	71	0	58	100	550
09...	220	36	46	350	72	9.1	16	68	0	56	110	640
10...	200	32	42	320	72	8.8	15	66	0	54	100	580
11...	950	78	200	1600	76	22	63	81	0	66	410	2900
12...	430	48	90	770	76	15	31	68	0	56	220	1400
13...	330	38	70	590	76	13	24	61	0	50	170	1000
14...	310	38	65	580	76	13	23	63	0	52	180	1000
JUL												
18...	420	40	89	700	75	14	32	60	0	49	200	1300
AUG												
15...	570	67	110	980	76	17	41	66	0	54	260	1700
SEP												
04...	570	50	120	1000	76	18	44	65	0	53	280	1800

< 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).

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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...	28	1.6	.02	1.6	.47	.09	2	1	1	0	0
29...	0	1.5	.02	1.5	.58	.06	2	0	2	0	0
30...	5	1.5	.02	1.5	.60	.04	1	0	1	0	0
31...	9	1.4	.02	1.4	.48	.05	1	0	1	0	0
JUN											
01...	7	1.5	.04	1.5	.54	.10	2	1	1	0	0
02...	10	1.2	.04	1.2	.10	.05	1	0	1	0	0
03...	6	1.2	.06	1.3	.56	.05	1	0	1	0	0
04...	6	1.1	.04	1.1	.58	.05	1	0	1	0	0
05...	6	.96	.04	1.0	.50	.04	1	0	1	0	0
06...	3	.91	.04	.95	.54	.03	1	0	1	0	0
07...	4	.90	.04	.94	.61	.03	1	1	0	0	0
08...	0	.58	.08	.66	.42	.04	1	0	1	0	0
09...	11	.55	.04	.59	.56	.06	1	1	0	0	0
10...	9	.47	.06	.53	.55	.04	1	0	1	0	0
11...	11	.43	.04	.47	.67	.04	1	1	0	0	0
12...	31	.34	.06	.40	.59	.05	1	0	1	0	0
13...	14	.36	.04	.40	.51	.03	1	0	1	0	0
14...	26	.31	.02	.33	.46	.32	1	0	1	0	0
JUL											
18...	4	.02	.02	.04	.54	.25	1	0	1	0	0
AUG											
15...	5	.00	.04	.04	.44	.08	1	0	1	0	0
SEP											
04...	20	.00	.00	.00	.63	.05	2	1	1	0	0

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	15	13	2	10	19
29...	0	0	0	0	10	0	4	1	3	10	5
30...	0	0	0	0	0	0	8	4	4	0	28
31...	0	0	0	0	0	0	6	4	2	10	9
JUN											
01...	0	1	0	1	0	0	3	1	2	0	7
02...	0	1	0	1	0	0	4	1	3	10	7
03...	0	1	0	1	0	0	3	1	2	0	3
04...	0	--	--	6	10	0	3	1	2	10	3
05...	0	1	0	1	0	0	4	2	2	20	14
06...	0	1	0	1	10	0	9	8	1	10	3
07...	0	0	0	1	0	0	3	1	2	10	1
08...	0	1	0	1	10	0	4	3	1	0	530
09...	0	1	0	1	10	0	3	2	1	10	14
10...	0	0	0	1	10	0	3	2	1	10	8
11...	0	1	0	1	10	0	4	3	1	10	8
12...	0	0	0	0	10	0	5	2	3	10	6
13...	0	1	1	0	20	0	5	2	3	10	10
14...	0	1	1	0	10	0	6	5	1	0	6
JUL											
18...	0	2	2	0	0	0	5	4	1	10	7
AUG											
15...	0	1	0	1	20	0	2	0	2	0	1
SEP											
04...	0	1	0	1	20	0	1	0	2	10	0

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
MAY												
25...	18	1	.0	.0	.0	5	3	2	0	0	0	40
29...	4	1	.0	.0	.0	4	2	2	0	0	0	10
30...	27	1	.0	.0	.0	4	2	2	0	0	0	20
31...	7	2	.0	.0	.0	4	2	2	0	0	0	10
JUN												
01...	7	0	.0	.0	.0	3	1	2	0	0	0	20
02...	7	0	.0	.0	.0	3	0	3	0	0	0	20
03...	3	0	.0	.0	.0	3	0	3	0	0	0	20
04...	2	1	.0	.0	.0	3	0	3	0	0	0	30
05...	14	0	.0	.0	.0	6	6	0	0	0	0	10
06...	2	1	.0	.0	.0	5	2	3	0	0	0	10
07...	1	0	.0	.0	.0	3	0	4	0	0	0	10
08...	530	1	.0	.0	.0	4	1	3	0	0	0	20
09...	13	1	.1	.0	.1	4	0	4	0	0	0	10
10...	8	0	.0	.0	.0	5	2	3	0	0	1	10
11...	7	1	.0	.0	.0	5	2	3	0	0	0	20
12...	6	0	.0	.0	.0	5	0	5	0	0	0	20
13...	10	0	.0	.0	.0	4	0	4	0	0	0	10
14...	6	0	.0	.0	.0	5	0	5	0	0	0	20
JUL												
18...	7	0	.1	.0	.1	4	2	2	0	0	0	40
AUG												
15...	1	0	--	--	--	2	2	0	0	0	0	10
SEP												
04...	0	0	.1	.1	.0	0	0	0	0	0	0	10

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)
MAY												
25...	30	10	5.3	.00	4	0	.0	.00	.000	.0	.000	.000
29...	0	10	4.2	.00	2	0	.0	.00	.000	.0	.000	.000
30...	10	10	5.7	.00	3	0	.0	.00	.000	.0	.000	.000
31...	0	10	4.3	.00	2	0	.0	.00	.000	.0	.000	.000
JUN												
01...	10	10	5.5	.00	2	0	.0	.00	.000	.0	.000	.000
02...	10	10	5.2	.00	0	1	.0	.00	.000	.0	.000	.000
03...	10	10	5.6	.00	1	0	.0	.00	.000	.0	.000	.000
04...	0	30	6.5	.00	0	--	.0	.00	.000	.0	.000	.000
05...	0	10	6.9	.00	0	--	.0	.00	.000	.0	.000	.000
06...	0	10	5.6	.00	1	--	.0	.00	.000	.0	.000	.000
07...	0	10	5.9	.00	2	--	.0	.00	.000	.0	.000	.000
08...	10	10	5.1	.00	1	--	.0	.00	.000	.0	.000	.000
09...	0	10	--	.00	3	--	--	--	--	--	--	--
10...	0	10	--	.00	4	--	--	--	--	--	--	--
11...	10	10	--	.00	2	--	--	--	--	--	--	--
12...	10	10	--	.00	1	--	.0	.00	.000	.0	.000	.000
13...	0	10	--	.00	3	--	.0	.00	.000	.0	.000	.000
14...	10	10	--	.00	0	--	.0	.00	.000	.0	.000	.000
JUL												
18...	0	40	6.9	.00	0	--	.0	.00	.000	.0	.000	.000
AUG												
15...	0	9	--	.00	0	0	.0	.00	.000	.0	.000	.000
SEP												
04...	0	10	--	.00	1	--	.0	.00	.000	.0	.000	.000

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--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)
MAY												
25...	.000	.01	.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	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN												
01...	.000	.03	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
02...	.000	.00	.007	.000	.000	.00	.000	.000	.000	.00	.00	.00
03...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
05...	.000	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
06...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
07...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
08...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
09...	--	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--
12...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
13...	.000	.01	.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	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG												
15...	.000	.01	.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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAY											
25...	.00	.00	.00	.00	.0	.00	.02	.01	.00	12.9	.000
29...	.00	.01	.00	.00	.0	.00	.03	.01	.00	5.98	.000
30...	.00	.00	.00	.00	.0	.00	.03	.01	.00	7.95	.000
31...	.00	.00	.00	.00	.0	.00	.03	.01	.00	17.4	.000
JUN											
01...	.00	.00	.00	.00	.0	.00	.05	.01	.00	20.8	.000
02...	.00	.00	.00	.00	.0	.00	.04	.01	.00	18.4	.000
03...	.00	.00	.00	.00	.0	.00	.04	.00	.00	15.9	.000
04...	.00	.00	.00	.00	.0	.00	--	--	--	27.1	.000
05...	.00	.00	.00	.00	.0	.00	--	--	--	11.6	.000
06...	.00	.00	.00	.00	.0	.00	.04	.01	.00	16.0	.480
07...	.00	.00	.00	.00	.0	.00	--	--	--	10.2	.000
08...	.00	.00	.00	.00	.0	.00	--	--	--	1.41	.000
09...	--	--	--	--	--	--	--	--	--	18.6	.000
10...	--	--	--	--	--	--	--	--	--	11.6	.000
11...	--	--	--	--	--	--	--	--	--	9.08	.000
12...	.00	.00	.00	.00	.0	.00	.03	.02	.00	15.7	.000
13...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.840	.000
14...	.00	.00	.00	.00	.0	.00	.03	.01	.00	11.0	.000
JUL											
18...	.00	.00	.00	.00	.0	.00	.04	.00	.00	16.5	.000
AUG											
15...	.00	.00	.00	.00	.0	.00	.03	.00	.00	13.2	.000
SEP											
04...	.00	.00	.00	.00	.0	.00	.02	.01	.00	12.0	.000

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)

LOCATION.--Lat 30°00'24", long 89°56'05", T.12 S., R.13 E., Orleans Parish, Hydrologic Unit 08090203, at New Orleans.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	0800	19400	7.8	10	3	<1.0	7.4	180	.8	580	K2	2200
NOV												
21...	0800	19800	7.7	10	3	<1.0	7.4	170	1.9	1200	K4	2300
DEC												
19...	0820	16600	7.6	5	3	<1.0	9.2	61	2.3	780	K90	1800
JAN												
26...	1215	18000	7.8	10	10	<1.0	10.8	420	2.1	1100	40	1800
FEB												
22...	1230	8950	7.4	20	8	<1.0	10.4	91	4.3	5600	48	970
MAR												
15...	1330	12800	6.9	15	10	<1.0	9.0	80	1.9	K2600	K10	1400
APR												
16...	1100	6960	7.5	20	10	<1.0	7.0	55	1.1	K20000	230	746
JUL												
18...	1310	16200	7.4	10	3	<1.0	7.8	120	2.8	1200	K34	1800
AUG												
16...	1100	17000	7.6	20	4	<1.0	6.8	70	2.1	K24	K12	2000
SEP												
04...	1550	15700	7.3	20	5	<1.0	7.0	27	--	K16	K6	1800

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	2200	140	450	3800	78	35	150	8	0	7	1000	6700
NOV												
21...	2200	150	460	3600	76	33	150	95	0	78	990	6700
DEC												
19...	1700	130	360	3100	77	32	140	91	0	75	850	5300
JAN												
26...	1730	260	280	3400	79	35	140	89	0	73	850	5600
FEB												
22...	920	74	190	1500	76	21	70	63	0	52	440	2600
MAR												
15...	1300	99	270	2300	77	27	86	76	0	62	610	4300
APR												
16...	690	56	150	1200	78	19	--	63	0	52	310	2100
JUL												
18...	1700	130	360	3000	77	31	130	93	0	76	760	5600
AUG												
16...	1900	130	400	3200	76	31	140	92	0	75	840	5800
SEP												
04...	1700	120	360	3000	77	31	120	87	0	71	780	5400

< 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).

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)--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 31...	8	.03	.01	.04	.70	.04	1	0	1	10	10
NOV 21...	5	.07	.01	.08	.68	.09	1	0	1	0	0
DEC 19...	4	.14	.01	.15	.65	.08	1	0	1	10	0
JAN 26...	94	.14	.02	.16	.53	.07	1	0	1	10	0
FEB 22...	16	.12	.02	.14	.57	.00	1	0	0	10	10
MAR 15...	11	.02	.02	.04	.31	.01	1	0	1	0	0
APR 16...	20	.13	.02	.15	.83	.05	0	0	0	0	0
JUL 18...	6	.00	.02	.02	.49	.05	1	0	1	0	0
AUG 16...	13	.00	.06	.06	.61	.09	1	0	1	10	0
SEP 04...	9	.02	.00	.02	.63	.05	1	0	1	20	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)
OCT 31...	0	1	1	0	0	0	3	1	2	10	6
NOV 21...	0	0	0	0	0	0	4	0	4	10	6
DEC 19...	10	1	0	1	10	0	4	1	3	10	3
JAN 26...	10	0	0	0	40	0	7	6	1	40	5
FEB 22...	0	0	0	0	20	0	4	1	3	20	1
MAR 15...	0	0	0	0	10	0	7	7	0	30	30
APR 16...	0	0	0	0	10	0	6	5	1	10	19
JUL 18...	0	0	0	0	10	0	2	1	1	20	3
AUG 16...	10	1	1	0	20	0	2	0	2	10	1
SEP 04...	10	0	0	0	20	0	1	1	0	20	0

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT 31...	6	0	.0	.0	.0	3	3	0	0	0	0	30
NOV 21...	6	0	.0	.0	.0	0	0	0	0	0	0	50
DEC 19...	3	0	.0	.0	.0	4	1	3	0	0	0	20
JAN 26...	5	0	.0	.0	.0	5	5	0	0	0	0	80
FEB 22...	0	1	.1	.1	.0	3	1	2	0	0	0	30
MAR 15...	29	1	.0	.0	.0	6	6	0	0	0	0	90
APR 16...	19	0	.0	.0	.0	2	2	0	0	0	0	30
JUL 18...	1	2	.2	.0	.2	3	2	1	0	0	0	40
AUG 16...	1	0	.1	.0	.1	22	22	0	0	0	0	20
SEP 04...	0	0	.1	.1	.0	6	6	0	0	0	0	20

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 31...	0	30	5.4	.00	1	0	.0	.00	.000	.0	.000	.000
NOV 21...	10	40	6.0	.00	1	0	.0	.00	.000	.0	.000	.000
DEC 19...	0	20	.4	.00	1	--	.0	--	.000	.0	.000	.000
JAN 26...	30	50	5.6	.00	0	0	.0	--	.000	.0	.000	.000
FEB 22...	10	20	9.2	.00	2	0	.0	--	.000	.0	.000	.000
MAR 15...	60	30	2.9	.00	1	0	.0	--	.000	.0	.000	.000
APR 16...	10	20	7.8	.00	1	0	.0	.00	.000	.0	.000	.000
JUL 18...	20	20	7.4	.00	0	--	.0	.00	.000	.0	.000	.000
AUG 16...	0	20	--	.00	0	--	.0	.00	.000	.0	.000	.000
SEP 04...	0	20	--	.00	0	--	.0	.00	.000	.0	.000	.000

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)--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)
OCT 31...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 21...	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
DEC 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 22...	.001	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	--
MAR 15...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 18...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 16...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 04...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 31...	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.62	.000
NOV 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.28	.245
DEC 19...	.00	.00	.00	.00	.0	.00	.05	.02	.01	11.2	.340
JAN 26...	.00	.00	.00	.00	.0	.00	.03	.00	.00	4.32	.000
FEB 22...	.00	.00	.00	.00	--	.00	.01	.00	.00	41.4	5.96
MAR 15...	.00	.00	.00	.00	.0	.00	.02	.00	.00	22.3	.000
APR 16...	.00	.00	.00	.00	.0	.00	.02	.02	.00	13.4	.000
JUL 18...	.00	.00	.00	.00	.0	.00	.02	.00	.00	24.5	.000
AUG 16...	.00	.00	.00	.00	.0	.00	.01	.00	.00	16.1	.000
SEP 04...	.00	.00	.00	.00	.0	.00	.01	.00	.00	9.56	.000

300404089482500 CHEF MENTEUR PASS NEAR LAKE BORGNE, AT CHEF MENTEUR, LA (CE 85750)

LOCATION.--Lat 30°04'04", long 89°48'25", T.12 S., R.14 E., Orleans Parish, Hydrologic Unit 08090203, north of U.S. Highway 190 bridge, 0.1 mi (0.2 km) southwest of Chef Menteur.

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, 30.5°C July 7, 26, 30, Aug. 7, 1977; minimum daily, 3.0°C Jan. 24, 1979.
CHLORIDE: Maximum daily, 8,100 mg/L Sep. 1, 1977; minimum daily, 50 mg/L May 10, 14, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C July 6; minimum daily, 3.0°C Jan. 24.
CHLORIDE: Maximum daily, 4,500 mg/L Nov. 19, 20, 22, 23, 26, 30; minimum daily, 50 mg/L May 10, 14.

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	25.5	22.0	18.0	14.0	4.0	---	20.0	21.0	24.0	28.0	29.0	28.0
2	24.0	21.0	18.0	7.0	5.0	---	21.0	21.0	25.0	28.0	29.0	28.0
3	25.0	21.0	18.0	7.0	6.0	---	20.0	22.0	25.0	28.0	29.0	27.0
4	25.0	22.0	18.0	6.0	7.0	---	20.0	22.0	26.0	29.0	29.0	28.0
5	25.5	21.0	21.0	6.0	7.0	---	18.0	21.0	26.0	29.0	29.0	28.0
6	24.5	21.0	21.0	8.0	6.0	---	18.0	20.0	27.0	30.0	29.0	28.0
7	21.5	21.0	18.0	8.0	6.0	13.0	18.0	22.0	27.0	29.0	29.0	27.0
8	20.5	18.0	18.0	7.0	6.0	13.0	20.0	22.0	27.0	29.0	29.0	28.0
9	20.0	18.0	18.0	4.0	6.0	14.0	20.0	23.0	28.0	---	29.0	26.0
10	19.5	18.0	14.0	5.0	4.0	15.0	20.0	23.0	28.0	---	28.0	26.0
11	21.0	19.0	18.0	6.0	5.0	13.0	21.0	24.0	26.0	26.0	28.0	26.0
12	22.0	20.0	18.0	7.0	6.0	13.0	22.0	24.0	24.0	26.0	28.0	25.0
13	22.5	21.0	14.0	7.0	8.0	14.0	22.0	22.0	24.0	26.0	28.0	24.0
14	21.0	20.0	10.0	4.0	10.0	16.0	21.0	22.0	25.0	27.0	28.0	24.0
15	21.5	21.0	10.0	4.0	10.0	15.0	22.0	20.0	25.0	27.0	28.0	24.0
16	19.5	22.0	11.0	6.0	12.0	14.0	21.0	24.0	24.0	28.0	28.0	22.0
17	18.0	22.0	11.0	7.0	11.0	15.0	22.0	24.0	25.0	28.0	28.0	23.0
18	19.0	22.0	10.0	8.0	10.0	16.0	22.0	24.0	27.0	28.0	29.0	24.0
19	18.5	22.0	12.0	10.0	10.0	16.0	22.0	23.0	27.0	28.0	28.0	24.0
20	19.5	21.0	13.0	11.0	10.0	17.0	22.0	23.0	27.0	28.0	29.0	24.0
21	21.0	21.0	14.0	8.0	11.0	18.0	23.0	23.0	27.0	28.0	28.0	24.0
22	20.5	21.0	12.0	8.0	12.0	19.0	22.0	24.0	28.0	29.0	29.0	24.0
23	20.0	21.0	12.0	7.0	13.0	18.0	21.0	24.0	28.0	27.0	28.0	24.0
24	21.0	21.0	13.0	3.0	13.0	17.0	21.0	24.0	27.0	26.0	27.0	24.0
25	21.0	22.0	11.0	5.0	11.0	12.0	20.0	25.0	27.0	26.0	28.0	26.0
26	21.5	23.0	11.0	6.0	11.0	13.0	20.0	25.0	27.0	27.0	28.0	26.0
27	21.5	23.0	11.0	6.0	11.0	14.0	20.0	25.0	27.0	27.0	28.0	26.0
28	21.0	23.0	9.0	5.0	11.0	16.0	20.0	25.0	28.0	28.0	27.0	26.0
29	21.5	21.0	10.0	5.0	---	18.0	20.0	25.0	27.0	28.0	27.0	26.0
30	23.5	21.0	11.0	5.0	---	19.0	19.0	25.0	28.0	28.0	27.0	26.0
31	21.0	---	14.0	5.0	---	19.0	---	25.0	---	28.0	28.0	---

300404089482500 CHEF MENTEUR PASS NEAR LAKE BORGNE, AT CHEF MENTEUR, LA (CE 85750)--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	2900	3600	4400	3700	2200	1300	1300	600	300	1200	2200	3300
2	1800	3700	4400	2900	2200	1300	1300	500	290	1600	1100	3200
3	1900	3500	4300	3600	2100	1500	1300	200	260	1200	2500	3100
4	2500	3600	4300	2800	1900	1200	1400	200	270	1100	2100	3100
5	2800	3700	3200	3500	1900	1000	1300	200	380	1100	2100	2400
6	2700	3600	3000	3700	1700	1100	1400	100	330	2000	2100	2100
7	2800	3200	3500	3400	1300	1100	1400	200	820	2800	2200	2200
8	3100	3000	3200	3100	1500	1000	1300	100	1300	2300	2600	2500
9	3000	3100	2600	3100	1600	1100	1400	100	1000	---	2800	3200
10	3300	3200	2400	3200	2100	1100	1400	50	700	---	2700	3100
11	3300	3300	3000	3300	1800	1000	1400	70	900	3000	2300	3500
12	3200	3200	3300	3500	2100	1200	1500	80	900	3200	1700	3600
13	3500	3200	3300	3400	1800	1300	1300	70	2100	2900	2900	3500
14	3200	3300	3600	2600	1900	1400	1500	50	2400	2400	2800	3800
15	3700	4400	3700	2700	2000	1400	1600	70	2200	1800	2600	3900
16	2700	4300	3800	3000	2100	1400	1400	200	2600	900	2800	3300
17	3700	4300	3800	3200	2100	1500	1400	800	2200	1000	2800	3400
18	3600	4300	3800	2700	1800	1100	1400	700	1800	3000	2800	3300
19	3800	4500	3700	3000	2000	1000	1400	900	1700	2600	2800	3400
20	3600	4500	3500	2800	2000	900	1300	1000	2000	2400	2800	3700
21	3400	4400	3500	2400	1500	1100	1500	500	1900	1400	2600	3500
22	3400	4500	3500	2800	1500	1100	2400	500	2000	2900	2600	2100
23	3800	4500	3600	2500	1300	1000	900	700	2300	2900	2600	2300
24	3200	4000	3400	2400	1300	1200	900	800	2300	3000	2300	3000
25	3000	4000	2900	2600	1500	1300	400	60	2200	3500	2800	3200
26	3500	4500	3000	3300	1300	1400	300	140	2500	3500	3000	3100
27	3400	4300	3600	2200	1500	1600	800	210	1600	2400	3000	3300
28	4200	4400	3600	2100	1500	1700	700	190	1500	1900	3100	3200
29	3900	4300	3700	2300	---	1500	800	250	1500	1400	3200	2700
30	4400	4500	3400	2200	---	1700	800	360	1500	1300	3000	2500
31	4000	---	3400	2200	---	1200	---	270	---	1200	3200	---

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)

LOCATION.--Lat 29°56'23", long 89°50'18", T.13 S., R.14 E., St. Bernard Parish, Hydrologic Unit 08090203, 4.5 mi (7.2 km) northeast of Violet.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	1115	17700	8.0	10	8	<1.0	7.6	260	9.0	1500	K8	2000
NOV												
20...	1215	18200	7.8	15	8	<1.0	8.2	180	1.7	280	K4	2100
DEC												
18...	1245	16700	8.0	20	6	<1.0	--	240	--	320	K24	1800
JAN												
26...	1230	11600	7.8	10	30	<1.0	11.6	210	2.4	K360	K12	1200
FEB												
22...	1215	7700	7.4	20	10	<1.0	8.9	81	2.7	K3200	150	820
MAR												
15...	1315	8750	6.3	15	45	<1.0	9.0	42	2.3	540	K40	920
APR												
16...	1115	6860	7.4	20	15	<1.0	7.3	58	1.3	K17000	130	230
JUL												
18...	1305	14500	7.5	10	6	<1.0	6.8	150	1.4	140	K2	1600
AUG												
16...	1120	19000	7.7	15	4	<1.0	6.9	12	1.4	K8	K2	2100
SEP												
04...	1540	15900	7.5	20	4	<1.0	7.2	0	.1	K8	K2	1800

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	1900	140	390	3500	78	34	170	85	0	70	840	6200
NOV												
20...	2000	140	420	3200	76	31	140	86	0	71	880	6000
DEC												
18...	1700	130	360	3200	78	33	140	126	0	100	720	5700
JAN												
26...	1200	77	260	2100	77	26	92	72	0	59	740	3700
FEB												
22...	760	65	160	1300	76	20	60	73	0	60	370	2200
MAR												
15...	860	70	180	1500	77	22	57	64	0	53	420	2700
APR												
16...	180	66	15	1200	92	35	--	62	0	51	170	2000
JUL												
18...	1500	120	320	2700	77	29	120	86	0	71	700	4800
AUG												
16...	2100	150	430	3600	77	34	160	94	0	77	990	6400
SEP												
04...	1700	120	360	2900	77	30	120	88	0	72	770	5300

< 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).

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)--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...	21	.01	.01	.02	.70	.05	2	1	1	10	0
NOV											
20...	21	.01	.01	.02	.62	.07	1	0	1	0	0
DEC											
18...	4	.04	.00	.04	.41	.06	1	0	1	10	0
JAN											
26...	22	.05	.02	.07	.43	.10	1	0	1	10	10
FEB											
22...	26	.04	.02	.06	.56	.10	1	0	1	10	10
MAR											
15...	81	.00	.02	.02	.57	.08	1	1	0	0	0
APR											
16...	16	.13	.02	.15	.86	.04	0	0	0	0	0
JUL											
18...	12	.00	.02	.02	.51	.04	1	1	0	0	0
AUG											
16...	10	.00	.02	.02	.39	.07	1	0	1	10	0
SEP											
04...	14	.01	.00	.01	.56	.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-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)
OCT											
30...	10	1	0	1	0	0	2	2	0	20	0
NOV											
20...	0	0	0	0	10	0	3	3	0	10	1
DEC											
18...	10	0	0	0	10	1	7	4	3	20	7
JAN											
26...	0	1	0	1	20	0	8	6	2	40	6
FEB											
22...	0	0	0	0	20	0	4	2	2	20	2
MAR											
15...	0	0	0	0	10	0	10	10	0	20	60
APR											
16...	0	0	0	0	10	0	5	4	1	0	10
JUL											
18...	0	1	0	1	10	0	4	3	1	10	4
AUG											
16...	10	1	0	1	20	0	2	0	2	20	0
SEP											
04...	0	0	0	0	20	0	3	3	0	20	0

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT 30...	0	0	.0	.0	.0	4	1	3	0	0	0	30
NOV 20...	1	0	.0	.0	.0	0	0	0	0	0	0	50
DEC 18...	5	2	.0	.0	.0	5	3	2	0	0	0	30
JAN 26...	6	0	.0	.0	.0	3	1	2	0	0	0	50
FEB 22...	1	1	.0	.0	.0	3	2	1	0	0	0	30
MAR 15...	60	0	.0	.0	.0	2	2	0	0	0	0	30
APR 16...	10	0	.0	.0	.0	3	3	0	0	0	0	30
JUL 18...	4	0	.0	.0	.0	4	2	2	0	0	0	40
AUG 16...	0	0	.1	.1	.0	3	2	1	0	0	0	20
SEP 04...	0	0	.1	.1	.0	1	1	0	0	0	0	20

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	30	6.7	.00	1	0	.0	.00	.00	.0	.00	.00
NOV 20...	10	40	6.2	.00	0	0	.0	.00	.000	.0	.000	.000
DEC 18...	0	30	6.2	.00	0	0	.0	--	.000	.0	.000	.000
JAN 26...	10	40	6.6	.00	0	4	.0	--	.000	.0	.000	.000
FEB 22...	10	20	9.1	.00	0	0	.0	--	.000	.0	.000	.000
MAR 15...	20	10	9.8	.00	1	0	.0	--	.000	.0	.000	.000
APR 16...	10	20	7.2	.00	0	0	--	--	--	--	--	--
JUL 18...	10	30	6.6	.00	0	--	.0	.00	.000	.0	.000	.000
AUG 16...	0	20	--	.00	0	--	.0	.00	.000	.0	.000	.000
SEP 04...	0	20	--	.00	0	--	.0	.00	.000	.0	.000	.000

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)--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)
OCT 30...	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NOV 20...	.000	.00	.000	.000	.000	.00	.001	.000	.000	.00	.00	.00
DEC 18...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 22...	.001	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00	.00
MAR 15...	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
APR 16...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 18...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 04...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.00	0	.00	.00	.00	.00	2.40	.000
NOV 20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.13	.433
DEC 18...	.00	.00	.00	.00	.0	.00	.02	.00	.00	8.95	.000
JAN 26...	.00	.00	.00	.00	.0	.00	.02	.00	.00	9.58	.000
FEB 22...	.00	.00	.00	.00	.0	.00	.01	.00	.00	15.8	.360
MAR 15...	.00	.00	.00	.00	.0	.00	--	--	--	27.3	.000
APR 16...	--	--	--	--	--	--	.00	.00	.00	14.7	.000
JUL 18...	.00	.00	.00	.00	.0	.00	.00	.01	.00	13.1	.000
AUG 16...	.00	.00	.00	.00	.0	.00	.01	.00	.00	18.2	.000
SEP 04...	.00	.00	.00	.00	.0	.00	.01	.00	.00	11.3	.000

295019089411500 BAYOU LALOUTRE AT ALLUVIAL CITY, AT YSCLOSKEY, LA (CE 85775)

LOCATION.--Lat 29°50'19", long 89°41'15", T.14 S., R.15 E., St. Bernard Parish, Hydrologic Unit 08090203, 0.2 mi (0.3 km) south of Yscloskey.

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, 32.0°C July 20, 1977; minimum daily, 6.0°C several days during January and February 1978.
CHLORIDE: Maximum daily, 16,000 mg/L June 29, 30, July 1-4, 7-9, 12, 1977; minimum daily, 1,300 mg/L May 10-12, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during June, July and August; minimum daily, 8.0°C Feb. 9.
CHLORIDE: Maximum daily, 9,500 mg/L Sep. 16; minimum daily, 200 mg/L May 7, 9, 11, 13.

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	29.0	22.0	---	13.0	10.0	13.0	22.0	21.0	24.0	30.0	---	29.0
2	29.0	22.0	23.0	10.0	10.0	13.0	22.0	21.0	24.0	30.0	---	29.0
3	29.0	22.0	23.0	10.0	10.0	13.0	---	21.0	24.0	30.0	---	29.0
4	29.0	23.0	23.0	10.0	10.0	13.0	23.0	21.0	25.0	29.0	30.0	28.0
5	28.5	23.0	23.0	10.0	10.0	13.0	23.0	22.0	25.0	30.0	30.0	28.0
6	28.5	23.0	23.0	11.0	9.0	14.0	23.0	22.0	25.0	30.0	30.0	28.0
7	28.5	23.0	19.0	11.0	9.0	14.0	23.0	22.0	25.0	29.0	30.0	28.0
8	28.5	23.0	19.0	10.0	9.0	14.0	23.0	22.0	26.0	29.0	30.0	28.0
9	28.0	23.0	18.0	10.0	8.0	14.0	23.0	22.0	26.0	30.0	30.0	28.0
10	28.0	23.0	18.0	10.0	9.0	15.0	23.0	22.0	26.0	30.0	30.0	28.0
11	28.0	23.0	18.0	10.0	9.0	15.0	23.0	22.0	26.0	30.0	30.0	28.0
12	28.0	23.0	15.0	10.0	9.0	16.0	23.0	22.0	26.0	30.0	30.0	28.0
13	28.0	22.0	15.0	10.0	9.5	16.0	23.0	22.0	26.0	30.0	30.0	28.0
14	26.0	22.0	14.0	10.0	9.5	16.0	23.0	22.0	26.0	30.0	30.0	28.0
15	26.0	22.0	14.0	10.0	10.0	22.0	23.0	22.0	27.0	30.0	---	28.0
16	25.5	23.0	13.0	10.0	10.0	17.0	23.0	22.0	27.0	30.0	---	28.0
17	25.0	22.5	13.0	10.0	10.5	18.0	23.0	23.0	27.0	30.0	---	28.0
18	25.0	22.5	13.0	10.0	11.0	18.0	23.0	23.0	28.0	29.0	30.0	26.0
19	24.5	22.5	13.0	9.0	11.0	19.0	23.0	23.0	28.0	30.0	30.0	26.0
20	24.0	22.5	13.0	9.0	11.0	19.0	23.0	23.0	28.0	30.0	30.0	26.0
21	23.5	23.5	13.0	9.0	11.5	20.0	23.0	24.0	29.0	30.0	30.0	26.0
22	23.0	23.5	12.0	9.0	12.0	20.0	23.0	24.0	29.0	30.0	30.0	26.0
23	23.5	23.5	12.0	---	---	20.0	23.0	24.0	29.0	30.0	30.0	26.0
24	22.0	23.5	13.0	---	12.0	21.0	23.0	24.0	29.0	30.0	30.0	26.0
25	22.0	23.0	13.0	9.0	12.5	21.0	23.0	24.0	30.0	30.0	30.0	27.0
26	22.0	23.0	13.0	9.0	12.5	21.0	26.0	24.0	29.0	30.0	30.0	27.0
27	22.0	23.0	13.0	10.0	13.0	21.0	24.0	25.0	29.0	30.0	30.0	27.0
28	22.0	23.0	13.0	9.0	13.0	21.0	26.0	25.0	30.0	30.0	30.0	27.0
29	22.0	23.0	13.0	9.0	---	21.0	24.0	25.0	30.0	30.0	30.0	27.0
30	22.0	23.0	14.0	9.0	---	22.0	24.0	25.0	29.0	30.0	30.0	27.0
31	---	---	13.0	9.0	---	22.0	---	25.0	---	30.0	30.0	---

295019089411500 BAYOU LALOUTRE AT ALLUVIAL CITY, AT YSCLOSKEY, LA (CE 85775)--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	6700	7100	---	---	2600	2600	4300	300	3500	6200	---	4700
2	6600	7700	7600	7200	2500	2700	4400	400	3500	6200	---	4700
3	6700	7100	7800	7300	2500	2600	---	300	3400	6200	---	4600
4	6300	7300	7300	7100	2400	2700	3000	300	3400	6100	8300	4600
5	6500	7000	7700	7200	2500	2600	2800	300	3000	6200	8000	4700
6	6400	7700	7300	7300	2500	2700	3000	300	3600	6200	8100	4700
7	6500	7100	5900	7200	2500	2800	3000	200	3500	6300	7900	4600
8	6500	7200	5800	7300	2500	2600	2900	300	3700	5900	8100	4400
9	6600	7100	5900	7200	2500	2500	2900	200	3300	6100	8000	4700
10	6300	7100	5900	6900	2500	2800	3000	300	3500	6100	8000	4600
11	6400	7100	5900	7200	2200	3200	2900	200	3500	6200	8200	4900
12	6600	7400	5800	7200	2300	3100	2900	300	3500	6200	8000	4700
13	6600	7400	6600	6900	2300	3000	2900	200	3800	6200	8100	9300
14	6400	7600	5900	7300	2300	3200	2900	300	3600	8500	8100	9400
15	6500	7400	6000	7200	2400	2600	2800	300	3500	8200	---	9200
16	6100	7300	5900	6400	2300	3000	2900	300	3600	8200	---	9500
17	6600	7600	5600	5200	2400	3000	2900	1500	3500	7200	---	4900
18	5500	7200	5900	5400	2300	3000	2900	1800	3600	7700	8200	4700
19	6300	7500	6000	5400	2400	3000	3000	1900	3800	8300	7500	4800
20	6200	7200	6000	5200	2500	3000	3000	1800	3600	8400	6700	4700
21	6000	7500	5900	5300	2300	3000	3000	1700	3600	8300	6600	4800
22	6900	7800	5600	5200	2400	3100	3100	1700	3500	8100	7000	4800
23	6400	7400	7500	---	---	3000	2900	1800	3600	8300	6800	4700
24	6600	6800	7500	---	2400	3100	3000	1900	3600	8300	6900	4800
25	6400	7800	7400	2500	2300	3100	3100	1600	3800	8300	6700	4700
26	6300	7400	7700	2500	2400	3100	3000	1700	3700	8400	6800	4700
27	6500	7400	7300	2500	2600	3000	3000	1700	3500	8300	6600	4800
28	6300	7700	7600	2500	2400	2600	3000	1800	6100	8300	7100	4800
29	6700	7700	7400	2500	---	4400	3000	1600	6000	8300	6800	3100
30	7100	7300	7600	2600	---	4300	3000	1800	6200	8300	6900	3700
31	---	---	7000	2600	---	4300	---	1900	---	---	6600	---

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)

LOCATION.--Lat 20°40'45", long 89°23'51", T.16 S., R.18 E., St. Bernard Parish, Hydrologic Unit 08090203, 18.1 mi (29.1 km) southeast of Hopedale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED, (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	0920	33400	8.1	10	6	<1.0	8.6	420	.2	1300	K20	4000
NOV												
20...	1050	34400	7.9	10	8	<1.0	8.3	270	1.5	380	K8	410
DEC												
18...	1015	29100	8.0	5	8	<1.0	--	700	--	210	K14	3500
JAN												
26...	1300	29900	8.0	5	40	<1.0	11.0	720	5.0	K24	K8	3500
FEB												
22...	1135	15600	7.7	5	7	<1.0	10.2	170	2.7	170	K18	1700
MAR												
15...	1210	19700	7.6	10	15	<1.0	8.8	130	.4	K8	<4	2200
APR												
16...	1130	19000	8.0	15	20	<1.0	7.9	320	1.3	K30	<4	2200
JUL												
18...	1300	28300	8.0	5	6	<1.0	7.3	190	1.0	120	<2	3500
AUG												
16...	1105	32000	8.0	10	20	<1.0	7.1	64	1.1	<4	<2	4600
SEP												
04...	1535	15200	7.4	30	4	<1.0	7.2	55	.6	K4	K2	1700

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	3900	250	810	6800	77	47	270	123	0	100	1900	12000
NOV												
20...	400	240	860	6700	76	45	280	125	0	100	2000	12000
DEC												
18...	3400	230	700	5900	77	44	250	113	0	93	1700	10000
JAN												
26...	3500	240	720	6000	77	44	260	108	0	89	530	10000
FEB												
22...	1700	120	350	2900	77	30	120	74	0	61	740	5400
MAR												
15...	2100	150	440	3800	78	35	150	81	0	66	6100	6900
APR												
16...	2100	130	450	3800	78	36	140	90	0	74	880	6400
JUL												
18...	3400	230	710	5600	77	41	130	120	0	98	1600	10000
AUG												
16...	4500	510	800	6700	75	43	280	120	0	98	1800	12000
SEP												
04...	1600	120	340	2900	77	31	120	87	0	71	750	5200

< 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).

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)--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...	9	.01	.01	.02	.53	.03	1	0	1	10	0
NOV											
20...	2	.02	.01	.03	.68	.06	1	0	1	10	0
DEC											
18...	10	.02	.00	.02	.47	.05	1	0	1	20	0
JAN											
26...	82	.03	.02	.05	.41	.05	1	0	1	10	10
FEB											
22...	22	.02	.02	.04	.40	.05	1	1	0	10	10
MAR											
15...	32	.02	.02	.04	.53	.02	1	1	0	0	0
APR											
16...	39	.03	.00	.03	.86	.03	1	1	0	0	0
JUL											
18...	15	.00	.02	.02	.54	.08	1	1	0	0	0
AUG											
16...	39	.00	.02	.02	.43	.08	1	0	1	20	0
SEP											
04...	10	.02	.00	.02	.63	.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-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)
OCT											
30...	10	1	0	1	30	0	2	1	1	20	3
NOV											
20...	10	0	0	0	20	0	2	2	0	20	1
DEC											
18...	20	0	0	0	20	3	5	4	1	10	8
JAN											
26...	0	1	1	0	10	0	3	1	2	40	5
FEB											
22...	0	0	0	0	30	0	4	2	2	30	1
MAR											
15...	0	1	1	0	10	0	1	1	0	50	15
APR											
16...	0	0	0	0	20	0	8	8	0	30	17
JUL											
18...	0	1	0	1	10	0	12	11	1	40	6
AUG											
16...	20	0	0	0	30	0	1	0	1	70	0
SEP											
04...	0	0	0	0	30	0	1	1	0	20	0

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT 30...	3	0	.1	.1	.0	3	1	2	0	0	0	40
NOV 20...	1	0	.0	.0	.0	0	0	0	1	0	1	70
DEC 18...	7	1	.0	.0	.0	3	0	3	0	0	0	60
JAN 26...	5	0	.0	.0	.0	3	2	1	0	0	0	30
FEB 22...	0	1	.0	.0	.0	2	0	2	0	0	0	40
MAR 15...	15	0	.0	.0	.0	2	2	0	0	0	0	60
APR 16...	17	0	.0	.0	.0	6	6	0	0	0	0	60
JUL 18...	6	0	.1	.0	.1	3	2	1	0	0	0	70
AUG 16...	0	0	.1	.0	.1	5	5	0	0	0	0	30
SEP 04...	0	0	.2	.0	.2	3	3	0	0	0	0	20

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	40	5.0	.00	0	0	.0	.00	.000	.0	.000	.000
NOV 20...	20	50	5.2	.00	0	1	.0	.00	.000	.0	.000	.000
DEC 18...	0	60	4.9	.00	0	0	.0	--	.000	.0	.000	.000
JAN 26...	0	30	7.0	.00	1	0	.0	--	.000	.0	.000	.000
FEB 22...	10	30	6.8	.00	1	0	.0	--	.000	.0	.000	.000
MAR 15...	10	50	1.2	.00	1	0	.0	--	.000	.0	.000	.000
APR 16...	0	60	8.2	.00	4	0	.0	.00	.000	.0	.000	.000
JUL 18...	50	20	5.5	.00	0	--	.0	.00	.000	.0	.000	.000
AUG 16...	0	30	--	.00	1	--	.0	.00	.000	.0	.000	.000
SEP 04...	0	20	--	.00	1	--	.0	.00	.000	.0	.000	.000

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0 NEAR GARDNER ISLAND, NEAR HOPEDALE, LA (CE 85852)--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)
OCT 30...	.000	.00	.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	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 22...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 15...	.002	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
APR 16...	.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 16...	.000	.01	.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)	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	.00	.00	.00	3.38	.000
NOV 20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.99	.231
DEC 18...	.00	.00	.00	.00	.0	.00	.00	.00	.00	9.53	.000
JAN 26...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.2	.000
FEB 22...	.00	.00	.00	.00	.0	.00	.02	.00	.00	24.5	.000
MAR 15...	.00	.00	.00	.00	.0	.00	.01	.00	.00	6.20	.000
APR 16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	21.7	.000
JUL 18...	.00	.00	.00	.00	.0	.00	.01	.00	.00	9.31	.000
AUG 16...	.00	.00	.00	.00	.0	.00	--	--	--	14.6	.000
SEP 04...	.00	.00	.00	.00	.0	.00	.00	.00	.00	10.8	.000

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)

LOCATION.--Lat 29°38'10", long 89°39'20", in NE¼ sec.26, T.16 S., R.15 E., Plaquemines Parish, Hydrologic Unit 08090203, 8.7 mi (14.0 km) northeast of Bohemia.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	1100	20500	8.2	40	6	<1.0	8.4	240	.7	940	K8	2200
NOV												
20...	1205	22600	7.9	30	5	<1.0	8.1	250	1.6	860	K12	2200
DEC												
18...	1230	13200	7.8	15	5	<1.0	--	390	--	640	K18	1400
JAN												
26...	1320	20800	8.0	10	10	<1.0	11.7	510	3.2	K16	<5	2300
FEB												
22...	1150	14600	7.8	5	5	<1.0	10.2	200	2.4	K28	K8	1600
MAR												
15...	1245	10100	7.6	15	45	<1.0	9.1	89	2.4	110	<4	1100
APR												
16...	1200	8700	7.8	30	25	<1.0	7.6	90	1.7	580	<4	250
JUL												
19...	0820	11900	7.4	20	8	<1.0	6.6	85	1.1	<4	K20	1200
AUG												
16...	1420	27950	8.3	15	10	<1.0	9.1	350	2.7	K4	K2	3100
SEP												
05...	1030	18700	7.6	30	7	<1.0	6.8	55	1.0	<4	<2	1800

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	2100	160	440	3900	78	36	150	143	0	120	940	7000
NOV												
20...	2000	170	420	4200	79	39	170	142	0	120	1100	6800
DEC												
18...	1300	100	280	2400	77	28	110	76	0	62	650	4200
JAN												
26...	2200	230	430	4000	77	36	180	108	0	89	980	7200
FEB												
22...	1500	110	310	2300	75	25	110	87	0	71	670	4100
MAR												
15...	990	76	210	1800	77	24	77	78	0	64	440	3300
APR												
16...	180	70	18	1500	93	41	--	88	0	72	360	2400
JUL												
19...	1100	94	230	2100	78	27	92	105	0	86	510	3900
AUG												
16...	3000	220	620	5800	79	45	230	120	0	98	1400	9900
SEP												
05...	1700	50	410	3700	80	38	140	120	0	98	830	6400

< 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).

