Water Resources Data for Louisiana

Volume 3. Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-78-3

WATER YEAR 1978

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

CALENDAR FOR WATER YEAR 1978

1977

OCTOBER

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1978

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SEPTEMBER

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

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

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

1978

PREFACE

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

This report is one of a series issued by State. General direction for the series is by J. S. Cragwall, Jr., Chief Hydrologist, U.S. Geological Survey, and 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. Abstracts Water resources data for the 1978 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 76 gaging stations; stage records for 66 of these gaging stations; stage only for 32 gaging stations; contents for 1 reservoir; stage only for 12 lakes; water quality for 147 stations; 22 of these at gaging stations; 80 miscellaneous sites, 10 lakes, and 169 wells; and water levels for 686 observation wells. Also included are 199 crest-stage partial-record stations and flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements. 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. Key Words and Document Analysis. 17a. Descriptors

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17b. Identifiers/Open-Ended Terms

17c. COSATI Field/Group

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ILLUSTRATIONS

[Letter after station name designates type of data: (d) discharge, (g) gage height, (c) chemical, (b) biological, (t) water temperature, (s) sediment]

INTRODUCTION

Water resources data for the 1978 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 76 gaging stations; stage record for 66 of these gaging stations; stage only for 32 gaging stations; contents for 1 reservoir; stage only for 12 lakes; water quality for 147 stations; 22 of these at gaging stations; 80 miscellaneous sites, 10 lakes, and 169 wells; and water levels for 686 observation wells. Also included are 199 crest-stage partial-record stations and flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

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

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

Data Report LA-78-3." 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 W. H. Robinson, Federal representative and chairman; R. J. Palmer and D. V. Cresap for Louisiana; George Smith and J. M. Syler for Texas.

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

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army and U.S. Fish and Wildlife Service, in collection of records for 34 gaging stations and 82 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

The below-median runoff in northern Louisiana experienced during the summer of 1977 continued each month through April 1978. Heavy rainstorms during May produced flows above median for that month but runoff for the remainder of the 1978 water year was again below median. Runoff at the key station in this region was only 52 percent of median.

Runoff over the remainder of the State was well sustanined with no unusual events recorded. Runoff in the southwestern section was deficient during the spring and summer months with the key station showing 123 percent normal. No unusual flood events were experienced.

Red River continued its deficient flow conditions with every month in the last two years recording below normal runoff. The average for the 1978 water year was only 43 percent normal.

The lower Mississippi River system (the Mississippi and Atchafalaya Rivers) recorded runoff 15 percent above normal with no unusual flow condition during the year.

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

In southwestern Louisiana, water levels in wells in the Chicot aquifer in the rice irrigation area were generally lower than at the close of the 1977 water year. Water-level changes in key observation wells ranged from zero at Lafayette to a record low (4.3 feet lower than September 1977) in the Iowa