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)--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...	10	.01	.00	.01	1.3	.12	1	0	1	10	0
NOV											
20...	0	.01	.01	.02	.91	.12	1	0	1	10	0
DEC											
18...	3	.06	.00	.06	.92	.09	1	0	1	10	0
JAN											
26...	20	.01	.02	.03	.56	.05	1	1	0	10	10
FEB											
22...	17	.01	.00	.01	.51	.04	0	0	0	10	10
MAR											
15...	122	.02	.02	.04	.68	.10	1	1	0	0	0
APR											
18...	49	.01	.00	.01	.64	.06	0	0	0	0	0
JUL											
19...	11	.00	.02	.02	.52	.05	1	0	1	0	0
AUG											
15...	19	.00	.02	.02	.53	.09	2	1	1	10	10
SEP											
05...	7	.00	.00	.00	.80	.10	1	0	1	10	0

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)
OCT											
30...	10	1	0	1	0	0	3	2	1	30	1
NOV											
20...	10	0	0	0	10	0	3	3	0	20	1
DEC											
18...	10	0	0	0	10	3	6	4	2	10	7
JAN											
26...	0	1	0	1	20	0	2	0	2	50	5
FEB											
22...	0	0	0	0	20	0	4	2	2	40	0
MAR											
15...	0	0	0	0	10	0	1	1	0	30	10
APR											
18...	0	0	0	0	20	0	5	5	0	10	12
JUL											
19...	0	0	0	0	10	0	3	0	3	20	10
AUG											
15...	0	1	1	0	40	0	15	9	6	50	92
SEP											
05...	10	1	0	1	20	0	2	2	0	50	0

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT												
30...	1	0	.0	.0	.0	3	0	3	0	0	0	30
NOV												
20...	1	0	.0	.0	.0	1	1	0	0	0	0	50
DEC												
18...	7	0	.0	.0	.0	4	4	0	0	0	0	20
JAN												
26...	5	0	.0	.0	.0	3	0	3	0	0	0	50
FEB												
22...	0	0	.0	.0	.0	3	1	2	0	0	0	30
MAR												
15...	10	0	.0	.0	.0	1	1	0	0	0	0	40
APR												
16...	12	0	.0	.0	.0	4	4	0	0	0	0	30
JUL												
19...	10	0	.3	.0	.3	4	1	3	0	0	0	40
AUG												
16...	84	8	.1	.1	.0	9	7	2	0	0	0	30
SEP												
05...	0	0	.1	.0	.1	3	0	3	0	0	0	30

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	30	12	.00	0	0	.0	.00	.000	.0	.000	.000
NOV												
20...	10	40	12	.00	4	0	.0	.00	.000	.0	.000	.000
DEC												
18...	0	20	12	.00	1	0	.0	--	.000	.0	.000	.000
JAN												
26...	0	50	7.5	.00	0	0	.0	--	.000	.0	.000	.000
FEB												
22...	0	30	7.2	.00	0	0	.0	--	.000	.0	.000	.000
MAR												
15...	20	20	13	.00	3	0	.0	--	.000	.0	.000	.000
APR												
16...	10	20	11	.00	1	0	.0	.00	.000	.0	.000	.000
JUL												
19...	20	20	7.7	.00	0	0	.0	.00	.000	.0	.000	.000
AUG												
16...	0	30	--	.00	1	--	.0	.00	.000	.0	.000	.000
SEP												
05...	0	30	--	.00	0	0	.0	.00	.000	.0	.000	.000

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)--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)
OCT 30...	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
NOV 20...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 18...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 22...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 15...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 19...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 05...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.00	.0	.00	.00	.00	.00	17.6	.000
NOV 20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.63	1.48
DEC 18...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.0	.000
JAN 26...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.1	.000
FEB 22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.88	.000
MAR 15...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.5	.000
APR 16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	16.7	.000
JUL 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	16.3	.000
AUG 16...	.00	.00	.00	.00	.0	.00	.00	.04	.00	17.6	.000
SEP 05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	12.1	.000

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)

LOCATION.--Lat 29°27'30", long 89°03'22", T.22 S., R.21 E., Plaquemines Parish, Hydrologic Unit 08090203, 42.4 mi (78.2 km) southeast of Hopedale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1976 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	1000	43400	8.3	15	6	<1.0	8.0	580	.0	4000	K16	4800
NOV												
20...	1110	41800	8.1	5	6	<1.0	8.8	340	1.7	860	K12	5300
DEC												
18...	1045	40700	8.1	5	4	<1.0	--	33	--	200	K2	4100
JAN												
29...	0900	43100	8.2	5	15	<1.0	--	1400	2.0	<5	<5	5200
FEB												
22...	1115	31500	8.0	5	15	<1.0	10.2	350	1.8	K20	<5	3700
MAR												
15...	1225	33100	8.0	5	7	<1.0	9.3	48	1.4	<4	<4	3800
APR												
16...	1145	3310	8.5	15	8	<1.0	10.2	310	4.6	K100	K4	780
JUL												
18...	1255	37900	8.2	5	1	<1.0	7.6	240	1.6	K4	<2	4500
AUG												
16...	1125	37100	8.3	5	3	<1.0	8.1	110	2.0	<4	<2	4300
SEP												
05...	1110	32000	8.2	15	2	<1.0	7.1	620	1.1	<4	<2	3900

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	4700	280	1000	9800	80	61	340	140	0	110	2400	17000
NOV												
20...	5200	300	1100	8500	76	51	350	143	0	120	2200	15000
DEC												
18...	4000	11	1000	8700	80	59	390	128	0	110	2200	15000
JAN												
29...	5100	280	1100	9100	77	55	420	123	0	100	2200	17000
FEB												
22...	3700	230	770	6000	77	43	200	100	0	82	1400	11000
MAR												
15...	3800	220	800	6600	77	46	260	99	0	81	1800	12000
APR												
16...	680	270	26	670	56	10	270	110	5	99	850	1100
JUL												
18...	4400	310	900	7900	79	51	130	120	0	98	2100	14000
AUG												
16...	4200	290	880	--	--	--	300	130	0	110	2100	21000
SEP												
05...	3800	250	800	6300	76	44	260	130	0	107	1800	12000

< 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).

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)--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...	18	.05	.01	.06	.38	.04	2	1	1	20	0
NOV											
20...	25	.01	.01	.02	.52	.05	1	0	1	20	0
DEC											
18...	6	.93	.03	.96	.54	.29	1	0	1	20	0
JAN											
29...	50	.00	.02	.02	.27	.04	1	1	0	10	0
FEB											
22...	45	.01	.00	.01	.32	.02	1	1	0	20	0
MAR											
15...	24	.15	.04	.19	.89	.05	0	0	0	10	0
APR											
16...	39	.01	.12	.13	.67	.01	0	0	0	10	10
JUL											
18...	15	.01	.00	.01	.97	.04	1	0	1	0	0
AUG											
16...	11	.00	.02	.02	.34	.05	1	0	1	10	10
SEP											
05...	5	.02	.00	.02	.52	.04	2	1	1	10	0

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)
OCT											
30...	20	1	0	1	30	0	2	1	1	20	3
NOV											
20...	20	0	0	0	20	0	1	1	0	10	0
DEC											
18...	20	1	0	1	30	0	3	2	1	10	8
JAN											
29...	10	1	0	1	40	0	3	1	2	110	7
FEB											
22...	20	0	0	0	30	0	4	3	1	100	2
MAR											
15...	10	0	0	0	20	0	0	0	0	100	6
APR											
16...	0	0	0	0	30	0	5	4	1	100	14
JUL											
18...	0	1	0	1	10	0	3	1	2	80	4
AUG											
16...	0	1	0	1	40	0	2	0	2	90	4
SEP											
05...	10	0	0	0	20	0	1	1	0	80	1

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (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	4	2	2	0	0	0	50
NOV												
20...	0	0	.0	.0	.0	0	0	0	1	0	1	80
DEC												
18...	6	2	.0	.0	.0	3	0	3	0	0	0	80
JAN												
29...	7	0	.0	.0	.0	2	2	0	0	0	0	80
FEB												
22...	2	0	.0	.0	.0	2	1	1	0	0	0	60
MAR												
15...	6	0	.0	.0	.0	0	0	0	0	0	0	60
APR												
16...	14	0	.0	.0	.0	1	1	0	0	0	0	70
JUL												
18...	3	1	.2	.0	.2	2	2	0	0	0	0	60
AUG												
16...	4	0	.2	.2	.0	4	4	0	0	0	0	30
SEP												
05...	0	1	.1	.0	.1	1	0	1	0	0	0	50

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	50	2.9	.00	0	0	.0	.00	.000	.0	.000	.000
NOV												
20...	20	60	2.9	.00	0	0	.0	.00	.000	.0	.000	.000
DEC												
18...	0	80	11	.00	0	0	.0	--	.000	.0	.000	.000
JAN												
29...	0	80	3.9	.00	0	0	.0	--	.000	.0	.000	.000
FEB												
22...	10	50	4.3	.00	0	0	.0	--	.000	.0	.000	.000
MAR												
15...	40	20	9.2	.00	1	0	.0	--	.000	.0	.000	.000
APR												
16...	0	70	3.9	.00	1	0	.0	.00	.000	.0	.000	.000
JUL												
18...	40	20	2.2	.00	0	--	.0	.00	.000	.0	.000	.000
AUG												
16...	0	30	--	.00	1	--	.0	.00	.000	.0	.000	.000
SEP												
05...	0	50	--	.00	0	0	.0	.00	.000	.0	.000	.000

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 99212)--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)
OCT 30...	.000	.00	.001	.000	.000	.00	.000	.000	.001	.00	.00	.00
NOV 20...	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	--	.00
DEC 18...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 29...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 22...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 15...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 16...	.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 16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 05...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.84	.000
NOV 20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.51	.277
DEC 18...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.21	.000
JAN 29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.09	.000
FEB 22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.8	.000
MAR 15...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.97	.000
APR 16...	.00	.00	.00	.00	.0	.00	.01	.00	.00	31.9	.000
JUL 18...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.08	.000
AUG 16...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.91	.000
SEP 05...	.00	.00	.00	.00	.0	.00	.01	.01	.00	13.2	.000

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)

LOCATION.--Lat 29°19'19", long 89°36'18", in sec.11, T.21 S., R.28 E., Plaquemines Parish, Hydrologic Unit 08090301, 4.2 mi (6.8 km) south southwest of Empire.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
30...	1045	40200	8.1	5	7	<1.0	--	550	--	4000	K12	4700
NOV												
20...	1145	36100	7.9	10	6	<1.0	8.3	390	1.6	K210	K4	4300
DEC												
18...	1205	38000	8.1	5	6	<1.0	--	900	--	200	K22	4600
JAN												
29...	0940	31000	8.2	5	15	<1.0	--	880	2.8	K28	K12	3700
FEB												
26...	1200	27000	8.0	20	35	<1.0	10.2	150	3.6	K200	K28	3100
MAR												
16...	1110	31600	7.7	15	10	<1.0	11.0	290	4.0	K4	K4	3700
APR												
17...	0930	8490	7.8	10	45	<1.0	7.1	100	.8	K40	K13	750
JUL												
19...	0920	18700	8.0	5	15	<1.0	7.2	130	1.9	K32	K4	2200
AUG												
16...	1350	8201	8.1	30	15	<1.0	8.6	170	3.1	96	K10	860
SEP												
05...	1250	16300	7.8	30	15	<1.0	8.0	97	2.7	K16	<2	1700

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
30...	4500	300	950	8400	80	54	32	152	0	120	2300	15000
NOV												
20...	4200	250	900	7400	77	49	290	156	0	130	1900	13000
DEC												
18...	4500	290	940	8000	77	51	370	146	0	120	2400	14000
JAN												
29...	3600	230	750	6600	78	47	220	133	0	110	1700	11000
FEB												
26...	3000	200	620	5100	77	40	260	110	0	90	1000	9200
MAR												
16...	3600	230	750	6800	79	49	250	127	0	100	1700	12000
APR												
17...	660	86	130	1500	81	24	6.1	106	0	87	390	2600
JUL												
19...	2100	160	430	3500	76	33	150	127	0	104	920	6500
AUG												
16...	750	82	160	1500	78	22	53	140	0	110	360	2600
SEP												
05...	1600	150	330	2900	77	30	120	130	0	107	810	5400

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

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

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)--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...	14	.13	.01	.14	.62	.05	1	0	1	10	0
NOV 20...	20	.08	.01	.09	.66	.07	1	0	1	0	0
DEC 18...	8	.02	.01	.03	.45	.05	1	0	1	20	0
JAN 29...	37	.01	.02	.03	.43	.04	1	0	1	10	10
FEB 26...	114	.04	.00	.04	.66	.05	1	1	0	20	0
MAR 16...	8	.06	.02	.08	.67	.03	0	0	0	0	0
APR 17...	102	1.4	.14	1.5	.58	.09	1	0	1	0	0
JUL 19...	16	.41	.12	.53	.59	.27	1	0	1	0	0
AUG 16...	9	.00	.02	.02	.46	.12	2	1	1	0	0
SEP 05...	18	.01	.00	.01	.58	.06	2	1	1	0	0

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)
OCT 30...	10	1	0	1	40	0	3	1	2	30	2
NOV 20...	0	0	0	0	20	0	2	2	0	10	0
DEC 18...	20	1	1	0	30	0	3	2	1	10	6
JAN 29...	0	0	0	0	30	1	5	4	1	60	4
FEB 26...	20	1	1	0	40	0	5	3	2	90	4
MAR 16...	0	0	0	0	20	0	6	6	0	80	34
APR 17...	0	1	0	1	20	0	6	5	1	10	13
JUL 19...	0	1	1	0	10	0	7	5	2	10	34
AUG 16...	0	1	1	0	20	0	2	0	2	0	0
SEP 05...	0	0	0	0	20	0	1	1	0	20	1

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT 30...	2	0	.0	.0	.0	5	2	3	1	0	1	40
NOV 20...	0	0	.0	.0	.0	0	0	0	1	0	1	70
DEC 18...	4	2	.0	.0	.0	6	3	3	0	0	0	70
JAN 29...	4	0	.0	.0	.0	2	2	0	0	0	0	70
FEB 26...	4	0	.0	.0	.0	4	2	2	0	0	0	50
MAR 16...	34	0	.0	.0	.0	6	6	0	0	0	0	90
APR 17...	13	0	.0	.0	.0	5	5	0	0	0	0	30
JUL 19...	34	0	.2	.0	.2	3	1	2	0	0	0	50
AUG 16...	0	0	.1	.0	.1	3	2	1	0	0	0	10
SEP 05...	1	0	.1	.1	.0	4	4	0	0	0	0	20

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	40	5.3	.00	0	0	.0	.00	--	.0	.000	.000
NOV 20...	10	60	5.5	.00	0	0	.0	.00	.000	.0	.000	.000
DEC 18...	0	70	4.9	.00	1	0	.0	--	.000	.0	.000	.000
JAN 29...	10	60	5.0	.00	1	0	.0	--	.000	.0	.000	.000
FEB 26...	0	50	9.9	.00	0	0	.0	--	.000	.0	.000	.000
MAR 16...	40	50	4.4	.00	1	0	.0	--	.000	.0	.000	.000
APR 17...	0	30	7.8	.00	1	0	.0	.00	.000	.0	.000	.000
JUL 19...	30	20	4.1	.00	0	0	.0	.00	.000	.0	.000	.000
AUG 16...	1	9	--	.00	1	--	.0	.00	.000	.0	.000	.000
SEP 05...	0	20	--	.00	0	1	.0	.00	.000	.0	.000	.000

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)--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)
OCT 30...	.000	.01	.000	.000	.000	.00	.000	.000	--	.00	.00	.00
NOV 20...	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
DEC 18...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 29...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 16...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 17...	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 16...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 05...	.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)	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	.00	.00	.00	6.85	.000
NOV 20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.24	.664
DEC 18...	.00	.00	.00	.00	.0	.00	.00	.00	.00	13.6	.000
JAN 29...	.00	.00	.00	.00	.0	.00	--	--	--	18.7	.000
FEB 26...	.00	.00	.00	.00	.0	.00	.00	.00	.00	16.3	.000
MAR 16...	.00	.00	.00	.00	.0	.00	.01	.00	.00	57.6	.000
APR 17...	.00	.00	.00	.00	.0	.00	.03	.00	.00	2.95	.000
JUL 19...	.00	.00	.00	.00	.0	.00	.02	.00	.00	25.4	.000
AUG 16...	.00	.00	.00	.00	.0	.00	.01	.00	.00	25.4	.000
SEP 05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	30.6	.000

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)

LOCATION.--Lat 29°40'06", long 90°06'36", in lot 5, T.16 S., R.23 E., Jefferson Parish, Hydrologic Unit 08090301, 1.0 mi (1.6 km) south of Lafitte.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C June 26, 27, July 4, 5, 18, Aug. 20, 1978; minimum daily, 3.0°C Jan. 20, 1977.
CHLORIDE: Maximum daily, 10,000 mg/L Apr. 21, 1977; minimum daily, 100 mg/L Aug. 7, 1975, Feb. 5, 7, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 25-31, Aug. 1, 12; minimum daily, 7.0°C several days during January, Feb. 1.
CHLORIDE: Maximum daily, 5,000 mg/L July 28; minimum daily, 100 mg/L Feb. 5, 7.

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	21.0	16.0	18.0	7.0	15.0	23.0		---	31.0	32.0	29.0
2	25.0	21.0	16.0	10.0	8.0	16.0	23.0		---	31.0	---	---
3	25.0	22.0	16.0	7.0	8.0	18.0	22.0		---	31.0	---	---
4	26.0	23.0	16.0	7.0	8.0	18.0	22.0		---	31.0	---	---
5	26.5	23.0	16.0	10.0	9.0	16.0	21.0		---	31.0	---	---
6	27.0	23.0	16.0	12.0	9.0	16.0	21.0		---	31.0	---	29.0
7	23.0	23.0	14.0	13.0	9.0	17.0	20.0		---	31.0	---	30.0
8	22.0	20.0	14.0	9.0	8.0	16.0	21.0		---	31.0	---	---
9	22.0	17.0	17.0	7.0	7.0	16.0	23.0		---	30.0	---	---
10	22.0	14.0	13.0	7.0	6.0	18.0	23.0		---	29.0	---	---
11	23.0	19.0	11.0	7.0	8.0	16.0	24.0		---	29.0	---	---
12	23.0	21.0	11.0	7.0	9.0	15.0	24.0		---	27.0	32.0	30.0
13	23.0	22.0	10.0	9.0	11.0	16.0	24.0		28.0	28.0	30.0	29.0
14	23.0	22.0	10.0	7.0	14.0	18.0	25.0		28.0	28.0	---	---
15	21.0	22.0	12.0	7.0	15.0	15.0	24.0		27.0	31.0	---	---
16	19.0	23.0	13.0	8.0	16.0	16.0	24.0		28.0	31.0	---	---
17	18.5	22.0	13.0	9.0	13.0	17.0	24.0		30.0	31.0	---	---
18	18.0	22.0	12.0	10.0	12.0	17.0	24.0		29.0	30.0	---	---
19	19.0	21.0	12.0	12.0	10.0	19.0	25.0		29.0	30.0	---	---
20	20.5	20.0	16.0	12.0	11.0	20.0	24.0		30.0	30.0	---	---
21	21.0	20.0	15.0	11.0	12.0	21.0	23.0		32.0	30.0	---	---
22	21.5	20.0	15.0	10.0	15.0	22.0	23.0		31.0	28.0	---	---
23	22.0	20.0	11.0	12.0	16.0	21.0	23.0		31.0	29.0	---	---
24	22.0	21.0	11.0	9.0	12.0	18.0	23.0		31.0	29.0	---	29.0
25	23.0	19.0	14.0	8.0	12.0	16.0	23.0		30.0	32.0	---	25.0
26	25.0	19.0	13.0	8.0	12.5	16.0	25.0		30.0	32.0	30.0	25.0
27	24.0	20.0	13.0	8.0	13.0	17.0	25.0		30.0	32.0	29.0	24.0
28	23.0	20.0	13.0	8.0	13.5	19.0	25.0		30.0	32.0	29.0	26.0
29	22.0	19.0	14.0	7.0	---	19.0	25.0		30.0	32.0	29.0	26.0
30	---	19.0	13.0	7.0	---	21.0	25.0		30.0	32.0	29.0	26.0
31	22.5	---	15.0	7.0	---	22.0	---		---	32.0	---	---

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)--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	1200	1800	1400	850	350	200	850	600	250	400	900	1000
2	1200	1800	1300	700	350	200	650	550	250	500	700	1000
3	1200	2000	2200	550	150	200	1500	750	200	500	700	1000
4	1200	1900	2300	550	150	200	1300	1100	150	500	600	500
5	1300	2000	1900	550	100	150	350	450	200	500	600	600
6	1200	1900	1000	450	150	200	200	550	200	500	700	600
7	750	2100	1200	450	100	150	200	550	200	700	700	600
8	650	1600	850	450	200	200	400	500	300	600	600	600
9	750	1600	650	400	200	150	450	600	250	600	700	500
10	650	2200	750	450	250	150	800	650	250	700	700	700
11	750	2200	450	550	250	200	750	600	250	800	600	600
12	2100	2200	750	500	200	150	2300	600	200	700	500	700
13	2000	2200	650	500	250	150	2900	400	300	600	600	700
14	2000	2200	500	450	200	200	1300	400	300	500	500	2200
15	750	2200	450	400	250	200	500	400	300	400	600	1900
16	1900	2200	450	400	200	200	500	400	300	280	600	1200
17	2000	2600	400	350	200	200	550	450	300	260	600	2400
18	1500	2500	700	400	250	200	600	450	300	410	500	2400
19	1400	2500	700	450	250	200	600	450	250	410	600	2400
20	1500	2600	750	400	250	400	500	400	250	320	600	1200
21	1600	3000	600	400	200	250	650	350	250	360	600	2700
22	1600	3300	700	400	250	400	1100	450	250	340	600	1600
23	1700	3200	650	400	200	450	2400	450	250	330	600	1000
24	1600	3200	800	400	200	250	2300	250	250	690	700	1000
25	1600	3300	550	300	200	200	500	250	250	4100	600	1200
26	1500	3200	650	350	250	200	500	300	200	3800	600	1100
27	1600	3200	550	350	200	150	650	300	250	3300	700	1100
28	1600	3000	550	350	250	200	600	300	250	5000	600	900
29	1800	3300	700	400	---	200	600	250	250	1100	600	900
30	1800	2500	650	400	---	350	550	250	250	800	800	1000
31	1600	---	700	400	---	600	---	250	---	700	800	---

293604090041000 BARATARIA BAY WATERWAY AT MILE 25.0, NEAR LAFITTE, LA (CE 82879)

LOCATION.--Lat 29°36'04", long 90°04'10", T.17 S., R.24 E., Jefferson Parish, Hydrologic Unit 08090301, 5.8 mi (9.3 km) south southeast of Lafitte and at mile 25.0 (40.2 km).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1976 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	0930	20900	8.0	30	9	<1.0	7.5	170	2.1	680	<5	2300
NOV												
21...	0900	19900	7.8	40	20	<1.0	7.1	160	4.7	650	K22	2300
DEC												
19...	0930	8620	7.7	40	25	<1.0	9.1	74	3.4	K3000	K24	870

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	2200	170	460	4200	78	38	150	128	0	105	1000	7400
NOV												
21...	2200	170	460	3600	76	33	140	124	0	100	880	6700
DEC												
19...	790	83	160	1500	78	22	58	92	0	75	370	2600

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
OCT											
31...	13	.00	.01	.01	1.4	.07	1	0	1	10	10
NOV											
21...	18	.07	.01	.08	1.3	.16	1	0	1	0	0
DEC											
19...	46	.38	.02	.40	1.3	.09	1	0	1	20	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
31...	0	0	0	0	0	0	3	1	2	30	4
NOV											
21...	0	0	0	0	0	0	3	1	2	20	13
DEC											
19...	10	0	0	0	10	3	4	2	2	20	4

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

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

293604090041000 BARATARIA BAY WATERWAY AT MILE 25.0, NEAR LAFITTE, LA (CE 82879)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
OCT 31...	4	0	.0	.0	.0	3	3	0	0	0	0	30
NOV 21...	13	0	.0	.0	.0	3	3	0	1	0	1	50
DEC 19...	2	2	.0	.0	.0	14	11	3	0	0	0	30

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
OCT 31...	10	20	14	.00	1	0	.0	.00	.000	.0	.000	.000
NOV 21...	10	40	12	.00	1	0	.0	.00	.000	.0	.000	.000
DEC 19...	10	20	11	.00	1	0	.0	--	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
OCT 31...	.000	.01	.000	.000	.000	.00	.000	.000	.008	.00	.00	.00
NOV 21...	.000	.01	.000	.000	.000	.00	.000	.000	.003	.00	.00	.00
DEC 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 31...	.00	.00	.00	.00	.0	.00	.00	.00	.00	41.1	3.38
NOV 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	26.7	4.10
DEC 19...	.00	.00	.00	.00	.0	.00	.03	.01	.01	6.66	.000

291618089564900 BARATARIA BAY WATERWAY AT MILE 0.8, NEAR GRAND ISLE, LA (CE 82876)

LOCATION.--Lat 29°16'18", long 89°56'49", in sec.29, T.21 S., R.25 E., Jefferson Parish, Hydrologic Unit 08090301, 0.2 mi (0.3 km) southwest of USC&GS Barataria Lighthouse and 3.4 mi (5.5 km) northeast of Grand Isle.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	0830	40700	8.2	5	6	<1.0	7.6	550	1.2	200	<5	4800
NOV												
21...	0830	39000	8.1	5	8	<1.0	8.1	250	2.2	K160	<5	4800
DEC												
19...	0900	38600	8.1	5	2	<1.0	9.7	46	2.4	<5	<5	4600
JAN												
29...	0952	23100	8.2	20	40	<1.0	--	1000	2.8	280	K15	2500

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	4700	290	1000	9200	79	58	330	148	0	120	2300	16000
NOV												
21...	4700	300	990	7900	77	50	330	151	0	120	2200	14000
DEC												
19...	4500	280	950	7800	77	50	390	141	0	116	2400	13000
JAN												
29...	2400	160	510	4500	78	39	200	120	0	98	1200	7700

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
OCT											
31...	31	.01	.00	.01	.52	.03	2	0	2	20	10
NOV											
21...	23	.02	.01	.03	.52	.07	1	0	1	0	0
DEC											
19...	7	.11	.01	.12	.39	.05	1	0	1	20	0
JAN											
29...	78	.25	.04	.29	.64	.11	1	0	1	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
31...	10	1	0	1	20	0	3	1	2	20	3
NOV											
21...	0	0	0	0	10	0	3	3	0	20	1
DEC											
19...	20	0	0	0	20	3	2	0	2	20	3
JAN											
29...	0	0	0	0	20	1	3	2	1	40	5

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

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

291618089564900 BARATARIA BAY WATERWAY AT MILE 0.8, NEAR GRAND ISLE, LA (CE 82876)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT 31...	2	1	.3	.3	.0	3	3	0	0	0	0	50
NOV 21...	1	0	.0	.0	.0	0	0	0	0	0	0	80
DEC 19...	2	1	.0	.0	.0	6	6	0	1	1	0	60
JAN 29...	5	0	.0	.0	.0	3	3	0	0	0	0	60

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 31...	0	50	4.6	.00	2	0	.0	.00	.000	.0	.000	.000
NOV 21...	20	60	3.8	.00	0	0	.0	.00	.000	.0	.000	.000
DEC 19...	0	60	4.2	.00	1	--	.0	--	.000	.0	.000	.000
JAN 29...	10	50	9.2	.00	0	2	.0	--	.000	.0	.000	.000

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)
OCT 31...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 21...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 29...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 31...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.1	.940
NOV 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.42	1.44
DEC 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.36	.000
JAN 29...	.00	.00	.00	.00	.0	.00	.00	.00	.01	45.4	.000

294326090151500 CENTER OF LAKE SALVADOR NEAR BARATARIA, LA (CE 99216)

LOCATION.--Lat 29°43'26", long 90°15'15", T.15 S., R.22 E., St. Charles Parish, Hydrologic Unit 08090301, 7.3 mi (11.7 km) west southwest of Barataria.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	0930	2130	7.9	30	15	<1.0	7.4	43	.8	660	K16	220
NOV												
21...	0930	2000	7.8	40	4	<1.0	8.2	34	1.0	780	<5	210
DEC												
19...	1000	402	7.3	60	15	<1.0	8.1	45	2.2	200	K12	74
JAN												
26...	1420	1650	7.8	60	65	<1.0	11.4	98	3.1	4400	K30	210

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	150	31	34	350	77	10	12	90	0	74	81	590
NOV												
21...	130	31	32	350	77	11	11	95	0	78	64	590
DEC												
19...	21	16	8.2	46	56	2.3	4.7	64	0	53	16	90
JAN												
26...	130	41	25	240	71	7.3	10	91	0	75	72	420

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
OCT											
31...	170	.04	.01	.05	1.2	.08	2	1	1	0	0
NOV											
21...	3	.23	.01	.24	1.1	.09	1	0	1	1	0
DEC											
19...	14	.20	.03	.23	1.4	.10	1	--	1	--	--
JAN											
26...	46	1.4	.08	1.5	1.2	.18	2	1	1	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
31...	0	1	1	0	0	0	4	2	2	30	10
NOV											
21...	1	1	0	1	0	0	3	2	1	0	1
DEC											
19...	--	--	--	--	10	0	4	1	3	50	6
JAN											
26...	0	1	0	1	20	0	6	3	3	30	7

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

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

294326090151500 CENTER OF LAKE SALVADOR NEAR BARATARIA, LA (CE 99216)--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 (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 31...	10	0	.0	.0	.0	5	5	0	0	0	0	--
NOV 21...	1	0	.0	.0	.0	0	0	0	1	0	1	--
DEC 19...	5	1	.0	.0	.0	3	2	1	0	0	0	.0
JAN 26...	7	0	.0	.0	.0	8	6	2	0	0	0	--

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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	13	.00	3	0	--	--	--	--	--
NOV 21...	10	7	3	12	.00	3	0	.0	.00	.00	.0	.00
DEC 19...	0	0	10	15	.00	5	0	.0	--	.000	.0	.000
JAN 26...	50	40	10	13	.00	0	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)
OCT 31...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 21...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC 19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 26...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.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...	--	--	--	--	--	--	--	.04	.00	.05	8.45	.000
NOV 21...	.00	.00	.00	.00	.00	0	.00	.04	.01	.02	2.20	.180
DEC 19...	.00	.00	.00	.00	.00	.0	.00	.00	.01	.05	10.9	.000
JAN 26...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.01	.610	.000

07380400 BAYOU LAFOURCHE AT DONALDSONVILLE, LA

LOCATION.--Lat 30°06'00", long 90°58'40", in lot 96, T.11 S., R.14 E., Louisiana meridian, Ascension Parish, Hydrologic Unit 08090301, on left bank 40 ft (12 m) upstream from culvert under State Highway 18, in Donaldsonville, and 1,500 ft (457 m) downstream from pumping plant.

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

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Records of dissolved oxygen and water temperatures for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--22 years, 250 ft^3/s (7.080 m^3/s), 181,100 acre-ft/yr (223 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 600 ft^3/s (17.0 m^3/s Apr. 6, 1975; no flow June 11, 14, 1959, Feb. 23, 24-27, 28, 1970, Mar. 3, Apr. 2, 3, May 14, 1971, Sept. 7-12, 1973, July 11, 1979.

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	440	182	295	170	212	114	361	387	277	215	207	192
2	280	182	292	175	212	106	332	452	262	225	210	195
3	192	182	295	182	215	88	335	465	223	232	207	197
4	190	185	245	190	220	51	406	478	225	230	207	197
5	190	185	195	247	242	154	397	475	215	267	212	197
6	190	302	195	380	510	207	387	452	237	327	215	200
7	190	416	197	280	110	223	364	436	225	335	223	202
8	190	423	200	270	60	230	348	429	225	332	232	207
9	190	429	202	158	185	245	338	416	225	262	230	210
10	190	426	210	165	192	257	330	387	225	175	232	210
11	190	429	230	192	175	275	345	397	223	0	235	212
12	190	423	247	192	154	242	374	400	230	96	235	200
13	190	275	247	190	140	230	374	403	212	200	230	205
14	190	280	297	175	132	237	280	390	220	207	232	202
15	190	277	295	185	116	247	290	377	212	190	225	200
16	187	280	270	195	116	260	320	364	197	202	215	200
17	187	287	290	197	182	275	390	351	185	200	207	195
18	187	280	240	182	180	285	458	348	175	207	207	197
19	187	277	205	175	175	292	419	371	170	210	205	237
20	255	280	190	187	167	302	426	364	165	207	200	292
21	390	280	197	190	162	307	423	351	160	197	205	260
22	403	280	200	190	126	348	302	374	146	197	197	202
23	280	280	207	200	114	374	48	377	146	200	195	205
24	235	282	205	195	114	335	252	330	136	220	192	212
25	387	282	192	290	114	335	397	322	148	160	192	217
26	280	295	202	310	114	361	416	300	215	45	192	220
27	400	120	207	185	114	400	462	217	220	118	190	227
28	300	80	202	190	114	397	449	280	212	118	187	223
29	413	252	197	202	---	403	351	267	217	118	187	120
30	419	290	190	207	---	393	397	327	215	172	190	215
31	292	---	175	212	---	384	---	330	---	202	195	---
TOTAL	7994	8441	7011	6458	4667	8357	10771	11617	6143	6066	6488	6248
MEAN	258	281	226	208	167	270	359	375	205	196	209	208
MAX	440	429	297	380	510	403	462	478	277	335	235	292
MIN	187	80	175	158	60	51	48	217	136	0	187	120
AC-FT	15860	16740	13910	12810	9260	16580	21360	23040	12180	12030	12870	12390

CAL YR 1978 TOTAL 86088 MEAN 236 MAX 440 MIN 80 AC-FT 170800
WTR YR 1979 TOTAL 90261 MEAN 247 MAX 510 MIN 0 AC-FT 179000

07380400 BAYOU LAFOURCHE AT DONALDSONVILLE, 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	9.25	8.29	8.73	8.24	8.41	7.97	8.98	9.04	8.67	8.42	8.40	8.33
2	8.68	8.29	8.74	8.26	8.41	7.93	8.87	9.26	8.61	8.46	8.40	8.34
3	8.33	8.29	8.75	8.30	8.42	7.84	8.87	9.30	8.44	8.49	8.39	8.35
4	8.32	8.30	8.53	8.32	8.44	7.64	9.12	9.34	8.46	8.47	8.39	8.35
5	8.32	8.30	8.34	8.51	8.53	8.07	9.09	9.34	8.41	8.61	8.41	8.35
6	8.32	8.73	8.34	9.04	9.44	8.39	9.06	9.27	8.50	8.88	8.41	8.36
7	8.32	9.14	8.35	8.68	7.94	8.44	8.99	9.21	8.46	8.90	8.44	8.37
8	8.32	9.17	8.36	8.57	7.68	8.48	8.94	9.18	8.46	8.89	8.49	8.39
9	8.32	9.18	8.37	8.18	8.30	8.54	8.92	9.14	8.46	8.58	8.48	8.40
10	8.32	9.19	8.40	8.22	8.33	8.59	8.88	9.06	8.46	8.25	8.49	8.40
11	8.32	9.18	8.47	8.33	8.26	8.66	8.93	9.08	8.45	7.28	8.50	8.41
12	8.32	9.17	8.55	8.33	8.17	8.53	9.02	9.10	8.48	7.82	8.50	8.36
13	8.32	8.88	8.55	8.32	8.10	8.48	9.01	9.10	8.47	8.36	8.48	8.38
14	8.32	8.68	8.74	8.25	8.06	8.51	8.68	9.07	8.44	8.40	8.49	8.37
15	8.32	8.67	8.72	8.30	7.98	8.55	8.72	9.03	8.40	8.32	8.46	8.36
16	8.31	8.68	8.65	8.34	7.95	8.60	8.83	9.00	8.35	8.37	8.43	8.36
17	8.31	8.71	8.72	8.35	8.29	8.67	9.08	8.96	8.31	8.37	8.39	8.34
18	8.31	8.68	8.53	8.30	8.28	8.71	9.30	8.94	8.26	8.39	8.39	8.35
19	8.31	8.67	8.38	8.26	8.25	8.73	9.16	9.01	8.24	8.39	8.38	8.51
20	8.57	8.68	8.33	8.30	8.23	8.77	9.17	8.99	8.22	8.39	8.36	8.73
21	9.06	8.68	8.35	8.32	8.21	8.80	9.17	8.94	8.20	8.35	8.38	8.60
22	9.11	8.68	8.36	8.32	8.03	8.94	8.74	9.01	8.13	8.35	8.34	8.37
23	8.63	8.68	8.38	8.36	7.97	9.02	7.61	9.03	8.13	8.36	8.34	8.38
24	8.50	8.69	8.38	8.34	7.97	8.90	8.42	8.87	8.08	8.44	8.33	8.41
25	9.06	8.69	8.33	8.69	7.97	8.91	9.10	8.85	8.13	8.17	8.33	8.43
26	8.52	8.73	8.37	8.75	7.97	8.98	9.14	8.76	8.42	7.58	8.33	8.44
27	9.10	7.92	8.39	8.30	7.97	9.09	9.30	8.37	8.44	7.99	8.32	8.47
28	8.63	7.76	8.37	8.33	7.97	9.10	9.25	8.68	8.40	7.99	8.31	8.45
29	9.13	8.57	8.35	8.37	---	9.10	8.92	8.63	8.43	7.99	8.31	7.90
30	9.15	8.73	8.32	8.39	---	9.09	9.07	8.86	8.42	8.25	8.32	8.42
31	8.67	---	8.27	8.41	---	9.05	---	8.84	---	8.37	8.33	---
MEAN	8.56	8.67	8.47	8.39	8.20	8.62	8.94	9.01	8.38	8.32	8.40	8.39
MAX	9.25	9.19	8.75	9.04	9.44	9.10	9.30	9.34	8.67	8.90	8.50	8.73
MIN	8.31	7.76	8.27	8.18	7.68	7.64	7.61	8.37	8.08	7.28	8.31	7.90

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA

LOCATION.--Lat 29°47'52", long 90°49'21", in lot 117, T.15 S., R.16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi (4.3 km) upstream from Laurel Valley Canal.

PERIOD OF RECORD.--April 1966 to current year (elevations only). Unpublished records, May 1954 to July 1957, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Weir located about 1,000 ft (300 m) downstream since Nov. 5, 1968. Records of suspended-sediment loads for the water year 1979 are published under miscellaneous water-quality sites of this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.64 ft (2.329 m) Apr. 17, 1973; minimum, 0.82 ft (0.250 m) Dec. 2, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 7.40 ft (2.256 m) Feb. 6; minimum, 4.91 ft (1.478 m) Nov. 5, but may have been less during the period of no gage-height record Aug. 23 to Sept. 30.

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	5.54	5.26	5.28	5.33	5.40	5.36	5.60	5.57	5.84	5.24	5.23	
2	5.62	5.04	5.33	5.34	5.37	5.36	5.58	5.57	5.93	5.23	5.23	
3	5.43	4.96	5.39	5.27	5.37	5.48	5.60	5.64	5.67	5.25	5.20	
4	5.27	4.92	5.52	5.27	5.56	5.43	5.93	5.67	5.43	5.25	5.20	
5	5.20	4.91	5.46	5.29	6.00	5.31	5.73	5.72	5.37	5.25	5.20	
6	5.18	4.95	5.30	5.40	7.31	5.27	5.65	5.70	5.30	5.36	5.26	
7	5.18	5.20	5.23	5.82	6.62	5.30	5.62	5.69	5.26	5.47	5.25	
8	5.18	5.35	5.20	5.64	5.86	5.31	5.62	5.66	5.25	5.55	5.25	
9	5.19	5.40	5.25	5.41	5.40	5.32	5.61	5.64	5.26	5.56	5.28	
10	5.19	5.43	5.22	5.27	5.31	5.39	5.59	5.65	5.28	5.47	5.29	
11	5.18	5.45	5.25	5.22	5.32	5.45	5.56	5.67	5.27	5.68	5.32	
12	5.08	5.48	5.30	5.27	5.28	5.50	5.60	5.64	5.24	5.31	5.35	
13	5.06	5.44	5.35	5.28	5.21	5.46	5.66	5.66	5.25	5.20	5.35	
14	5.02	5.37	5.36	5.30	5.16	5.45	5.63	5.66	5.25	5.26	5.35	
15	5.02	5.28	5.44	5.24	5.13	5.44	5.55	5.64	5.25	5.39	5.39	
16	5.05	5.24	5.48	5.26	5.07	5.49	5.53	5.57	5.22	5.34	5.36	
17	4.99	5.30	5.47	5.29	5.12	5.48	5.54	5.54	5.21	5.26	5.30	
18	4.99	5.27	5.49	5.30	5.31	5.53	5.64	5.51	5.17	5.24	5.25	
19	5.01	5.24	5.43	5.27	5.33	5.55	5.69	5.66	5.13	5.30	5.25	
20	5.00	5.27	5.35	5.38	5.33	5.56	5.69	5.60	5.10	5.33	5.25	
21	5.19	5.25	5.32	5.52	5.81	5.56	5.87	5.56	5.08	5.32	5.23	
22	5.40	5.26	5.31	5.35	5.67	5.59	6.74	5.53	5.06	5.31	5.24	
23	5.50	5.26	5.33	5.30	5.72	5.92	6.30	5.83	5.01	5.26	5.24	
24	5.31	5.27	5.42	5.59	6.42	5.81	5.59	5.61	5.02	5.31	---	
25	5.21	5.27	5.35	5.41	5.97	5.71	5.52	5.51	5.00	6.33	---	
26	5.33	5.28	5.33	5.48	5.60	5.67	5.59	5.49	5.05	6.05	---	
27	5.21	6.12	5.33	5.53	5.43	5.69	5.67	5.48	5.17	5.45	---	
28	5.34	5.57	5.34	5.38	5.37	5.74	5.67	5.35	5.23	5.16	---	
29	5.30	5.12	5.33	5.32	---	5.76	5.64	5.41	5.23	5.00	---	
30	5.39	5.22	5.35	5.30	---	5.69	5.57	5.43	5.23	5.00	---	
31	5.42	---	5.32	5.50	---	5.59	---	6.34	---	5.10	---	
MEAN	5.23	5.28	5.35	5.37	5.59	5.52	5.69	5.62	5.26	5.36	---	
MAX	5.62	6.12	5.52	5.82	7.31	5.92	6.74	6.34	5.93	6.33	---	
MIN	4.99	4.91	5.20	5.22	5.07	5.27	5.52	5.35	5.00	5.00	---	

07381200 BAYOU LAFOURCHE AT VALENTINE, LA

LOCATION.--Lat 29°35'35", long 90°28'25", on line between lots 96 and 98, T.17 S., R.20 E., Lafourche Parish, Hydrologic Unit 08090301, on upstream side of bridge on State Highway 308, at Valentine, 5.2 mi (8.4 km) upstream from Intracoastal Waterway, and 5.7 mi (9.2 km) south of Lockport.

PERIOD OF RECORD.--April 1966 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1968, at datum 2.98 ft (0.908 m) lower.

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.44 ft (1.049 m) Sept. 6, 1977; minimum, -0.18 ft (-0.055 m) Feb. 9, 1968 (present datum).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.09 ft (0.942 m) July 27; minimum, 0.61 ft (0.186 m) Feb. 1.

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	2.11	1.74	1.94	1.89	.72	1.52	2.09	2.27	2.14	---	2.08	2.25
2	1.99	1.71	1.93	1.83	.72	1.49	2.16	2.28	2.09	---	1.93	2.26
3	1.97	1.60	2.00	1.17	.96	1.92	2.24	2.42	1.96	---	1.86	2.30
4	1.99	1.57	2.24	.90	1.22	2.16	2.37	2.53	1.80	---	1.78	2.23
5	1.98	1.54	2.10	.87	1.61	1.94	2.19	2.52	1.63	---	1.73	2.10
6	1.97	1.58	1.96	.93	2.31	1.71	1.91	2.37	1.63	---	1.68	2.09
7	1.70	1.79	1.96	1.59	2.42	1.56	1.87	2.27	1.78	---	1.66	2.11
8	1.63	1.39	1.91	1.65	2.27	1.44	1.91	2.26	1.88	---	1.70	1.98
9	1.61	1.38	2.05	1.16	2.12	1.40	2.03	2.27	1.88	---	1.79	1.83
10	1.52	1.53	1.53	1.18	1.74	1.60	1.94	2.35	1.91	---	1.82	1.89
11	1.51	1.79	1.25	1.23	1.55	1.42	2.18	2.37	1.94	---	1.72	2.04
12	1.79	1.55	1.07	1.25	1.42	1.18	2.48	2.38	1.64	---	1.67	2.18
13	1.94	1.61	1.01	1.46	1.36	1.37	2.59	2.43	1.63	---	1.55	2.07
14	1.91	1.67	1.15	1.47	1.37	1.53	2.51	2.48	1.71	---	1.56	2.31
15	1.45	1.76	1.06	1.03	1.42	1.37	2.35	2.11	1.85	---	1.59	2.21
16	1.60	1.86	1.24	.94	1.41	1.37	2.16	2.00	---	---	1.58	1.91
17	1.67	2.17	1.30	1.08	1.22	1.45	2.11	1.98	---	---	1.55	1.99
18	1.57	1.87	1.14	1.11	1.27	1.79	2.04	1.89	---	---	1.58	2.20
19	1.55	1.72	1.28	1.15	1.01	1.98	1.97	1.99	---	---	1.66	2.31
20	1.58	1.57	1.37	1.46	1.10	2.05	1.94	1.93	---	1.80	1.72	2.47
21	1.58	1.61	1.65	1.47	1.79	1.94	2.08	1.91	---	1.79	1.75	2.78
22	1.59	1.61	1.33	1.01	1.89	1.94	2.55	1.94	---	1.84	1.70	2.58
23	1.63	1.62	1.33	1.14	2.09	2.17	2.79	2.46	---	2.09	1.70	2.30
24	1.57	1.62	1.69	1.25	2.38	1.91	2.78	2.28	---	2.44	1.75	2.09
25	1.51	1.56	1.46	.96	2.36	1.61	2.67	2.08	---	2.80	1.88	2.02
26	1.68	1.65	1.39	1.15	2.02	1.34	2.57	1.78	---	2.02	1.93	1.96
27	1.56	2.18	1.35	1.22	1.73	1.41	2.59	1.70	---	3.03	1.93	1.97
28	1.49	2.26	1.27	1.12	1.62	1.49	2.38	1.74	---	2.93	2.04	2.00
29	1.40	2.03	1.42	.92	---	1.74	2.27	1.80	---	2.73	2.12	1.96
30	1.51	1.99	1.63	.91	---	1.94	2.30	1.94	---	2.48	2.20	1.90
31	1.69	---	1.70	1.02	---	2.09	---	2.19	---	2.27	2.32	---
MEAN	1.69	1.72	1.54	1.21	1.61	1.67	2.27	2.16	---	---	1.79	2.14
MAX	2.11	2.26	2.24	1.89	2.42	2.17	2.79	2.53	---	---	2.32	2.78
MIN	1.40	1.38	1.01	.87	.72	1.18	1.87	1.70	---	---	1.55	1.83

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)

LOCATION.--Lat 29°34'20", long 90°23'02", T.17 S., R.20 E., Lafourche Parish, Hydrologic Unit 08090301, at intersection with Intracoastal Waterway at mile 35.3 (56.8 km) (WHL).

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.--Flow direction is dependent upon tide and upon wind velocity. Samples are collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.5°C July 28, 29, 1977; minimum daily, 6.0°C Jan. 19, 20, 1977, Jan. 20, 21, 22, 23, 1978.
CHLORIDE: Maximum daily, 6,700 mg/L Oct. 25, 1976; minimum daily, 18 mg/L Aug. 5, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C June 13; minimum daily, 8.0°C Jan. 15, 16, 24, Feb. 1, 2.
CHLORIDE: Maximum daily, 3,600 mg/L Sep. 9, 10, 11, 12, 13; minimum daily, 20 mg/L Apr. 21, June 11, 14.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 31...	0915	5960	7.9	60	35	<1.0	6.6	90	1.7	K17000	K1000	630
NOV 21...	0920	2290	7.9	80	30	<1.0	7.7	44	1.5	4400	<5	290
DEC 19...	0940	723	7.5	80	75	<1.0	7.6	49	3.5	6000	K1400	180
JAN 26...	1340	5670	7.8	30	65	<1.0	10.9	180	3.2	600	K80	530
FEB 26...	1220	320	7.7	100	170	<1.0	8.0	60	2.0	18000	580	94
MAR 16...	1135	327	7.1	80	70	<1.0	8.3	37	1.8	K4800	250	83
APR 17...	0945	532	7.3	60	60	<1.0	5.8	32	1.5	570	K120	110
JUL 19...	0950	362	6.9	30	40	<1.0	4.6	32	2.7	520	150	100
AUG 16...	1430	385	7.6	30	55	<1.0	7.4	31	3.0	480	K52	99
SEP 05...	1300	484	7.8	50	45	<1.0	6.0	28	.5	400	130	100

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT 31...	520	71	110	1100	78	19	39	140	0	110	260	1800
NOV 21...	180	47	42	390	74	10	12	135	0	110	92	690
DEC 19...	76	39	19	120	58	3.9	7.8	122	0	100	55	200
JAN 26...	450	55	95	980	79	19	32	99	0	81	170	1800
FEB 26...	34	21	10	44	49	2.0	4.4	73	0	60	36	72
MAR 16...	19	22	6.8	28	41	1.3	3.9	78	0	64	28	44
APR 17...	33	26	11	54	50	2.2	4.5	94	0	77	28	89
JUL 19...	31	24	9.8	34	41	1.5	3.6	84	0	69	28	55
AUG 16...	25	24	9.6	43	59	1.9	3.4	91	0	75	25	110
SEP 05...	25	25	10	52	51	2.2	4.2	96	0	79	33	83

< 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).

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--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 31...	64	.09	.01	.10	1.6	.13	2	1	1	10	0
NOV 21...	2	.24	.01	.25	.90	.11	2	1	1	0	0
DEC 19...	91	.39	.01	.40	.81	.17	3	2	1	10	10
JAN 26...	82	.70	.08	.78	1.3	.13	2	1	1	10	10
FEB 26...	196	.31	.10	.41	1.1	.23	4	3	1	10	0
MAR 16...	476	.05	.06	.11	1.1	.20	2	1	1	0	0
APR 17...	86	.41	.02	.43	.73	.17	1	0	1	1	0
JUL 19...	82	.33	.02	.35	.59	.09	2	1	1	1	0
AUG 16...	49	.23	.02	.25	.51	.16	3	2	1	1	0
SEP 05...	66	.48	.02	.50	.78	.13	2	0	2	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)
OCT 31...	10	0	0	0	0	0	6	3	3	30	14
NOV 21...	0	0	0	0	0	0	4	2	2	30	5
DEC 19...	0	0	0	0	10	3	9	6	3	70	11
JAN 26...	0	0	0	0	10	0	6	3	3	70	6
FEB 26...	10	1	1	0	20	0	10	6	4	90	9
MAR 16...	0	0	0	0	10	0	9	9	0	160	14
APR 17...	1	1	0	1	0	0	12	10	2	50	29
JUL 19...	1	1	0	1	10	0	4	2	2	20	7
AUG 16...	1	1	0	1	10	0	4	2	2	30	2
SEP 05...	0	0	0	0	20	0	5	0	5	20	4

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--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 (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												
31...	14	0	.0	.0	.0	6	6	0	0	0	0	--
NOV												
21...	5	0	.0	.0	.0	2	2	0	1	0	1	--
DEC												
19...	9	2	.0	.0	.0	6	3	3	1	1	0	--
JAN												
26...	5	1	.0	.0	.0	7	5	2	0	0	0	--
FEB												
26...	9	0	.0	.0	.0	11	8	3	0	0	0	.0
MAR												
16...	14	0	.0	.0	.0	6	5	1	0	0	0	--
APR												
17...	29	0	.2	.2	.0	9	9	0	0	0	0	.0
JUL												
19...	4	3	.2	.0	.2	4	2	2	0	0	0	1.0
AUG												
16...	2	0	.1	.0	.1	6	6	0	0	0	--	1.0
SEP												
05...	4	0	.0	.0	.0	4	4	0	0	0	0	1.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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...	30	10	20	15	.00	1	0	.0	.00	.000	.0	.000
NOV												
21...	30	20	10	14	.00	2	0	.0	.00	.000	.0	.000
DEC												
19...	40	30	10	.7	.00	4	0	.0	--	.000	.0	.000
JAN												
26...	40	20	20	13	.00	0	6	.0	--	.000	.0	.000
FEB												
26...	50	40	10	19	.00	3	0	.0	--	.000	.0	.000
MAR												
16...	30	30	0	9.7	.00	2	--	.0	--	.000	.0	.000
APR												
17...	30	30	3	--	.00	4	0	.0	.00	.000	.0	.000
JUL												
19...	30	30	3	12	.00	2	0	.0	.00	.000	.0	.000
AUG												
16...	0	0	3	--	.00	2	--	.0	.00	.000	.0	.000
SEP												
05...	0	0	1	--	.00	0	0	.0	.00	.000	.0	.000

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--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 31...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
NOV 21...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC 19...	.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 26...	.000	.000	.03	.001	.000	.000	.00	.002	.002	.001	.01	.00
MAR 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR 17...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP 05...	.000	.000	.02	.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)
OCT 31...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.02	34.3	.000
NOV 21...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.11	.406
DEC 19...	.00	.00	.00	.00	.00	.0	.00	.06	.00	.01	18.8	.000
JAN 26...	.00	.00	.00	.00	.00	.0	--	.00	.00	.00	8.79	.000
FEB 26...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.01	7.75	.000
MAR 16...	.00	.00	.00	.00	.00	.0	.00	.64	.00	.01	24.0	.000
APR 17...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.5	.000
JUL 19...	.00	.00	.00	.00	.00	.0	.00	.02	.03	.02	34.0	.000
AUG 16...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.01	42.9	.000
SEP 05...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	14.1	.000

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--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	27.0	23.0	17.0	14.0	8.0	15.5	22.0	28.0	26.0	27.0	23.0	26.0
2	26.5	23.0	17.0	13.0	8.0	16.5	22.0	28.0	26.0	27.0	22.0	26.0
3	26.0	22.5	16.0	10.0	10.0	16.5	22.0	28.0	26.0	27.0	22.0	26.0
4	26.0	22.0	16.0	9.0	10.0	17.0	21.5	28.0	26.0	26.0	22.0	26.0
5	26.5	22.5	16.0	9.0	10.0	16.5	28.5	28.0	26.0	26.0	22.0	26.0
6	26.5	23.0	17.0	9.0	9.0	16.0	28.5	--	26.0	26.0	22.0	26.0
7	25.0	20.5	20.0	9.0	9.0	16.5	20.5	28.0	26.0	26.0	22.0	26.0
8	25.0	19.0	20.0	9.0	9.0	16.5	22.0	28.0	26.0	26.0	22.0	26.0
9	23.5	19.0	18.0	8.5	9.0	16.5	22.0	27.0	26.0	26.0	22.0	26.0
10	23.0	19.5	18.0	8.5	9.0	16.5	22.0	27.0	26.0	26.0	22.0	26.0
11	23.5	20.5	--	8.5	9.0	16.5	22.5	27.0	24.0	26.0	22.0	26.0
12	24.0	20.5	12.0	8.5	9.0	16.5	23.5	---	27.0	26.0	22.0	26.0
13	24.5	20.5	12.0	9.0	11.0	17.0	23.5	27.0	31.0	26.0	22.0	---
14	24.0	21.0	12.0	10.0	13.0	18.0	23.5	27.0	30.0	26.0	22.0	26.0
15	24.0	22.0	12.0	8.0	14.0	17.0	23.5	27.0	30.0	26.0	22.0	26.0
16	22.0	22.0	12.0	8.0	16.0	---	23.5	27.0	27.0	26.0	21.0	26.0
17	21.0	22.0	12.0	10.0	15.0	17.0	24.0	27.0	29.0	25.0	22.0	26.0
18	20.0	22.0	12.0	11.0	13.0	17.0	24.0	27.0	29.0	25.0	23.0	26.0
19	20.5	23.0	14.0	12.0	12.0	18.5	24.0	27.0	29.0	25.0	23.0	26.0
20	21.0	22.0	16.0	16.0	12.0	19.5	24.0	27.0	29.0	25.0	---	26.0
21	21.5	23.0	17.0	16.0	13.0	20.0	23.0	27.0	29.0	25.0	24.0	26.0
22	21.5	23.0	14.0	10.0	16.5	20.5	22.0	27.0	29.0	25.0	25.0	26.0
23	22.0	23.0	14.0	11.0	16.0	20.5	23.0	27.0	29.0	24.0	25.0	26.0
24	22.0	19.0	14.0	8.0	16.0	18.5	23.5	27.0	28.0	25.0	25.0	26.0
25	22.0	19.0	14.0	9.0	16.0	18.0	28.5	27.0	29.0	24.0	25.0	26.0
26	22.5	19.0	13.0	9.0	14.0	17.0	28.0	27.0	28.0	23.0	---	26.0
27	23.0	19.0	12.0	9.0	13.0	17.5	28.0	27.0	28.0	23.0	---	27.0
28	---	20.0	13.0	9.0	14.0	18.0	28.0	27.0	28.0	23.0	---	27.0
29	22.5	18.0	12.0	9.0	---	19.0	28.0	27.0	27.0	23.0	---	27.0
30	22.5	18.0	13.0	9.0	---	20.0	28.0	27.0	27.0	23.0	---	27.0
31	23.0	---	14.0	9.0	---	21.0	---	27.0	---	23.0	---	---

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--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	320	500	220	66	56	36	42	30	48	32	55	300
2	960	380	300	64	56	26	24	32	60	34	55	280
3	520	240	320	66	58	38	22	30	36	32	55	320
4	380	180	300	74	52	34	32	26	22	36	650	3300
5	300	240	720	64	36	32	26	30	50	40	700	3300
6	160	240	140	60	42	36	28	36	24	54	50	3300
7	190	250	40	64	40	32	26	28	26	54	100	3300
8	200	180	180	78	22	28	30	36	26	56	70	3300
9	160	190	180	76	48	26	28	26	26	48	70	3600
10	160	230	250	74	34	22	28	24	24	46	60	3600
11	220	300	120	66	48	26	26	26	20	46	65	3600
12	380	300	120	80	54	28	160	24	26	48	60	3600
13	540	420	120	76	46	32	160	26	24	40	60	3600
14	320	460	60	66	54	30	160	32	20	38	65	3500
15	760	700	80	68	54	38	520	30	24	42	55	1900
16	500	2500	60	58	50	40	540	26	36	38	65	1900
17	260	2500	60	70	40	34	180	38	26	44	55	1800
18	420	2500	60	62	38	72	80	28	24	42	55	1900
19	420	580	60	100	40	76	40	26	26	46	55	2000
20	380	550	80	100	36	80	60	28	24	50	46	660
21	580	580	50	80	32	36	20	26	26	36	48	640
22	580	400	60	80	38	30	40	44	26	38	42	640
23	630	500	60	100	40	26	40	40	28	52	50	640
24	200	500	---	---	32	22	60	22	28	150	42	640
25	120	980	80	56	42	26	60	26	28	1900	44	380
26	270	1600	50	40	28	32	40	24	26	1100	---	400
27	160	1600	60	42	28	28	340	24	28	1100	---	480
28	420	420	56	56	32	28	320	32	30	680	---	460
29	320	580	92	56	---	26	340	48	28	660	---	460
30	280	160	90	50	---	42	340	56	32	680	---	460
31	360	---	90	56	---	44	---	64	---	620	---	---

07381350 COMPANY CANAL AT LOCKPORT, LA

LOCATION.--Lat 29°38'42", long 90°32'41", in SW¼ sec.18, T.16 S., R.19 E., Lafourche Parish, Hydrologic Unit 08090303, at center of bridge on State Highway 1 at Lockport.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water year 1979.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 475 micromhos Sep. 17, 1979; minimum daily, 263 micromhos July 27, 1979.

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
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1							---	---	305	285	381	376
2							---	---	303	282	383	376
3							---	---	421	295	379	355
4							---	---	325	299	407	360
5							---	---	307	283	366	304
6							---	---	317	296	372	322
7							---	---	399	306	437	321
8							---	---	369	317	338	314
9							---	---	345	309	323	310
10							---	---	420	310	392	314
11							---	---	324	318	393	346
12							---	---	324	320	414	371
13							---	---	340	321	394	322
14							---	---	361	320	435	343
15							---	---	432	347	469	416
16							---	---	402	344	435	408
17							---	---	388	299	475	390
18							---	---	397	317	---	---
19							---	---	418	355	---	---
20							---	---	417	399	---	---
21							---	---	417	376	---	---
22							---	---	382	341	---	---
23							---	---	345	320	---	---
24							---	---	399	321	---	---
25							---	---	405	373	---	---
26							337	300	408	399	---	---
27							340	263	407	303	---	---
28							354	310	394	336	---	---
29							342	309	400	385	---	---
30							382	297	396	372	---	---
31							328	284	387	371	---	---

292245090123200 BAYOU LAFOURCHE AT GALLIANO, LA (CE 82300)

LOCATION.--Lat 29°22'45", long 90°12'32", T.19 S., R.9 E., Lafourche Parish, Hydrologic Unit 08090301, at Galliano.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978.
CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 7, 1977; minimum daily, 6.0°C Jan. 18, Feb. 1, 2, 1977.
CHLORIDE: Maximum daily, 12,000 mg/L Mar. 30, 1977; minimum, 16 mg/L Feb. 6, 1975.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 7,000 mg/L Nov. 17; minimum daily, 20 mg/L Feb. 16.

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	2700	5800	600	4300	50	45	290	50	35	40	800	500
2	2700	5600	500	350	90	45	290	85	40	45	1000	500
3	2700	6100	500	100	90	40	95	65	30	40	950	550
4	1800	5500	3800	100	90	40	95	120	40	35	470	250
5	1800	6100	350	95	90	40	35	130	35	45	480	150
6	1700	5600	300	90	120	35	35	35	35	35	200	200
7	1200	6300	300	85	100	35	30	35	35	45	200	60
8	1000	3500	250	90	40	35	45	45	35	40	200	60
9	1000	4000	200	50	40	35	1400	45	30	40	200	60
10	1000	4000	250	60	40	210	1600	40	45	35	160	60
11	1400	4200	250	65	45	35	1500	45	30	2500	95	55
12	2900	4000	250	130	35	35	3400	40	30	2400	85	3200
13	3700	4100	300	1100	40	30	3200	40	85	2500	60	3200
14	3700	3200	200	2200	35	30	250	30	100	150	75	3200
15	3700	3800	200	50	55	35	250	35	85	75	60	4200
16	3700	4800	200	100	20	35	600	35	70	50	60	4300
17	3200	7000	200	80	55	80	650	30	70	650	70	4300
18	4300	4600	150	80	40	180	---	30	40	500	80	4300
19	4800	3400	1900	75	55	400	100	40	35	450	90	4800
20	5400	2800	1800	1500	50	300	100	35	30	500	95	4800
21	5800	3900	400	95	60	270	400	30	25	2400	100	4400
22	5700	3900	100	50	85	270	400	35	25	2400	85	4400
23	6000	4600	100	75	40	260	350	55	30	2400	55	2800
24	6300	2600	100	50	60	40	700	55	25	2400	55	650
25	6300	2200	50	60	35	30	100	25	40	2300	50	700
26	6000	4400	150	65	35	35	50	45	25	2400	50	600
27	4700	3300	100	50	40	35	40	25	30	2300	85	650
28	4400	1800	150	90	45	30	40	35	30	2300	85	1300
29	4500	1800	100	55	---	30	50	30	35	250	85	700
30	5400	1800	200	50	---	290	40	50	35	200	140	650
31	5800	---	---	55	---	280	---	30	---	700	700	---

07381300 BAYOU LAFOURCHE AT GOLDEN MEADOW, LA

LOCATION.--Lat 29°23'25", long 90°15'55", on line between lots 22 and 23, T.19 S., R.22 E., Lafourche Parish, Hydrologic Unit 08090301, near right bank on downstream side of first pile bent from right abutment of highway bridge connecting State Highways 1 and 308 at Golden Meadow.

PERIOD OF RECORD.--April 1959 to September 1968, February to July 1970, October 1970 to September 1979 (gage height only), discontinued.

GAGE.--Water-stage recorder. Datum of gage is 3.40 ft (1.036 m) below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Feb. 10, 1970, at datum 3.40 ft (1.036 m) higher.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.13 ft (2.478 m) Oct. 4, 1964, present datum; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.95 ft (2.118 m) Sept. 20; minimum, 3.88 ft (1.183 m) Jan. 31.

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	5.87	5.47	5.62	5.72	4.18	4.95	5.52	5.57	5.21	5.06	5.48	6.00
2	5.71	5.38	5.72	4.89	4.37	5.13	5.66	5.80	5.19	5.02	5.48	6.00
3	5.68	5.31	5.85	4.28	4.48	5.57	5.57	5.92	5.14	5.05	5.49	6.00
4	5.73	5.34	5.88	4.38	4.61	5.50	5.62	5.98	5.06	5.17	5.45	5.88
5	5.83	5.33	5.52	4.43	5.03	4.97	5.08	5.76	5.12	5.24	5.44	5.69
6	5.72	5.55	5.53	4.29	5.66	4.85	5.10	5.37	5.31	5.24	5.35	5.40
7	5.48	5.45	5.59	5.26	5.72	4.92	5.17	5.61	5.45	5.20	5.34	5.40
8	5.46	5.23	5.51	4.60	4.92	4.63	5.40	5.86	5.52	5.21	5.39	5.38
9	5.42	5.25	5.28	4.28	4.73	4.78	5.47	5.94	5.50	5.27	5.38	5.43
10	5.42	5.37	4.22	4.49	4.49	4.96	5.55	5.94	5.54	5.35	5.38	5.69
11	5.49	5.39	4.53	4.83	4.67	4.65	5.98	5.90	5.25	6.46	5.34	6.07
12	5.72	5.02	4.28	4.52	4.69	4.64	6.36	5.81	5.07	5.81	5.29	6.40
13	5.83	5.13	4.52	5.37	4.72	4.93	6.08	5.57	5.33	5.52	5.29	6.35
14	5.40	5.27	4.58	5.01	4.88	5.10	5.56	5.21	5.25	5.52	5.37	6.22
15	5.17	5.45	4.74	4.33	4.98	4.66	5.38	5.17	5.45	5.49	5.37	5.73
16	5.39	5.58	4.96	4.64	4.91	5.01	5.28	5.13	5.40	5.35	5.40	5.74
17	5.32	5.83	4.84	4.80	4.51	5.10	5.25	5.12	5.43	5.30	5.45	5.89
18	5.35	5.50	4.98	4.68	4.69	5.45	5.18	5.11	5.42	5.42	5.45	6.17
19	5.43	5.43	5.02	4.90	4.45	5.64	5.14	5.29	5.48	5.53	5.50	6.10
20	5.43	5.40	5.17	5.27	4.55	5.50	5.20	5.17	5.43	5.58	5.52	6.47
21	5.47	5.38	5.27	5.00	4.98	5.25	5.60	5.33	5.40	5.50	5.49	6.41
22	5.43	5.46	4.82	4.00	5.24	5.34	6.12	5.64	5.33	5.47	5.35	5.72
23	5.43	5.47	4.92	4.62	5.36	5.69	6.28	5.89	5.31	6.06	5.41	5.69
24	5.37	5.23	5.40	4.67	5.62	5.00	6.20	5.45	5.27	6.58	5.44	5.74
25	5.48	5.18	4.68	4.22	5.02	4.60	6.19	5.02	5.09	6.72	5.59	5.79
26	5.43	5.47	4.80	4.77	4.72	4.57	6.12	5.06	4.99	6.46	5.61	5.79
27	5.21	5.87	4.72	4.85	4.83	4.92	5.74	5.09	5.06	6.30	5.71	5.93
28	5.22	5.83	4.85	4.72	4.98	5.15	5.52	5.11	5.15	6.13	5.77	5.95
29	5.09	5.62	5.15	4.52	---	5.48	5.44	5.14	5.24	5.75	6.03	5.83
30	5.23	5.68	5.41	4.62	---	5.65	5.66	5.34	5.14	5.53	6.16	5.73
31	5.48	---	5.57	4.28	---	5.64	---	5.45	---	5.52	6.15	---
MEAN	5.47	5.43	5.09	4.69	4.86	5.10	5.61	5.48	5.28	5.61	5.51	5.89
MAX	5.87	5.87	5.88	5.72	5.72	5.69	6.36	5.98	5.54	6.72	6.16	6.47
MIN	5.09	5.02	4.22	4.00	4.18	4.57	5.08	5.02	4.99	5.02	5.29	5.38

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)

LOCATION.--Lat 29°35'55", long 90°42'36", in sec.8, T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, at State Highway 24 bridge at Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1960, 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	1000	1420	7.8	40	55	<1.0	5.5	43	.6	16000	K1400	220
NOV												
21...	1000	3940	7.6	50	40	<1.0	5.7	38	2.2	K28000	4600	500
DEC												
19...	1110	429	7.5	30	60	<1.0	8.3	35	2.9	440	--	140
JAN												
29...	1005	388	8.0	40	70	<1.0	--	42	2.9	8800	K67	130

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	120	40	28	200	66	5.9	9.4	125	0	103	81	340
NOV												
21...	390	71	79	620	72	12	24	140	0	110	190	1100
DEC												
19...	130	36	11	39	38	1.5	4.4	114	0	94	44	57
JAN												
29...	42	31	12	49	44	1.9	5.0	104	0	85	37	84

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
OCT											
31...	46	.38	.02	.40	.92	.12	2	1	1	0	0
NOV											
21...	50	.63	.13	.76	1.2	.12	2	1	1	10	10
DEC											
19...	74	.54	.01	.55	.68	.12	2	1	1	10	0
JAN											
29...	108	.40	.06	.46	.52	.13	1	0	1	1	0

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
31...	0	0	0	0	0	0	6	4	2	20	6
NOV											
21...	0	0	0	0	10	0	4	2	2	0	7
DEC											
19...	10	3	3	0	10	0	130	110	18	50	10
JAN											
29...	1	1	0	1	10	1	6	4	2	10	7

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

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

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)--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 (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 31...	6	0	.0	.0	.0	5	5	0	0	0	0	--
NOV 21...	6	1	.0	.0	.0	3	3	0	1	0	1	--
DEC 19...	7	3	.0	.0	.0	9	6	3	1	1	0	.0
JAN 29...	7	0	.0	.0	.0	6	6	0	1	0	1	.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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	10	.00	1	0	.0	.00	.000	.0	.000
NOV 21...	40	20	20	9.5	.00	2	0	.0	.00	.000	.0	.000
DEC 19...	20	0	20	9.9	.00	1	0	.0	--	.000	.0	.000
JAN 29...	20	20	3	7.8	.00	3	5	.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)
OCT 31...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 21...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.001	.00	.00
DEC 19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 29...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.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	.00	.00	.08	14.3	.000
NOV 21...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.05	3.44	.496
DEC 19...	.00	.00	.00	.00	.00	.0	.00	.07	.01	.03	11.9	.000
JAN 29...	.00	.00	.00	.00	.00	.0	.00	.00	.01	.03	16.7	.000

07381320 BAYOU TERREBONNE AT HOUMA, LA (CE 76270)

LOCATION.--Lat 29°36'00", long 90°43'00", T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, at Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1956, 1959, 1975 to current year (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978.
CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
CHLORIDE: Maximum daily, 4,600 mg/L Sep. 16, 1976; minimum daily, 10 mg/L Nov. 13-17, 1976, Nov. 9, 1978.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 220 mg/L Oct. 16; minimum daily, 10 mg/L Nov. 9.

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

DAY	OCT	NOV
1	180	180
2	110	180
3	90	130
4	110	100
5	78	50
6	78	30
7	76	70
8	70	---
9	60	10
10	65	40
11	70	---
12	72	66
13	78	34
14	150	50
15	140	75
16	220	200
17	120	190
18	160	100
19	120	100
20	160	49
21	120	---
22	76	---
23	---	---
24	110	---
25	100	---
26	55	---
27	110	---
28	110	---
29	60	---
30	130	---
31	120	---

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°34'00", long 90°42'55", T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, near center of span on downstream side of bridge on State Highway 661 in Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 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, 26,000 micromhos Aug. 29, 1978; minimum daily, 179 micromhos July 21, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 20,200 micromhos Sep. 21; minimum daily, 201 micromhos June 9.

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, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 12...	1600	482	7.5	26.5	40	60	8.4	--	K110	K93	110	23
NOV 17...	1000	12600	7.6	24.0	20	20	7.2	3.8	--	240	1400	1300
DEC 12...	1400	453	7.4	13.5	30	55	6.2	1.8	K40	140	130	33
JAN 11...	0900	392	7.3	8.5	40	60	10.2	3.4	<5	340	120	34
FEB 15...	0900	268	7.2	14.0	50	45	8.8	2.8	--	560	79	19
MAR 21...	1300	230	7.4	18.5	80	120	8.2	1.7	K70	210	82	23
APR 11...	1245	273	7.2	23.0	70	70	7.7	3.7	K55	--	100	29
MAY 17...	1300	218	6.9	26.0	50	20	5.7	2.3	--	--	76	12
JUN 20...	1530	241	7.4	30.0	40	25	6.5	3.0	K50	K70	72	7
JUL 03...	1400	285	6.9	31.0	40	30	4.4	.8	--	950	81	9
AUG 21...	1430	324	7.0	30.5	40	35	4.3	.1	K90	--	90	23
SEP 20...	1115	9560	7.6	26.5	10	45	6.5	4.2	--	K3200	780	690

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07381325 HOUMA NAVIGATION CANAL AT HOUMA, 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											
12...	27	11	47	3.9	106	0	87	25	78	.3	6.8
NOV											
17...	130	260	2300	100	144	0	118	610	3900	.4	1.2
DEC											
12...	32	11	42	4.3	118	0	97	39	53	.2	6.5
JAN											
11...	31	9.3	34	3.8	100	0	82	35	47	.1	5.7
FEB											
15...	21	6.5	21	3.3	74	0	61	21	29	.1	4.4
MAR											
21...	23	5.9	12	2.6	72	0	59	24	18	.1	5.0
APR											
11...	28	7.2	16	3.3	86	0	71	35	23	.1	4.3
MAY											
17...	20	6.4	16	--	78	0	64	--	--	--	--
JUN											
20...	19	6.0	16	2.4	79	0	65	12	21	.1	4.6
JUL											
03...	22	6.4	23	2.6	88	0	72	14	31	.2	6.3
AUG											
21...	24	7.2	26	3.9	81	0	66	27	37	.1	6.1
SEP											
20...	98	130	1700	63	110	0	90	450	2900	.3	4.7

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)
OCT										
12...	275	.27	.06	1.4	--	.04	.04	13	--	--
NOV										
17...	7960	.40	.19	--	.82	.09	.06	9.5	--	--
DEC										
12...	255	.36	.14	1.3	.71	.17	.04	13	--	--
JAN										
11...	226	.38	.19	1.2	.73	.19	.02	--	7.9	3.4
FEB										
15...	151	.25	.11	.81	.48	.16	.03	13	--	--
MAR										
21...	126	.64	.12	.73	.47	.09	.03	9.8	--	--
APR										
11...	172	.67	.08	.86	.86	.16	.04	--	9.0	6.0
MAY										
17...	128	--	--	--	--	--	--	12	--	--
JUN										
20...	131	.08	.07	1.1	.69	.12	.02	140	--	--
JUL										
03...	168	.29	.08	1.2	.47	.38	.10	--	--	--
AUG										
21...	189	.53	.19	.90	--	.09	.03	8.9	--	--
SEP										
20...	5800	.32	.32	1.1	.77	.06	.00	9.3	--	--

07381325 HOUMA NAVIGATION CANAL AT HOUMA, 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 12...	3	1	100	100	5	5	0	0	3
JAN 11...	2	1	80	80	2	2	10	0	3
APR 11...	2	1	200	100	0	0	0	0	0
JUL 03...	2	2	200	100	1	1	0	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)
OCT 12...	3	23	8	4300	60	8	0	160	10
JAN 11...	3	18	10	3500	20	6	2	150	2
APR 11...	0	11	4	3700	30	17	0	150	10
JUL 03...	3	9	3	1100	20	49	0	100	10

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 12...	.0	.0	0	0	0	0	30	10
JAN 11...	.0	.0	0	0	0	0	30	5
APR 11...	.0	.0	0	0	0	0	30	10
JUL 03...	.1	.1	0	0	4	4	30	8

07381325 HOUMA NAVIGATION CANAL AT HOUMA, 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			
12...	--	149	91
NOV			
17...	1700	--	--
17...	--	1020	97
DEC			
12...	--	192	95
JAN			
11...	--	11	83
FEB			
15...	--	73	86
MAR			
21...	1700	235	88
APR			
11...	--	158	98
MAY			
17...	--	80	95
JUN			
20...	150000	--	--
20...	--	78	95
JUL			
03...	--	73	90
AUG			
21...	--	126	96
SEP			
20...	--	1097	97

07381325 HOUMA NAVIGATION CANAL AT HOUMA, 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	548	455	572	451	291	229	280	256	224	250	458	356
2	537	461	547	349	290	229	281	256	204	262	328	346
3	559	485	540	351	290	229	272	257	207	---	315	328
4	570	479	595	352	288	232	278	258	209	262	312	302
5	560	478	593	349	290	233	277	259	208	282	286	337
6	551	477	595	---	292	229	277	249	204	284	272	361
7	413	477	592	---	291	227	279	244	205	313	264	364
8	417	2050	458	---	291	227	276	243	203	307	259	364
9	422	2060	455	---	292	228	288	243	201	313	275	362
10	476	2060	457	---	292	231	286	243	203	327	280	362
11	486	2640	455	353	291	232	290	242	204	311	301	363
12	486	2660	445	351	227	233	285	244	214	306	302	368
13	482	1990	453	353	228	233	290	236	218	314	302	5960
14	555	2020	457	354	229	228	277	230	218	315	302	6400
15	564	2020	415	355	230	228	285	227	218	315	303	480
16	622	2010	413	364	231	228	283	231	217	315	310	12800
17	638	1980	413	360	230	234	284	221	218	316	335	2430
18	634	4000	412	361	227	232	284	224	232	294	305	3110
19	445	4010	415	368	230	---	288	239	213	288	330	2890
20	444	4160	411	368	229	---	309	238	237	285	309	6980
21	450	4140	415	360	230	248	286	240	247	284	326	20200
22	445	4140	416	368	231	250	281	237	235	289	355	5680
23	444	1170	394	370	229	250	266	238	239	291	328	801
24	439	1130	391	369	230	249	268	238	235	13000	353	502
25	445	1130	388	369	230	250	267	235	244	13000	335	466
26	443	1120	394	369	233	249	267	231	256	16300	308	429
27	447	571	394	370	227	249	261	236	262	16500	312	376
28	447	562	391	369	228	250	259	236	262	6720	322	359
29	445	567	391	369	---	249	263	---	260	1140	334	355
30	463	567	390	368	---	278	256	---	249	762	334	370
31	451	---	392	369	---	280	---	---	---	563	333	---

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO JULY 1979

DATE	NOV 17,78	MAR 25,79	MAY 17,79	JUN 20,79	JUL 3,79
TIME	1000	0000	1300	1530	1400
TOTAL CELLS/ML	1700	1700	13000	150000	330000
DIVERSITY: DIVISION	1.3	1.2	1.1	0.6	0.2
.CLASS	1.3	1.2	1.1	0.6	0.2
..ORDER	1.6	1.4	1.7	0.9	0.2
...FAMILY	1.6	1.7	1.9	1.3	1.2
....GENUS	2.2	2.5	2.7	1.4	1.2

ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)										
.CHLOROPHYCEAE										
..CHLOROCOCCALES										
...CHARACIACEAE										
....SCHROEDERIA	--	-	--	-	*	0	--	-	--	-
...HYDRODICTYACEAE										
....PEDIASTRUM	--	-	200	12	--	-	--	-	--	-
...MICRACTINIACEAE										
....MICRACTINIUM	--	-	--	-	*	0	--	-	--	-
...OOCYSTACEAE										
....ANKISTRODESMUS	--	-	--	-	330	3	2400	2	*	0
....CHODATELLA	--	-	--	-	*	0	--	-	*	0
....KIRCHNERIELLA	29	2	--	-	200	2	--	-	--	-
....SELENASTRUM	--	-	--	-	130	1	--	-	--	-
....TETRAEDRON	--	-	--	-	*	0	--	-	--	-
....THEOBARIA	--	-	--	-	*	0	--	-	--	-
....WESTELLA	--	-	--	-	--	-	--	-	*	0
...SCENEDESMACEAE										
....CRUCIGENIA	--	-	100	6	--	-	1400	1	--	-
....SCENEDESMUS	130	8	200	12	850	7	3200	2	2500	1
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	-	--	-	*	0	*	0	--	-
CHRYSOPHYTA										
.BACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	200	12	500#	29	75	1	4000	3	*	0
....MELOSIRA	72	4	550#	32	850	7	2000	1	--	-
....STEPHANODISCUS	--	-	--	-	*	0	--	-	--	-
..PENNALES										
...NAVICULACEAE										
....NAVICULA	--	-	25	1	*	0	*	0	--	-
...NITZSCHIACEAE										
....NITZSCHIA	220	13	25	1	550	4	1200	1	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)										
.CYANOPHYCEAE										
..CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	830#	50	--	-	5200#	40	--	-	--	-
....ANACYSTIS	190	11	--	-	2800#	22	9800	6	--	-
..HORMOGONALES										
...NOSTOCACEAE										
....ANABAENA	--	-	--	-	--	-	120000#	78	180000#	55
....ANABAENOPSIS	--	-	--	-	--	-	--	-	*	0
...OSCILLATORIACEAE										
....OSCILLATORIA	--	-	--	-	1500	12	8000	5	140000#	42
....SPIRULINA	--	-	--	-	--	-	*	0	*	0
EUGLENOPHYTA (EUGLENOIDS)										
.EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENACEAE										
....PHACUS	--	-	76	4	*	0	--	-	--	-
....TRACHELOMONAS	--	-	50	3	--	-	--	-	--	-

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

293313090360500 BAYOU TERREBONNE NEAR BOURG, LA (CE 76403)

LOCATION.--Lat 29°33'13", long 90°36'05", T.17 S., R.18 E., Terrebonne Parish, Hydrologic Unit 08090302, at Bourg.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year (discontinued).
CHLORIDE-SURFACE: October 1974 to current year (discontinued).
CHLORIDE-10 FT DEPTH: October 1975 to current year (discontinued).

REMARKS.--Samples collected by Corps of Engineers and analyzed by Geological Survey. Samples are collected at the water surface and at a 10-ft (3.0 m) depth.

EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 4, 5, 1978; minimum daily, 3.0°C Jan. 15, 1978.
CHLORIDE-SURFACE: Maximum observed, 7,500 mg/L Mar. 30, 1977; minimum daily, 14 mg/L May 31, 1975.
CHLORIDE-10 FT DEPTH: Maximum daily, 7,600 mg/L Apr. 19, 1976; minimum daily, 14 mg/L Mar. 5, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 26.0°C Oct. 1, 2, 3, 4, 5, 6, 31; minimum daily, 19.0°C Nov. 9, 10, 11.
CHLORIDE-SURFACE: Maximum daily, 1,000 mg/L Nov. 17, 18; minimum daily, 78 mg/L Oct. 17.
CHLORIDE 10 FT DEPTH: Maximum daily, 1,300 mg/L Nov. 7; minimum daily, 60 mg/L Oct. 27.

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

DAY	OCT	NOV
1	26.0	23.0
2	26.0	23.0
3	26.0	22.0
4	26.0	22.0
5	26.0	22.0
6	26.0	22.0
7	24.0	22.0
8	23.0	21.0
9	22.0	19.0
10	23.0	19.0
11	24.0	19.0
12	24.0	---
13	24.0	22.0
14	24.0	22.0
15	23.0	22.0
16	23.0	---
17	21.0	---
18	21.0	---
19	21.0	---
20	22.0	---
21	22.0	---
22	22.0	---
23	22.0	---
24	22.0	---
25	22.0	---
26	22.0	---
27	22.0	---
28	22.0	---
29	22.0	---
30	22.0	---
31	26.0	---

293313090360500 BAYOU TERREBONNE NEAR BOURG, LA (CE 76403)--Continued

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	280	100	16	82	1000
2	350	100	17	74	950
3	290	110	18	110	900
4	230	100	19	160	---
5	220	140	20	180	---
6	120	160	21	140	---
7	140	600	22	120	---
8	100	600	23	120	---
9	110	580	24	140	---
10	100	590	25	140	---
11	140	590	26	120	---
12	120	640	27	60	---
13	100	600	28	85	---
14	82	630	29	---	---
15	82	660	30	90	---
			31	100	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
SAMPLING DEPTH 10.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DAY	OCT	NOV
1	280	95	16	81	950
2	340	90	17	78	1000
3	290	110	18	120	1000
4	240	140	19	150	---
5	240	150	20	180	---
6	140	150	21	140	---
7	160	1300	22	130	---
8	110	600	23	120	---
9	120	560	24	120	---
10	120	580	25	150	---
11	110	580	26	120	---
12	100	540	27	150	---
13	100	580	28	85	---
14	88	620	29	85	---
15	89	660	30	90	---
			31	95	---

292700090420000 BAYOU GRAND CAILLOU NEAR DULAC, LA (CE 76323)

LOCATION.--Lat 29°27'00", long 90°42'00", T.19 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, 4.0 mi (6.4 km) north of Dulac.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1977 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.--
CHLORIDE: Maximum daily, 18,000 mg/L Nov. 2, 1974; minimum daily, 14 mg/L Aug. 6, 1975.

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

DAY	OCT	NOV	DAY	OCT	NOV
1	32.0	28.0	16	25.0	25.0
2	---	27.0	17	27.0	29.0
3	35.0	26.0	18	25.0	25.0
4	34.0	25.0	19	24.0	26.0
5	---	24.0	20	25.0	---
6	35.0	27.0	21	24.0	---
7	30.0	25.0	22	24.0	---
8	30.0	27.0	23	24.0	---
9	27.0	26.0	24	24.0	---
10	---	24.0	25	24.0	---
11	---	24.0	26	27.0	---
12	---	25.0	27	25.0	---
13	---	27.0	28	27.0	---
14	25.0	29.0	29	25.0	---
15	24.0	28.0	30	26.0	---
			31	27.0	---

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

DAY	OCT	NOV	DAY	OCT	NOV
1	66	54	16	71	90
2	66	44	17	62	4700
3	68	70	18	84	4700
4	70	52	19	56	4700
5	68	4600	20	70	---
6	70	72	21	58	---
7	74	66	22	46	---
8	64	60	23	60	---
9	70	60	24	72	---
10	70	4600	25	76	---
11	64	60	26	76	---
12	65	4700	27	72	---
13	61	4700	28	66	---
14	68	4700	29	76	---
15	57	4700	30	66	---
			31	62	---

292300090370000 BAYOU PETIT CAILLOU NEAR BOUDREAUX CANAL, NEAR DULAC, LA (CE 76303)

LOCATION.--Lat 29°23'00", long 90°37'00", T.19 S., R.18 E., Terrebonne Parish, Hydrologic Unit 08090302, 5.7 mi (9.2 km) east of Dulac.

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, 33.0°C June 3, July 4, 31, 1977; minimum daily, 3.5°C Jan. 20, 1977.
CHLORIDE: Maximum daily, 9,500 mg/L Nov. 1, 1974; minimum daily, 12 mg/L Aug. 2, 12, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 29.0°C Oct. 4, 5; minimum daily, 19.0°C Oct. 15, 16, 17.
CHLORIDE: Maximum daily, 4,900 mg/L Oct. 12; minimum daily, 350 mg/L Oct. 20.

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

DAY	OCT	NOV	DAY	OCT	NOV
1	26.0	23.0	16	19.0	---
2	26.0	23.0	17	19.0	---
3	26.0	23.0	18	20.0	---
4	29.0	24.0	19	20.0	---
5	29.0	24.0	20	24.0	---
6	24.0	24.0	21	24.0	---
7	23.0	24.0	22	24.0	---
8	23.0	25.0	23	23.0	---
9	23.0	25.0	24	23.0	---
10	24.0	25.0	25	23.0	---
11	24.0	25.0	26	23.0	---
12	24.0	25.0	27	22.0	---
13	24.0	25.0	28	---	---
14	24.0	25.0	29	---	---
15	19.0	---	30	24.0	---
			31	23.0	---

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

DAY	OCT	NOV	DAY	OCT	NOV
1	2800	1700	16	600	---
2	3800	2400	17	550	---
3	2600	3100	18	500	---
4	2600	3600	19	750	---
5	2800	3800	20	350	---
6	2600	4200	21	650	---
7	2600	650	22	500	---
8	2600	700	23	550	---
9	2600	850	24	600	---
10	2900	1200	25	650	---
11	2900	1000	26	450	---
12	4900	1400	27	400	---
13	700	950	28	---	---
14	500	1000	29	---	---
15	600	---	30	1800	---
			31	1600	---

07381327 HOUMA NAVIGATION CANAL AT CROZIER, LA (CE 76343)

LOCATION.--Lat 29°32'22", long 90°42'16", in lot 15, T.8 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, on right bank of canal, 0.8 mi (1.3 km) east of Crozier.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1966, 1975, October 1976 to current year (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978.
CHLORIDE: October 1974 to September 1975, October 1976 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
CHLORIDE (water year 1975); Maximum daily, 6,300 mg/L Nov. 2, 1974; minimum daily, 20 mg/L Aug. 11, 1975.

EXTREMES FOR CURRENT YEAR:
CHLORIDE: Maximum daily, 280 mg/L Oct. 13, 15, 17; minimum daily, 45 mg/L Oct. 7.

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

DAY	OCT
1	---
2	92
3	74
4	100
5	50
6	47
7	45
8	46
9	52
10	64
11	68
12	66
13	280
14	260
15	280
16	260
17	280
18	76
19	62
20	66
21	60
22	68
23	62
24	58
25	65
26	220
27	62
28	56
29	57
30	110
31	---

292345090504500 LAKE DE CADE NEAR THERIOT, LA (CE 91905)

LOCATION.--Lat 29°23'45", long 90°50'45", in SW¼NE¼ sec.29, T.19 S., R.16 E., Terrebonne Parish, Hydrologic Unit 08090302, 7.3 mi (11.8 km) southwest of Theriot.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	1030	4250	8.2	30	10	<1.0	7.8	83	2.7	760	K16	480
NOV												
21...	1020	9050	8.1	50	15	<1.0	9.2	93	2.7	1500	K56	1000
DEC												
19...	1130	4390	7.8	30	20	<1.0	9.1	160	2.6	310	K30	500
JAN												
29...	1020	1110	7.8	30	65	<1.0	--	65	1.6	1600	K20	180

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	380	55	83	670	74	13	25	125	0	103	180	1200
NOV												
21...	910	95	190	1500	75	20	59	138	0	110	400	2700
DEC												
19...	400	56	88	710	74	14	32	117	0	96	200	1200
JAN												
29...	110	30	25	190	68	6.2	10	88	0	72	53	320

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
OCT											
31...	31	.00	.01	.01	1.2	.08	1	0	1	0	0
NOV											
21...	23	.00	.01	.01	.76	.08	1	1	0	0	0
DEC											
19...	13	.12	.01	.13	.63	.07	1	0	1	10	0
JAN											
29...	76	.36	.06	.42	.59	.11	1	0	1	10	9

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
31...	0	0	0	0	0	0	3	1	2	10	3
NOV											
21...	0	0	0	0	20	0	8	7	1	10	3
DEC											
19...	10	0	0	0	0	0	3	0	3	30	3
JAN											
29...	1	1	0	1	10	0	4	2	2	20	7

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

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

292345090504500 LAKE DE CADE NEAR THERIOT, LA (CE 91905)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT 31...	3	0	.0	.0	.0	3	3	0	0	0	0	10
NOV 21...	3	0	.0	.0	.0	2	2	0	1	0	1	40
DEC 19...	1	2	.0	.0	.0	0	0	0	1	1	0	20
JAN 29...	7	0	.0	.0	.0	5	4	1	1	0	1	20

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 31...	0	10	9.9	.00	1	0	.0	.00	.000	.0	.000	.001
NOV 21...	20	20	11	.00	0	0	.0	.00	.000	.0	.000	.000
DEC 19...	10	10	11	.00	1	0	.0	--	.000	.0	.000	.000
JAN 29...	20	4	9.0	.00	0	2	.0	--	.000	.0	.000	.000

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)
OCT 31...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 21...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 29...	.001	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 31...	.00	.00	.00	.00	.0	.00	.21	.00	.04	38.9	.000
NOV 21...	.00	.00	.00	.00	.0	.00	.28	.00	.03	22.0	1.05
DEC 19...	.00	.00	.00	.00	.0	.00	.00	.00	.02	22.6	.000
JAN 29...	.00	.00	.00	.00	.0	.00	.00	.00	.02	8.14	.000

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)

LOCATION.--Lat 29°53'40", long 91°26'46", T.13 S., R.10 E., St. Mary Parish, Hydrologic Unit 08080101, at mile 95.4 (153.5 km), 5.0 mi (8.0 km) east of Charenton.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	1215	522	8.2	10	20	<1.0	8.0	21	.2	10000	K52	190
NOV												
21...	1215	634	8.0	20	10	<1.0	8.8	24	1.1	K2200	K20	190
DEC												
19...	1250	312	7.5	40	85	<1.0	--	81	--	K3600	470	110
JAN												
29...	1220	198	7.5	80	230	<1.0	--	59	1.7	3600	120	69
FEB												
26...	1340	178	7.4	100	130	<1.0	9.2	42	1.0	K4000	K180	58
MAR												
16...	1310	303	7.3	60	170	<1.0	9.4	24	1.6	420	K60	93
APR												
17...	1115	244	7.3	80	95	<1.0	6.3	23	.8	K110	K20	95
JUL												
19...	1140	394	7.1	20	80	<1.0	5.7	16	.6	88	K28	130
SEP												
05...	1435	435	7.9	20	45	<1.0	6.9	13	.2	K12	K10	160

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	51	50	15	32	27	1.0	3.8	169	0	139	79	32
NOV												
21...	51	50	17	47	34	1.5	4.0	175	0	140	88	55
DEC												
19...	39	31	8.0	19	27	.8	3.2	87	0	71	43	24
JAN												
29...	26	20	4.7	12	26	.6	2.6	53	0	43	21	21
FEB												
26...	15	16	4.4	11	28	.6	2.5	52	0	43	11	24
MAR												
16...	38	26	6.9	23	34	1.0	2.9	68	0	56	32	36
APR												
17...	28	26	7.2	11	20	.5	2.7	81	0	66	28	17
JUL												
19...	39	32	11	31	34	1.2	3.5	105	0	86	45	47
SEP												
05...	38	43	13	25	33	.8	3.6	150	0	123	61	31

< 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).

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--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 31...	23	1.2	.01	1.2	.78	.13	2	0	2	0	0
NOV 21...	5	.94	.01	.95	.64	.11	2	0	2	1	0
DEC 19...	67	.91	.01	.92	.53	.20	3	2	1	0	0
JAN 29...	248	.53	.08	.61	1.1	.39	3	2	1	0	0
FEB 26...	126	.27	.08	.35	1.2	.18	2	1	1	10	0
MAR 16...	230	.79	.10	.89	.50	.24	3	2	1	0	0
APR 17...	198	1.2	.06	1.3	.57	.21	2	1	1	1	0
JUL 19...	125	1.1	.02	1.1	.62	.17	2	1	1	1	0
SEP 05...	8	1.2	.00	1.2	.71	.19	3	1	2	0	0

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)
OCT 31...	0	1	1	0	0	0	5	3	2	10	4
NOV 21...	1	1	0	1	0	0	4	3	1	0	4
DEC 19...	0	1	1	0	10	0	160	160	3	50	16
JAN 29...	0	1	0	1	20	0	12	8	4	110	8
FEB 26...	10	0	0	0	20	0	9	4	5	120	6
MAR 16...	0	0	0	0	10	0	11	11	0	90	16
APR 17...	1	1	0	1	10	0	3	0	3	30	14
JUL 19...	1	1	0	1	10	0	4	3	1	40	6
SEP 05...	0	0	0	0	10	0	6	0	6	10	2

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--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 (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 31...	4	0	.0	.0	.0	5	5	0	1	0	1	.0
NOV 21...	4	0	.0	.0	.0	4	4	0	1	0	1	.0
DEC 19...	15	1	.0	.0	.0	22	19	3	0	0	0	.0
JAN 29...	8	0	.0	.0	.0	11	10	1	0	0	0	.7
FEB 26...	6	0	.0	.0	.0	9	7	2	0	0	0	.2
MAR 16...	16	0	.0	.0	.0	13	13	0	1	1	0	.4
APR 17...	10	4	.1	.1	.0	10	8	2	1	1	0	.1
JUL 19...	6	0	.1	.0	.1	6	3	3	1	1	0	1.0
SEP 05...	2	0	.1	.1	.0	2	2	0	1	0	1	1.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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...	10	0	10	4.3	.00	1	0	--	--	--	--	--
NOV 21...	20	20	3	4.6	.00	8	0	.0	.00	.000	.0	.000
DEC 19...	60	50	10	5.5	.00	2	0	.0	--	.000	.0	.000
JAN 29...	50	50	0	10	.00	1	0	.0	--	.000	.0	.000
FEB 26...	20	10	10	9.6	.00	0	0	.0	--	.000	.0	.000
MAR 16...	40	40	0	8.3	.00	2	--	.0	--	.000	.0	.000
APR 17...	30	30	3	7.5	.00	3	0	.0	.00	.000	.0	.000
JUL 19...	60	60	3	7.8	.00	2	0	.0	.00	.000	.0	.000
SEP 05...	0	0	0	--	.00	0	0	.0	.00	.000	.0	.000

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--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 31...	--	--	--	--	--	--	--	--	--	--	--	--
NOV 21...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.001	.00	.00
DEC 19...	.000	.003	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00
JAN 29...	.000	.019	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 26...	.001	.008	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
MAR 16...	.000	.003	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
APR 17...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 19...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
SEP 05...	.000	.003	.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)
OCT 31...	--	--	--	--	--	--	--	.02	.00	.01	6.15	.000
NOV 21...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.60	.345
DEC 19...	.00	.00	.00	.00	.00	.0	.00	.06	.01	.00	.000	.000
JAN 29...	.00	.00	.00	.00	.00	.0	.00	--	--	--	.000	.000
FEB 26...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.44	.000
MAR 16...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	.000	.000
APR 17...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	.000	.000
JUL 19...	.00	.00	.00	.00	.00	.0	.00	--	--	--	4.87	.000
SEP 05...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	10.6	.000

07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in lot 56, T.15 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101, at Southern Pacific Transportation Co. railroad bridge, 160 ft (50 m) downstream from State Highway 90, 0.4 mi (0.6 km) downstream from Bayou Teche, 0.5 mi (0.8 km) west of Calumet, and 9.8 mi (15.8 km) west of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to June 1975 (discharge measurements only), October 1976 to current year (elevations and discharge measurements only). Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.32 ft (2.231 m) May 4, 1979; minimum, -0.96 ft (-0.293 m) Nov. 29, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation , 7.32 ft (2.231 m) May 4; minimum not determined.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)
Oct. 11, 1978.....	28,200	Feb. 28.....	107,000	Apr. 26.....	204,000	June 20.....	129,000
Nov. 1.....	38,500	Mar. 14.....	155,000	May 2.....	211,000	July 3.....	96,000
Nov. 15.....	33,000	Mar. 27.....	175,000	May 10.....	209,000	July 18.....	80,200
Dec. 13.....	85,500	Apr. 4.....	180,000	May 16.....	196,000	Aug. 1.....	75,000
Jan. 10, 1979.....	111,000	Apr. 10.....	183,000	May 24.....	176,000	Aug. 15.....	88,200
Jan. 23.....	118,000	Apr. 18.....	190,000	June 7.....	142,000	Sept. 5.....	74,000
Feb. 14.....	125,000						

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	2.17	1.51	1.47	3.79	3.57	3.17	---	7.09	5.49	2.99	2.54	2.74
2	2.04	.86	2.12	2.82	3.82	3.56	---	7.17	5.30	2.95	2.52	2.78
3	1.96	1.61	2.31	2.70	3.91	3.87	---	7.22	5.20	2.92	2.63	2.87
4	2.04	1.18	1.68	2.78	3.84	3.62	---	7.26	5.07	3.04	2.57	2.78
5	2.34	1.45	1.68	2.83	4.01	3.47	5.93	7.20	4.97	3.08	2.72	2.73
6	1.67	2.27	1.89	2.56	4.40	3.76	6.02	7.08	4.96	3.02	2.79	2.50
7	1.77	1.15	2.06	3.05	4.57	3.97	6.13	7.05	5.00	3.10	2.96	2.74
8	1.34	1.12	1.97	2.37	4.14	3.93	6.16	7.07	5.04	2.97	3.10	2.76
9	1.77	1.13	1.12	2.44	4.13	4.12	6.23	7.07	4.94	3.11	3.18	2.50
10	1.63	1.28	.94	2.75	3.98	4.35	6.18	7.09	4.92	3.17	3.27	2.73
11	2.07	1.31	1.51	2.86	3.95	4.34	6.50	7.05	4.65	2.21	3.23	2.94
12	1.99	.85	1.35	3.05	3.92	4.42	6.58	7.00	4.66	3.03	2.95	3.23
13	2.04	.97	1.82	3.48	3.76	4.61	6.50	6.84	4.74	2.89	2.84	3.44
14	.26	1.15	1.85	3.09	3.68	4.79	6.29	6.66	4.64	2.98	2.94	3.14
15	.91	1.11	2.29	2.91	3.53	4.65	6.26	6.60	4.57	2.93	2.83	2.31
16	1.54	1.37	2.55	3.17	3.31	4.97	6.24	6.53	4.50	2.56	2.75	2.24
17	.77	1.67	2.06	3.27	2.94	5.05	6.28	6.44	4.50	2.35	2.99	2.84
18	1.49	.60	2.71	3.23	2.65	5.24	6.20	6.34	4.45	2.62	2.83	2.97
19	1.60	1.02	2.75	3.39	2.48	5.38	6.27	6.33	4.41	2.75	2.88	2.78
20	1.60	1.45	2.97	3.73	2.58	5.45	6.29	6.23	4.35	2.82	2.78	3.93
21	1.79	1.02	2.94	3.58	2.64	5.44	6.45	6.15	4.33	2.80	2.75	3.02
22	1.72	1.52	2.72	3.26	2.60	5.56	7.01	6.16	4.29	2.72	2.64	2.24
23	1.57	1.44	2.88	3.57	2.52	5.80	7.02	6.29	4.21	3.37	2.85	2.44
24	1.50	1.18	3.21	3.63	2.77	5.67	6.96	6.00	4.15	4.95	2.67	2.42
25	1.89	.96	2.77	3.37	2.99	5.59	7.02	5.80	3.95	4.38	2.92	2.51
26	1.71	1.51	3.08	3.74	2.49	5.62	7.11	5.78	3.66	3.99	2.59	3.03
27	1.05	1.58	2.98	3.71	2.90	5.78	7.08	5.74	3.60	3.79	2.53	3.15
28	.90	.72	3.09	3.44	3.14	5.81	7.09	5.63	3.39	3.52	2.48	3.26
29	.99	1.38	3.34	3.56	---	5.96	7.08	5.57	3.36	2.95	2.57	3.07
30	.98	1.33	3.47	3.72	---	6.03	7.12	5.76	3.10	2.72	2.73	2.90
31	1.21	---	3.58	3.49	---	---	---	5.85	---	2.58	2.92	---
MEAN	1.56	1.24	2.36	3.20	3.40	---	---	6.52	4.48	3.07	2.80	2.83
MAX	2.34	2.27	3.58	3.79	4.57	---	7.12	7.26	5.49	4.95	3.27	3.93
MIN	.26	.60	.94	2.37	2.48	3.17	---	5.57	3.10	2.21	2.48	2.24

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1959-60, 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

REMARKS.--Corps of Engineers station 03720. Samples are collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 20, 1978; minimum daily, 2.5°C Feb. 10, 11, 1978.
CHLORIDE: Maximum daily, 150 mg/L June 13, 14, 1977; minimum daily, 9.1 mg/L Apr. 15, 1976.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 29.0°C several days during August and September.
CHLORIDE: Maximum daily, 88 mg/L Nov. 23; minimum daily, 14 mg/L Dec. 30, Jan. 5, 24, Feb. 8, 11, 12, Apr. 13, 17, 18.

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)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED, (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT 11...	1030	456	7.6	24.0	30	75	<1.0	7.8	32	1.0	140	K60
NOV 15...	1030	548	7.8	24.0	5	15	<1.0	9.1	9	2.0	120	K20
DEC 13...	1000	374	7.4	10.0	30	160	<1.0	9.2	--	.6	8000	250
JAN 10...	0900	258	7.4	5.5	60	170	<1.0	12.4	39	3.6	4800	--
FEB 14...	0900	180	7.1	5.5	70	90	<1.0	11.2	30	2.4	200	K80
MAR 14...	1000	212	7.2	11.0	100	180	<1.0	9.3	30	1.9	1400	35
APR 18...	0900	241	7.6	19.0	60	85	<1.0	7.5	26	1.8	K50	K15
MAY 10...	1000	265	6.7	21.5	70	70	<1.0	6.4	43	.7	K30	K25
JUN 20...	1000	292	7.3	27.0	40	75	<1.0	5.7	34	--	K60	K80
JUL 03...	0900	367	7.0	27.5	40	80	<1.0	5.9	30	.8	3400	1600
AUG 15...	1000	349	7.2	29.0	20	80	<1.0	6.0	30	.2	K150	K80
SEP 27...	1115	363	7.5	24.0	15	70	<1.0	7.1	20	2.5	280	K12

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L 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)
OCT 11...	150	36	39	13	30	30	1.1	3.9	140	0	110	58
NOV 15...	210	53	43	24	36	27	1.1	4.0	189	0	160	96
DEC 13...	120	42	34	9.5	24	29	.9	3.2	100	0	82	49
JAN 10...	78	18	21	6.2	15	29	.7	2.7	73	0	60	29
FEB 14...	61	17	17	4.6	9.9	25	.6	2.2	54	0	44	22
MAR 14...	76	24	22	5.2	11	23	.5	2.4	64	0	52	27
APR 18...	96	29	27	6.9	9.8	18	.4	2.9	81	0	66	26
MAY 10...	98	24	27	7.5	12	20	.5	2.6	90	0	74	30
JUN 20...	87	25	24	6.6	18	30	.8	2.5	76	0	62	31
JUL 03...	110	32	28	8.5	27	35	1.1	3.0	89	0	73	35
AUG 15...	130	38	35	9.9	20	25	.8	3.3	110	0	90	47
SEP 27...	130	32	34	11	18	23	.7	3.3	120	0	98	43

< 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).

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS, (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV, (UG/L AS BE)
OCT												
11...	33	127	.99	.01	1.0	.77	.17	3	1	2	1	0
NOV												
15...	32	26	.96	.01	.97	.36	.11	2	0	2	1	0
DEC												
13...	27	294	.99	.01	1.0	.64	.14	4	3	1	10	10
JAN												
10...	19	240	.82	.06	.88	.69	.30	3	2	1	0	0
FEB												
14...	14	168	.48	.06	.54	.43	.22	2	1	1	0	0
MAR												
14...	13	466	.61	.10	.71	.36	.28	3	1	2	0	0
APR												
18...	17	218	1.2	.08	1.3	.43	.22	3	2	1	0	0
MAY												
10...	15	129	1.3	.02	1.3	.53	.16	2	1	1	0	0
JUN												
20...	25	158	.49	.04	.53	.01	.21	3	2	1	1	0
JUL												
03...	36	200	.69	.04	.73	.89	.22	3	2	1	1	0
AUG												
15...	20	230	.98	.02	1.0	.69	.44	3	2	1	0	--
SEP												
27...	23	116	1.2	.02	1.2	.78	.22	3	1	2	1	0

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT											
11...	1	3	0	3	0	0	76	65	11	0	15
NOV											
15...	1	1	0	1	10	0	6	2	4	240	6
DEC											
13...	0	2	1	1	40	0	27	15	12	20	12
JAN											
10...	0	2	2	0	0	0	44	32	12	50	23
FEB											
14...	0	0	0	0	20	0	21	15	6	60	23
MAR											
14...	0	1	1	0	20	0	34	34	0	60	29
APR											
18...	0	0	0	0	10	0	24	18	6	10	20
MAY											
10...	0	1	1	0	10	0	13	8	5	40	6
JUN											
20...	1	1	0	1	10	0	9	6	3	30	27
JUL											
03...	1	23	16	7	0	0	100	92	8	30	38
AUG											
15...	--	27	--	--	20	0	46	39	7	100	23
SEP											
27...	1	1	0	1	10	0	9	8	1	10	37

07381590 WAX LAKE OUTLET AT CALUMET, LA--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 (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 11...	15	0	.0	.0	.0	7	4	3	1	1	0	.0
NOV 15...	5	1	.0	.0	.0	4	0	4	1	0	1	.0
DEC 13...	10	2	.0	.0	.0	17	15	2	1	1	0	.1
JAN 10...	20	3	.0	.0	.0	11	7	4	0	0	0	.3
FEB 14...	23	0	.1	.0	.1	7	7	0	0	0	0	.1
MAR 14...	29	0	.0	.0	.0	15	13	2	0	0	0	.3
APR 18...	20	0	.1	.1	.0	12	12	0	0	0	0	.1
MAY 10...	6	0	1.9	1.9	.0	9	9	0	1	0	1	.0
JUN 20...	27	0	.1	.0	.1	8	4	4	0	0	0	.0
JUL 03...	38	0	.1	.1	.0	13	11	2	0	0	0	.0
AUG 15...	23	0	.2	.2	.0	10	9	1	1	1	0	1.0
SEP 27...	37	0	.1	.1	.0	3	3	0	0	0	0	1.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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 11...	40	30	8	8.7	.00	4	1	.0	.00	.000	.0	.000
NOV 15...	20	10	8	5.4	.00	7	0	.0	.00	.000	.0	.000
DEC 13...	50	30	20	8.9	.00	2	0	.0	.00	.000	.0	.000
JAN 10...	80	70	10	9.5	.00	4	0	.0	--	.000	.0	.000
FEB 14...	30	20	10	9.9	.00	1	0	.0	--	.000	.0	.000
MAR 14...	60	50	10	11	.00	5	0	.0	--	.000	.0	.000
APR 18...	50	40	10	9.9	.00	2	--	.0	.00	.000	.0	.000
MAY 10...	50	20	30	7.8	.00	0	--	--	--	--	--	--
JUN 20...	30	30	3	11	.00	0	0	.0	.00	.000	.0	.000
JUL 03...	80	70	6	--	.00	1	0	.0	.00	.000	.0	.000
AUG 15...	40	--	--	8.5	.00	1	6	.0	.00	.000	.0	.000
SEP 27...	--	--	50	13	.00	2	--	--	--	--	--	--

07381590 WAX LAKE OUTLET AT CALUMET, 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)
OCT 11...	.000	.000	.01	.002	.000	.000	.00	.000	.001	.000	.00	.00
NOV 15...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC 13...	.000	.004	.01	.003	.000	.001	.00	.000	.000	.000	.00	.00
JAN 10...	.005	.010	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 14...	.004	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 14...	.000	.000	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00
APR 18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY 10...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 20...	.000	.000	.00	.003	.000	.000	.00	.000	.000	.000	.00	.00
JUL 03...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 15...	.000	.000	.03	.003	.000	.000	.00	.000	.000	.000	.00	.00
SEP 27...	--	--	--	--	--	--	--	--	--	--	--	--

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 11...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.00	12.9	.000
NOV 15...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.92	.380
DEC 13...	.00	.00	.00	.00	.00	.0	.00	.03	.02	.00	.090	.000
JAN 10...	.00	.00	.00	.00	.00	.0	.00	.03	.02	.00	1.75	.000
FEB 14...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	1.67	.000
MAR 14...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.29	.000
APR 18...	.00	.00	.00	.00	.00	.0	.00	.05	.01	.00	1.63	.000
MAY 10...	--	--	--	--	--	--	--	--	--	--	1.84	.000
JUN 20...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	6.16	.000
JUL 03...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	3.47	.000
AUG 15...	.00	.00	.00	.00	.00	.0	.00	.01	.02	.00	2.69	.000
SEP 27...	--	--	--	--	--	--	--	--	--	--	3.94	.000

07381590 WAX LAKE OUTLET AT CALUMET, 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	27.0	20.5	15.5	8.0	5.0	---	14.0	---	24.0	---	28.0	29.0
2	27.0	20.0	15.5	8.0	5.0	---	14.0	---	24.0	---	28.0	29.0
3	27.0	20.0	15.5	8.0	5.0	---	15.0	---	24.0	---	28.0	29.0
4	27.0	20.0	15.5	8.0	---	---	16.0	20.0	24.0	---	28.0	29.0
5	27.0	20.0	14.5	8.0	5.0	---	16.0	20.0	24.0	---	29.0	29.0
6	27.0	20.0	14.5	8.0	5.0	---	16.0	21.0	24.0	---	29.0	29.0
7	25.5	20.0	14.5	8.0	5.0	10.0	16.0	21.0	24.0	---	29.0	29.0
8	25.5	18.5	14.5	---	4.0	10.0	16.0	21.0	25.0	---	29.0	29.0
9	24.0	18.5	14.5	7.0	4.0	10.0	16.0	21.0	25.0	---	29.0	28.0
10	24.0	18.5	14.5	7.0	4.0	10.0	16.0	21.0	25.0	---	---	28.0
11	24.0	18.5	14.5	7.0	4.0	10.0	16.0	21.0	25.0	---	---	28.0
12	24.0	18.5	14.5	7.0	4.0	10.5	16.0	22.0	26.0	---	---	28.0
13	24.0	18.5	14.0	7.0	5.0	10.5	16.0	21.0	26.0	28.0	---	---
14	24.0	19.5	14.0	---	6.0	10.5	16.0	21.0	26.0	28.0	---	---
15	23.0	20.0	14.0	4.0	7.0	10.5	17.0	---	26.0	28.0	---	---
16	23.0	20.0	14.0	4.0	7.0	10.5	17.0	---	27.0	28.0	---	---
17	23.0	20.0	14.0	4.0	7.0	10.5	17.0	---	27.0	28.0	---	---
18	22.0	19.5	14.0	4.0	7.0	10.5	17.0	---	27.0	28.0	---	25.5
19	22.0	19.0	9.0	4.0	7.0	---	17.0	---	27.0	28.0	---	25.5
20	22.0	19.0	9.0	4.0	8.0	---	17.0	---	27.0	28.0	---	24.5
21	22.0	19.0	9.0	4.0	8.5	---	17.0	---	27.0	28.0	---	24.5
22	22.0	19.0	8.0	4.0	8.0	---	---	---	27.0	28.0	---	24.5
23	21.5	20.0	8.0	4.0	8.0	---	17.0	---	27.0	28.0	---	24.5
24	21.5	20.0	8.0	4.0	8.0	---	---	---	27.0	28.0	---	24.5
25	21.5	20.0	---	4.0	8.0	---	---	21.0	27.0	28.0	---	24.5
26	20.5	20.0	8.0	5.0	9.0	---	---	21.0	---	28.0	---	24.5
27	20.5	20.0	8.0	5.0	9.0	---	---	21.0	---	28.0	---	24.5
28	20.5	20.0	8.0	5.0	9.0	---	---	---	---	28.0	29.0	24.5
29	20.5	20.0	8.0	5.0	---	---	---	---	---	28.0	29.0	24.5
30	20.5	20.0	8.0	5.0	---	---	---	---	---	28.0	29.0	24.5
31	20.5	---	8.0	5.0	---	---	---	---	---	28.0	29.0	---
MONTH	23.5	19.5	12.0	5.5	6.5	---	---	---	25.5	---	---	26.5

07381590 WAX LAKE OUTLET AT CALUMET, LA--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	32	34	42	---	20	---	20	---	24	48	30	26
2	34	36	38	16	28	---	20	---	20	42	32	28
3	26	48	44	18	18	---	26	16	20	40	32	20
4	30	44	34	---	---	---	---	20	22	38	32	21
5	30	32	40	14	16	---	24	22	20	46	36	22
6	30	36	30	22	20	---	18	16	22	38	42	26
7	27	38	38	40	16	20	20	16	26	38	42	24
8	31	44	34	---	14	18	24	20	24	40	36	24
9	32	38	36	22	16	18	24	18	24	42	32	24
10	31	34	32	24	18	18	16	22	28	36	---	22
11	30	32	32	28	14	34	18	18	30	---	---	23
12	32	32	30	20	14	18	30	20	26	40	---	24
13	31	38	28	20	16	16	14	24	26	38	---	---
14	32	34	32	---	18	18	24	---	22	36	---	---
15	31	34	26	22	26	20	20	18	28	---	---	---
16	36	32	26	20	16	18	16	18	28	38	26	---
17	36	36	30	16	34	18	14	18	24	34	26	---
18	33	38	28	16	16	18	14	18	24	36	28	24
19	34	44	32	24	20	---	16	18	26	38	24	28
20	39	64	---	18	20	---	16	18	30	40	34	30
21	34	38	16	30	20	---	16	18	30	38	30	24
22	38	48	18	18	16	---	---	18	32	38	24	36
23	34	88	18	20	18	---	16	16	54	32	22	38
24	38	54	22	14	18	---	---	16	24	38	24	30
25	36	54	---	18	20	---	---	18	52	28	30	32
26	29	50	16	30	16	---	---	14	52	32	26	30
27	34	84	18	20	18	---	---	20	46	36	24	36
28	36	58	18	28	18	---	---	16	42	34	30	28
29	31	40	16	18	---	---	---	18	46	36	24	28
30	31	38	14	30	---	---	---	24	44	32	24	24
31	32	---	---	18	---	---	---	---	---	34	24	---
MONTH	33	44	28	22	19	---	---	18	31	37	29	27

YEAR MAX 88 MIN 6.0 MEAN 28

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA

LOCATION.--Lat 29°41'47", long 91°12'39", on line between lots 1 and 6, St. Mary Parish, Hydrologic Unit 08080101, at Southern Pacific Transportation Co. railroad bridge, 0.3 mi (0.5 km) downstream from U.S. Highway 90, 0.3 mi (0.5 km) upstream from Bayou Boeuf, and 1.0 mi (1.6 km) southwest of Morgan City High School.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1975 (discharge measurements only), October 1976 to current year (elevations and discharge measurements only). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district, and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Discharge and elevations affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.71 ft (2.045 m) May 4, 1979; minimum, -0.94 ft (-0.286 m) Nov. 29, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.71 ft (2.045 m) May 4; minimum, -0.03 ft (-0.009 m) Nov. 18.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)
Oct. 11, 1978	71,400	Feb. 28	164,000	Apr. 26	391,000	June 20	203,000
Nov. 1	44,500	Mar. 14	265,000	May 2	440,000	July 3	151,000
Nov. 15	38,700	Mar. 27	341,000	May 10	405,000	July 18	120,000
Dec. 13	142,000	Apr. 4	333,000	May 16	367,000	Aug. 1	107,000
Jan. 10, 1979	199,000	Apr. 10	342,000	May 24	320,000	Aug. 15	136,000
Jan. 23	201,000	Apr. 18	365,000	June 7	237,000	Sept. 5	109,000
Feb. 14	212,000						

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	2.22	1.97	1.53	3.31	3.15	2.61	5.13	6.45	5.03	2.77	2.36	2.56
2	2.13	1.09	2.03	2.56	3.38	2.79	5.30	6.52	4.86	2.72	2.33	2.58
3	2.11	1.18	2.23	2.42	3.44	3.06	5.25	6.59	4.77	2.61	2.37	2.74
4	2.08	1.34	1.76	2.46	3.40	2.96	5.29	6.65	4.64	2.68	2.34	2.59
5	2.34	1.47	1.59	2.46	3.55	2.88	5.13	6.56	4.58	2.71	2.43	2.56
6	1.64	2.14	1.77	2.29	3.81	3.08	5.27	6.48	4.56	2.64	2.49	2.32
7	1.39	1.25	1.78	2.66	4.12	3.29	5.32	6.53	4.65	2.70	2.00	2.51
8	1.27	.87	1.68	2.11	3.73	3.32	5.41	6.54	4.67	2.59	2.69	2.49
9	1.76	.89	1.14	2.14	3.69	3.44	5.45	6.54	4.56	2.72	2.70	2.19
10	1.62	1.05	.73	2.39	3.62	3.62	5.45	6.53	4.57	2.85	2.76	2.39
11	2.05	1.19	1.30	2.49	3.61	3.62	5.76	6.48	4.22	2.19	2.64	2.59
12	1.97	.80	1.08	2.63	3.59	3.70	5.84	6.43	4.28	2.72	2.52	2.87
13	2.07	.85	1.46	3.06	3.51	3.86	5.82	6.26	4.37	2.59	2.35	3.14
14	.42	1.11	1.44	2.79	3.40	3.99	5.53	6.10	4.28	2.69	2.33	2.91
15	1.90	1.04	1.84	2.54	3.16	3.82	5.54	6.03	4.25	2.64	2.42	2.16
16	1.98	1.32	2.05	2.71	2.93	4.16	5.53	5.95	4.16	2.40	2.39	1.96
17	1.63	1.69	1.77	2.87	2.55	4.16	5.49	5.84	4.16	2.18	2.62	2.70
18	1.74	.58	2.25	2.87	2.35	4.32	5.47	5.74	4.12	2.37	2.54	2.83
19	1.97	1.08	2.31	2.91	2.06	4.47	5.52	5.74	4.12	2.47	2.61	2.61
20	1.97	1.55	2.46	3.24	2.19	4.43	5.52	5.67	4.00	2.59	2.54	3.40
21	1.97	1.00	2.51	3.34	2.29	4.43	5.69	5.60	3.97	2.56	2.48	3.02
22	1.96	1.37	2.27	2.87	2.28	4.54	6.26	5.60	3.92	2.47	2.39	2.27
23	1.97	1.41	2.38	3.08	2.25	4.79	6.29	5.79	3.86	3.00	2.52	2.22
24	1.97	1.10	2.71	3.27	2.44	4.68	6.34	5.46	3.79	4.21	2.39	2.23
25	1.98	.97	2.38	2.99	2.78	4.69	6.39	5.25	3.61	4.02	2.56	2.20
26	1.98	1.33	2.63	3.28	2.17	4.64	6.54	5.25	3.37	3.66	2.30	2.56
27	1.98	1.60	2.56	3.27	2.39	4.82	6.47	5.19	3.29	3.37	2.26	2.75
28	1.88	.76	2.63	3.10	2.54	5.02	6.41	5.11	3.12	3.29	2.20	2.88
29	1.97	1.36	2.87	3.17	---	5.13	6.46	4.98	3.09	2.78	2.38	2.72
30	1.98	1.45	3.03	3.29	---	5.21	6.47	5.07	2.89	2.52	2.50	2.55
31	1.98	---	3.14	3.17	---	5.17	---	5.33	---	2.43	2.70	---
MEAN	1.87	1.23	2.04	2.83	3.01	4.02	5.74	5.94	4.13	2.78	2.46	2.58
MAX	2.34	2.14	3.14	3.34	4.12	5.21	6.54	6.65	5.03	4.21	2.76	3.40
MIN	.42	.58	.73	2.11	2.06	2.61	5.13	4.98	2.89	2.18	2.00	1.96

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1978 to September 1979.
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. Corps of Engineers station 03780.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 611 micromhos Oct. 19, Nov. 25, 1978; minimum daily, 179 micromhos Feb. 23, 1979.
WATER TEMPERATURES: Maximum daily, 32.0°C July 28, 1977; minimum daily, 4.0°C Jan. 2-9, 10, 11, 1978.
CHLORIDE: Maximum daily, 160 mg/L June 14, 15, 16, 1977; minimum daily, 11 mg/L Jan. 6, May 11, 1976.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 29.0°C July 24, 25, Aug. 2, 3, 5, 6, 7, 9-13; minimum daily, 5.0°C Jan. 15, 16.
CHLORIDE: Maximum daily, 58 mg/L Nov. 19, 27, 28; minimum daily, 14 mg/L Dec. 26-31, Mar. 20, Apr. 27, 28, May 1, 2, 20, 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)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT												
11...	1400	453	7.6	24.5	20	80	<1.0	8.1	32	.9	K240	K45
NOV												
15...	1400	551	7.9	19.0	10	15	<1.0	9.6	10	2.1	K45	K20
DEC												
13...	1400	383	7.7	10.0	50	160	<1.0	10.0	44	1.4	410	240
JAN												
10...	1230	264	7.5	5.0	50	170	<1.0	12.4	39	3.7	K3000	K600
FEB												
14...	1300	182	7.1	7.0	60	65	<1.0	11.0	25	2.5	K150	K100
MAR												
14...	1200	214	7.3	13.5	80	190	<1.0	8.9	30	1.2	4200	K10
APR												
18...	1300	241	7.6	17.5	50	90	<1.0	7.4	26	.3	K50	K25
MAY												
10...	1400	269	7.3	22.0	70	75	<1.0	6.9	25	.5	K260	K75
JUN												
20...	1300	294	7.5	27.5	40	70	<1.0	7.1	30	--	K140	K10
JUL												
03...	1200	369	7.1	28.5	30	75	<1.0	6.0	--	1.7	K7000	4400
AUG												
15...	1300	355	7.4	29.5	20	40	<1.0	6.3	96	.3	K550	150
SEP												
27...	1230	366	7.6	24.0	10	55	<1.0	7.0	23	1.2	600	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
11...	K3000	150	38	39	13	30	30	1.1	4.0	138	0	113
NOV												
15...	K40	190	52	49	16	38	30	1.2	4.2	166	0	140
DEC												
13...	820	120	36	34	9.6	24	29	.9	3.2	108	0	89
JAN												
10...	K3200	81	25	22	6.4	14	28	.7	2.8	69	0	57
FEB												
14...	K360	61	19	17	4.6	11	27	.6	2.0	52	0	43
MAR												
14...	1000	80	21	21	6.7	10	21	.5	2.3	72	0	59
APR												
18...	--	96	29	27	6.9	10	18	.4	2.7	82	0	67
MAY												
10...	--	100	35	29	7.6	12	21	.5	2.8	84	0	69
JUN												
20...	K20	90	25	25	6.7	19	31	.9	2.4	79	0	65
JUL												
03...	240	110	34	29	8.6	27	35	1.1	2.7	90	0	74
AUG												
15...	K50	130	38	29	13	20	25	.8	3.1	110	0	90
SEP												
27...	300	130	29	34	11	18	23	.7	3.2	123	0	101

< 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).

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--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)	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, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)
OCT 11...	59	34	.4	81	.99	.01	1.0	.01	1.1	1.1	.30	.80
NOV 15...	87	36	.3	37	.91	.01	.92	.01	.60	.61	.05	.56
DEC 13...	50	27	.2	294	.99	.01	1.0	.03	.77	.80	.25	.55
JAN 10...	30	19	.1	308	.77	.06	.83	.08	.78	.86	.13	.73
FEB 14...	22	15	.1	127	.47	.06	.53	.09	.51	.60	.13	.47
MAR 14...	25	15	.1	312	.61	.10	.71	.11	.55	.66	.14	.52
APR 18...	26	17	.1	262	1.1	.06	1.2	.02	.89	.91	.50	.41
MAY 10...	32	16	.2	201	1.2	.06	1.3	.05	.70	.75	.15	.60
JUN 20...	30	27	.2	124	.48	.04	.52	.03	.67	.70	.69	.01
JUL 03...	37	35	--	196	.69	.04	.73	--	--	--	--	.81
AUG 15...	46	33	.2	260	.97	.02	.99	.00	1.2	1.2	.22	.98
SEP 27...	44	24	.2	69	1.1	.02	1.1	.08	.68	.76	.04	.72

DATE	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)
OCT 11...	2.1	9.3	.21	.09	4	3	1	100	30	70	1	0
NOV 15...	1.5	6.8	.11	.08	2	0	2	90	0	90	1	0
DEC 13...	1.8	8.0	.13	.06	5	4	1	100	100	0	0	0
JAN 10...	1.7	7.5	.33	.03	3	2	1	200	100	100	0	0
FEB 14...	1.1	5.0	.18	.03	2	1	1	100	0	100	0	0
MAR 14...	1.4	6.1	.28	.02	3	1	1	200	200	0	0	0
APR 18...	2.1	9.3	.19	.01	3	2	1	100	0	100	0	0
MAY 10...	2.1	9.1	.20	.04	3	2	1	200	200	0	0	0
JUN 20...	1.2	5.4	.21	.04	3	2	1	100	40	60	1	0
JUL 03...	--	--	.26	--	3	1	2	--	--	--	1	0
AUG 15...	2.2	9.7	.44	.06	7	6	1	600	--	--	0	--
SEP 27...	1.9	8.2	.13	.07	3	1	2	100	30	70	1	0

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
OCT 11...	1	2	0	2	0	--	0	0	3	0	3	20
NOV 15...	1	1	0	1	0	--	0	0	3	0	3	6
DEC 13...	0	2	1	1	30	--	10	0	4	2	2	31
JAN 10...	0	1	0	1	0	--	0	0	4	2	2	57
FEB 14...	0	0	0	0	10	--	0	0	1	1	0	12
MAR 14...	0	1	1	0	10	--	0	0	4	4	0	23
APR 18...	0	0	0	0	10	10	0	0	3	3	0	22
MAY 10...	0	2	1	1	10	10	0	0	4	2	2	13
JUN 20...	1	1	0	1	10	10	0	0	3	0	3	11
JUL 03...	1	12	11	1	10	--	--	0	--	--	--	23
AUG 15...	--	8	--	--	20	10	10	0	3	--	--	20
SEP 27...	1	1	0	1	30	30	0	0	3	0	3	26

DATE	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	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)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
OCT 11...	9	11	4100	4100	10	9	9	0	140	130	6	.0
NOV 15...	3	3	780	770	10	7	6	1	50	50	4	.0
DEC 13...	19	12	7900	7800	60	19	17	2	430	410	20	.0
JAN 10...	44	13	9100	9100	40	32	30	2	320	320	0	.0
FEB 14...	6	6	4200	4100	70	25	25	0	120	90	30	.1
MAR 14...	23	0	9300	9200	100	21	21	0	310	290	20	.1
APR 18...	16	6	6800	6800	40	51	51	0	240	200	40	.1
MAY 10...	9	4	6800	6800	10	13	13	0	240	200	40	.3
JUN 20...	7	4	5100	5100	30	53	53	0	200	190	9	.1
JUL 03...	21	2	--	--	30	22	22	0	--	--	--	.1
AUG 15...	13	7	660	580	80	14	14	0	320	320	0	.2
SEP 27...	23	3	1900	1900	10	46	46	0	90	90	1	.1

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	VANA-DIUM, DIS-SOLVED (UG/L AS V)
OCT 11...	.0	.0	6	0	6	1	1	0	0	0	0	.0
NOV 15...	.0	.0	3	2	1	1	0	1	0	0	0	.0
DEC 13...	.0	.0	15	14	1	1	1	0	5	5	0	.3
JAN 10...	.0	.0	12	6	6	0	0	0	0	0	0	.4
FEB 14...	.0	.1	7	7	0	0	0	0	0	0	0	.2
MAR 14...	.1	.0	11	11	0	1	0	1	0	0	0	.1
APR 18...	.1	.0	13	12	1	0	0	0	0	0	0	.0
MAY 10...	.3	.0	14	2	12	1	0	1	0	0	0	.0
JUN 20...	.0	.1	8	4	4	0	0	0	0	0	0	.0
JUL 03...	.1	.0	12	9	3	0	0	0	--	--	--	.0
AUG 15...	.2	.0	11	11	0	0	0	0	0	0	0	--
SEP 27...	.1	.0	6	6	0	0	0	0	0	--	--	1.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)
OCT 11...	40	30	10	7.8	--	--	.00	2	0	.0	.00	.000
NOV 15...	20	20	5	4.3	4.6	1.3	.00	4	0	.0	.00	.000
DEC 13...	70	50	20	7.5	--	--	.00	1	0	.0	.00	.000
JAN 10...	80	70	10	10	5.9	3.4	.00	1	12	.0	--	.000
FEB 14...	30	20	10	9.9	--	--	.00	7	0	.0	--	.000
MAR 14...	60	50	10	8.9	--	--	.00	2	0	.0	--	.000
APR 18...	50	30	20	10	--	--	.00	2	0	.0	.00	.000
MAY 10...	50	30	20	8.7	--	--	.00	10	--	--	--	--
JUN 20...	20	20	3	--	--	--	.00	1	1	.0	.00	.000
JUL 03...	40	40	3	--	--	--	.00	1	1	.0	.00	.000
AUG 15...	40	--	--	9.5	--	--	.00	8	2	.0	.00	.000
SEP 27...	20	10	10	5.7	--	--	.00	1	--	--	--	--

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
OCT 11...	.0	.000	.000	.000	.00	.004	.000	.000	.00	.000
NOV 15...	.0	.000	.000	.001	.02	.002	.004	.000	.00	.000
DEC 13...	.0	.000	.000	.000	.01	.003	.000	.000	.00	.000
JAN 10...	.0	.000	.000	.009	.00	.000	.000	.000	.00	.000
FEB 14...	.0	.000	.002	.000	.00	.000	.000	.000	.00	.000
MAR 14...	.0	.000	.000	.003	.00	.002	.000	.000	.00	.000
APR 18...	.0	.000	.000	.000	.00	.001	.000	.000	.00	.000
MAY 10...	--	--	--	--	--	--	--	--	--	--
JUN 20...	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
JUL 03...	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
AUG 15...	.0	.000	.000	.000	.02	.003	.000	.000	.00	.000
SEP 27...	--	--	--	--	--	--	--	--	--	--

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)
OCT 11...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
NOV 15...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
DEC 13...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
JAN 10...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
FEB 14...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
MAR 14...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
APR 18...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
MAY 10...	--	--	--	--	--	--	--	--	--	--
JUN 20...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
JUL 03...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
AUG 15...	.000	.000	.00	.00	.00	.00	.00	.00	.00	.0
SEP 27...	--	--	--	--	--	--	--	--	--	--

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT									
11...	.00	.03	.00	.01	4.03	.000	--	--	--
NOV									
15...	.00	.00	.00	.00	5.61	.522	125	13100	96
DEC									
13...	.00	.03	.02	.00	2.66	.000	496	190000	96
JAN									
10...	.00	.02	.01	.00	2.19	.000	472	254000	97
FEB									
14...	.00	--	--	--	1.26	.000	276	158000	91
MAR									
14...	.00	.11	.01	.00	1.06	.000	723	517000	70
APR									
18...	.00	.12	.02	.00	--	--	631	622000	69
MAY									
10...	--	--	--	--	1.80	.000	426	466000	79
JUN									
20...	.00	.07	.06	.00	.000	.000	343	188000	94
JUL									
03...	.00	.03	.01	.00	4.22	.000	255	104000	98
AUG									
15...	.00	.00	.00	.00	2.28	.000	384	141000	98
SEP									
27...	--	--	--	--	2.77	.000	--	--	--

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, 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	468	510	453	---	199	181	296	254	263	328	381	386
2	484	518	451	---	198	192	296	---	---	367	368	396
3	485	519	433	---	250	233	252	---	270	359	376	401
4	---	519	439	---	226	---	285	256	---	361	397	409
5	461	521	448	---	201	228	282	276	---	358	415	405
6	460	521	---	---	196	---	269	288	---	380	410	429
7	461	526	---	---	196	227	268	267	279	373	385	426
8	464	538	---	---	196	227	267	263	278	385	375	402
9	470	536	---	---	194	221	266	267	285	444	374	398
10	451	532	---	---	225	---	265	---	290	380	376	400
11	445	534	---	---	198	231	261	272	287	403	350	403
12	444	554	---	---	185	220	252	272	---	352	345	436
13	458	550	---	---	182	217	253	278	---	370	---	405
14	446	554	---	---	185	219	258	267	283	374	350	419
15	462	545	---	---	181	225	254	264	310	378	350	404
16	474	538	---	232	182	227	246	273	294	379	---	403
17	481	535	---	236	---	280	246	---	316	383	---	397
18	459	566	---	241	---	---	248	261	317	---	---	---
19	611	581	---	238	184	238	247	272	---	385	---	---
20	489	575	---	253	185	238	249	265	---	384	---	407
21	487	569	---	238	188	243	260	264	---	376	---	412
22	516	574	---	225	188	244	281	261	---	383	---	431
23	538	575	---	214	179	244	259	---	---	369	---	452
24	540	600	---	209	---	255	244	259	---	374	---	425
25	513	611	---	208	---	252	246	257	---	377	---	---
26	518	583	---	210	184	252	246	260	---	---	---	---
27	520	589	---	223	197	254	246	267	---	377	---	360
28	511	562	---	---	186	257	242	290	---	370	---	364
29	514	478	---	201	---	257	255	266	---	374	---	354
30	510	470	---	209	---	262	---	272	---	384	---	356
31	503	---	---	201	---	294	---	---	---	375	---	---
MONTH	488	546	---	---	195	238	260	268	---	376	---	403

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	25.5	20.0	15.0	10.0	6.0	11.5	15.0	20.0	23.5	27.0	28.0	28.0
2	25.5	19.5	15.0	8.0	6.0	11.5	15.0	20.0	---	28.0	29.0	28.0
3	25.0	19.5	---	8.0	7.0	11.5	11.5	21.0	24.0	28.0	29.0	27.5
4	25.5	19.5	15.0	8.0	7.0	11.5	16.0	21.0	---	28.0	28.5	28.0
5	25.0	19.5	13.5	8.0	7.0	11.0	15.0	21.0	---	28.0	29.0	28.0
6	25.0	20.0	---	9.0	7.0	11.0	15.0	21.0	---	28.0	29.0	28.0
7	23.0	19.0	---	8.0	6.0	11.0	15.5	21.0	24.5	28.5	29.0	28.0
8	24.0	18.0	---	6.0	7.0	11.0	16.0	21.0	24.5	28.5	28.5	27.5
9	24.0	18.0	---	9.0	7.0	11.0	17.0	20.0	25.0	28.5	29.0	27.0
10	24.0	18.5	---	7.0	7.0	12.0	17.0	20.0	25.5	27.5	29.0	27.0
11	24.0	18.0	---	6.0	7.0	12.0	18.0	22.0	25.5	27.0	29.0	26.5
12	24.0	18.5	---	7.0	7.0	12.0	18.0	22.0	---	27.0	29.0	28.5
13	23.0	18.0	---	7.0	7.0	12.0	18.0	22.0	---	27.5	29.0	26.5
14	22.0	18.0	---	6.0	8.0	12.0	19.0	22.0	25.0	27.5	28.0	26.5
15	22.5	18.5	---	5.0	9.0	12.0	18.0	21.0	25.0	27.5	29.0	26.0
16	22.5	19.0	---	5.0	9.0	12.0	18.0	21.0	25.5	27.5	---	26.0
17	20.5	19.0	---	6.0	---	12.0	18.5	22.0	25.0	27.0	---	26.0
18	21.0	18.0	---	6.0	---	12.0	19.0	22.0	26.0	27.0	---	27.0
19	21.0	18.0	---	6.0	8.0	13.0	19.0	22.5	26.0	27.0	---	---
20	21.0	18.0	---	7.0	9.0	14.0	19.0	22.5	27.0	27.0	---	25.0
21	21.0	18.0	---	9.0	9.0	14.0	19.0	23.5	27.0	27.0	---	25.0
22	21.0	18.0	---	7.0	9.5	14.0	19.0	23.5	27.0	28.0	---	25.0
23	21.0	18.0	---	7.0	10.5	14.0	18.0	23.0	27.0	27.5	---	25.0
24	20.0	18.0	---	7.0	---	15.0	19.0	23.5	28.0	29.0	---	25.0
25	20.5	17.5	---	8.0	---	14.0	19.0	23.0	28.0	29.0	---	---
26	20.5	18.0	---	7.0	10.5	14.0	20.0	23.0	28.0	23.0	---	---
27	20.0	18.0	---	7.0	10.5	14.0	20.0	23.0	28.0	28.0	---	25.5
28	19.5	17.0	---	---	11.0	14.0	20.0	23.0	27.0	27.5	---	23.0
29	19.0	16.0	---	7.0	---	15.0	20.0	23.5	28.0	27.0	---	24.0
30	19.0	16.0	---	7.0	---	15.0	20.0	23.5	28.0	28.5	---	23.5
31	20.0	---	---	7.0	---	15.0	---	---	---	28.0	---	---
MONTH	22.0	18.5	---	7.0	8.0	12.5	17.5	22.0	26.0	27.5	---	26.5

YEAR MAX 29.0 MIN 5.0 MEAN 19.5

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--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	35	30	---	16	16	24	18	14	20	36	30	22
2	29	34	---	16	18	16	20	14	20	40	32	22
3	26	30	---	28	16	20	---	16	20	42	32	24
4	32	38	---	18	16	26	20	16	---	40	34	22
5	31	38	---	30	22	20	18	16	---	42	34	22
6	27	30	---	24	18	40	18	18	20	36	36	26
7	28	32	38	20	20	22	30	18	22	36	32	26
8	30	42	38	28	16	20	18	18	20	36	36	24
9	31	48	---	18	20	18	22	18	22	38	32	24
10	31	32	---	20	20	18	20	18	24	40	32	24
11	34	34	---	30	16	16	18	---	30	36	36	26
12	30	26	34	26	20	18	16	22	---	40	24	24
13	38	40	34	26	18	16	16	20	---	34	24	24
14	48	38	36	30	18	18	16	16	24	38	26	26
15	32	40	36	26	20	16	16	18	30	34	28	26
16	34	46	32	18	24	16	16	16	24	34	---	26
17	32	42	32	20	---	20	16	---	26	36	---	24
18	32	54	30	24	---	16	20	16	28	40	---	26
19	32	58	26	22	22	20	18	26	32	40	---	---
20	54	44	30	16	26	14	18	14	30	40	---	---
21	42	42	32	18	30	18	18	22	36	40	---	28
22	32	42	24	18	18	24	18	20	30	40	---	28
23	40	46	20	24	24	56	18	18	42	38	---	40
24	32	50	18	20	---	18	18	18	42	36	---	36
25	32	50	20	20	---	16	18	14	48	30	---	---
26	38	48	14	18	22	18	16	18	58	30	---	---
27	30	58	14	16	20	20	14	18	48	30	---	22
28	40	58	14	---	20	20	14	---	50	30	---	24
29	36	44	14	18	---	18	20	20	50	30	---	24
30	38	50	14	20	---	26	16	20	48	32	---	22
31	42	---	14	18	---	20	---	---	---	30	---	---
MONTH	34	42	---	22	20	21	18	18	32	36	---	25

YEAR MAX 58 MIN 14 MEAN 27

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

DATE	NOV 15,78		MAR 14,79		MAY 10,79		JUN 20,79		JUL 3,79		SEP 27,79	
TIME	1400		1200		1400		1300		1200		1230	
TOTAL CELLS/ML	11000		1200		210		510		1300		7600	
DIVERSITY: DIVISION	1.8		0.7		0.0		1.3		1.1		1.5	
.CLASS	2.0		0.7		0.0		1.3		1.1		1.5	
..ORDER	2.5		0.7		0.0		1.8		1.1		2.0	
...FAMILY	2.9		0.7		0.0		1.8		1.1		2.8	
....GENUS	3.6		0.7		0.0		2.2		2.0		3.2	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...COELASTRACEAE												
....COELASTRUM	430	4	--	-	--	-	--	-	--	-	160	2
...MICRACTINIACEAE												
....MICRACTINIUM	--	-	--	-	--	-	--	-	--	-	120	2
...OOCYSTACEAE												
....ANKISTRODESMUS	540	5	--	-	--	-	--	-	--	-	100	1
....DICTYOSPHAERIUM	--	-	--	-	--	-	--	-	--	-	650	9
....KIRCHNERIELLA	--	-	--	-	--	-	--	-	--	-	290	4
....OOCYSTIS	270	2	--	-	--	-	--	-	--	-	--	-
....SELENASTRUM	160	1	--	-	--	-	--	-	--	-	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	220	2	--	-	--	-	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	150#	30	--	-	61	1
....SCENEDESMUS	330	3	--	-	--	-	--	-	180	14	630	8
....TETRASTRUM	710	6	220#	19	210#	100	--	-	--	-	--	-
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	*	0	--	-	--	-	--	-	--	-	--	-
...PHACOTACEAE												
....PTEROMONAS	*	0	--	-	--	-	--	-	--	-	--	-
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....COSCINODISCUS	--	-	--	-	--	-	51	10	--	-	--	-
....CYCLOTELLA	1600	15	--	-	--	-	--	-	360#	29	350	5
....MELOSIRA	160	1	930#	81	--	-	150#	30	540#	43	920	12
....SKELETONEMA	1000	9	--	-	--	-	--	-	--	-	--	-
..PENNALES												
...NAVICULACEAE												
....DIPLONEIS	110	1	--	-	--	-	--	-	--	-	--	-
....NAVICULA	*	0	--	-	--	-	--	-	--	-	--	-
...NITZSCHIACEAE												
....NITZSCHIA	160	1	--	-	--	-	--	-	--	-	370	5
...TABELLARIACEAE												
....TABELLARIA	--	-	--	-	--	-	100#	20	--	-	--	-
.CHRYSOPHYCEAE												
..CHRYSOMONADALES												
...OCHROMONADACEAE												
....OCHROMONAS	380	3	--	-	--	-	--	-	--	-	--	-

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

	NOV 15,78		MAR 14,79		MAY 10,79		JUN 20,79		JUL 3,79		SEP 27,79	
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	160	1	--	-	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	1100	10	--	-	--	-	--	-	--	-	650	9
....ANACYSTIS	380	3	--	-	--	-	51	10	--	-	--	-
..HORMOGONALES												
...NOSTOCACEAE												
....ANABAENA	--	-	--	-	--	-	--	-	--	-	880	12
....APHANIZOMENON	--	-	--	-	--	-	--	-	--	-	61	1
...OSCILLATORIACEAE												
....OSCILLATORIA	2900#	26	--	-	--	-	--	-	--	-	2300#	31
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	--	-	--	-	90	7	--	-
....TRACHELOMONAS	270	2	--	-	--	-	--	-	90	7	--	-
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%

293540091093000 BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE 53100)

LOCATION.--Lat 29°35'40", long 91°09'30", in SW¼NW¼ sec.17, T.17 S., R.13 E., Terrebonne Parish, Hydrologic Unit 08090302, 7.9 mi (12.7 km) south-southeast of Morgan City, 5.9 mi (9.5 km) southwest of Amelia.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 31...	1100	484	8.0	40	120	<1.0	6.3	41	1.6	14000	100	170
NOV 21...	1045	480	8.1	50	30	<1.0	8.7	24	2.8	5400	--	160
DEC 19...	1210	421	7.5	30	80	<1.0	9.7	22	1.3	1300	K240	120
JAN 29...	1115	261	7.8	80	180	<1.0	--	42	.8	K4200	130	88
FEB 26...	1320	213	7.6	70	40	<1.0	9.1	47	1.9	K6000	K80	64
MAR 16...	1215	340	7.2	40	190	<1.0	9.3	28	1.1	3200	210	97
APR 17...	1030	251	7.4	60	90	<1.0	6.4	23	1.1	410	K150	92
JUL 19...	1110	303	6.7	30	55	<1.0	5.7	32	3.9	520	K16	95
SEP 05...	1410	371	7.6	40	55	<1.0	8.1	27	2.7	K80	K12	120

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT 31...	39	43	14	35	31	1.2	4.1	154	0	126	61	42
NOV 21...	36	40	14	41	35	1.4	4.0	148	0	120	57	45
DEC 19...	51	33	10	34	37	1.3	3.8	89	0	73	48	50
JAN 29...	26	24	6.8	16	28	.7	3.0	75	0	62	31	21
FEB 26...	10	17	5.2	14	31	.8	3.6	66	0	54	17	18
MAR 16...	42	26	7.7	29	39	1.3	3.3	67	0	55	31	48
APR 17...	24	25	7.1	12	22	.5	2.7	83	0	68	25	14
JUL 19...	26	25	7.9	26	36	1.2	3.1	84	0	69	24	49
SEP 05...	32	31	11	26	31	1.0	4.0	110	0	90	39	35

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

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

293540091093000 BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE 53100)--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 31...	145	.65	.03	.68	1.1	.21	4	2	2	10	0
NOV 21...	28	.17	.01	.18	.63	.13	2	1	1	1	0
DEC 19...	56	.90	.01	.91	.59	.19	3	2	1	10	0
JAN 29...	222	.54	.10	.64	.69	.27	2	1	1	10	10
FEB 26...	60	.10	.06	.16	.77	.19	1	0	1	10	0
MAR 16...	260	.77	.14	.91	.78	.26	3	2	1	0	0
APR 17...	234	1.1	.08	1.2	.56	.20	2	1	1	1	0
JUL 19...	78	.04	.02	.06	.40	.03	2	1	1	1	0
SEP 05...	117	.23	.08	.31	.71	.14	2	0	2	0	0

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)
OCT 31...	10	0	0	0	10	0	9	6	3	30	9
NOV 21...	1	1	0	1	0	0	6	5	1	0	4
DEC 19...	10	0	0	0	0	3	11	9	2	30	9
JAN 29...	0	0	0	0	20	0	11	8	3	40	7
FEB 26...	10	0	0	0	10	0	5	2	3	120	3
MAR 16...	0	0	0	0	0	0	13	13	0	90	47
APR 17...	1	1	0	1	0	0	11	9	2	40	13
JUL 19...	1	1	0	1	10	0	7	5	2	20	10
SEP 05...	0	0	0	0	10	0	10	3	7	10	32

293540091093000 BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE 53100)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	VANADIUM, DISSOLVED (UG/L AS V)
OCT 31...	8	1	.0	.0	.0	8	8	0	0	0	0	.0
NOV 21...	4	0	.0	.0	.0	1	1	0	1	0	1	.0
DEC 19...	8	1	.0	.0	.0	12	9	3	1	1	0	.0
JAN 29...	7	0	.0	.0	.0	11	9	2	0	0	0	.2
FEB 26...	3	0	.0	.0	.0	6	4	2	0	0	0	.0
MAR 16...	47	0	.0	.0	.0	11	11	0	0	0	0	.4
APR 17...	13	0	.1	.1	.0	10	10	0	0	0	0	.3
JUL 19...	10	0	.0	.0	.0	7	4	3	1	1	0	1.0
SEP 05...	32	0	.1	.1	.0	3	3	0	1	0	1	1.0

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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, GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 31...	30	20	10	10	.00	4	0	.0	.00	.000	.0	.000
NOV 21...	30	30	3	8.5	.00	5	0	.0	.00	.000	.0	.000
DEC 19...	40	30	10	8.3	.00	2	0	.0	--	.000	.0	.000
JAN 29...	40	30	10	12	.00	1	0	.0	--	.000	.0	.000
FEB 26...	20	10	10	11	.00	0	0	.0	--	.000	.0	.000
MAR 16...	60	60	0	9.2	.00	1	0	.0	--	.000	.0	.000
APR 17...	30	30	3	10	.00	0	0	.0	.00	.000	.0	.000
JUL 19...	30	30	3	13	.00	1	0	.0	.00	.000	.0	.000
SEP 05...	50	50	2	--	.00	0	0	.0	.00	.000	.0	.000

2935400091093000 BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE 53100)--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 31...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
NOV 21...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
DEC 19...	.000	.005	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00
JAN 29...	.001	.008	.00	.002	.000	.000	.00	.000	.000	.001	.00	.00
FEB 26...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.000	.007	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
APR 17...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP 05...	.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)
OCT 31...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.04	14.6	.000
NOV 21...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	22.3	.995
DEC 19...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	2.69	.000
JAN 29...	.00	.00	.00	.00	.00	.0	.00	.04	.02	.00	2.24	.000
FEB 26...	.00	.00	.00	.00	.00	.0	.00	--	--	--	7.23	.000
MAR 16...	.00	.00	.00	.00	.00	.0	.00	.11	.01	.00	2.21	.000
APR 17...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	2.63	.000
JUL 19...	.00	.00	.00	.00	.00	.0	.00	.11	.05	.05	59.2	.000
SEP 05...	.00	.00	.00	.00	.00	.0	.00	.03	.00	.00	49.3	1.84

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)

LOCATION.--Lat 29°22'15", long 91°23'15", T.19 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080108, 1.2 mi (1.9 km) northeast of Point Au Fer light, 25 mi (40 km) southwest of Morgan City.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 31...	1045	3780	8.7	2	9	<1.0	10.4	72	3.8	1600	K8	460
NOV 21...	1030	4560	8.2	30	10	<1.0	9.3	44	2.5	K2800	K20	580
DEC 19...	1200	467	7.9	30	75	<1.0	9.6	26	1.0	320	K20	130
JAN 29...	1145	207	7.6	80	240	<1.0	--	42	2.0	3800	160	71
FEB 26...	1250	183	7.5	40	120	<1.0	9.4	39	1.3	1900	K160	61
MAR 16...	1155	315	7.2	40	190	<1.0	9.3	24	.9	1000	K50	100
APR 17...	1015	267	7.4	60	90	<1.0	6.3	20	.7	280	K70	95
JUL 19...	1055	365	7.3	20	50	<1.0	5.5	19	.5	420	110	120
SEP 05...	1505	420	8.0	15	25	<1.0	7.8	18	.8	K16	K2	150

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT 31...	340	62	75	580	72	12	23	134	9	110	180	990
NOV 21...	440	77	93	750	73	14	30	161	0	130	250	1300
DEC 19...	51	34	11	40	39	1.5	4.4	97	0	80	48	58
JAN 29...	23	20	5.0	13	28	.7	2.4	58	0	48	23	19
FEB 26...	18	17	4.4	12	29	.7	2.3	52	0	43	26	14
MAR 16...	43	26	8.5	33	41	1.4	3.6	69	0	57	34	38
APR 17...	27	25	7.8	18	28	.8	3.0	82	0	67	27	26
JUL 19...	40	35	8.9	24	42	.9	4.5	102	0	84	47	31
SEP 05...	30	40	13	23	24	.8	3.5	150	0	123	57	25

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

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

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)--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 31...	16	.01	.01	.02	.89	.07	1	0	1	0	0
NOV 21...	4	.24	.01	.25	.61	.07	1	0	1	0	0
DEC 19...	74	.75	.01	.76	.78	.15	2	1	1	0	0
JAN 29...	270	.52	.08	.60	.60	.41	3	2	1	10	10
FEB 26...	238	.27	.10	.37	.57	.19	2	1	1	10	0
MAR 16...	384	.69	.10	.79	.70	.28	3	2	1	0	0
APR 17...	218	1.1	.16	1.3	.54	.21	2	1	1	1	0
JUL 19...	82	.87	.02	.89	.52	.12	2	1	1	1	0
SEP 05...	8	.90	.02	.92	.73	.13	2	1	1	0	0

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)
OCT 31...	0	0	0	0	0	0	4	2	2	10	2
NOV 21...	0	0	0	0	0	0	3	2	1	0	1
DEC 19...	0	0	0	0	0	3	9	6	3	30	8
JAN 29...	0	1	0	1	20	0	13	10	3	70	8
FEB 26...	10	0	0	0	20	0	12	8	4	80	4
MAR 16...	0	0	0	0	10	0	12	12	0	100	15
APR 17...	1	1	0	1	0	0	11	9	2	40	14
JUL 19...	1	1	0	1	0	0	3	0	3	20	4
SEP 05...	0	0	0	0	10	0	3	0	3	0	3

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	VANADIUM, DISSOLVED (UG/L AS V)
OCT 31...	2	0	.0	.0	.0	4	4	0	0	0	0	1.2
NOV 21...	1	0	.1	.0	.1	0	0	0	1	0	1	--
DEC 19...	7	1	.0	.0	.0	6	3	3	1	1	0	.0
JAN 29...	8	0	.1	.1	.0	13	12	1	0	0	0	.6
FEB 26...	4	0	.0	.0	.0	7	5	2	0	0	0	.2
MAR 16...	15	0	.0	.0	.0	11	11	0	0	0	0	--
APR 17...	14	0	.1	.0	.1	14	14	0	1	0	1	.3
JUL 19...	4	0	.1	.0	.1	6	4	2	0	0	0	1.0
SEP 05...	3	0	.0	.0	.0	4	2	2	1	0	1	1.0

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 31...	20	10	10	8.2	.00	0	0	.0	.00	.000	.0	.000
NOV 21...	30	10	20	7.5	.00	2	0	.0	.00	.000	.0	.000
DEC 19...	30	30	0	6.5	.00	4	0	.0	--	.000	.0	.000
JAN 29...	50	40	10	10	.00	3	0	.0	--	.000	.0	.000
FEB 26...	30	20	10	12	.00	1	0	.0	--	.000	.0	.000
MAR 16...	40	30	10	10	.00	4	0	.0	--	.000	.0	.000
APR 17...	30	30	3	9.6	.00	4	0	.0	.00	.000	.0	.000
JUL 19...	20	20	3	6.9	.00	2	0	.0	.00	.000	.0	.000
SEP 05...	0	0	0	--	.00	3	--	.0	.00	.000	.0	.000

292215091231500 ATCHAFALAYA BAY AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)--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 31...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
NOV 21...	.000	.001	.01	.000	.000	.000	.00	.001	.001	.001	.00	.00
DEC 19...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
JAN 29...	.004	.015	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 26...	.001	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.001	.000	.00	.003	.000	.000	.00	.000	.001	.000	.00	.00
APR 17...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP 05...	.000	.003	.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)
OCT 31...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	51.4	.000
NOV 21...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	15.3	.995
DEC 19...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	5.50	.000
JAN 29...	.00	.00	.00	.00	.00	.0	.00	--	--	--	.710	.000
FEB 26...	.00	.00	.00	.00	.00	.0	.00	.02	.01	.00	2.84	.000
MAR 16...	.00	.00	.00	.00	.00	.0	.00	--	--	--	2.10	.000
APR 17...	.00	.00	.00	.00	.00	.0	.00	.04	.01	.00	.000	.000
JUL 19...	.00	.00	.00	.00	.00	.0	.00	.05	.02	.01	14.5	.000
SEP 05...	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	8.94	.000

07385750 BAYOU TECHE NEAR OLIVIER, LA

LOCATION.--Lat 29°57'18", long 91°42'54", in lot 28, T.12 S., R.7 E., Iberia Parish, Hydrologic Unit, on left bank of privately owned turn-span bridge, 3.6 mi (5.8 km) northwest of Jeanerette, 0.25 mi (0.40 km) downstream from Sandager Canal, and 2.8 mi (4.5 km) southeast of Olivier.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to current year.
pH: October 1976 to current year.
WATER TEMPERATURES: November 1973 to current year.
DISSOLVED OXYGEN: October 1973 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 646 micromhos Apr. 8, 1976; minimum, 78 micromhos Apr. 23, 1979.
pH: Maximum, 8.5 units Apr. 22, 1979; minimum, 6.0 units Dec. 23, 24, 1978.
WATER TEMPERATURES: Maximum, 35.0°C July 6, 1975; minimum, 4.5°C Dec. 20, 1973, Jan. 21, 1978.
DISSOLVED OXYGEN: Maximum, 11.7 mg/L Apr. 4, 1974; minimum, 0.0 mg/L several days during Oct., Nov., Dec. 1973, Jan., Nov., Dec. 1974, Dec. 15, 1975, Dec. 1976, Jan. 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 445 micromhos Sep. 14; minimum, 78 micromhos Apr. 23.
pH: Maximum, 8.5 units Apr. 22; minimum, 6.0 units Dec. 23, 24.
WATER TEMPERATURES: Maximum, 32.5°C July 7; minimum, 6.5°C Jan. 15.
DISSOLVED OXYGEN: Maximum, 8.5 mg/L Feb. 20; minimum, 0.8 mg/L Oct. 1.

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, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC												
07...	1400	206	7.0	19.0	20	3	1.2	8.3	K2400	980	54	0
FEB												
13...	1345	112	6.8	12.0	100	80	8.6	2.3	K1100	1500	36	2
APR												
06...	1000	178	7.1	17.0	120	65	5.7	4.2	K1200	K1600	50	0
JUL												
09...	1215	291	6.9	30.0	20	30	4.4	1.9	270	380	95	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	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)
DEC												
07...	14	4.6	17	38	1.0	--	4.5	77	0	63	6.3	19
FEB												
13...	9.6	3.0	6.3	26	.5	--	2.1	42	0	34	6.0	8.7
APR												
06...	13	4.2	13	35	.8	--	2.6	66	0	54	6.0	15
JUL												
09...	24	8.5	21	31	.9	25	3.6	118	0	97	10	21

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS 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)
DEC												
07...	.1	13	144	117	.20	.01	1.2	1.2	5.4	.93	--	--
FEB												
13...	.1	6.1	79	63	.11	.26	.93	1.2	5.3	.31	--	--
APR												
06...	.1	9.0	110	95	.15	.27	1.0	1.3	5.6	.35	1.1	1.1
JUL												
09...	.2	12	173	158	.24	.18	1.3	1.5	6.6	.37	1.)	1.1

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

07385750 BAYOU TECHE NEAR OLIVIER, 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)
DEC 07...	3	10	0	0	10	0	10	17	150	9900	1

DATE	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 07...	35	120	320	.0	.10	10	50	10	.00	3	.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)
DEC 07...	35	.00	.00	.8	.0	48	.00	16	.00	17	.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-FLDRIN, 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)
DEC 07...	.9	.08	.0	.00	2.6	.00	.00	.4	.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)
DEC 07...	.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)
DEC 07...	.00	.00	.0	.00	0	0	.00	.0	.09	.00	.01

07385750 BAYOU TECHE NEAR OLIVIER, 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	196	181	---	---	433	230	293	237	141	126	126	115
2	217	203	---	---	439	282	258	237	153	139	124	116
3	232	206	421	414	429	339	248	218	145	133	135	108
4	261	225	420	400	360	247	222	212	151	131	106	88
5	267	251	---	---	253	225	222	212	143	129	124	88
6	272	259	---	---	250	228	234	219	133	102	119	107
7	289	271	---	---	249	214	232	187	108	96	125	116
8	295	266	---	---	358	233	185	158	115	98	138	118
9	283	264	---	---	318	243	284	177	126	107	137	120
10	273	261	---	---	306	263	276	174	119	105	136	125
11	284	259	---	---	262	234	178	158	115	104	132	122
12	324	267	---	---	259	239	161	151	114	106	139	123
13	325	277	---	---	278	210	171	151	120	108	137	128
14	298	265	---	---	208	177	186	160	131	114	144	130
15	369	280	---	---	202	179	180	164	136	120	143	126
16	309	265	---	---	306	180	171	152	138	132	155	140
17	359	288	---	---	219	200	168	144	183	130	165	151
18	348	314	348	301	202	195	145	139	190	165	150	138
19	348	314	317	229	250	202	149	137	168	140	148	142
20	351	325	233	229	232	217	158	138	166	139	154	142
21	353	336	239	230	235	209	159	140	184	155	154	139
22	355	350	246	236	228	210	189	142	159	141	157	136
23	364	338	263	225	255	207	231	167	166	132	156	127
24	---	---	276	227	270	228	161	143	134	111	163	133
25	---	---	300	272	267	235	155	125	120	109	185	160
26	---	---	357	283	261	236	152	128	124	113	177	151
27	---	---	343	235	275	237	142	131	129	121	175	155
28	---	---	247	220	242	233	137	127	137	115	189	169
29	---	---	225	220	270	239	143	128	---	---	170	162
30	---	---	235	221	293	247	159	127	---	---	185	169
31	---	---	---	---	271	249	138	118	---	---	181	172
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	172	164	119	105	192	150	290	278	165	155	---	---
2	165	160	118	111	179	142	290	277	163	156	---	---
3	166	157	123	116	175	128	278	272	170	155	---	---
4	164	152	133	121	128	118	282	270	205	175	---	---
5	188	165	134	128	144	120	292	280	188	182	---	---
6	201	175	140	128	151	136	295	289	191	185	---	---
7	205	175	137	130	162	142	304	296	200	188	---	---
8	176	170	139	134	161	154	311	302	199	188	374	338
9	173	150	142	136	154	147	310	303	212	200	376	355
10	151	141	144	134	172	157	312	298	224	213	397	368
11	157	142	155	145	181	162	314	307	231	221	393	374
12	155	148	152	143	192	165	310	302	250	232	412	377
13	161	147	155	148	172	161	308	299	254	245	422	398
14	154	147	159	150	212	173	304	206	260	246	445	414
15	157	148	172	153	243	213	293	222	271	223	441	366
16	156	145	158	150	241	231	286	236	245	215	361	338
17	162	149	172	157	231	212	248	236	261	242	341	333
18	161	155	190	173	210	185	238	222	268	260	345	322
19	179	163	191	179	235	190	226	208	262	249	336	313
20	168	160	203	181	256	237	285	224	272	265	351	294
21	171	112	226	206	251	233	307	252	288	273	315	232
22	113	83	241	222	252	235	325	272	299	284	273	227
23	89	78	257	238	261	250	322	307	328	299	252	234
24	104	91	247	236	280	264	373	309	331	305	251	231
25	114	103	236	218	294	281	294	194	313	295	236	218
26	112	99	235	222	286	272	193	159	326	296	232	213
27	108	100	240	225	281	275	179	165	322	304	227	215
28	117	106	236	225	283	274	162	150	360	279	215	205
29	114	106	236	227	292	284	159	145	---	---	204	198
30	112	106	245	163	295	278	155	144	---	---	196	188
31	---	---	177	162	---	---	156	144	---	---	---	---

07385750 BAYOU TECHE NEAR OLIVIER, 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	6.8	---	---	6.7	6.7	7.2	7.0	7.3	7.1	7.4	7.1
2	7.0	6.8	---	---	6.8	6.7	7.1	6.8	7.3	7.2	7.3	7.1
3	7.2	7.0	7.3	7.2	6.8	6.7	7.2	6.9	7.2	7.0	7.7	7.3
4	7.4	7.1	7.4	7.2	6.9	6.6	7.5	7.2	7.2	6.9	7.8	7.2
5	7.3	7.1	---	---	6.8	6.6	7.3	7.1	7.4	7.0	7.8	7.1
6	7.3	7.2	---	---	6.8	6.7	7.2	7.1	7.4	7.2	7.3	7.1
7	7.5	7.3	---	---	6.7	6.3	7.3	7.1	7.4	7.1	7.2	7.1
8	7.4	7.3	---	---	6.7	6.5	7.1	7.0	7.1	7.0	8.0	7.1
9	7.4	7.3	---	---	6.8	6.7	7.9	7.1	7.4	7.0	8.0	7.1
10	7.4	7.3	---	---	7.1	6.8	7.7	7.1	7.3	6.9	7.3	7.1
11	7.4	7.2	---	---	7.1	6.9	7.2	7.1	7.1	6.9	7.4	7.1
12	7.4	7.2	---	---	7.1	7.0	7.3	7.2	7.1	6.8	7.4	7.1
13	7.4	7.2	---	---	7.3	6.7	7.3	7.2	7.1	6.8	7.4	7.1
14	7.5	7.3	---	---	6.9	6.7	7.4	7.3	6.9	6.7	7.7	7.2
15	7.8	7.3	---	---	7.3	6.9	7.6	7.3	6.9	6.7	7.4	7.1
16	7.5	7.2	---	---	7.0	6.5	8.2	7.3	7.0	6.9	7.4	7.2
17	8.0	7.4	---	---	6.9	6.5	8.2	7.3	7.2	6.9	8.0	7.4
18	7.8	7.2	7.0	6.7	6.8	6.7	7.4	7.3	7.9	7.1	7.4	7.2
19	7.9	7.3	7.0	6.7	7.4	6.8	7.5	7.3	8.0	7.1	7.5	7.4
20	7.9	7.3	7.2	6.9	6.9	6.6	7.4	7.1	7.4	7.0	7.4	7.3
21	7.7	7.3	7.2	6.8	7.2	6.7	7.3	6.9	7.6	7.1	7.7	7.1
22	7.6	7.4	7.1	6.9	7.1	6.2	7.3	7.1	7.2	7.0	7.2	7.1
23	7.7	7.3	7.0	6.8	6.8	6.0	7.7	7.1	7.7	7.1	7.5	7.0
24	---	---	6.9	6.8	7.1	6.0	7.8	7.5	7.5	7.1	7.2	7.0
25	---	---	6.9	6.7	7.2	6.9	7.8	7.2	7.4	7.1	7.3	7.1
26	---	---	6.8	6.6	7.0	6.7	7.4	7.1	7.4	7.2	7.2	7.1
27	---	---	6.9	6.4	6.9	6.6	7.2	7.0	7.5	7.2	7.4	7.1
28	---	---	6.6	6.4	7.0	6.9	7.1	7.0	8.1	7.1	7.7	7.3
29	---	---	6.7	6.6	7.0	6.9	7.5	7.0	---	---	7.4	7.3
30	---	---	6.7	6.7	7.0	6.9	8.0	7.4	---	---	7.6	7.4
31	---	---	---	---	7.1	7.0	7.5	7.0	---	---	7.7	7.4
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.6	7.4	7.4	7.2	7.2	6.9	7.5	7.0	6.8	6.6	7.1	6.9
2	7.4	7.3	7.2	7.1	6.9	6.8	7.6	7.1	6.8	6.6	7.1	6.8
3	7.4	7.3	7.3	7.2	6.9	6.7	7.5	7.1	6.8	6.7	6.9	6.8
4	7.5	7.2	7.3	7.1	6.8	6.6	7.3	7.0	7.3	6.8	6.8	6.6
5	7.5	7.2	7.2	7.1	7.1	6.6	7.0	6.9	6.9	6.7	6.9	6.7
6	7.4	7.2	7.2	7.1	7.3	6.7	7.0	6.9	7.0	6.9	6.8	6.7
7	7.8	7.4	7.2	7.1	6.8	6.7	7.0	6.9	7.2	6.9	6.6	6.5
8	7.4	7.3	7.1	7.0	6.8	6.7	7.0	7.0	6.9	6.9	6.9	6.7
9	7.4	7.3	7.1	7.0	6.9	6.7	7.0	7.0	7.0	6.9	6.9	6.7
10	7.4	7.3	7.1	7.0	7.2	6.8	7.2	7.0	7.1	7.0	6.9	6.8
11	7.8	7.5	7.2	7.0	7.0	6.8	7.3	7.1	7.0	6.9	6.9	6.8
12	7.6	7.4	7.1	6.9	7.5	6.9	7.6	7.1	7.1	6.9	7.0	6.7
13	7.9	7.4	7.1	7.0	7.0	6.9	7.3	7.2	7.1	6.9	7.2	7.0
14	7.5	7.4	7.2	7.1	7.1	7.0	7.2	7.0	7.0	6.9	7.4	7.1
15	7.5	7.3	7.3	7.0	7.3	7.1	7.0	6.8	7.1	7.0	7.2	7.0
16	7.4	7.2	7.0	6.9	7.3	7.0	6.9	6.8	7.1	7.0	7.2	7.0
17	7.6	7.4	7.0	7.0	7.4	7.1	7.2	6.7	7.3	7.0	7.0	6.9
18	7.6	7.4	7.3	7.0	7.3	7.0	6.8	6.7	7.5	7.1	7.1	6.9
19	7.8	7.3	7.2	6.9	7.2	7.0	6.8	6.7	7.3	7.1	7.3	7.1
20	7.5	7.3	7.1	7.0	7.2	7.1	6.9	6.8	7.3	7.1	7.2	7.0
21	8.0	7.4	7.1	7.0	7.2	7.0	7.0	6.9	7.4	7.3	7.2	6.9
22	8.5	7.7	7.1	7.1	7.7	7.1	7.1	6.9	7.4	7.3	7.3	6.9
23	7.6	7.3	7.2	7.1	7.6	7.2	7.1	6.9	7.4	7.3	7.3	7.0
24	7.5	7.2	7.2	7.1	7.6	7.2	7.3	7.0	7.5	7.2	7.5	7.0
25	7.5	7.2	7.1	7.0	7.8	7.2	7.1	6.9	7.4	7.3	7.2	6.9
26	7.3	7.2	7.2	7.1	7.3	7.1	6.9	6.8	7.4	7.3	7.3	7.0
27	7.3	7.1	7.3	7.1	7.3	7.1	6.9	6.8	7.4	7.3	7.3	7.0
28	7.3	7.2	7.2	7.1	7.4	7.2	7.4	6.8	7.4	7.3	7.3	7.1
29	7.3	7.1	7.2	7.1	7.3	7.1	6.9	6.7	7.4	6.8	7.3	7.0
30	7.2	7.1	7.7	7.0	7.5	7.2	6.9	6.7	7.3	7.1	7.2	7.0
31	---	---	7.7	7.0	---	---	6.8	6.6	7.1	6.9	---	---

07385750 BAYOU TECHE NEAR OLIVIER, 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	25.0	---	---	19.0	16.5	16.5	13.5	7.0	6.5	16.0	14.5
2	26.0	25.0	---	---	18.5	17.0	13.5	10.5	8.0	7.0	16.5	15.5
3	26.5	25.5	23.0	22.0	20.0	18.5	10.5	9.5	9.0	8.0	17.5	16.5
4	27.0	26.0	22.5	21.5	19.5	16.5	9.5	9.0	9.5	9.0	17.0	16.0
5	27.0	26.0	---	---	16.5	15.5	11.0	9.5	9.5	9.0	17.0	16.0
6	26.5	25.5	---	---	16.5	15.0	13.0	11.0	9.0	8.0	16.5	15.5
7	25.5	24.5	---	---	18.5	16.5	13.5	12.0	8.5	8.0	16.0	15.5
8	24.5	23.0	---	---	19.5	18.0	11.5	10.0	9.5	8.0	16.5	15.0
9	23.5	22.5	---	---	18.0	15.0	10.0	9.0	9.0	8.5	17.0	15.5
10	23.5	22.0	---	---	15.0	13.5	9.0	8.5	9.0	8.0	17.0	16.0
11	24.5	22.5	---	---	13.5	12.0	8.5	7.5	9.0	8.0	16.5	15.5
12	24.5	23.0	---	---	12.0	11.0	8.0	7.5	10.0	8.5	17.0	16.0
13	24.0	23.5	---	---	11.5	10.5	9.5	8.0	11.0	9.5	17.0	16.0
14	24.0	23.0	---	---	11.5	11.0	8.5	7.5	13.5	11.0	18.0	16.5
15	23.5	21.5	---	---	11.5	11.0	7.5	6.5	14.0	12.5	17.5	16.5
16	22.5	21.5	---	---	13.0	11.5	8.0	7.5	14.5	13.5	16.5	16.0
17	21.5	20.5	---	---	14.0	13.0	9.5	8.0	13.5	12.0	17.0	16.0
18	21.0	19.5	21.5	20.5	13.5	12.5	10.0	9.0	12.0	11.0	18.0	17.0
19	22.0	20.0	20.5	19.5	14.5	13.0	12.0	10.0	11.0	10.0	19.0	18.0
20	22.0	20.0	20.0	19.5	16.5	14.5	14.0	12.0	11.5	10.5	20.0	18.5
21	22.0	20.5	20.0	19.0	16.0	15.0	13.0	11.0	13.0	11.5	20.5	19.5
22	22.0	20.5	20.0	19.0	15.0	14.0	11.5	10.0	15.0	13.0	20.0	19.5
23	22.5	21.0	20.5	19.5	14.0	13.5	11.5	10.5	16.0	14.5	20.0	18.5
24	---	---	21.0	20.5	14.5	13.5	10.5	9.0	16.5	15.5	19.0	18.0
25	---	---	21.0	20.5	14.0	13.0	10.5	9.5	15.5	14.5	19.0	17.0
26	---	---	21.5	20.5	13.5	13.0	9.5	9.5	15.0	14.0	19.0	17.5
27	---	---	20.5	19.5	13.5	12.5	10.0	9.0	14.5	13.5	20.0	18.0
28	---	---	19.5	18.0	13.0	12.0	9.0	8.5	15.0	14.0	20.5	19.0
29	---	---	18.0	17.5	13.0	12.0	8.5	8.0	---	---	21.0	20.0
30	---	---	17.5	17.0	14.5	13.0	8.0	7.5	---	---	22.0	20.5
31	---	---	---	---	16.0	14.5	7.5	7.0	---	---	21.5	21.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	22.5	21.0	22.0	21.0	23.5	22.5	31.5	29.5	31.0	29.5	29.0	28.0
2	22.0	21.5	22.5	21.5	25.0	23.0	31.0	30.0	31.5	29.5	28.5	26.5
3	21.5	21.0	23.5	22.5	25.0	24.5	31.0	30.0	31.0	30.0	26.5	26.0
4	21.5	20.5	23.0	22.5	25.5	24.5	31.5	30.0	31.0	30.5	28.0	26.0
5	21.5	20.0	23.0	22.0	26.5	25.0	31.0	30.5	31.0	30.0	28.5	27.0
6	21.5	19.5	23.0	22.0	27.5	26.0	32.0	30.5	31.5	30.5	29.5	28.0
7	21.0	20.0	24.0	22.5	28.0	26.5	32.5	31.0	32.0	30.5	29.5	28.5
8	21.5	20.5	24.5	23.0	29.0	27.0	31.0	30.5	30.5	30.0	30.0	28.5
9	21.0	20.5	26.0	24.0	29.5	28.0	30.0	29.0	30.0	29.5	30.0	28.5
10	21.0	20.5	26.5	25.0	29.5	29.0	29.0	28.5	30.5	29.5	29.0	28.5
11	22.0	21.0	26.5	25.5	29.5	28.0	28.5	27.5	30.5	29.0	29.0	28.0
12	22.0	22.0	26.5	25.5	28.0	27.0	30.0	27.5	31.0	29.5	28.5	27.0
13	23.0	22.0	26.0	25.0	28.0	27.0	28.5	28.0	31.0	29.5	28.0	27.5
14	23.5	22.5	25.5	24.0	28.0	27.0	28.0	26.5	30.5	29.0	28.5	27.0
15	24.0	23.0	26.0	24.5	28.5	27.0	29.0	27.5	30.0	28.5	27.5	26.0
16	24.0	23.0	26.0	24.5	28.5	27.0	30.0	28.5	30.0	28.5	26.0	25.0
17	23.5	23.0	26.5	25.5	29.5	27.0	30.5	29.0	30.5	29.5	25.5	25.5
18	24.0	23.0	27.0	26.0	29.5	28.0	30.5	29.5	30.5	29.5	26.0	25.5
19	23.5	23.5	27.5	26.5	30.0	28.5	30.0	29.0	30.0	29.5	26.0	26.0
20	23.5	23.0	27.5	26.5	30.5	29.0	30.0	29.0	29.5	29.5	26.0	25.5
21	23.0	20.0	27.0	26.5	30.0	29.0	30.5	29.5	30.0	29.0	25.5	25.0
22	21.0	19.5	26.5	25.5	30.0	29.0	30.5	29.0	29.5	29.0	25.5	24.5
23	22.5	20.5	26.5	25.0	30.0	29.0	30.0	28.5	29.0	28.5	25.5	24.5
24	23.0	21.0	27.0	25.5	30.0	29.0	28.5	27.5	29.0	28.0	25.5	24.0
25	24.0	22.5	26.0	25.0	31.5	29.0	28.0	27.0	28.5	28.0	25.0	24.0
26	23.5	22.0	25.5	24.0	30.0	29.0	28.0	27.0	29.5	27.5	24.5	24.0
27	22.5	21.5	25.5	24.0	29.5	29.0	28.5	27.5	29.0	28.5	24.5	24.0
28	23.0	21.5	26.0	25.0	30.0	29.0	29.0	28.0	29.0	28.0	25.5	24.5
29	22.5	21.0	26.5	25.0	30.5	29.0	30.0	28.5	29.0	28.0	25.5	24.5
30	22.0	21.0	25.0	21.5	30.5	29.5	30.0	29.0	29.0	28.0	26.0	25.0
31	---	---	22.5	21.5	---	---	31.0	29.0	28.5	28.0	---	---

07385750 BAYOU TECHE NEAR OLIVIER, 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	1.6	.8							---	---	5.9	5.7
2	3.7	1.4							---	---	7.5	5.6
3	3.9	2.5							---	---	7.4	6.9
4	6.1	2.7							---	---	7.3	6.8
5	5.0	3.1							---	---	7.0	6.4
6	4.6	2.9							---	---	6.6	6.4
7	4.7	3.2							---	---	7.0	6.5
8	5.3	3.5							---	---	7.0	6.6
9	5.1	3.9							---	---	7.0	6.6
10	5.3	3.8							---	---	7.1	6.8
11	6.7	3.8							---	---	7.3	7.0
12	6.8	4.8							---	---	7.2	6.8
13	7.0	5.3							---	---	6.9	6.5
14	7.0	4.8							---	---	6.5	6.2
15	8.2	4.1							---	---	6.6	6.3
16	6.8	2.3							8.0	7.5	6.4	5.8
17	6.6	4.6							8.0	7.7	6.2	5.5
18	6.1	3.8							8.0	7.7	6.5	6.1
19	6.8	3.9							8.2	7.8	6.3	5.5
20	6.8	3.9							8.5	8.3	---	---
21	6.1	3.9							8.4	7.5	---	---
22	5.1	4.2							7.7	7.2	---	---
23	5.6	3.7							7.3	6.7	---	---
24	---	---							7.0	6.1	---	---
25	---	---							6.5	6.3	---	---
26	---	---							6.4	5.9	---	---
27	---	---							6.1	5.7	---	---
28	---	---							5.9	5.6	---	---
29	---	---							---	---	---	---
30	---	---							---	---	---	---
31	---	---							---	---	---	---

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	3.5	3.0	5.0	4.3	---	---	2.2	2.0	2.4	1.8
2	---	---	3.7	3.4	4.4	4.0	---	---	2.7	2.2	5.1	2.0
3	---	---	3.8	3.6	4.0	3.7	---	---	2.7	2.0	5.1	4.4
4	---	---	3.7	3.1	3.8	3.3	---	---	2.5	1.8	4.5	3.2
5	---	---	3.3	3.1	4.0	3.2	---	---	3.5	2.3	3.1	1.7
6	4.6	4.3	3.4	3.1	3.8	3.5	---	---	3.5	2.5	1.8	1.1
7	5.2	4.5	---	---	3.9	3.6	---	---	3.7	2.2	2.2	1.2
8	5.3	5.1	---	---	3.9	3.5	---	---	2.9	2.3	4.1	1.2
9	5.3	5.1	---	---	3.7	3.4	---	---	2.6	2.0	5.2	2.5
10	5.8	5.0	---	---	3.4	2.7	---	---	2.6	2.0	5.3	3.0
11	6.2	5.3	---	---	3.3	2.7	---	---	---	---	4.6	3.0
12	6.0	5.6	---	---	3.6	3.1	---	---	---	---	5.2	2.9
13	5.6	5.2	---	---	4.1	3.2	---	---	---	---	6.9	4.2
14	5.4	5.0	---	---	3.9	3.5	---	---	---	---	7.5	5.2
15	5.0	4.4	---	---	4.0	3.1	---	---	---	---	5.1	3.3
16	4.4	4.0	---	---	3.6	3.1	---	---	3.4	2.1	5.1	3.0
17	---	---	4.0	3.7	3.7	2.8	---	---	5.0	2.4	3.6	2.3
18	---	---	4.1	3.1	3.6	2.4	---	---	5.2	2.6	4.5	3.4
19	---	---	4.0	3.0	3.3	2.4	---	---	4.8	2.7	5.7	4.4
20	---	---	4.2	3.6	3.4	2.3	---	---	4.1	3.1	5.8	5.0
21	---	---	4.2	3.6	4.1	2.4	---	---	3.6	2.6	5.6	4.7
22	---	---	4.6	3.9	6.4	2.8	---	---	3.5	2.7	4.7	4.2
23	---	---	4.1	3.5	6.6	3.4	---	---	4.4	3.4	4.4	4.1
24	---	---	3.9	3.1	6.6	4.5	---	---	6.0	2.7	4.4	4.1
25	---	---	3.9	2.9	7.7	4.1	---	---	4.5	2.8	4.3	3.8
26	---	---	3.8	2.9	---	---	---	---	---	---	4.3	4.0
27	4.4	3.3	4.2	2.8	---	---	4.6	4.0	---	---	4.4	4.2
28	3.3	2.9	4.4	3.3	---	---	4.1	3.6	---	---	4.5	4.1
29	3.3	2.9	4.8	3.9	---	---	3.8	3.6	---	---	4.6	4.2
30	3.2	3.0	6.2	3.8	---	---	3.5	3.0	2.9	2.2	4.6	4.2
31	---	---	6.0	5.1	---	---	3.0	2.2	2.6	1.9	---	---

295845091313000 BAYOU TECHE AT CHARENTON, LA (CE 64380)

LOCATION.--Lat 29°53'25", long 91°31'30", T.13 S., R.9 E., St. Mary Parish, Hydrologic Unit 08080102, 0.5 mi (0.8 km) north of Charenton.

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, 32.5°C June 25, 28, July 1, 26, 1977, July 13, 1978; minimum daily, 4.0°C Jan. 19, 1977.
CHLORIDE: Maximum daily, 380 mg/L Aug. 29, 1978; minimum daily, 8.0 mg/L Feb. 19, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 29.5°C Oct. 2, 3, 5; minimum daily, 17.0°C Nov. 9.
CHLORIDE: Maximum daily, 44 mg/L Oct. 5; minimum daily, 26 mg/L Oct. 1, 8.

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

DAY	OCT	NOV	DAY	OCT	NOV
1	27.0	24.0	16	21.5	---
2	29.5	23.5	17	21.0	---
3	29.5	23.5	18	20.5	---
4	29.0	23.0	19	21.0	---
5	29.5	24.5	20	21.5	---
6	28.5	26.0	21	22.0	---
7	28.5	23.5	22	20.0	---
8	23.0	18.0	23	22.5	---
9	25.0	17.0	24	22.0	---
10	24.5	23.0	25	23.0	---
11	24.5	23.0	26	23.0	---
12	24.0	21.0	27	23.5	---
13	24.0	22.0	28	22.5	---
14	24.0	20.5	29	22.5	---
15	20.0	---	30	24.0	---
			31	25.0	---

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

DAY	OCT	NOV	DAY	OCT	NOV
1	26	36	16	39	---
2	36	42	17	36	---
3	38	36	18	30	---
4	34	28	19	38	---
5	44	32	20	38	---
6	29	32	21	40	---
7	33	34	22	36	---
8	26	32	23	40	---
9	29	32	24	40	---
10	27	36	25	38	---
11	28	38	26	36	---
12	32	48	27	34	---
13	---	32	28	30	---
14	32	42	29	30	---
15	29	---	30	34	---
			31	32	---

07385790 CHARENTON DRAINAGE CANAL NEAR BALDWIN, LA (CE64450)

LOCATION.--Lat 29°49'23", long 91°32'30", T.14 S., R.9 E., St. Mary Parish, Hydrologic Unit 08080102, about 35 ft (10.7 m) southwest of Southern Pacific Railroad bridge, 0.7 mi (1.1 km) south of Baldwin.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1958-1959, 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, 35.0°C July 13, 1978; minimum daily, 4.0°C Jan. 19, 1977.
CHLORIDE: Maximum daily, 680 mg/L Sep. 27, 1976; minimum daily, 5.1 mg/L May 5, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C Oct. 2; minimum daily, 18.5 Nov. 8.
CHLORIDE: Maximum daily, 150 mg/L Nov. 16, 17; minimum daily, 30 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	24.0	22.5	16	20.0	23.5
2	30.0	24.0	17	20.0	24.0
3	27.5	24.0	18	20.5	20.0
4	29.0	24.5	19	20.5	20.0
5	28.0	24.5	20	20.5	19.0
6	28.0	22.5	21	21.0	---
7	24.5	22.5	22	21.0	---
8	24.0	18.5	23	22.0	---
9	24.0	19.5	24	22.0	---
10	23.0	19.5	25	22.0	---
11	24.5	20.5	26	22.0	---
12	24.0	20.5	27	22.0	---
13	24.0	20.0	28	23.0	---
14	21.0	23.0	29	23.0	---
15	21.0	25.0	30	24.0	---
			31	22.5	---

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

DAY	OCT	NOV	DAY	OCT	NOV
1	35	48	16	71	150
2	43	48	17	46	150
3	38	46	18	58	34
4	35	36	19	50	32
5	45	44	20	48	36
6	49	42	21	38	---
7	30	34	22	38	---
8	38	38	23	36	---
9	38	46	24	36	---
10	52	34	25	44	---
11	44	40	26	40	---
12	72	44	27	38	---
13	73	44	28	34	---
14	33	40	29	32	---
15	32	42	30	32	---
			31	38	---

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", in lot 61, T.12 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi (3.2 km) south of Abbeville.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year (gage height only). Unpublished gage-height records, September 1972 to September 1978, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 5.81 ft (1.771 m) below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR CURRENT YEAR.--Maximum gage height not determined; minimum gage height, 1.38 ft (0.421 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	5.84	6.03	6.14	6.00	4.56	5.85	6.54	---	10.71	4.41	6.31	6.85
2	6.01	5.35	6.62	2.25	5.54	5.96	7.31	---	9.48	5.01	6.04	6.36
3	5.79	5.32	6.59	2.81	5.52	11.00	7.06	---	8.61	5.14	6.07	6.24
4	5.81	5.50	6.11	5.14	5.33	9.72	6.53	---	8.21	5.47	5.97	6.01
5	5.91	5.60	5.19	5.18	7.04	8.32	5.41	---	8.21	5.31	5.96	5.46
6	5.55	6.36	6.14	4.59	9.72	6.98	6.25	---	8.34	5.25	5.57	5.22
7	4.90	5.19	6.12	6.41	9.66	6.46	6.94	---	8.63	5.24	5.37	5.29
8	5.50	4.43	5.83	3.56	7.90	5.88	7.12	---	8.67	5.24	5.59	5.47
9	5.88	5.37	5.63	4.00	6.39	6.18	6.68	8.84	8.24	5.20	5.54	4.81
10	5.84	5.99	4.27	5.48	6.08	6.34	7.01	9.12	8.16	5.33	5.27	5.14
11	5.68	6.09	5.36	5.43	6.14	5.41	8.62	8.81	6.90	5.12	4.99	6.17
12	6.07	5.64	4.60	5.30	6.19	5.64	8.84	8.42	4.46	4.66	4.65	6.42
13	6.23	6.01	5.36	5.96	5.96	6.01	7.90	7.31	5.20	4.94	4.90	6.01
14	4.43	6.16	4.67	3.79	6.12	5.81	6.74	6.71	4.80	6.23	5.31	6.71
15	4.79	5.96	5.68	3.98	5.90	4.81	6.51	7.10	5.44	5.49	5.52	5.24
16	5.90	6.17	5.61	5.46	5.45	5.66	6.51	6.87	5.18	5.10	5.65	4.83
17	4.79	6.07	4.72	5.11	4.51	5.70	6.53	6.84	5.51	5.21	5.70	6.02
18	5.50	4.86	5.54	4.74	5.10	6.11	6.36	6.84	5.80	5.30	5.57	6.39
19	5.47	5.56	5.45	5.15	4.34	6.00	6.63	7.66	6.27	5.82	5.62	6.42
20	5.42	5.26	5.39	5.68	5.30	5.61	---	7.43	6.00	5.60	5.62	7.40
21	5.57	5.10	4.92	4.33	5.69	6.01	---	7.94	5.82	5.64	5.50	9.20
22	5.58	5.59	4.59	3.84	5.88	6.67	---	8.10	5.39	5.65	5.29	6.90
23	5.80	5.96	5.14	5.63	8.86	7.84	---	8.34	5.39	6.29	5.49	6.15
24	5.56	4.84	5.53	8.18	9.81	5.34	---	6.83	5.09	8.40	5.34	5.86
25	5.84	5.39	3.50	6.25	8.25	4.94	---	6.30	4.62	9.30	5.50	5.53
26	6.04	5.83	5.42	6.71	5.72	6.43	---	6.94	4.37	10.31	5.69	5.96
27	5.20	7.38	5.05	5.86	6.00	7.23	---	7.00	4.71	9.75	5.63	6.10
28	4.88	6.09	5.70	4.67	6.50	7.12	---	6.78	4.66	8.64	5.81	6.26
29	4.98	6.13	6.13	5.19	---	7.52	---	6.87	4.95	7.30	6.10	6.09
30	5.32	5.62	6.43	6.16	---	7.51	---	8.00	4.39	6.64	6.43	5.74
31	5.77	---	6.24	6.68	---	7.11	---	12.06	---	6.56	6.99	---
MEAN	5.54	5.70	5.47	5.15	6.41	6.55	---	---	6.41	6.11	5.64	6.08
MAX	6.23	7.38	6.62	8.18	9.81	11.00	---	12.06	10.71	10.31	6.99	9.20
MIN	4.43	4.43	3.50	2.25	4.34	4.81	5.41	6.30	4.37	4.41	4.65	4.81

295010092080100 VERMILION RIVER (NEAR BANKER) NEAR HENRY, LA (CE 67875)

LOCATION.--Lat 29°50'10", long 92°08'01", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, 4.6 mi (7.4 km) southwest of Henry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	0950	3110	7.1	50	50	<1.0	4.9	69	.0	K3200	K110	310
22...	0930	3320	7.2	40	45	<1.0	5.8	37	1.8	--	K120	290
DEC												
20...	1015	296	7.0	80	85	<1.0	7.1	47	2.7	K1900	84	57
JAN												
31...	1200	3690	7.5	40	250	<1.0	11.5	130	2.1	K5200	K220	310

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	250	36	53	480	76	12	22	67	0	55	120	870
22...	230	33	49	510	64	13	260	64	0	52	300	790
DEC												
20...	23	13	6.0	38	56	2.2	5.5	42	0	34	16	64
JAN												
31...	270	22	61	600	79	15	25	45	0	37	170	1000

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	34	.27	.01	.28	1.2	.20	2	1	1	0	0
22...	--	.48	.01	.49	.92	.18	2	1	1	0	0
DEC											
20...	71	.51	.03	.54	1.2	.38	3	1	2	10	10
JAN											
31...	452	.22	.04	.26	1.7	.40	3	2	1	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	1	0	1	0	0	5	2	3	30	5
22...	0	0	0	0	20	0	5	2	3	40	10
DEC											
20...	0	1	1	0	30	0	10	5	5	140	14
JAN											
31...	0	1	1	0	20	0	11	7	4	40	12

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

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

295010092080100 VERMILION RIVER (NEAR BANKER) NEAR HENRY, LA (CE 67875)--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 (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)
NOV												
01...	5	0	.0	.0	.0	4	4	0	1	1	0	--
22...	9	1	.1	.0	.1	3	3	0	1	0	1	--
DEC												
20...	13	1	.0	.0	.0	7	4	3	0	0	0	.8
JAN												
31...	12	0	.0	.0	.0	11	11	0	0	0	0	--

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	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...	20	0	20	11	.00	0	--	.0	.00	.000	.0	.000
22...	20	10	10	11	.00	1	--	.0	.00	.000	.0	.000
DEC												
20...	40	30	10	47	.00	2	--	.0	--	.000	.0	.001
JAN												
31...	50	50	0	21	.00	3	5	.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	.002	.000	.000	.00	.000	.000	.001	.00	.00
22...	.000	.300	.02	.001	.000	.000	.00	.000	.000	.000	.01	.00
DEC												
20...	.000	.001	.03	.004	.000	.000	.00	.000	.000	.001	.00	.00
JAN												
31...	.000	.003	.00	.001	.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												
01...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.01	6.43	.000
22...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.27	.288
DEC												
20...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	.000	.000
JAN												
31...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	.000	.000

294150092055000 VERMILION BAY AT REDFISH POINT, NEAR HENRY, LA (CE 96118)

LOCATION.--Lat 29°41'50", long 92°05'50", T.15 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, 12.9 mi (20.8 km) south-southwest of Henry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	0930	9810	7.6	5	5	<1.0	8.3	110	.8	250	<5	1000
22...	0915	9840	7.7	15	7	<1.0	9.3	60	1.4	660	K16	980
DEC												
20...	1000	11700	7.7	10	6	<1.0	9.3	240	.5	320	<5	1300
JAN												
31...	1205	3720	7.6	30	250	<1.0	11.8	--	2.4	K6500	K380	--

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	930	78	200	1800	78	25	69	86	0	71	470	3100
22...	920	80	190	1700	77	24	79	80	0	66	450	3000
DEC												
20...	1200	98	250	2100	77	26	97	88	0	72	570	3700
JAN												
31...	--	--	--	--	--	--	--	45	0	37	--	--

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	17	.01	.01	.02	.74	.13	2	0	2	0	0
22...	18	.00	.01	.01	.68	.09	2	1	1	0	0
DEC											
20...	0	.20	.01	.21	.27	.06	1	0	1	10	0
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	1	0	1	0	0	4	0	4	10	3
22...	0	0	0	0	10	0	3	0	3	10	5
DEC											
20...	10	0	0	0	10	3	5	3	2	10	8
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

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

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

294150092055000 VERMILION BAY AT REDFISH POINT, NEAR HENRY, LA (CE 96118)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV												
01...	2	1	.0	.0	.0	4	4	0	0	0	0	20
22...	4	1	.0	.0	.0	1	1	0	1	0	1	20
DEC												
20...	7	1	.0	.0	.0	8	5	3	0	0	0	30
JAN												
31...	--	--	--	--	--	--	--	--	--	--	--	--

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)
NOV												
01...	0	20	5.8	.00	0	0	.0	.00	.000	.0	.000	.000
22...	0	20	7.3	.00	2	0	.0	.00	.000	.0	.000	.000
DEC												
20...	0	30	6.0	.00	1	--	.0	--	.000	.0	.000	.000
JAN												
31...	--	--	--	--	--	0	.0	--	.000	.0	.000	.000

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)
NOV												
01...	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00
22...	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
20...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
NOV											
01...	.00	.00	.00	.00	.0	.00	.01	.01	.01	3.35	.000
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.29	.173
DEC											
20...	.00	.00	.00	.00	.0	.00	--	--	--	5.08	.000
JAN											
31...	.00	.00	.00	.00	.0	--	.00	.00	.00	.000	.000

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)

LOCATION.--Lat 29°41'10", long 91°53'30", R.6 E., T.15 S., Iberia Parish, Hydrologic Unit 08080103, at Cypremort Point, 13 mi (21 km) south of Avery Island, 8 mi (13 km) southwest of Louisa.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1977 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, 26.0°C several days during June 1979; minimum, 1.0°C Feb. 1, 1979.
CHLORIDE: Maximum, 5,700 mg/L Dec. 12, 1978; minimum, 100 mg/L Feb. 28, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 26.0°C several days during June; minimum, 1.0°C Feb. 1.
CHLORIDE: Maximum, 5,700 mg/L Dec. 12; minimum, 100 mg/L Feb. 28.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
31...	1200	3670	8.3	10	15	<1.0	9.0	72	1.5	K1800	<5	440
NOV												
21...	1135	7390	8.1	30	10	<1.0	9.1	90	1.3	1200	<5	860
DEC												
20...	0945	11100	7.7	10	3	<1.0	9.5	190	.4	1300	<5	1200
JAN												
31...	1215	111	7.1	150	200	<1.0	10.2	61	3.5	K810000	K4500	27

DATE	HARDNESS, NONCARBONATE (MG/L 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)
OCT												
31...	320	61	71	570	72	12	23	144	0	118	200	1000
NOV												
21...	760	82	160	1200	74	18	50	128	0	110	380	2200
DEC												
20...	1100	94	230	2000	77	25	88	78	0	64	490	3600
JAN												
31...	6	7.1	2.3	12	46	1.0	3.1	26	0	21	8.5	20

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
OCT											
31...	16	.09	.01	.10	.97	.06	2	1	1	0	0
NOV											
21...	3	.11	.01	.12	.62	.06	2	1	1	0	0
DEC											
20...	5	.24	.01	.25	.19	.06	1	0	1	10	0
JAN											
31...	136	.41	.12	.53	1.7	.57	3	2	1	10	10

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

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

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
OCT 31...	0	0	0	0	0	0	4	1	3	10	10
NOV 21...	0	0	0	0	0	0	4	2	2	10	1
DEC 20...	10	1	1	0	10	0	5	2	3	20	7
JAN 31...	0	1	0	1	20	0	10	6	4	280	13

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	VANADIUM, DISSOLVED (UG/L AS V)
OCT 31...	9	1	.0	.0	.0	4	4	0	0	0	0	--
NOV 21...	1	0	.0	.0	.0	0	0	0	1	0	1	--
DEC 20...	6	1	.0	.0	.0	6	4	2	1	0	1	--
JAN 31...	12	1	.0	.0	.0	7	6	1	0	0	0	.9

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 31...	20	10	10	7.5	.00	1	0	.0	.00	.000	.0	.000
NOV 21...	30	10	20	6.9	.00	1	0	.0	.00	.000	.0	.000
DEC 20...	30	0	30	6.1	.00	1	--	.0	--	.000	.0	.000
JAN 31...	40	30	10	15	.00	1	2	.0	--	.000	.0	.001

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)
OCT 31...	.000	.000	.01	.001	.00	.00	.00	.000	.000	.006	.00	.00
NOV 21...	.000	.001	.00	.001	.00	.00	.00	.000	.000	.000	.00	.00
DEC 20...	.000	.000	.01	.000	.00	.00	.00	.000	.000	.000	.00	.00
JAN 31...	.000	.004	.10	.004	.00	.00	.00	.001	.000	.001	.00	.00

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--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												
31...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	24.2	.000
NOV												
21...	.00	.00	.00	.00	.00	.0	.00	.01	.01	.01	9.09	.184
DEC												
20...	.00	.00	.00	.00	.00	.0	.00	.03	.01	.00	1.79	.000
JAN												
31...	.00	.00	.00	.00	.00	.0	--	.40	.00	.00	.000	.000

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	---	21.0	14.0	---	1.0	14.0	20.0	19.0	25.0	27.0		
2	---	21.0	17.0	6.0	5.0	16.0	---	22.0	25.0	---		
3	25.0	22.0	17.0	7.0	9.0	19.0	18.0	24.0	25.0	28.0		
4	26.0	21.0	---	8.0	9.0	15.0	16.0	24.0	---	27.0		
5	26.0	21.0	15.0	8.0	9.0	11.0	14.0	20.0	26.0	28.0		
6	22.0	19.0	16.0	8.0	6.0	12.0	18.0	19.0	26.0	27.0		
7	20.0	19.0	18.0	8.0	6.0	15.0	18.0	---	26.0	28.0		
8	19.0	16.0	19.0	---	6.0	16.0	19.0	23.0	26.0	28.0		
9	20.0	17.0	6.0	---	4.0	---	---	23.0	26.0	28.0		
10	20.0	17.0	---	5.0	2.0	12.0	20.0	19.0	26.0	28.0		
11	21.0	19.0	---	5.0	4.0	14.0	22.0	18.0	---	28.0		
12	21.0	20.0	---	6.0	---	---	22.0	17.0	20.0	28.0		
13	---	21.0	---	9.0	10.0	15.0	22.0	17.0	21.0	27.0		
14	---	21.0	---	9.0	12.0	12.0	20.0	18.0	22.0	---		
15	22.0	---	---	---	14.0	16.0	24.0	20.0	23.0	27.0		
16	22.0	---	---	8.0	14.0	16.0	22.0	20.0	22.0	27.0		
17	22.0	---	13.0	8.0	6.0	16.0	22.0	22.0	24.0	27.0		
18	20.0	---	14.0	9.0	6.0	18.0	22.0	23.0	---	27.0		
19	20.0	---	14.0	11.0	---	---	22.0	23.0	27.0	27.0		
20	18.0	---	13.0	9.0	9.0	19.0	22.0	23.0	26.0	27.0		
21	16.0	---	---	7.0	10.0	19.0	20.0	23.0	25.0	27.0		
22	17.0	---	13.0	---	13.0	20.0	20.0	25.0	26.0	---		
23	18.0	---	---	9.0	14.0	16.0	---	22.0	26.0	---		
24	20.0	---	---	3.0	14.0	12.0	22.0	22.0	26.0	---		
25	20.0	---	---	5.0	7.0	12.0	23.0	17.0	26.0	---		
26	20.0	---	---	8.0	---	---	23.0	18.0	26.0	---		
27	20.0	---	---	---	---	16.0	23.0	18.0	26.0	---		
28	---	---	---	---	---	---	---	20.0	26.0	---		
29	15.0	---	---	---	---	---	---	20.0	26.0	---		
30	15.0	---	---	7.0	---	---	---	22.0	26.0	---		
31	14.0	---	---	4.0	---	---	---	25.0	---	---		

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--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	---	2000	1400	---	2700	1200	---	600	300	360		
2	---	2000	3500	3400	2700	1200	---	600	300	---		
3	1000	1900	2700	3000	2800	1100	1000	700	400	370		
4	1100	1900	---	3100	3100	1000	800	400	---	370		
5	1000	2000	2600	3400	---	200	800	600	300	340		
6	1200	2000	2400	4300	2400	1100	900	400	400	340		
7	1200	2000	3400	3600	1900	1000	1400	---	400	390		
8	1000	2000	2500	---	2400	1000	1600	500	400	390		
9	1000	2400	2500	3100	2700	---	---	600	300	---		
10	1000	2500	2500	3300	2300	900	1100	600	300	440		
11	1000	2500	---	3300	2200	1100	1100	400	---	390		
12	1000	2600	5700	3200	---	---	800	300	400	400		
13	---	2600	5500	3500	2700	700	800	400	400	360		
14	---	2700	3500	3500	2600	700	1000	300	300	---		
15	2700	---	3300	---	2500	800	1100	400	400	370		
16	2500	---	4000	3200	2300	700	1000	400	400	380		
17	2500	---	3500	3400	2200	700	1200	400	400	350		
18	2500	---	3500	3300	1600	800	1100	400	---	370		
19	2800	---	3400	3400	---	---	1000	400	300	390		
20	2700	---	3300	3800	1400	200	1100	300	300	390		
21	2800	---	3400	3200	1400	200	1100	400	370	---		
22	2500	---	---	---	1500	200	700	200	370	---		
23	2500	---	---	3600	700	200	---	400	360	---		
24	2600	---	---	3000	1500	500	800	300	360	---		
25	2500	---	---	3400	1400	300	900	400	350	---		
26	2400	---	---	3300	---	---	500	300	420	---		
27	---	---	---	---	1300	400	800	400	320	---		
28	2500	---	---	---	100	500	700	300	320	---		
29	2500	---	---	---	---	---	---	400	320	---		
30	1900	---	---	2800	---	---	---	400	340	---		
31	2000	--	---	2800	---	---	---	300	---	---		

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)

LOCATION.--Lat 29°47'00", long 92°11'40", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, north bank at east end of lock and 2.3 mi (3.7 km) west of Intracoastal City.

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, 35.0°C July 26, Aug. 1, 1977; minimum daily, 7.0°C Feb. 6, 1977, Jan. 19, 21, 22, 23, 1978.
CHLORIDE: Maximum daily, 5,600 mg/L Oct. 20, 1976; minimum daily, 8.0 mg/L July 13, 14, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 28.0°C Oct. 2; minimum daily, 22.5°C Oct. 11, 14.
CHLORIDE: Maximum daily, 680 mg/L Oct. 13; minimum daily, 430 mg/L Oct. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1010	4300	7.6	60	85	<1.0	6.2	57	1.0	740	K30	440
22...	0945	7990	7.6	30	40	<1.0	7.4	50	.9	580	K44	840
DEC												
20...	1025	3100	7.2	80	170	<1.0	7.2	92	1.4	2300	92	320
JAN												
31...	1147	875	7.2	75	300	<1.0	10.3	88	2.6	K46000	K4000	76

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	370	46	78	740	77	15	28	80	0	66	170	1300
22...	770	73	160	1300	75	20	62	85	0	70	680	2000
DEC												
20...	280	34	57	500	76	12	23	52	0	43	110	850
JAN												
31...	52	5.7	15	140	78	7.0	8.4	29	0	24	36	240

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	120	.22	.00	.22	.98	.13	2	1	1	0	0
22...	77	.04	.01	.05	.86	.06	2	1	1	0	0
DEC											
20...	229	.19	.01	.20	.61	.04	3	2	1	10	0
JAN											
31...	840	.29	.16	.45	1.9	.39	8	7	1	10	10

< 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).

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	1	0	1	10	0	8	5	3	40	13
22...	0	0	0	0	10	0	5	3	2	20	9
DEC											
20...	10	0	0	0	10	0	12	9	3	40	14
JAN											
31...	0	1	0	1	30	0	19	14	5	150	25

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV												
01...	13	0	.0	.0	.0	8	8	0	0	0	0	30
22...	9	0	.1	.0	.1	3	3	0	1	0	1	30
DEC												
20...	13	1	.0	.0	.0	14	14	0	0	0	0	60
JAN												
31...	25	0	.0	.0	.0	11	8	3	0	0	0	70

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
NOV												
01...	20	10	13	.00	9	0	.0	.00	.000	.0	.000	.000
22...	10	20	9.6	.00	1	0	.0	.00	.000	.0	.000	.000
DEC												
20...	50	10	16	.00	2	--	.0	--	.000	.0	.000	.000
JAN												
31...	50	20	27	.00	1	6	.0	--	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
NOV												
01...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
22...	.003	.00	.003	.000	.000	.00	.000	.000	.001	.00	.00	.00
DEC												
20...	.001	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
NOV											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.76	.000
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.94	<.115
DEC											
20...	.00	.00	.00	.00	.0	.00	--	--	--	2.19	.000
JAN											
31...	.00	.00	.00	.00	.0	.00	.03	.00	.00	4.34	.000

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)--Continued

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

DAY	OCT	DAY	OCT
1	25.0	16	---
2	28.0	17	---
3	24.5	18	---
4	24.5	19	---
5	24.0	20	---
6	26.0	21	---
7	24.0	22	---
8	25.0	23	---
9	23.0	24	---
10	24.0	25	---
11	22.5	26	---
12	23.0	27	---
13	23.5	28	---
14	22.5	29	---
15	---	30	---
		31	---

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

DAY	OCT	DAY	OCT
1	430	16	---
2	450	17	---
3	480	18	---
4	480	19	---
5	520	20	---
6	520	21	---
7	550	22	---
8	550	23	---
9	540	24	---
10	520	25	---
11	640	26	---
12	600	27	---
13	680	28	---
14	620	29	---
15	---	30	---
		31	---

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)

LOCATION.--Lat 29°47'05", long 92°11'53", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, on north bank at west end of lock and 2.5 mi (4.0 km) west of Intracoastal City.

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, 35.0°C July 26, Aug. 1, 1977; minimum daily, 6.0°C Jan. 21, 1978.
CHLORIDE: Maximum daily, 5,100 mg/L Sep. 24, 1976; minimum daily, 3.0 mg/L July 15, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 28.0°C Oct. 2; minimum daily, 22.5°C Oct. 11.
CHLORIDE: Maximum daily, 640 mg/L Oct. 13; minimum daily, 390 mg/L Oct. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-CORALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1015	4300	7.6	70	85	<1.0	6.6	79	.3	5000	K130	430
22...	1000	7950	7.6	20	45	<1.0	7.6	40	1.0	400	K16	850
DEC												
20...	1020	3090	7.3	70	170	<1.0	7.6	85	1.6	400	K28	320
JAN												
31...	1143	757	7.2	100	300	<1.0	10.1	--	2.5	33000	2200	--

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	360	47	76	720	77	15	28	85	0	70	170	1300
22...	780	76	160	1300	75	19	62	81	0	66	370	2500
DEC												
20...	280	34	57	500	76	12	24	52	0	43	170	870
JAN												
31...	--	--	--	--	--	--	--	31	0	25	--	--

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	35	.23	.00	.23	.91	.15	2	1	1	0	0
22...	67	.03	.05	.08	.80	.06	2	1	1	0	0
DEC											
20...	207	.20	.03	.23	.55	.10	3	2	1	10	10
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

< 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).

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	0	0	0	10	0	9	6	3	20	9
22...	0	0	0	0	10	0	4	2	2	20	7
DEC											
20...	0	1	1	0	20	0	14	10	4	40	14
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV												
01...	9	0	.0	.0	.0	8	8	0	0	0	0	30
22...	7	0	.1	.1	.0	3	3	0	1	0	1	40
DEC												
20...	14	0	.0	.0	.0	14	14	0	0	0	0	70
JAN												
31...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
NOV												
01...	20	10	13	.00	1	0	.0	.00	.000	.0	.000	.000
22...	20	20	9.5	.00	0	0	.0	.00	.000	.0	.000	.000
DEC												
20...	60	10	--	.00	1	--	.0	--	.000	.0	.000	.000
JAN												
31...	--	--	--	--	--	0	--	--	--	--	--	--

DATE	ODT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
NOV												
01...	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00	.00
22...	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
20...	.001	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
NOV											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	7.25	.000
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.726	.120
DEC											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000
JAN											
31...	--	--	--	--	--	--	--	--	--	.000	.000

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)--Continued

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

DAY	OCT	DAY	OCT
1	25.0	16	---
2	28.0	17	---
3	24.5	18	---
4	24.5	19	---
5	24.0	20	---
6	26.0	21	---
7	24.0	22	---
8	25.0	23	---
9	23.0	24	---
10	24.0	25	---
11	22.5	26	---
12	23.0	27	---
13	23.5	28	---
14	---	29	---
15	---	30	---
		31	---

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

DAY	OCT	DAY	OCT
1	390	16	---
2	430	17	---
3	480	18	---
4	510	19	---
5	530	20	---
6	510	21	---
7	550	22	---
8	560	23	---
9	570	24	---
10	510	25	---
11	560	26	---
12	580	27	---
13	640	28	---
14	620	29	---
15	---	30	---
		31	---

294528092154801 SCHOONER BAYOU (INLAND WATERWAY) EAST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA (CE 76600)

LOCATION.--Lat 29°45'28", long 92°15'48", T.15 S., R.2 E., Vermilion Parish, Hydrologic Unit 08090202, at southeast fender of structure, 5.4 mi (8.7 km) southeast of Forked Island.

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 the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 31.5°C July 26, 27, 1977; minimum daily, 1.0°C Jan. 10, 1977.
CHLORIDE: Maximum daily, 7,200 mg/L Oct. 30, 1976; minimum daily, 30 mg/L Mar. 25, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 26.5°C Oct. 5; minimum daily 21.0°C Oct. 10.
CHLORIDE: Maximum daily, 640 mg/L Oct. 13; minimum daily, 190 mg/L Oct. 2, 3.

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

DAY	OCT	DAY	OCT
1	24.5	16	---
2	24.0	17	---
3	24.5	18	---
4	25.5	19	---
5	26.5	20	---
6	25.0	21	---
7	22.5	22	---
8	21.5	23	---
9	22.0	24	---
10	21.0	25	---
11	23.0	26	---
12	23.0	27	---
13	23.0	28	---
14	23.0	29	---
15	---	30	---
		31	---

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

DAY	OCT	DAY	OCT
1	200	16	---
2	190	17	---
3	190	18	---
4	310	19	---
5	370	20	---
6	230	21	---
7	420	22	---
8	260	23	---
9	360	24	---
10	400	25	---
11	400	26	---
12	500	27	---
13	640	28	---
14	600	29	---
15	---	30	---
		31	---

294528092154800 SCHOONER BAYOU (INLAND WATERWAY) WEST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA (CE 76680)

LOCATION.--Lat 29°45'28", long 92°15'50", T.15 S., R.2 E., Vermilion Parish, Hydrologic Unit 08090202, at southwest fender of structure, 5.4 mi (8.7 km) southeast of Forked Island.

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 the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 31.5°C July 26, 27, 1977, June 25, 1978; minimum daily, 1.0°C Jan. 10, 1977.
CHLORIDE: Maximum daily, 4,600 mg/L Sep. 24, 27, 1976; minimum daily, 30 mg/L Feb. 4, 1977.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 26.5°C Oct. 5; minimum daily, 21.0°C Oct. 10.
CHLORIDE: Maximum daily, 520 mg/L Oct. 14; minimum daily, 200 mg/L Oct. 1, 2.

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

DAY	OCT	DAY	OCT
1	24.5	16	---
2	24.0	17	---
3	24.5	18	---
4	25.5	19	---
5	26.5	20	---
6	---	21	---
7	22.5	22	---
8	21.5	23	---
9	22.0	24	---
10	21.0	25	---
11	23.0	26	---
12	23.0	27	---
13	23.0	28	---
14	23.0	29	---
15	---	30	---
		31	---

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

DAY	OCT	DAY	OCT
1	200	16	---
2	200	17	---
3	220	18	---
4	380	19	---
5	430	20	---
6	---	21	---
7	420	22	---
8	380	23	---
9	400	24	---
10	400	25	---
11	420	26	---
12	220	27	---
13	260	28	---
14	520	29	---
15	---	30	---
		31	---

293316092182000 FRESHWATER CANAL ABOVE FRESHWATER BAYOU LOCK (NORTH), NEAR FORKED ISLAND, LA (CE 76591)

LOCATION.--Lat 29°33'16", long 92°18'20", T.16 S., R.2 E., Vermilion Parish, Hydrologic Unit 08080202, on north side of lock, 18.9 mi (30.4 km) south of Forked Island.

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, 32.0°C Aug. 4, 24, 1978; minimum daily 5.0°C Jan. 20, 1978.
CHLORIDE: Maximum daily, 16,000 mg/L Aug. 10, 11, 1976, May 30, June 1, 5, 1977; minimum daily, 280 mg/L May 15, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 26.5°C Oct. 6; minimum daily, 22.0°C Oct. 9.
CHLORIDE: Maximum daily, 8,100 mg/L Oct. 8; minimum daily, 5,800 mg/L Oct. 5.

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

DAY	OCT	DAY	OCT
1	25.5	16	---
2	26.0	17	---
3	26.5	18	---
4	26.0	19	---
5	26.0	20	---
6	26.5	21	---
7	24.0	22	---
8	25.0	23	---
9	22.0	24	---
10	---	25	---
11	---	26	---
12	---	27	---
13	---	28	---
14	---	29	---
15	---	30	---
		31	---

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

DAY	OCT	DAY	OCT
1	6900	16	---
2	7000	17	---
3	6300	18	---
4	6000	19	---
5	5800	20	---
6	6700	21	---
7	6700	22	---
8	8100	23	---
9	6900	24	---
10	---	25	---
11	---	26	---
12	---	27	---
13	---	28	---
14	---	29	---
15	---	30	---
		31	---

294625092244000 WHITE LAKE IN NORTHEAST CORNER, NEAR LITTLE PRAIRIE RIDGE, NEAR FORKED ISLAND, LA (CE 96123)

LOCATION.--Lat 29°46'25", long 92°24'40", R.1 E., T.15 E., Vermilion Parish, Hydrologic Unit 08080202, 7.2 mi (11.6 km) southwest of Forked Island.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1030	1802	6.4	60	10	<1.0	8.0	39	--	250	<5	170
22...	1015	1960	6.8	15	15	<1.0	9.2	27	.7	K60	<5	190
DEC												
20...	1040	1990	6.8	30	35	<1.0	8.8	43	.5	150	K10	200
JAN												
31...	1130	1920	6.9	30	120	<1.0	11.8	--	1.6	K700	K200	--

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	170	17	31	280	77	9.3	12	6	0	5	96	510
22...	180	20	33	310	77	9.9	15	11	0	9	120	530
DEC												
20...	190	22	34	310	76	9.7	15	12	0	10	91	550
JAN												
31...	--	--	--	--	--	--	--	12	0	10	--	--

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	21	.03	.01	.04	.75	.05	0	0	0	0	0
22...	8	.02	.01	.03	.58	.02	1	0	1	1	0
DEC											
20...	15	.05	.01	.06	.42	.02	1	1	0	10	10
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOV. (UG/L AS CD)	CADMIUM DISSOLVED (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 RECOV. (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	0	0	0	0	0	2	1	1	10	3
22...	1	1	0	1	0	0	3	1	2	10	3
DEC											
20...	0	1	0	1	1	1	6	4	2	30	1
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

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

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

294625092244000 WHITE LAKE IN NORTHEAST CORNER, NEAR LITTLE PRAIRIE RIDGE, NEAR FORKED ISLAND, LA (CE 96123)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV												
01...	3	0	.0	.0	.0	2	2	0	0	0	0	10
22...	3	0	.1	.1	.0	2	2	0	0	0	0	20
DEC												
20...	0	1	.0	.0	.0	6	3	3	0	0	0	20
JAN												
31...	--	--	--	--	--	--	--	--	--	--	--	--

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)
NOV												
01...	0	10	4.5	.00	2	0	.0	.00	.000	.0	.000	.000
22...	20	3	4.4	.00	2	0	.0	.00	.000	.0	.000	.000
DEC												
20...	0	20	7.1	.00	0	--	.0	--	.000	.0	.000	.000
JAN												
31...	--	--	--	--	--	0	--	--	--	--	--	--

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)
NOV												
01...	.000	.00	.000	.000	.000	.00	.000	.000	.002	.00	.00	.00
22...	.001	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	--	--	--	--	--	--	--	--	--	--	--	--

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)
NOV											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.15	.000
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.12	.115
DEC											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.63	.000
JAN											
31...	--	--	--	--	--	--	--	--	--	.000	.000

294530092360000 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 96128)

LOCATION.--Lat 29°45'30", long 92°36'00", T.13 S., R.4 W., Cameron Parish, Hydrologic Unit 08080202, 7.7 mi (12.4 km) northeast of Grand Cheniere.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1110	1470	7.8	50	60	<1.0	8.1	44	1.0	180	<5	150
22...	1055	2350	7.8	30	65	<1.0	9.2	30	1.0	K140	K4	240
DEC												
20...	1130	2410	7.8	10	40	<1.0	9.3	54	.4	660	K20	260
JAN												
31...	1105	497	7.9	150	160	<1.0	11.5	45	1.8	1200	K30	71

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	95	18	25	210	74	7.5	11	67	0	55	57	360
22...	190	26	43	360	75	10	15	64	0	53	97	610
DEC												
20...	210	27	46	390	75	11	20	55	0	45	100	700
JAN												
31...	33	12	10	80	69	4.1	6.3	47	0	39	23	140

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	25	.00	.01	.01	.73	.14	2	1	1	0	0
22...	88	.06	.02	.08	.76	.11	3	2	1	0	0
DEC											
20...	31	.14	.03	.17	.52	.05	1	0	1	10	0
JAN											
31...	182	.42	.12	.54	1.2	.28	3	2	1	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	0	0	0	0	0	5	1	4	30	5
22...	0	1	1	0	20	0	4	1	3	10	6
DEC											
20...	10	0	0	0	0	4	4	2	2	20	7
JAN											
31...	0	0	0	0	20	0	9	6	3	70	13

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

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

294530092360000 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 96128)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV												
01...	5	0	.0	.0	.0	5	5	0	0	0	0	20
22...	5	1	.2	.2	.0	5	1	4	1	1	0	20
DEC												
20...	6	1	.0	.0	.0	4	2	2	1	1	0	20
JAN												
31...	13	0	.0	.0	.0	9	8	1	0	0	0	30

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)
NOV												
01...	10	10	9.1	.00	0	0	.0	.00	.000	.0	.000	.000
22...	10	10	7.2	.00	1	0	.0	.00	.000	.0	.000	.000
DEC												
20...	20	0	8.3	.00	1	--	.0	--	.000	.0	.000	.000
JAN												
31...	20	10	16	.00	3	0	.0	--	.000	.0	.000	.000

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)
NOV												
01...	.000	.01	.000	.001	.000	.00	.000	.000	.001	.00	.00	.00
22...	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
20...	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
NOV											
01...	.00	.00	.00	.00	.0	.00	.01	.01	.00	7.10	.000
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	5.02	.233
DEC											
20...	.00	.00	.00	.01	.0	.00	.00	.00	.00	2.28	.000
JAN											
31...	.00	.00	.00	.00	.0	.00	.01	.01	.00	2.04	.000

294333092272000 WHITE LAKE (EAST SIDE), 4.8 MILES WEST OF SCHOONER BAYOU, NEAR FORKED ISLAND, LA (CE 70690)

LOCATION.--Lat 29°43'33", long 92°27'20", T.15 S., R.1 W., Vermilion Parish, Hydrologic Unit 08080202, 12.0 mi (19.3 km) southwest of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1045	1840	6.2	5	10	<1.0	8.3	33	.3	470	<4	170
22...	1025	1900	6.8	10	15	<1.0	9.3	27	.8	K120	K4	190
DEC												
20...	1050	2080	6.8	30	35	<1.0	9.4	46	.2	400	K12	200
JAN												
31...	1125	1900	7.0	30	110	<1.0	11.3	79	2.0	1100	<5	160

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	170	13	33	290	77	9.7	12	6	0	5	95	510
22...	180	20	33	300	76	9.6	15	10	0	8	93	510
DEC												
20...	190	22	36	330	76	10	16	12	0	10	100	570
JAN												
31...	150	11	32	300	79	10	13	12	0	10	85	500

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	20	.03	.01	.04	.73	.05	0	0	0	0	0
22...	18	.03	.01	.04	.61	.02	0	0	0	1	0
DEC											
20...	26	.05	.01	.06	.31	.01	1	1	0	10	0
JAN											
31...	140	.16	.04	.20	1.0	.08	1	1	0	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	1	1	0	0	0	3	2	1	10	3
22...	1	1	0	1	10	0	4	0	4	10	6
DEC											
20...	10	0	0	0	0	1	1	0	1	30	2
JAN											
31...	0	1	0	1	20	0	5	2	3	0	2

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

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

294333092272000 WHITE LAKE (EAST SIDE), 4.8 MILES WEST OF SCHOONER BAYOU, NEAR FORKED ISLAND, LA (CE 70690)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV												
01...	3	0	.0	.0	.0	3	3	0	0	0	0	10
22...	6	0	.1	.1	.0	4	0	4	1	0	1	20
DEC												
20...	1	1	.0	.0	.0	3	0	3	0	0	0	10
JAN												
31...	2	0	.0	.0	.0	6	6	0	1	0	1	20

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)
NOV												
01...	0	10	4.4	.00	2	0	.0	.00	.000	.0	.000	.000
22...	20	3	4.5	.00	0	0	.0	.00	.00	.0	.00	.00
DEC												
20...	--	--	6.4	.00	1	--	.0	--	.000	.0	.000	.000
JAN												
31...	10	10	9.9	.00	0	2	.0	--	.000	.0	.000	.000

DATE	ODT, 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)
NOV												
01...	.000	.01	.000	.000	.00	.00	.000	.000	.003	.00	.00	.00
22...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC												
20...	.000	.00	.000	.000	.00	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	.000	.00	.001	.000	.00	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
NOV											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.06	.000
22...	.00	.00	.00	.00	0	.00	.00	.00	.00	2.06	.115
DEC											
20...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.65	.000
JAN											
31...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)

LOCATION.--Lat 30°00'10", long 92°46'37", in sec.16, T.12 S., R.4 W., Cameron Parish, Hydrologic Unit 08080202, 1.5 mi (2.4 km) southwest of Lowry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1125	507	7.5	50	95	<1.0	7.5	53	9.0	660	K20	66
22...	1100	400	7.5	100	95	<1.0	8.4	28	.7	460	K8	110
DEC												
20...	1140	377	7.6	80	75	<1.0	8.7	45	.2	K40	K16	66
JAN												
31...	1115	80	7.2	150	160	<1.0	--	58	--	14000	K750	19

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	21	12	8.8	65	66	3.5	5.6	55	0	45	22	110
22...	68	27	11	71	56	2.9	6.6	55	0	45	29	140
DEC												
20...	24	13	8.2	58	63	3.1	6.7	52	0	43	20	100
JAN												
31...	2	4.9	1.6	7.8	42	.8	3.8	21	0	17	14	8.0

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	61	.11	.02	.13	.81	.22	3	2	1	0	0
22...	50	.17	.04	.21	1.0	.17	2	1	1	0	0
DEC											
20...	29	.49	.03	.52	.55	.19	2	1	1	0	0
JAN											
31...	86	.19	.10	.29	2.1	.26	2	1	1	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	1	0	1	0	0	6	3	3	40	6
22...	0	1	0	1	0	0	8	0	8	80	5
DEC											
20...	0	0	0	0	0	1	14	0	14	90	2
JAN											
31...	0	0	0	1	20	0	9	5	4	230	9

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

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

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)--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 (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)
NOV												
01...	6	0	.0	.0	.0	6	6	0	0	0	0	.0
22...	4	1	.0	.0	.0	4	0	4	1	1	0	.0
DEC												
20...	0	2	.0	.0	.0	6	3	3	0	0	0	.3
JAN												
31...	9	0	.0	.0	.0	4	0	4	0	0	0	1.4

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)
NOV												
01...	10	0	10	8.9	.00	0	0	.0	.00	.000	.0	.000
22...	20	10	10	11	.00	2	0	.0	.00	.000	.0	.000
DEC												
20...	20	0	20	18	.00	1	--	.0	--	.000	.0	.000
JAN												
31...	20	10	10	18	.00	2	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	.01	.000	.018	.000	.00	.000	.000	.000	.00	.00
DEC												
20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
JAN												
31...	.000	.000	.00	.002	.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												
01...	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	9.32	.000
22...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.609	.120
DEC												
20...	.00	.00	.00	.00	.00	.0	.00	.05	.04	.00	.000	.000
JAN												
31...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.000	.000

295148092510100 MERMENTAU RIVER NORTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 70675)

LOCATION.--Lat 29°51'48", long 92°51'01", T.14 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, on northwest fender of structure, 9.8 mi (15.8 km) northeast of Grand Cheniere.

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, 30.5°C July 5, 1977, July 9, 11, Aug. 23, 1978; minimum daily, 4.0°C Jan. 20, 21, 1978.
CHLORIDE: Maximum daily, 12,000 mg/L Oct. 15, 1975; minimum daily, 7.0 mg/L Jan. 23, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 27.0°C Oct. 4, 6; minimum daily, 18.5°C Oct. 9.
CHLORIDE: Maximum daily, 2,600 mg/L Oct. 14; minimum daily, 100 mg/L Oct. 10.

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

DAY	OCT	DAY	OCT
1	24.0	16	---
2	25.0	17	---
3	26.0	18	---
4	27.0	19	---
5	25.5	20	---
6	27.0	21	---
7	22.0	22	---
8	20.0	23	---
9	18.5	24	---
10	21.0	25	---
11	21.5	26	---
12	23.0	27	---
13	23.0	28	---
14	20.0	29	---
15	---	30	---
		31	---

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

DAY	OCT	DAY	OCT
1	170	16	---
2	160	17	---
3	200	18	---
4	140	19	---
5	140	20	---
6	150	21	---
7	150	22	---
8	160	23	---
9	200	24	---
10	100	25	---
11	270	26	---
12	2200	27	---
13	1300	28	---
14	2600	29	---
15	---	30	---
		31	---

295146092510100 MERMENTAU RIVER SOUTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA (CE 70750)

LOCATION.--Lat 29°51'46", long 92°51'01", T.14 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, on southwest fender structure, 9.8 mi (15.8 km) northeast of Grand Cheniere.

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, 30.5°C July 5, Aug. 9, 1977, July 16, 18, 19, Aug. 23, 1978; minimum daily, 4.0°C Jan. 21, 22, 1978.
CHLORIDE: Maximum daily, 12,000 mg/L Oct. 15, 24, Nov. 1, 3, 1975, May 31, 1978; minimum daily, 8.0 mg/L Jan. 17, 21, 23, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 27.0°C Oct. 4, 6; minimum daily, 18.5°C Oct. 9.
CHLORIDE: Maximum daily, 4,000 mg/L Oct. 13; minimum daily, 140 mg/L Oct. 4. 6.

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

DAY	OCT	DAY	OCT
1	24.0	16	---
2	25.0	17	---
3	26.0	18	---
4	27.0	19	---
5	25.5	20	---
6	27.0	21	---
7	22.0	22	---
8	20.0	23	---
9	18.5	24	---
10	21.0	25	---
11	21.5	26	---
12	23.0	27	---
13	23.0	28	---
14	20.0	29	---
15	---	30	---
		31	---

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

DAY	OCT	DAY	OCT
1	160	16	---
2	160	17	---
3	150	18	---
4	140	19	---
5	160	20	---
6	140	21	---
7	150	22	---
8	170	23	---
9	180	24	---
10	190	25	---
11	270	26	---
12	2500	27	---
13	4000	28	---
14	2800	29	---
15	---	30	---
		31	---

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIERE, LA (CE 70375)

LOCATION.--Lat 29°46'30", long 92°53'35", T.15 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, at center of Upper Mud Lake, and 4.5 mi (7.2 km) east-northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1100	19800	7.7	30	200	12	8.1	270	2.7	800	K20	2200
22...	1045	27000	8.0	20	2	<1.0	10.4	350	3.5	K60	K20	3100
DEC												
20...	1105	2090	7.8	20	70	<1.0	9.1	60	.3	--	K30	220
JAN												
31...	1040	513	7.5	100	180	<1.0	11.7	--	2.4	3800	K180	--

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	2100	150	440	3800	78	35	150	117	0	96	1000	6800
22...	3000	210	630	5200	77	41	240	140	0	110	1500	9200
DEC												
20...	170	24	39	320	74	9.4	17	61	0	50	73	580
JAN												
31...	--	--	--	--	--	--	--	44	0	36	--	--

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	17	.00	.01	.01	.81	.11	2	1	1	0	0
22...	22	.00	.01	.01	.74	.06	1	0	1	0	0
DEC											
20...	76	.16	.01	.17	.37	.09	2	1	1	10	0
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	0	0	0	10	0	6	4	2	100	7
22...	0	0	0	0	30	0	5	0	5	20	5
DEC											
20...	10	1	1	0	0	0	5	3	2	50	5
JAN											
31...	--	--	--	--	--	--	--	--	--	--	--

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

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

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIERE, LA (CE 70375)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
NOV												
01...	7	0	.0	.0	.0	6	6	0	0	0	0	40
22...	4	1	.1	.1	.0	2	0	2	1	0	1	50
DEC												
20...	4	1	.0	.0	.0	8	5	3	0	0	0	10
JAN												
31...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (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. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
NOV												
01...	20	20	9.5	.00	0	0	.0	.00	.000	.0	.000	.000
22...	0	50	8.6	.00	0	0	.0	.00	.000	.0	.000	.000
DEC												
20...	0	10	11	.00	0	--	.0	--	.000	.0	.000	.000
JAN												
31...	--	--	--	--	--	0	.0	--	.000	.0	.000	.000

DATE	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
NOV												
01...	.000	.01	.000	.000	.000	.00	.000	.000	.003	.00	.00	.00
22...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
20...	.002	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	.002	.00	.001	.000	.000	.00	.000	.000	.000	--	.00	.00

DATE	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
NOV											
01...	.00	.00	.00	.00	.0	.00	.01	.00	.00	13.9	.000
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.99	.173
DEC											
20...	.00	.00	.00	.00	.0	.00	.01	.00	.00	5.91	.000
JAN											
31...	.00	.00	.00	.00	.0	--	.02	.01	.00	2.03	.000

295531092574500 GULF AND INTRACOASTAL WATERWAY AT LAKE MISERE, NEAR HAYES, LA (CE 96131)

LOCATION.--Lat 29°55'31", long 92°57'45", T.13 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, 12.8 mi (20.6 km) south-southwest of Hayes.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1140	594	7.5	50	60	<1.0	7.7	58	1.2	520	K10	78
22...	1120	725	7.6	80	50	<1.0	9.3	28	.9	200	K20	88
DEC												
20...	1145	678	7.6	60	95	<1.0	9.1	46	.3	140	K16	80
JAN												
31...	1055	270	7.0	100	150	<1.0	10.2	61	3.6	21000	320	38

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	29	13	11	81	68	4.0	5.0	60	0	49	20	140
22...	40	14	13	98	69	4.5	6.8	58	0	48	32	170
DEC												
20...	37	14	11	89	69	4.3	6.3	52	0	43	24	160
JAN												
31...	17	8.8	3.8	29	60	2.1	3.9	25	0	21	14	52

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	64	.03	.01	.04	.97	.12	2	1	1	0	0
22...	33	.02	.05	.07	1.1	.09	2	1	1	1	0
DEC											
20...	114	.11	.04	.15	.41	.09	2	1	1	0	0
JAN											
31...	100	.21	.12	.33	1.3	.23	2	1	1	0	0

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	0	0	0	0	10	0	4	1	3	70	6
22...	1	1	0	1	0	0	5	2	3	80	4
DEC											
20...	0	0	0	0	0	2	12	10	2	60	7
JAN											
31...	0	1	0	1	20	0	10	5	5	100	6

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

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

295531092474500 GULF AND INTRACOASTAL WATERWAY AT LAKE MISERE, NEAR HAYES, LA (CE 96131)--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 (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)
NOV												
01...	5	1	.0	.0	.0	3	3	0	0	0	0	--
22...	4	0	.1	.1	.0	9	9	0	1	0	1	--
DEC												
20...	5	2	.0	.0	.0	9	9	0	0	0	0	--
JAN												
31...	6	0	.0	.0	.0	6	6	0	0	0	0	.1

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)
NOV												
01...	10	0	10	13	.00	2	0	.0	.00	.000	.0	.000
22...	20	20	3	11	.00	3	0	.0	.00	.000	.0	.000
DEC												
20...	0	0	0	20	.00	1	--	.0	--	.000	.0	.000
JAN												
31...	20	10	10	16	.00	3	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	.001	.00	.00
22...	.000	.000	.00	.000	.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	.003	.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	.02	.00	.00	7.73	.000
22...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.50	.120
DEC												
20...	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	4.69	.000
JAN												
31...	.00	.00	.00	.00	.00	.0	.00	.03	.02	.00	.810	.000

295600093053000 INTRACOASTAL WATERWAY AT GIBBSTOWN, LA (CE 76873)

LOCATION.--Lat 29°56'00", long 93°05'30", T.13 S., R.6 W., Cameron Parish, Hydrologic Unit 08080202, at La. Highway 27 crossing at Gibbstown and at mile 220.0 (354.0 km).

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 RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 17, 18, 1978; minimum daily, 5.0°C Jan. 21, 1978.
CHLORIDE: Maximum daily, 1,000 mg/L June 21, 1976; minimum daily, 14 mg/L Jan. 14, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.5°C Nov. 2; minimum daily, 20.0°C Oct. 17, 18, 23, 24.
CHLORIDE: Maximum daily, 360 mg/L Oct. 23, 25, 26, 28, 29; minimum daily, 70 mg/L Oct. 2.

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

DAY	OCT	DAY	OCT
1	25.0	16	20.5
2	25.5	17	20.0
3	25.5	18	20.0
4	25.5	19	24.0
5	25.5	20	24.0
6	24.0	21	24.0
7	24.0	22	20.5
8	24.5	23	20.0
9	24.5	24	20.0
10	25.0	25	20.5
11	25.0	26	25.0
12	25.0	27	20.5
13	24.5	28	25.0
14	24.0	29	24.5
15	24.0	30	25.0
		31	25.5

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

DAY	OCT	NOV	DAY	OCT	NOV
1	85	180	16	130	---
2	70	350	17	170	---
3	85	360	18	190	---
4	85	---	19	250	---
5	180	---	20	260	---
6	180	---	21	260	---
7	170	---	22	210	---
8	180	---	23	360	---
9	170	---	24	350	---
10	180	---	25	360	---
11	180	---	26	360	---
12	100	---	27	350	---
13	120	---	28	360	---
14	80	---	29	360	---
15	120	---	30	350	---
			31	180	

295040093204000 CALCASIEU PASS AT ST. JOHN ISLAND, NEAR CAMERON, LA (CE 73649)

LOCATION.--Lat 29°50'40", long 93°20'40", T.14 S., R.10 W., Calcasieu Parish, Hydrologic Unit 08080206, 2.1 mi (3.4 km) northwest of Cameron.

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 (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
NOV												
01...	1150	36200	8.1	5	5	<1.0	8.9	360	1.3	240	K4	4200
22...	1130	36000	8.0	5	8	<1.0	9.8	240	2.0	300	K20	1100
DEC												
20...	1210	34100	8.2	60	50	<1.0	9.6	730	2.1	120	K12	4000
JAN												
31...	1025	9350	7.5	40	75	<1.0	11.5	290	2.4	1200	K55	910

DATE	HARDNESS, NONCARBONATE (MG/L 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												
01...	4100	270	860	7900	79	53	280	137	0	112	2000	14000
22...	1000	270	110	7500	91	97	350	156	0	130	1900	12000
DEC												
20...	3900	260	820	7100	78	49	300	131	0	107	1800	13000
JAN												
31...	870	50	190	1700	79	25	74	43	0	35	420	3000

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
NOV											
01...	24	.01	.01	.02	.81	.07	1	0	1	20	0
22...	37	.04	.01	.05	.68	.05	1	0	1	10	0
DEC											
20...	66	.04	.01	.05	.27	.09	1	0	1	20	10
JAN											
31...	102	.15	.02	.17	2.2	.13	1	0	1	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (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, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
NOV											
01...	20	1	0	1	10	0	3	0	3	20	5
22...	10	0	0	0	40	0	2	0	2	10	4
DEC											
20...	10	1	1	0	30	0	5	4	1	10	4
JAN											
31...	0	2	0	2	20	0	6	0	6	230	4

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

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

295040093204000 CALCASIEU PASS AT ST. JOHN ISLAND, NEAR CAMERON, LA (CE 73649)--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 (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
NOV												
01...	5	0	.0	.0	.0	2	2	0	0	0	0	40
22...	3	1	.2	.2	.0	0	0	0	1	0	1	70
DEC												
20...	3	1	.0	.0	.0	6	3	3	--	0	0	40
JAN												
31...	4	0	.0	.0	.0	16	0	16	0	0	0	--

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)
NOV												
01...	0	40	4.9	.00	0	0	.0	.00	.000	.0	.000	.000
22...	0	70	4.7	.00	3	0	.0	.00	.000	.0	.000	.000
DEC												
20...	0	40	7.6	.00	0	--	.0	--	.000	.0	.000	.000
JAN												
31...	--	70	9.5	.00	1	0	.0	--	.000	.0	.000	.000

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)
NOV												
01...	.000	.01	.000	--	.000	.00	.000	.000	.000	.00	.00	.00
22...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC												
20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN												
31...	.000	.00	.001	.001	.000	.00	.000	.000	.001	.00	.00	.00

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
NOV											
01...	.00	.00	.00	.00	.0	.00	.00	.00	.01	10.2	.000
22...	.00	.00	.00	.00	.0	.00	.00	.00	.00	3.35	.120
DEC											
20...	.00	.00	.00	.00	.0	.00	.01	.00	.00	23.6	.000
JAN											
31...	.00	.00	.00	.00	.0	.00	.00	.01	.00	.000	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

295500091100000 LAKE VERRET NEAR PIERRE PART, 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, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC												
08...	1120	364	8.4	19.5	5	20	1.0	4.4	K20	120	120	17
FEB												
21...	1300	220	7.0	15.0	70	40	10.6	4.3	K20	K25	75	13
APR												
17...	1115	256	8.3	--	50	15	9.8	4.7	<5	<5	92	13
JUL												
03...	1000	258	6.8	31.0	30	25	8.2	5.6	--	12000	84	9

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	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)
DEC												
08...	32	10	24	29	1.0	--	3.6	120	3	103	38	28
FEB												
21...	20	6.0	12	25	.6	--	3.3	75	0	62	15	19
APR												
17...	25	7.2	15	25	.7	--	4.0	96	0	79	13	22
JUL												
03...	22	7.0	19	32	.9	22	3.0	91	0	75	15	22

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS 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)
DEC												
08...	.2	6.3	214	204	.29	.02	1.9	1.9	8.5	.25	--	--
FEB												
21...	.1	5.2	117	118	.16	.10	.72	.82	3.6	.12	--	--
APR												
17...	.1	1.3	156	135	.21	.01	1.0	1.0	4.5	.09	.28	.28
JUL												
03...	.2	7.9	153	141	.21	.02	2.0	2.0	8.9	.20	.61	.61

< 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

295500091100000 LAKE VERRET NEAR PIERRE PART, 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)
DEC 08...	1	11	2	0	0	0	9	12	10	8900	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/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 08...	20	2	280	.0	.08	5	50	11	.00	0	.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)
DEC 08...	0	.00	.00	.1	.0	0	.00	.0	.00	.5	.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-FLDRIN, 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)
DEC 08...	.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)
DEC 08...	.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)	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)
DEC 08...	.00	.00	.0	.00	0	0	.00	.0	.00	.01	.13

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

294301091105700 LAKE PALOURDE AT MORGAN CITY, 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, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
DEC												
08...	1000	426	8.5	21.0	5	10	9.9	5.1	K20	K120	150	30
FEB												
21...	1130	260	7.4	13.0	60	75	11.2	4.9	K10	380	89	15
APR												
17...	1045	276	8.3	--	50	20	11.3	4.2	<5	<5	100	18
JUL												
03...	1130	236	6.9	31.5	30	25	11.2	6.6	--	370	79	8

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	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)
DEC												
08...	40	12	26	27	.9	--	3.6	134	6	120	54	28
FEB												
21...	24	7.1	14	25	.6	--	2.9	90	0	74	21	20
APR												
17...	27	7.9	15	24	.7	--	3.7	100	0	82	16	22
JUL												
03...	21	6.4	15	28	.7	18	3.0	86	0	71	12	18

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS 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)
DEC												
08...	.2	5.9	249	242	.34	.04	1.2	1.2	5.5	.20	--	--
FEB												
21...	.1	6.7	141	140	.19	.34	1.3	1.6	7.3	.25	--	--
APR												
17...	.1	2.7	171	144	.23	.09	.83	.92	4.1	.07	.21	.21
JUL												
03...	.2	7.8	140	126	.19	.01	2.1	2.1	9.3	.29	.89	.89

< 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

294301091105700 LAKE PALOURDE AT MORGAN CITY, 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)
DEC 08...	1	14	1	1	0	0	9	12	10	8400	2

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/G AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)
DEC 08...	50	6	340	.0	.08	3	40	7.8	.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)
DEC 08...	0	.00	.00	.0	.0	1	.00	.2	.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)
DEC 08...	.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)
DEC 08...	.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)	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)
DEC 08...	.00	.00	.0	.00	0	0	.00	.0	.03	.00	.02

ELUTRIATE STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers, before dredging operations in Industrial Canal and Mississippi River Gulf Outlet Canal.

295741090014200 INDUSTRIAL CANAL LOCK, 383 YARDS DOWNSTREAM FROM GATES, AT NEW ORLEANS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
JUL 13...	0937	862	7.5	<1.0	37000	210	100	46	22	100	51	3.0

DATE	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
JUL 13...	110	5.6	127	0	104	6.4	73	190	35	35	16	19

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)
JUL 13...	1.6	.02	1.6	.00	.07	110	.05	.09	.51	.51	.58	.00

DATE	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 PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
JUL 13...	.58	1250	2.2	9.7	.21	.64	.10	2	1	1	9	1

DATE	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
JUL 13...	0	1	1	0	1	.35	10	10	0	13	0	5

DATE	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G 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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
JUL 13...	3	2	15	0	5	5	0	20	60	50	7

ELUTRIATE STUDY--Continued

295741090014200 INDUSTRIAL CANAL LOCK, 383 YARDS DOWNSTREAM FROM GATES, AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)
JUL												
13...	.1	.0	.1	.08	3	3	0	20	1	1	0	0
13...	--	--	--	--	--	--	--	--	--	--	--	--

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)	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)
JUL												
13...	20	20	3	4.0	.00	0	5	0	0	--	.0	40
13...	--	--	--	--	--	--	--	--	--	.0	--	--

DATE	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	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)	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)
JUL												
13...	.00	.0	--	.000	.0	--	.0	10	--	.000	6.7	--
13...	--	--	.000	--	--	.0	--	--	.000	--	--	.000

DATE	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)	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)
JUL												
13...	.000	1.4	--	.000	.0	--	.01	.0	--	.002	1.6	.000
13...	--	--	.000	--	--	.00	--	--	.006	--	--	--

DATE	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)	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)
JUL												
13...	--	.000	.0	.00	.0	--	.000	.0	--	.000	.0	--
13...	.000	--	--	--	--	.000	--	--	.000	--	--	.000

ELUTRIATE STUDY--Continued

295741090014200 INDUSTRIAL CANAL LOCK, 383 YARDS DOWNSTREAM FROM GATES, AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)
JUL 13...	.000	.0	--	.00	.0	.00	--	.00
13...	--	--	.00	--	--	--	.00	--

DATE	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 13...	.0	.00	.0	--	.00	.0	--	.00	.0
13...	--	--	--	.00	--	--	.00	--	--

DATE	PERTHANE TOTAL (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLOROPHYLL A PHYTOPLANKTON, UNCORR. (UG/L)	CHLOROPHYLL B PHYTOPLANKTON, UNCORR. (UG/L)
JUL 13...	.00	--	.0	0	.00	.0	4.62	.000
13...	--	.0	--	--	--	--	--	--

ELUTRIATE STUDY--Continued

295808090013200 INDUSTRIAL CANAL LOCK, 383 YARDS UPSTREAM FROM GATES, AT NEW ORLEANS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
JUL 13...	1050	10600	7.5	<1.0	38000	1200	1100	100	240	2000	78	25

DATE	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
JUL 13...	2000	16	115	0	94	5.8	540	3500	17	17	2	15

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,NH4 + ORG, SUSP. TOTAL (MG/L AS N)
JUL 13...	.89	.02	.91	.25	.25	67	.24	.32	.60	.56	.85	.00

DATE	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 PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
JUL 13...	.81	1140	1.8	8.0	.14	.43	.10	2	1	1	9	10

DATE	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
JUL 13...	0	10	2	0	2	.61	10	0	10	20	0	46

DATE	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G 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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
JUL 13...	43	3	38	10	7	7	0	140	90	10	80

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

ELUTRIATE STUDY--Continued

295808090013200 INDUSTRIAL CANAL LOCK, 383 YARDS UPSTREAM FROM GATES, AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
JUL 13...	.1	.1	.0	.15	4	2	2	20	0	0	0	50
13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)
JUL 13...	10	40	4.8	.00	0	1	0	0	--	.0	190	.00
13...	--	--	--	--	--	--	--	--	.0	--	--	--

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)
JUL 13...	.0	--	.000	.0	--	.0	0	--	.000	24	--	.000
13...	--	.000	--	--	.0	--	--	.000	--	--	.000	--

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, DISSOLVED (UG/L)
JUL 13...	16	--	.000	.0	--	.00	.0	--	.000	1.4	.000	--
13...	--	.000	--	--	.07	--	--	.000	--	--	--	.000

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT, IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)
JUL 13...	.000	.0	.00	.0	--	.000	.0	--	.000	.0	--
13...	--	--	--	--	.000	--	--	.000	--	--	.000

ELUTRIATE STUDY--Continued

295808090013200 INDUSTRIAL CANAL LOCK, 383 YARDS UPSTREAM FROM GATES, AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)
JUL 13...	.000	.0	--	.00	.0	.00	--	.00
13...	--	--	.00	--	--	--	.00	--

DATE	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 13...	.0	.00	.0	--	.00	.0	--	.00	.0
13...	--	--	--	.00	--	--	.00	--	--

DATE	PERTHANE TOTAL (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLOROPHYLL A PHYTOPLANKTON, UNCORR, (UG/L)	CHLOROPHYLL B PHYTOPLANKTON, UNCORR, (UG/L)
JUL 13...	.00	--	.0	0	.00	.0	1.40	.000
13...	--	.0	--	--	--	--	--	--

ELUTRIATE STUDY--Continued

295909090011200 INDUSTRIAL CANAL LOCK, 1.6 MILES UPSTREAM FROM GATES, AT NEW ORLEANS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
JUL 13...	1115	7700	7.6	<1.0	68000	820	760	63	160	1300	76	20

DATE	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
JUL 13...	1400	50	72	0	59	2.9	350	2400	12	12	6	6

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
JUL 13...	.06	.02	.08	.17	.21	103	.21	.27	.65	.33	.82	.28

DATE	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 PO4)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
JUL 13...	.54	1750	.90	4.0	.03	.09	2	0	2	8	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
JUL 13...	0	0	0	0	1.02	0	0	0	0	0	6

DATE	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G 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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
JUL 13...	4	2	0	10	9	9	0	0	110	30	80

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

ELUTRIATE STUDY--Continued

295909090011200 INDUSTRIAL CANAL LOCK, 1.6 MILES UPSTREAM FROM GATES, AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
JUL 13...	.1	.0	.1	.25	3	2	1	0	0	0	0	20
13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)
JUL 13...	0	20	.0	.00	0	0	0	0	--	.0	150	.00
13...	--	--	--	--	--	--	--	--	.0	--	--	--

DATE	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)
JUL 13...	.0	--	.000	.0	--	.0	30	--	.000	6.0	--	.000
13...	--	.000	--	--	.0	--	--	.000	--	--	.000	--

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, DISSOLVED (UG/L)
JUL 13...	1.1	--	.000	.0	--	.00	.0	--	.000	1.5	.000	--
13...	--	.000	--	--	.05	--	--	.000	--	--	--	.000

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)
JUL 13...	.000	.0	.00	.0	--	.000	.0	--	.000	.0	--
13...	--	--	--	--	.000	--	--	.000	--	--	.000

ELUTRIATE STUDY--Continued

295909090011200 INDUSTRIAL CANAL LOCK, 1.6 MILES UPSTREAM FROM GATES, AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)
JUL								
13...	.000	.0	--	.00	.0	.00	--	.00
13...	--	--	.00	--	--	--	.00	--

DATE	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL									
13...	.0	.00	.0	--	.00	.0	--	.00	.0
13...	--	--	--	.00	--	--	.00	--	--

DATE	PERTHANE TOTAL (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLOROPHYLL A PHYTOPLANKTON, UNCORR, (UG/L)	CHLOROPHYLL B PHYTOPLANKTON, UNCORR, (UG/L)
JUL								
13...	.00	--	0	0	.00	.0	2.24	.000
13...	--	.0	--	--	--	--	--	--

ELUTRIATE STUDY--Continued

300000089575400 INTRACOASTAL WATERWAY 5.0 MILES EAST OF INDUSTRIAL CANAL LOCK (AT MILE 62.5), NEAR NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
JUL 13...	1145	10000	7.5	<1.0	75000	1100	1000	84	210	1800	77	24

DATE	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
JUL 13...	1900	73	77	0	63	3.9	460	3200	13	13	13	6

DATE	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 DISSOLVED (MG/L AS N)	NITROGEN+NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN+AMMONIA + ORGANIC TOTAL (MG/L AS N)
JUL 13...	7	.06	.02	.08	.21	.21	69	.24	.27	.51	.45	.72

DATE	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 PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)
JUL 13...	.05	.66	1500	.80	3.5	.30	.92	.12	2	1	1	6

DATE	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
JUL 13...	10	10	0	1	0	1	.76	0	0	0	7	0

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G 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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
JUL 13...	23	20	3	16	10	8	7	1	40	100	30	70

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

ELUTRIATE STUDY--Continued

300000089575400 INTRACOASTAL WATERWAY 5.0 MILES EAST OF INDUSTRIAL CANAL LOCK (AT MILE 62.5), NEAR NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)
JUL												
13...	.3	.0	.3	.11	4	3	1	15	0	0	0	0
13...	--	--	--	--	--	--	--	--	--	--	--	--

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)	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)
JUL												
13...	40	10	30	5.6	.00	0	2	0	0	--	.0	36
13...	--	--	--	--	--	--	--	--	--	.0	--	--

DATE	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	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)	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)
JUL												
13...	.00	.0	--	.000	.0	--	.0	3	--	.000	2.1	--
13...	--	--	.000	--	--	.0	--	--	.000	--	--	.000

DATE	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)	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)
JUL												
13...	.000	2.3	--	.000	.0	--	.00	.0	--	.000	.3	.000
13...	--	--	.000	--	--	.01	--	--	.000	--	--	--

DATE	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)	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)
JUL												
13...	--	.000	.0	.00	.0	--	.000	.0	--	.000	.0	--
13...	.000	--	--	--	--	.000	--	--	.000	--	--	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

300000089575400 INTRACOASTAL WATERWAY 5.0 MILES EAST OF INDUSTRIAL CANAL LOCK (AT MILE 62.5), NEAR NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)
JUL									
13...	.000	.0	--	.00	.0	.00	--	.00	.0
13...	--	--	.00	--	--	--	.00	--	--

DATE	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)
JUL									
13...	.00	.0	--	.00	.0	--	.00	.0	.00
13...	--	--	.00	--	--	.00	--	--	--

DATE	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOROPHYLL A PHYTOPLANKTON, UNCORR. (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOROPHYLL B PHYTOPLANKTON, UNCORR. (UG/L)
JUL									
13...	--	.0	0	.00	.0	2.62	2.62	.000	.000
13...	.0	--	--	--	--	--	--	--	--

ELUTRIATE STUDY--Continued

300022089552500 MISSISSIPPI RIVER GULF OUTLET CANAL AT INTRACOASTAL WATERWAY (AT MILE 58.5), NEAR NEW ORLEANS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
JUL 13...	1216	14400	7.4	<1.0	180000	1600	1500	120	310	2700	77	30

DATE	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP, TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)
JUL 13...	2800	110	87	0	71	5.5	700	4800	14	14	14	2

DATE	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 DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
JUL 13...	12	.06	.04	.10	.23	.19	73	.28	.24	.55	.49	.78

DATE	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 PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)
JUL 13...	.10	.68	4600	.88	3.9	.14	.43	.09	2	1	1	10

DATE	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
JUL 13...	10	10	0	0	0	0	.32	10	10	0	11	0

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G 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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
JUL 13...	150	150	1	18	20	10	9	1	15	80	60	20

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ELUTRIATE STUDY--Continued

300022089552500 MISSISSIPPI RIVER GULF OUTLET CANAL AT INTRACOASTAL WATERWAY (AT MILE 58.5), NEAR NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
JUL												
13...	.1	.0	.1	.02	8	7	1	20	0	0	0	0
13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL												
13...	110	80	30	5.6	.00	0	6	0	0	--	.0	11
13...	--	--	--	--	--	--	--	--	--	.0	--	--

DATE	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)
JUL												
13...	.00	.0	--	.000	.0	--	.0	0	--	.000	.0	--
13...	--	--	.000	--	--	.0	--	--	.000	--	--	000

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)
JUL												
13...	.000	.0	--	.000	.0	--	.00	.0	--	.000	.0	.000
13...	--	--	.000	--	--	.00	--	--	.000	--	--	--

DATE	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)
JUL												
13...	--	.000	.0	.00	.0	--	.000	.0	--	.000	.0	--
13...	.000	--	--	--	--	.000	--	--	.000	--	--	.000

ELUTRIATE STUDY--Continued

300022089552500 MISSISSIPPI RIVER GULF OUTLET CANAL AT INTRACOASTAL WATERWAY (AT MILE 58.5), NEAR NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)
JUL									
13...	.000	.0	--	.00	.0	.00	--	.00	.0
13...	--	--	.00	--	--	--	.00	--	--

DATE	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, DISSOLVED (UG/L)
JUL									
13...	.00	.0	.00	.0	--	.00	.0	.00	--
13...	--	--	--	--	.00	--	--	--	.0

DATE	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOROPHYLL A PHYTOPLANKTON, UNCORR. (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOROPHYLL B PHYTOPLANKTON, UNCORR. (UG/L)
JUL								
13...	.0	0	.00	.0	4.05	4.05	.000	.000
13...	--	--	--	--	--	--	--	--

ELUTRIATE STUDY--Continued

295721089512700 MISSISSIPPI RIVER GULF OUTLET CANAL (AT MILE 54.5), NEAR NEW ORLEANS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO
JUL 13...	1247	15300	7.4	<1.0	180000	1700	1600	120	330	2900	79	31

DATE	SODIUM+POTASSIUM DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
JUL 13...	2900	6.8	89	0	73	5.7	780	4900	9	9	0	11

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
JUL 13...	.06	.02	.08	.20	.19	130	.24	.24	.60	.49	.80	.12

DATE	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 PO4)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)
JUL 13...	.68	3300	.88	3.9	.09	.28	.09	1	0	1	0	0

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
JUL 13...	0	1	0	1	.27	10	0	10	4	0	39

DATE	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G 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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
JUL 13...	37	2	6	20	8	7	1	10	70	50	20

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

ELUTRIATE STUDY--Continued

295721089512700 MISSISSIPPI RIVER GULF OUTLET CANAL (AT MILE 54.5), NEAR NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)
JUL												
13...	.2	.0	.2	.07	5	4	1	0	0	0	50	20
13...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/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)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)
JUL											
13...	30	5.8	.00	0	1	--	.0	0	.00	.0	--
13...	--	--	--	--	--	.0	--	--	--	--	.000

DATE	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)	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)
JUL											
13...	.000	.0	--	.0	0	--	.000	.0	--	.000	.0
13...	--	--	.0	--	--	.000	--	--	.000	--	--

DATE	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)	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)
JUL											
13...	--	.000	.0	--	.00	.0	--	.000	.7	.000	--
13...	.000	--	--	.03	--	--	.000	--	--	--	.000

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, 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)
JUL											
13...	.000	.0	.00	.0	--	.000	.0	--	.000	.0	--
13...	--	--	--	--	.000	--	--	.000	--	--	.000

ELUTRIATE STUDY--Continued

295721089512700 MISSISSIPPI RIVER GULF OUTLET CANAL (AT MILE 54.5), NEAR NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, DISSOLVED (UG/L)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)
JUL 13...	.000	.0	--	.00	.0	.00	--	.00
13...	--	--	.00	--	--	--	.00	--

DATE	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 13...	.0	.00	.0	--	.00	.0	--	.00	.0
13...	--	--	--	.00	--	--	.00	--	--

DATE	PERTHANE TOTAL (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLOROPHYLL A PHYTOPLANKTON, UNCORR. (UG/L)	CHLOROPHYLL B PHYTOPLANKTON, UNCORR. (UG/L)
JUL 13...	.00	--	.0	0	.00	.0	4.89	.000
13...	--	.0	--	--	--	--	--	--

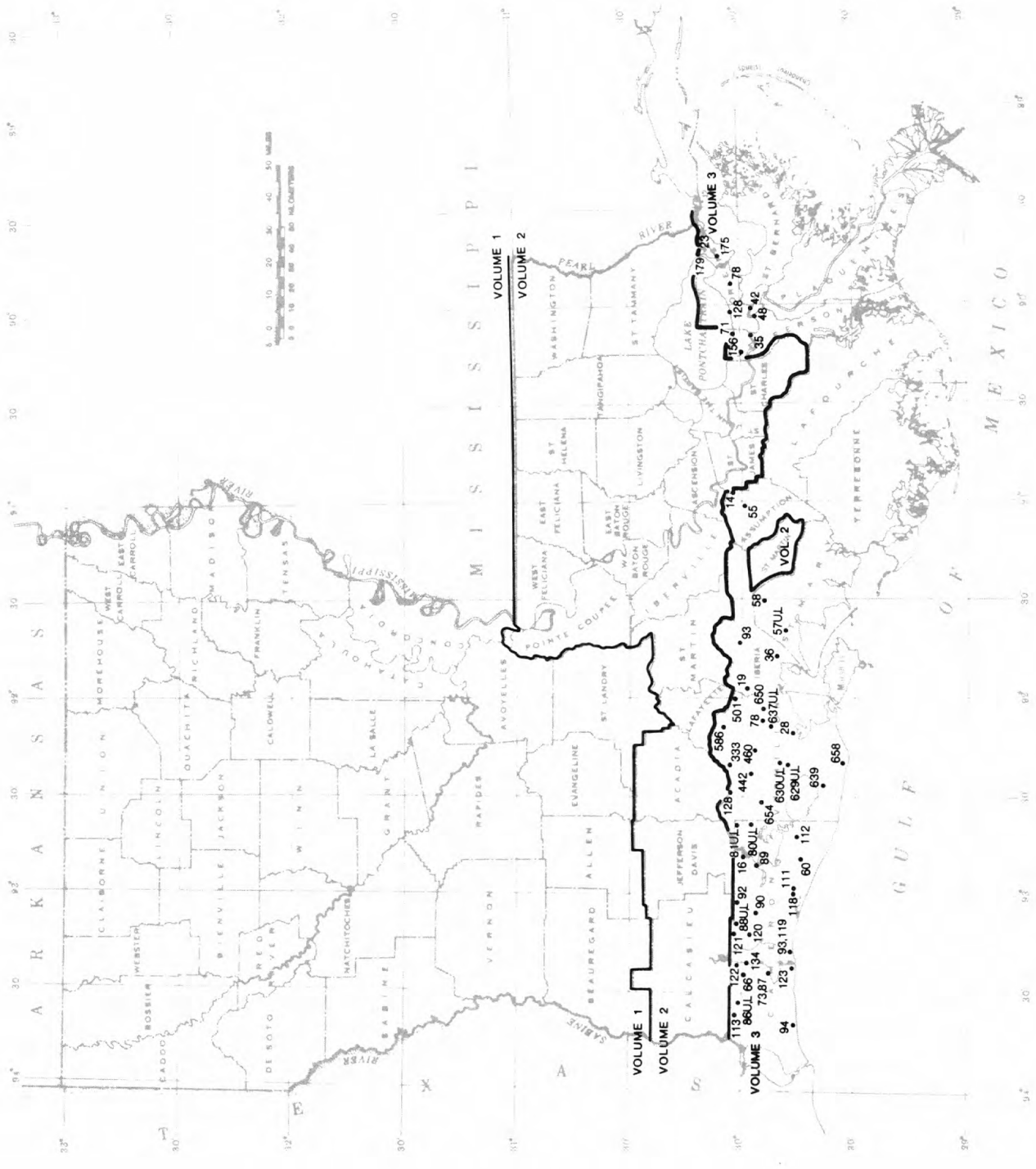

Figure 5. — Location of observation wells.

ASSUMPTION PARISH

300208090573401 LOCAL WELL NUMBER: AS-14

OWNER: SHELL OIL CO. (SEC. 42, T. 12S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 159 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF 4-IN COUPLING ON DISCHARGE PIPE, 1.70 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 6.40 ABOVE LSD, MAY 21, 1979,
LOWEST WATER LEVEL 5.55 BELOW LSD, NOV. 16, 1978.
RECORDS AVAILABLE 1958-64, 1966, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1978	5.55	MAY 21, 1979 +	6.40				

295918091030101 LOCAL WELL NUMBER: AS-55

OWNER: MEDERIC LEBLANC. (SEC. 31, T. 12S., R. 14E.) DRILLED UNUSED ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 168 FT, SCREENED INTERVAL UNKNOWN. MP TOP INSIDE EDGE OF 1 1/2-IN ELBOW, 1.40 FT ABOVE LSD.
LSD 16.00 FT NGVD.
HIGHEST WATER LEVEL 9.54 BELOW LSD, MAY 17, 1973,
LOWEST WATER LEVEL 18.16 BELOW LSD, NOV. 13, 1978.
RECORDS AVAILABLE 1960-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1978	18.16	MAY 21, 1979	10.64				

CAMERON PARISH

295935092473001 LOCAL WELL NUMBER: CN-16

OWNER: MAPLE HUGHES ESTATE. (SEC. 20, T. 12E., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 350 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 1.60 FT ABOVE LSD.
LSD 5.03 FT NGVD.
HIGHEST WATER LEVEL 5.59 BELOW LSD, MAY 21, 1947,
LOWEST WATER LEVEL 35.37 BELOW LSD, JULY 20, 1978.
RECORDS AVAILABLE 1946-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	33.33	FEB. 27, 1979	28.62	APR. 30, 1979	29.26	MAY 23, 1979	31.05
DEC. 19	31.07						

294344092491601 LOCAL WELL NUMBER: CN-60

OWNER: ROCKEFELLER NATIONAL WILDLIFE REFUGE. (SEC. 20, T. 15S., R. 4W.) DRILLED STOCK-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 6 IN, REPORTED DEPTH 274 FT, SCREENED 211-274. MP TOP EDGE OF 1-IN NIPPLE, 2.40 FT ABOVE LSD.
LSD 3.87 FT NGVD.
HIGHEST WATER LEVEL 5.97 BELOW LSD, SEP. 10, 1958,
LOWEST WATER LEVEL 10.66 BELOW LSD, FEB. 26, 1975.
RECORDS AVAILABLE 1957-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	10.44						

295938093233601 LOCAL WELL NUMBER: CN-66

OWNER: CITIES SERVICE OIL CO. (SEC. 21, T. 12S., R. 10W.) DRILLED INDUSTRIAL ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 22 TO 10 IN, REPORTED DEPTH 503 FT, SCREENED 423-503. MP PIPE FOR AIRLINE (SOUTH SIDE OF PUMP BASE), 2.10 FT ABOVE LSD (SINCE 3/2/79).
LSD 9.38 FT NGVD.
HIGHEST WATER LEVEL 35.66 BELOW LSD, APR. 20, 1959,
LOWEST WATER LEVEL 66.45 BELOW LSD, MAR. 2, 1979.
RECORDS AVAILABLE 1958-67, 1969-71, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	66.45						

See footnotes at end of table.

295324093240601 LOCAL WELL NUMBER: CN-73

OWNER: SABINE NATIONAL WILDLIFE REFUGE. (SEC. 32, T. 13S., R. 10W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 4 IN, REPORTED DEPTH 515 FT, SCREENED 500-515. MP TOP OF 1/2-IN PLUG HOLE IN STEEL PLATE, 0.50 FT ABOVE LSD.
LSD 9.59 FT NGVD.
HIGHEST WATER LEVEL 19.40 BELOW LSD, MAR. 27, 1961,
LOWEST WATER LEVEL 38.84 BELOW LSD, FEB. 15, 1978.
RECORDS AVAILABLE 1961-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	33.58						

295846092381104 LOCAL WELL NUMBER: CN-80U

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 453 FT, SCREENED 443-453. MP TOP OF 1-IN PIPE, 3.32 FT ABOVE LSD.
LSD 4.73 FT NGVD.
HIGHEST WATER LEVEL 19.42 BELOW LSD, MAR. 22, 1965.
LOWEST WATER LEVEL 30.80 BELOW LSD, JUNE 20, 1978.
RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	25.83						

295846092381105 LOCAL WELL NUMBER: CN-80L

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 481 FT, SCREENED 475-481. MP TOP OF 1-IN PIPE, 3.32 FT ABOVE LSD.
LSD 4.73 FT NGVD.
HIGHEST WATER LEVEL 19.47 BELOW LSD, MAR. 22, 1965.
LOWEST WATER LEVEL 30.88 BELOW LSD, JUNE 20, 1978.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	26.01						

300125092382503 LOCAL WELL NUMBER: CN-81U

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 448 FT, SCREENED 438-448. MP TOP OF 1-IN PIPE, 3.18 FT ABOVE LSD.
LSD 4.45 FT NGVD.
HIGHEST WATER LEVEL 20.92 BELOW LSD, MAR. 22, 1965,
LOWEST WATER LEVEL 30.48 BELOW LSD, OCT. 23, 1969.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	27.81						

300125092382504 LOCAL WELL NUMBER: CN-81L

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 478 FT, SCREENED 468-478. MP TOP OF 1-IN PIPE, 3.18 FT ABOVE LSD.
LSD 4.45 FT NGVD.
HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965,
LOWEST WATER LEVEL 30.42 BELOW LSD, APR. 27, 1972.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	28.12						

CAMERON PARISH

300120093320801 LOCAL WELL NUMBER: CN-86U

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 535 FT, SCREENED 525-535. MP TOP OF 1-IN PIPE, 2.91 FT ABOVE LSD.
LSD 3.66 FT NGVD.
HIGHEST WATER LEVEL 32.01 BELOW LSD, APR. 12, 1965,
LOWEST WATER LEVEL 51.22 BELOW LSD, SEP. 19, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	50.16						

300120093320802 LOCAL WELL NUMBER: CN-86L

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 641 FT, SCREENED 631-641. MP TOP OF 1-IN PIPE, 2.91 FT ABOVE LSD.
LSD 3.66 FT NGVD.
HIGHEST WATER LEVEL 32.16 BELOW LSD, APR. 12, 1965,
LOWEST WATER LEVEL 51.34 BELOW LSD, SEP. 19, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	50.14						

295324093240602 LOCAL WELL NUMBER: CN-87

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 13S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 804 FT, SCREENED 798-804. MP TOP OF 2-IN CASING, 1.00 FT ABOVE LSD.
LSD 8.46 FT NGVD.
HIGHEST WATER LEVEL 22.38 BELOW LSD, DEC. 16, 1963,
LOWEST WATER LEVEL 49.63 BELOW LSD, SEP. 28, 1978.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	47.87	FEB. 1, 1979	47.57	FEB. 28, 1979	46.92	JUNE 25, 1979	46.12

300055093093003 LOCAL WELL NUMBER: CN-88U

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 666 FT, SCREENED 656-666. MP TOP OF 1/2-IN PIPE, 2.68 FT ABOVE LSD.
LSD 8.86 FT NGVD.
HIGHEST WATER LEVEL 39.97 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 66.62 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	61.70	MAR. 1, 1979	56.51	APR. 30, 1979	64.49	MAY 25, 1979	57.66
DEC. 19	58.90						

300055093093004 LOCAL WELL NUMBER: CN-88L

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN, DEPTH 804 FT, SCREENED 794-804. MP TOP OF 1/2-IN PIPE, 2.68 FT ABOVE LSD.
LSD 8.86 FT NGVD.
HIGHEST WATER LEVEL 40.27 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 66.95 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	62.30	MAR. 1, 1979	56.87	APR. 30, 1979	64.62	MAY 25, 1979	58.30
DEC. 19	59.24						

295148092505901 LOCAL WELL NUMBER: CN-89

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 1, T. 14S., R. 5W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, REPORTED DEPTH 350 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/4-IN TAP HOLE IN CASING CAP, 1.00 FT ABOVE LSD.
LSD 6.49 FT NGVD.
HIGHEST WATER LEVEL 19.32 BELOW LSD, MAR. 25, 1964,
LOWEST WATER LEVEL 29.00 BELOW LSD, SEP. 21, 1978.
RECORDS AVAILABLE 1964-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1978	28.00	MAR. 2, 1979	26.15				

295611093044801 LOCAL WELL NUMBER: CN-90

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 13S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 396 FT, SCREENED 386-396. MP TOP OF 4-IN CASING, 1.17 FT ABOVE LSD.
LSD 3.19 FT NGVD.
HIGHEST WATER LEVEL 20.04 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 36.85 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	30.19						

300104093015601 LOCAL WELL NUMBER: CN-92

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 12S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 443 FT, SCREENED 438-443. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 5.50 FT NGVD.
HIGHEST WATER LEVEL 26.02 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 53.96 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	36.75						

294709093174301 LOCAL WELL NUMBER: CN-93

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 16, T. 15S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 355-360. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 3.76 FT NGVD.
HIGHEST WATER LEVEL 9.64 BELOW LSD, DEC. 15, 1965,
LOWEST WATER LEVEL 25.83 BELOW LSD, FEB. 28, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	25.83						

294543093391401 LOCAL WELL NUMBER: CN-94

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 15S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 1,118 FT, SCREENED 1,112-1,118. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
LSD 6.22 FT NGVD.
HIGHEST WATER LEVEL 30.12 BELOW LSD, JUNE 17, 1965,
LOWEST WATER LEVEL 41.80 BELOW LSD, FEB. 28, 1979.
RECORDS AVAILABLE 1965-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	41.80						

294551092573701 LOCAL WELL NUMBER: CN-111

OWNER: CONTINENTAL OIL CO. (SEC. 34, T. 15S., R. 6W.) DRILLED INDUSTRIAL ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 IN, REPORTED DEPTH 593 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF AIR VENT, 2.43 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 18.67 BELOW LSD, MAR. 10, 1977,
LOWEST WATER LEVEL 34.24 BELOW LSD, FEB. 22, 1972.
RECORDS AVAILABLE 1969, 1972, 1974-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	27.76						

294526092424801 LOCAL WELL NUMBER: CN-112

OWNER: PAN AMERICAN PETROLEUM CO. (SEC. 8, T. 15S., R. 3W.) DRILLED INDUSTRIAL ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 11 TO 7 IN, REPORTED DEPTH 250 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 3/4-IN NIPPLE, 0.90 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 14.32 BELOW LSD, FEB. 22, 1972,
LOWEST WATER LEVEL 14.99 BELOW LSD, FEB. 26, 1975.
RECORDS AVAILABLE 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	14.65						

300113093365701 LOCAL WELL NUMBER: CN-113

OWNER: SHELL OIL CO. (SEC. 17, T. 12S., R. 12W.) DRILLED INDUSTRIAL ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM, REPORTED DEPTH 600 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING 1.40 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 46.22 BELOW LSD, MAR. 3, 1976,
LOWEST WATER LEVEL 50.04 BELOW LSD, FEB. 28, 1979.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	50.04						

294615093004201 LOCAL WELL NUMBER: CN-118

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 15S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 637 FT, SCREENED 627-637. MP TOP OF 2-IN CASING, 2.33 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 20.58 BELOW LSD, APR. 28, 1975,
LOWEST WATER LEVEL 22.84 BELOW LSD, SEP. 4, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	22.11						

294709093174302 LOCAL WELL NUMBER: CN-119

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 910 FT, SCREENED 900-910. MP TOP OF 2-IN CASING, 2.86 FT ABOVE LSD.
LSD 3.50 FT NGVD.
HIGHEST WATER LEVEL 29.34 BELOW LSD, JUNE 19, 1975,
LOWEST WATER LEVEL 31.49 BELOW LSD, DEC. 9, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	31.13						

295721093115701 LOCAL WELL NUMBER: CN-120

OWNER: U. S. GEOL. SURVEY. (T. 13S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 763 FT, SCREENED 753-763. MP TOP OF 2-IN CASING, 2.30 FT ABOVE LSD.
LSD 3.00 FT NGVD.
HIGHEST WATER LEVEL 36.85 BELOW LSD, DEC. 3, 1975.
LOWEST WATER LEVEL 51.02 BELOW LSD, JUNE 16, 1978.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	45.43						

300040093161801 LOCAL WELL NUMBER: CN-121

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 690 FT, SCREENED 680-690. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
LSD 3.00 FT NGVD.
HIGHEST WATER LEVEL 53.84 BELOW LSD, APR. 22, 1975, MAR. 4, 1976.
LOWEST WATER LEVEL 61.00 BELOW LSD, JUNE 16, 1978.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	54.76						

300140093202201 LOCAL WELL NUMBER: CN-122

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 12S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 920 FT, SCREENED 910-920. MP TOP OF 2-IN CASING, 3.40 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 59.04 BELOW LSD, MAR. 3, 1976.
LOWEST WATER LEVEL 64.79 BELOW LSD, DEC. 3, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1979	60.47						

294557093223601 LOCAL WELL NUMBER: CN-123

OWNER: CAMERON PARISH POLICE JURY. (SEC. 21, T. 15S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 236 FT, SCREENED 266-236. MP TOP OF 2-IN CASING, 2.30 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 19.99 BELOW LSD, JUNE 18, 1975.
LOWEST WATER LEVEL 23.16 BELOW LSD, FEB. 28, 1979.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	23.16						

295839093203501 LOCAL WELL NUMBER: CN-134

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 12S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 710 FT, SCREENED 690-710. MP TOP OF 4-IN COUPLING, 2.00 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 49.99 BELOW LSD, FEB. 23, 1977.
LOWEST WATER LEVEL 56.69 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	56.55	FEB. 1, 1979	54.51	FEB. 28, 1979	53.20	JUNE 25, 1979	52.47

IBERIA PARISH

295748091571001 LOCAL WELL NUMBER: I-19

OWNER: J. L. BAYLIS, JR. AND OTHERS. (IRREG. SEC. 59, T. 12S., R. 5E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 460 FT, SCREENED 380-460. MP HOLE IN STEEL PLATE BELOW PUMP, 1.88 FT ABOVE LSD.
LSD 9.72 FT NGVD.
HIGHEST WATER LEVEL 3.65 BELOW LSD, MAY 11, 1944,
LOWEST WATER LEVEL 15.37 BELOW LSD, FEB. 16, 1971.
RECORDS AVAILABLE 1944-62, 1964, 1966-67, 1969, 1971-72, 1974, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1979	13.46						

295108091471501 LOCAL WELL NUMBER: I-36

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 14S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 284 FT, SCREENED 276-284. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 4.12 FT NGVD.
HIGHEST WATER LEVEL 3.25 BELOW LSD, MAR. 22, 1966,
LOWEST WATER LEVEL 6.28 BELOW LSD, MAR. 7, 1977.
RECORDS AVAILABLE 1966-71, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1979	5.17						

300035091443301 LOCAL WELL NUMBER: I-93

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 5, T. 12S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 580-585. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 18.53 FT NGVD.
HIGHEST WATER LEVEL 15.29 BELOW LSD, FEB. 25, 1974,
LOWEST WATER LEVEL 22.11 BELOW LSD, NOV. 4, 1974.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	18.80	JAN. 23, 1979	19.77	APR. 24, 1979	16.16	JULY 20, 1979	17.46
NOV. 21	20.07	FEB. 16	17.65	MAY 23	16.00E	AUG. 9	17.51
DEC. 18	20.08	MAR. 21	16.97	JUNE 21	16.79		

JEFFERSON PARISH

295420090045801 LOCAL WELL NUMBER: JF-35

OWNER: SOUTHERN SHELLFISH CO. (SEC 1, T. 13S., R. 24E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 6 IN, DEPTH 270 FT, SCREENED 228-270. MP EDGE OF STEEL PLATE ON CONCRETE FOUNDATION, 3.50 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 4.28 BELOW LSD, MAY 9, 1979,
LOWEST WATER LEVEL 21.68 BELOW LSD, NOV. 29, 1977.
RECORDS AVAILABLE 1956, 1958-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	21.40	MAY 9, 1979	4.28				

295509090034001 LOCAL WELL NUMBER: JF-48

OWNER: PUBLICKER CHEMICAL CORP. (SEC. 7, T. 13S., R. 24E.) DRILLED INDUSTRIAL ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 16 IN, DEPTH 780 FT, SCREENED 700-780. MP HOLE IN CASING FLANGE AT TOP OF CONCRETE FOUNDATION, 0.90 FT ABOVE LSD.
LSD 7.00 FT NGVD.
HIGHEST WATER LEVEL 87.70 BELOW LSD, MAR. 6, 1979,
LOWEST WATER LEVEL 106.81 BELOW LSD, SEP. 15, 1976.
RECORDS AVAILABLE 1957, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	94.55	MAR. 6, 1979	87.70	MAY 9, 1979	88.16		

See footnotes at end of table.

JEFFERSON PARISH

300109090091001 LOCAL WELL NUMBER: JF-71

OWNER: GREATER NEW ORLEANS EXPRESSWAY COMMISSION. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 566 FT, SCREENED 551-566. MP HOLE IN SAFETY SEAL, 3.40 FT ABOVE LSD.
LSD 11.00 FT NGVD.
HIGHEST WATER LEVEL 66.50 BELOW LSD, MAR. 5, 1963.
LOWEST WATER LEVEL 87.43 BELOW LSD, OCT. 17, 1973.
RECORDS AVAILABLE 1963, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	82.24	MAY 9, 1979	76.35				

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-INCH PLASTIC LINER, 2.05 FT ABOVE LSD.
LSD 9.00 FT NGVD.
HIGHEST WATER LEVEL 85.13 BELOW LSD, MAR. 6, 1979.
LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	92.01	MAR. 6, 1979	85.13	MAY 9, 1979	86.12	JULY 24, 1979	88.75

ORLEANS PARISH

301001089441301 LOCAL WELL NUMBER: OR-23

OWNER: LOUISIANA PARKS AND RECREATION COMMISSION. (SEC. 19, T. 10S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 547 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 6 X 2-IN REDUCER, 0.40 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 2.24 BELOW LSD, MAR. 25, 1958.
LOWEST WATER LEVEL 17.17 BELOW LSD, DEC. 18, 1978.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1978	17.17	AUG. 2, 1979	17.10				

295652090020101 LOCAL WELL NUMBER: OR-42

OWNER: U. S. NAVY. (SEC. 16, T. 13S., R. 24E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 775 FT, SCREENED 664-775. MP TOP OF 2 X 6-IN RECORDER BASE, 1.00 FT ABOVE LSD.
LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942.
LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.
RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1978	111.50H	JAN. 5, 1979	104.04	APR. 5, 1979	100.82	JULY 5, 1979	109.25
OCT. 5	111.85	JAN. 10	103.78	APR. 10	100.96	JULY 10	109.77
OCT. 10	111.55	JAN. 15	103.43	APR. 15	101.29	JULY 15	109.07
OCT. 15	111.59	JAN. 18	103.47H	APR. 20	101.17	JULY 20	109.59
OCT. 20	111.61	JAN. 20	103.37	APR. 25	100.88	JULY 24	109.22H
OCT. 25	110.36	JAN. 25	103.18	APR. 30	101.08	JULY 25	109.33
OCT. 31	110.25	JAN. 31	102.18	MAY 5	101.51	JULY 31	109.75
NOV. 5	110.02	FEB. 5	101.45	MAY 9	101.77H	AUG. 5	110.36
NOV. 8	109.43H	FEB. 10	101.32	MAY 10	102.19	AUG. 10	110.18
NOV. 10	109.46	FEB. 15	101.64	MAY 15	103.58	AUG. 15	110.01
NOV. 15	108.90	FEB. 20	101.63	MAY 20	104.38	AUG. 20	110.26
NOV. 20	108.56	FEB. 25	101.87	MAY 25	105.02	AUG. 21	110.37H
NOV. 25	107.83	FEB. 28	101.41	MAY 31	105.41	AUG. 25	111.17
NOV. 30	107.19	MAR. 5	100.86	JUNE 5	105.85	AUG. 31	111.35
DEC. 5	106.39	MAR. 6	101.03H	JUNE 10	106.19	SEP. 5	110.44
DEC. 10	106.22	MAR. 10	101.68	JUNE 14	106.36H	SEP. 10	110.58
DEC. 14	105.95H	MAR. 15	101.66	JUNE 15	106.56	SEP. 15	110.83
DEC. 15	106.06	MAR. 20	100.58	JUNE 20	107.02	SEP. 20	110.41
DEC. 20	105.32	MAR. 25	100.68	JUNE 25	108.34	SEP. 25	109.93
DEC. 25	104.99	MAR. 31	100.63	JUNE 30	109.56	SEP. 30	110.20
DEC. 31	104.64	APR. 3	100.84H				

See footnotes at end of table.

ORLEANS PARISH

300137089544201 LOCAL WELL NUMBER: OR-78

OWNER: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. (SEC. 37, T. 12S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 9 IN. DEPTH 565 FT, SCREENED 486-565. MP HOLE IN SAFTEY SEAL, 1.36 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 42.94 BELOW LSD, APR. 12, 1961.
LOWEST WATER LEVEL 117.46 BELOW LSD, JULY 21, 1976.
RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	103.68	MAR. 6, 1979	101.29	MAY 9, 1979	107.21	JULY 24, 1979	112.42

300158090033801 LOCAL WELL NUMBER: OR-128

OWNER: ORLEANS LEVEE BOARD, PONTCHARTRAIN BEACH. (SEC. 111, T. 12S., R. 11E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 TO 6 IN, DEPTH 581 FT, SCREENED 541-581. MP TOP EDGE OF HOLE IN SANITARY SEAL, 1.32 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 117.64 BELOW LSD, FEB. 9, 1978.
LOWEST WATER LEVEL 167.66 BELOW LSD, JULY 21, 1976.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	135.06	MAR. 6, 1979	121.73	MAY 9, 1979	134.91	JULY 24, 1979	158.86
DEC. 14	122.50	APR. 5	124.68	JUNE 14	143.14	AUG. 21	148.83
JAN. 18, 1979	124.33						

300525089464001 LOCAL WELL NUMBER: OR-175

OWNER: U. S. GEOL. SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
LSD 9.00 FT NGVD.
HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963.
LOWEST WATER LEVEL 36.39 BELOW LSD, AUG. 2, 1979.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978	35.73	APR. 5, 1979	35.25	MAY 9, 1979	34.85	AUG. 2, 1979	36.39

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN, DEPTH 2434 FT, SCREENED 2429-2434. MP CENTERLINE OF DISCHARGE PIPE, 2.87 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965.
LOWEST WATER LEVEL 69.00 ABOVE LSD, MAR. 6, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1978 +	71.40	MAR. 6, 1979 +	69.00				

ST. MARY PARISH

294749091402301 LOCAL WELL NUMBER: SM-57U

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 638 FT, SCREENED 628-638. MP TOP OF 1 1/2-IN PIPE, 2.50 FT ABOVE LSD.
LSD 8.72 FT NGVD.
HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 15, 1965.
LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	8.52	JAN. 23, 1979	8.94	MAR. 21, 1979	8.08	JUNE 21, 1979	7.62
NOV. 21	9.27	FEB. 16	8.66	APR. 24	7.35	AUG. 10	7.96
DEC. 18	9.54						

See footnotes at end of table.

ST. MARY PARISH

294749091402302 LOCAL WELL NUMBER: SM-57L

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN, DEPTH 738 FT, SCREENED 728-738. MP TOP OF 1 1/2-IN PIPE, 2.50 FT ABOVE LSD.
LSD 8.72 FT NGVD.
HIGHEST WATER LEVEL 7.54 BELOW LSD, AUG. 16, 1973,
LOWEST WATER LEVEL 11.93 BELOW LSD, OCT. 22, 1970.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1978	9.65	JAN. 23, 1979	9.95	MAR. 21, 1979	9.21	JUNE 21, 1979	8.76
NOV. 21	10.38	FEB. 16	9.78	APR. 24	8.51	AUG. 10	9.05
DEC. 18	10.67						

295314091312101 LOCAL WELL NUMBER: SM-58

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 30, T. 13S., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 194 FT, SCREENED 188-194. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 10.37 FT NGVD.
HIGHEST WATER LEVEL 3.35 BELOW LSD, FEB. 24, 1974,
LOWEST WATER LEVEL 6.54 BELOW LSD, MAR. 7, 1977.
RECORDS AVAILABLE 1966-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1979	5.60						

VERMILION PARISH

294705092115001 LOCAL WELL NUMBER: VF-28

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 31, T. 14S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 260 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN PIPE, 1.08 FT ABOVE LSD.
LSD 6.74 FT NGVD.
HIGHEST WATER LEVEL 1.25 BELOW LSD, APR. 11, 1944,
LOWEST WATER LEVEL 10.82 BELOW LSD, MAR. 5, 1976.
RECORDS AVAILABLE 1944-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	10.61						

295520092093001 LOCAL WELL NUMBER: VF-78

OWNER: J. F. NOEL, SR. (IRREG. SEC. 14, T. 13S., R. 3E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 295 FT, SCREENED INTERVAL UNKNOWN. MP HOLE IN TOP OF DISCHARGE PIPE, 1.16 FT ABOVE LSD.
LSD 8.71 FT NGVD.
HIGHEST WATER LEVEL 5.28 BELOW LSD, APR. 11, 1944,
LOWEST WATER LEVEL 21.84 BELOW LSD, FEB. 27, 1975, MAR. 5, 1976.
RECORDS AVAILABLE 1944-66, 1968-69, 1971-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	18.23						

300251092275801 LOCAL WELL NUMBER: VF-128

OWNER: CHARLES STANCIL. (IRREG. SEC. 33, T. 11S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 330 FT, SCREENED 230-330. MP LOWER LIP OF DISCHARGE PIPE, 2.40 FT ABOVE LSD.
LSD 9.86 FT NGVD.
HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 8, 1948,
LOWEST WATER LEVEL 33.95 BELOW LSD, AUG. 26, 1965.
RECORDS AVAILABLE 1946-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	32.69						

300245092260301 LOCAL WELL NUMBER: VE-333

OWNER: SIDNEY HERPIN. (SEC. 35, T. 11S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, REPORTED DEPTH 280 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.31 FT ABOVE LSD.
LSD 14.03 FT NGVD.
HIGHEST WATER LEVEL 15.59 BELOW LSD, MAR. 21, 1950.
LOWEST WATER LEVEL 51.28 BELOW LSD, JUNE 21, 1979.
RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1978	36.57	JAN. 24, 1979	34.17	APR. 20, 1979	40.34	JULY 20, 1979	41.62
NOV. 21	36.48	FEB. 13	33.81	MAY 25	43.00E	AUG. 10	39.05
DEC. 19	35.10	MAR. 21	39.03	JUNE 21	51.28		

295650092245001 LOCAL WELL NUMBER: VE-442

OWNER: HORLEY SIMON. (SEC. 1, T. 13S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, DEPTH 281 FT, SCREENED 198-281. MP LOWER LIP OF DISCHARGE PIPE, 5.08 FT ABOVE LSD.
LSD 5.42 FT NGVD.
HIGHEST WATER LEVEL 11.88 BELOW LSD, APR. 4, 1956.
LOWEST WATER LEVEL 21.37 BELOW LSD, FEB. 28, 1975.
RECORDS AVAILABLE 1954-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	20.62						

295645092165501 LOCAL WELL NUMBER: VE-460

OWNER: RENE DRONET. (SEC. 5, T. 13S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 10 IN, REPORTED DEPTH 300 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.53 FT ABOVE LSD.
LSD 9.78 FT NGVD.
HIGHEST WATER LEVEL 4.20 BELOW LSD, MAR. 15, 1949.
LOWEST WATER LEVEL 23.07 BELOW LSD, MAR. 9, 1977.
RECORDS AVAILABLE 1948-72, 1974-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	21.82						

300117092005601 LOCAL WELL NUMBER: VE-501

OWNER: GERMAIN BARES. (SEC. 1, T. 12S., R. 4E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 8 IN, REPORTED DEPTH 227 FT, SCREENED 162-227. MP LOWER LIP OF DISCHARGE PIPE, 12.90 FT ABOVE LSD.
LSD 21.62 FT NGVD.
HIGHEST WATER LEVEL 20.62 BELOW LSD, MAR. 26, 1962.
LOWEST WATER LEVEL 28.70 BELOW LSD, MAR. 1, 1978.
RECORDS AVAILABLE 1958-66, 1968-72, 1974-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	26.30						

300240092063201 LOCAL WELL NUMBER: VE-586

OWNER: E. O. BROUSSARD. (SEC. 34, T. 11S., R. 3E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 8 IN, REPORTED DEPTH 259 FT, SCREENED 195-259. MP 1/2-IN PLUG ON SIDE OF PIPE, 3.02 FT ABOVE LSD.
LSD 15.40 FT NGVD.
HIGHEST WATER LEVEL 19.47 BELOW LSD, APR. 29, 1958.
LOWEST WATER LEVEL 30.78 BELOW LSD, FEB. 6, 1974, MAR. 9, 1976.
RECORDS AVAILABLE 1958-68, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	28.13						

See footnotes at end of table.

294825092202004 LOCAL WELL NUMBER: VF-629D

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 457 FT, SCREENED 447-457. MP TOP OF 1-IN PIPE, 2.95 FT ABOVE LSD.
LSD 1.79 FT NGVD.
HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 9, 1966.
LOWEST WATER LEVEL 7.40 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	6.06						

294825092202005 LOCAL WELL NUMBER: VF-629L

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 487 FT, SCREENED 477-487. MP TOP OF 1-IN PIPE, 2.95 FT ABOVE LSD.
LSD 1.79 FT NGVD.
HIGHEST WATER LEVEL 3.89 BELOW LSD, MAR. 9, 1966.
LOWEST WATER LEVEL 7.46 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	6.12						

295031092203202 LOCAL WELL NUMBER: VF-630H

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 498 FT, SCREENED 488-498. MP TOP OF 1-IN PIPE, 2.93 FT ABOVE LSD.
LSD 4.75 FT NGVD.
HIGHEST WATER LEVEL 7.15 BELOW LSD, MAR. 5, 1968.
LOWEST WATER LEVEL 11.74 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	10.13						

295031092203203 LOCAL WELL NUMBER: VF-630L

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 528 FT, SCREENED 518-528. MP TOP OF 1-IN PIPE, 2.93 FT ABOVE LSD.
LSD 4.75 FT NGVD.
HIGHEST WATER LEVEL 7.38 BELOW LSD, MAR. 9, 1966.
LOWEST WATER LEVEL 11.83 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	10.21						

295345092100702 LOCAL WELL NUMBER: VF-637D

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 198 FT, SCREENED 188-198. MP TOP OF 1-IN PIPE, 2.66 FT ABOVE LSD.
LSD 4.06 FT NGVD.
HIGHEST WATER LEVEL 7.99 BELOW LSD, FEB. 24, 1966.
LOWEST WATER LEVEL 13.51 BELOW LSD, JUNE 9, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	10.82						

295345092100703 LOCAL WELL NUMBER: VF-637L

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 243 FT, SCREENED 233-243. MP TOP OF 1-IN PIPE, 2.66 FT ABOVE LSD.
LSD 4.06 FT NGVD.
HIGHEST WATER LEVEL 8.10 BELOW LSD, FEB. 24, 1966,
LOWEST WATER LEVEL 15.11 BELOW LSD, JUNE 25, 1970.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	10.93						

293845092264901 LOCAL WELL NUMBER: VF-639

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 16S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 608 FT, SCREENED 603-608. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 5.84 FT NGVD.
HIGHEST WATER LEVEL 6.22 BELOW LSD, OCT. 20, 1965,
LOWEST WATER LEVEL 9.65 BELOW LSD, OCT. 29, 1976.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	8.98						

295341092055401 LOCAL WELL NUMBER: VF-650

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 13S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 205 FT, SCREENED 200-205. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
LSD 7.58 FT NGVD.
HIGHEST WATER LEVEL 11.99 BELOW LSD, FEB. 24, 1966,
LOWEST WATER LEVEL 18.85 BELOW LSD, JULY 20, 1971.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	13.59						

295504092320101 LOCAL WELL NUMBER: VF-654

OWNER: ELLIS STANSEL. (SEC. 14, T. 13S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 12 IN, REPORTED DEPTH 267 FT, SCREENED 187-267. MP LOWER LIP OF DISCHARGE PIPE, 5.82 FT ABOVE LSD.
LSD 9.60 FT NGVD.
HIGHEST WATER LEVEL 14.68 BELOW LSD, MAR. 4, 1969,
LOWEST WATER LEVEL 22.78 BELOW LSD, MAR. 9, 1977.
RECORDS AVAILABLE 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	21.68						

293214092180901 LOCAL WELL NUMBER: VF-658

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 19, T. 17S., R. 2E.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 645 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF SANITARY SEAL, 2.25 FT ABOVE LSD.
LSD 8.60 FT NGVD.
HIGHEST WATER LEVEL 6.68 BELOW LSD, JAN. 22, 1969,
LOWEST WATER LEVEL 9.65 BELOW LSD, FEB. 22, 1972.
RECORDS AVAILABLE 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1979	7.95						

+ Above land-surface datum.
E Estimated.
H Tape measurement (recorder).

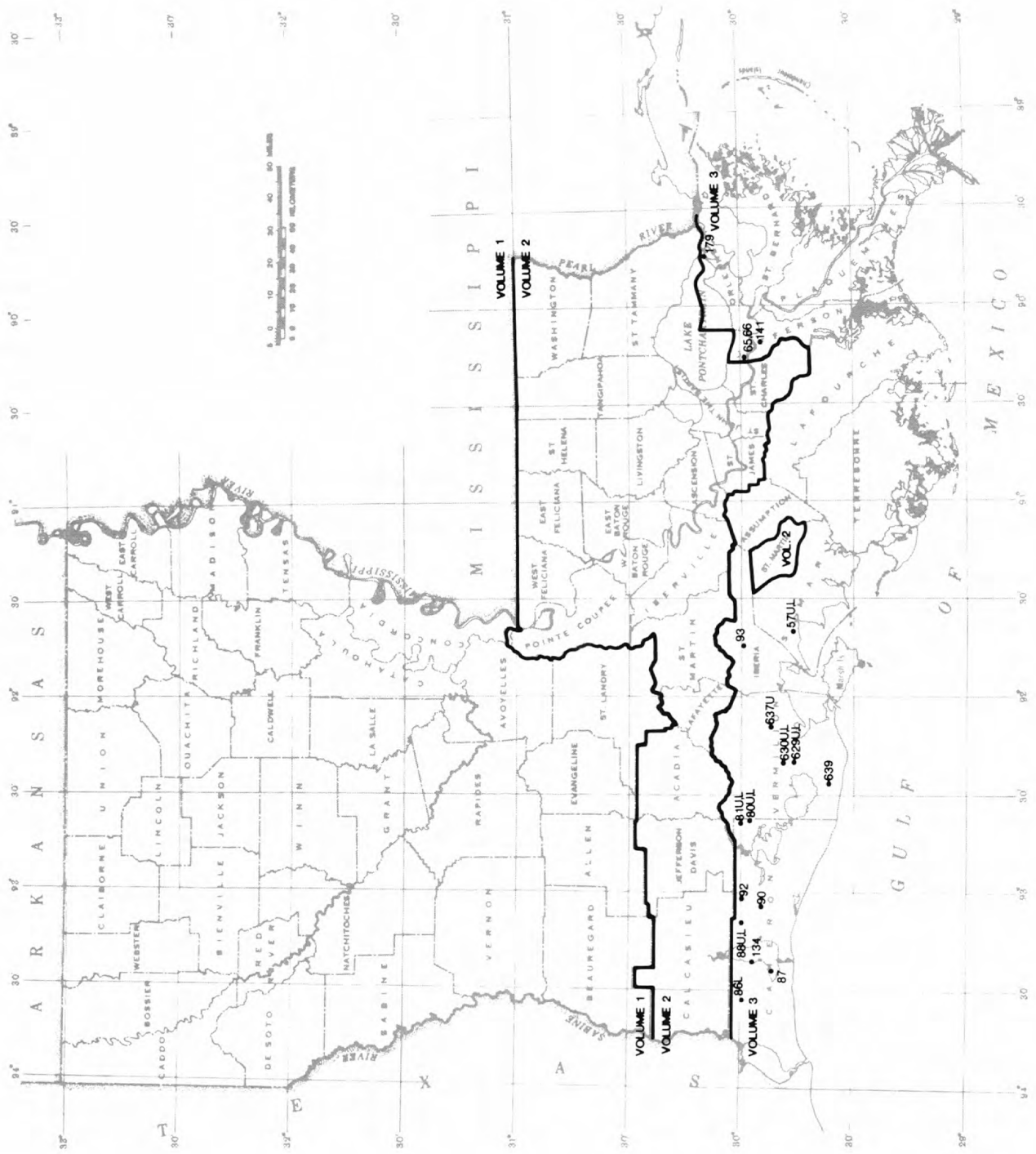

Figure 6.— Location of wells for which water-quality data are included in this report.

CHEMICAL ANALYSES, OCTOBER 1978 TO SEPTEMBER 1979

LOCAL IDENTIFIER	STATION NUMBER	GEOLOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
CAMERON PARISH									
CN- 80L 12S 3W 24	295846092381105	112CHCTU	481	79-03-29	1200	1260	--	22.5	--
CN- 80U 12S 3W 24	295846092381104	112CHCTU	453	79-03-29	1115	1200	--	22.5	--
CN- 81L 12S 3W 11	300125092382504	112CHCTU	478	79-03-29	1335	1870	--	22.5	--
CN- 81U 12S 3W 11	300125092382503	112CHCTU	448	79-03-29	1335	1620	--	22.5	--
CN- 86L 12S 12W 13	300120093320802	11205LC	642	79-03-15	1315	1840	8.4	24.0	0
CN- 87 13S 10W 32	295324093240602	11205LC	804	79-03-27	1315	5090	--	25.0	--
CN- 88L 12S 8W 14	300055093093004	11205LC	810	79-03-28	1610	2240	8.2	24.0	--
CN- 88U 12S 8W 14	300055093093003	11205LC	666	79-03-28	1635	895	8.1	24.0	--
CN- 90 13S 7W 4	295611093044801	112CHCTU	401	79-03-28	1100	987	--	23.0	--
CN- 92 12S 7W 12	300104093015601	112CHCTU	453	79-08-02	1215	1810	--	22.5	--
CN- 134 12S 10W 47	295839093203501	112CHCTU	710	79-03-27	1215	1430	--	24.5	--
IBERIA PARISH									
I- 93 12S 7E 5	300035091443301	112CHCTU	595	79-04-04	1420	1100	--	21.5	--
JEFFERSON PARISH									
JF- 65 12S 9E 37	295906090152701	112GZNO	698	79-01-18	0945	777	--	--	--
JF- 66 12S 9E 37	295907090152901	112GZNO	697	79-01-18	0950	2040	--	--	--
JF- 141 13S 22E 26	295525090111701	112GZNO	740	78-12-18	1200	1480	--	--	--
ORLEANS PARISH									
OR- 179 10S 15E 19	300959089441901	12115BR	2434	78-12-18	1410	619	--	--	--
ST. MARY PARISH									
SM- 57L 14S 8E 27	294749091402302	112CHCTU	743	79-04-04	1225	5330	--	23.5	--
SM- 57U 14S 8E 27	294749091402301	112CHCTU	638	79-04-04	1220	1140	--	23.5	--
VERMILION PARISH									
VE- 629L 14S 1E 23	294825092202005	112CHCTU	487	79-04-03	1625	1290	--	--	--
VE- 629U 14S 1E 23	294825092202004	112CHCTU	457	79-04-03	1555	1020	--	--	--
VE- 630L 14S 1E 10	295031092203203	112CHCTU	528	79-04-03	1740	1850	--	--	--
VE- 630U 14S 1E 10	295031092203202	112CHCTU	498	79-04-03	1756	1050	--	--	--
VE- 637U 13S 3E 15	295345092100702	112CHCTU	198	79-04-04	0940	1070	--	21.5	--
VE- 639 16S 1W 2	293845092264901	112CHCTU	618	79-04-03	1407	1500	--	24.0	--

Geologic unit (aquifer):

11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
112CHCTU-Chicot aquifer, upper part, Pleistocene age.
112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
12115BR-"1500-foot" sand of Baton Rouge area, Pliocene age.

LOCAL IDENTIFIER	DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DISSOLVED (MG/L AS SO4)
CAMERON PARISH--Continued										
CN- 80L 12S 3W 24	79-03-29	--	--	--	--	--	--	--	--	--
CN- 80U 12S 3W 24	79-03-29	--	--	--	--	--	--	--	--	--
CN- 81L 12S 3W 11	79-03-29	--	--	--	--	--	--	--	--	--
CN- 81U 12S 3W 11	79-03-29	--	--	--	--	--	--	--	--	--
CN- 86L 12S 12W 13	79-03-15	70	0	19	5.5	350	2.7	270	0	8.4
CN- 87 13S 10W 32	79-03-27	--	--	--	--	--	--	--	--	--
CN- 88L 12S 8W 14	79-03-28	--	--	--	--	--	--	290	0	--
CN- 88U 12S 8W 14	79-03-28	--	--	--	--	--	--	--	--	--
CN- 90 13S 7W 4	79-03-28	--	--	--	--	--	--	--	--	--
CN- 92 12S 7W 12	79-08-02	220	0	61	17	--	--	310	0	--
CN- 134 12S 10W 47	79-03-27	--	--	--	--	--	--	--	--	--
IBERIA PARISH--Continued										
I- 93 12S 7E 5	79-04-04	--	--	--	--	--	--	--	--	--
JEFFERSON PARISH--Continued										
JF- 65 12S 9E 37	79-01-18	15	--	--	--	--	--	--	--	--
JF- 66 12S 9E 37	79-01-18	66	--	--	--	--	--	--	--	--
JF- 141 13S 22E 26	78-12-18	30	--	--	--	--	--	--	--	--
ORLEANS PARISH--Continued										
OR- 179 10S 15E 19	78-12-18	0	--	--	--	--	--	--	--	--
ST. MARY PARISH--Continued										
SM- 57L 14S 8E 27	79-04-04	--	--	--	--	--	--	--	--	--
SM- 57U 14S 8E 27	79-04-04	--	--	--	--	--	--	--	--	--
VERMILION PARISH--Continued										
VE- 629L 14S 1E 23	79-04-03	--	--	--	--	--	--	--	--	--
VE- 629U 14S 1E 23	79-04-03	--	--	--	--	--	--	--	--	--
VE- 630L 14S 1E 10	79-04-03	--	--	--	--	--	--	--	--	--
VE- 630U 14S 1E 10	79-04-03	--	--	--	--	--	--	--	--	--
VE- 637U 13S 3E 15	79-04-04	--	--	--	--	--	--	--	--	--
VE- 639 16S 1W 2	79-04-03	--	--	--	--	--	--	--	--	--

LOCAL IDENTIFIER	DATE OF SAMPLE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	BROMIDE DISSOLVED (MG/L AS BR)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
CAMERON PARISH--Continued										
CN- 80L 12S 3W 24	79-03-29	270	--	.7	--	--	--	--	--	--
CN- 80U 12S 3W 24	79-03-29	240	--	.7	--	--	--	--	--	--
CN- 81L 12S 3W 11	79-03-29	420	--	1.1	--	--	--	--	--	--
CN- 81U 12S 3W 11	79-03-29	360	--	1.0	--	--	--	--	--	--
CN- 86L 12S 12W 13	79-03-15	420	.4	1.1	28	996	967	.20	70	70
CN- 87 13S 10W 32	79-03-27	1400	--	3.8	--	--	--	--	--	--
CN- 88L 12S 8W 14	79-03-28	520	--	1.4	--	--	--	--	--	--
CN- 88U 12S 8W 14	79-03-28	150	--	.4	--	--	--	--	--	--
CN- 90 13S 7W 4	79-03-28	160	--	.5	--	--	--	--	--	--
CN- 92 12S 7W 12	79-08-02	410	--	1.4	--	--	--	.30	--	200
CN- 134 12S 10W 47	79-03-27	310	--	.8	--	--	--	--	--	--
IBERIA PARISH--Continued										
I- 93 12S 7E 5	79-04-04	160	--	.3	--	--	--	--	--	--
JEFFERSON PARISH--Continued										
JF- 65 12S 9E 37	79-01-18	110	--	--	--	--	--	--	--	--
JF- 66 12S 9E 37	79-01-18	510	--	--	--	--	--	--	--	--
JF- 141 13S 22E 26	78-12-18	290	--	--	--	--	--	--	--	--
ORLEANS PARISH--Continued										
OR- 179 10S 15E 19	78-12-18	6.6	--	--	--	--	--	--	--	--
ST. MARY PARISH--Continued										
SM- 57L 14S 8E 27	79-04-04	1500	--	3.3	--	--	--	--	--	--
SM- 57U 14S 8E 27	79-04-04	190	--	.5	--	--	--	--	--	--
VERMILION PARISH--Continued										
VE- 629L 14S 1E 23	79-04-03	240	--	.7	--	--	--	--	--	--
VE- 629U 14S 1E 23	79-04-03	160	--	.5	--	--	--	--	--	--
VE- 630L 14S 1E 10	79-04-03	400	--	1.1	--	--	--	--	--	--
VE- 630U 14S 1E 10	79-04-03	140	--	.4	--	--	--	--	--	--
VE- 637U 13S 3E 15	79-04-04	160	--	.5	--	--	--	--	--	--
VE- 639 16S 1W 2	79-04-03	300	--	.8	--	--	--	--	--	--

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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
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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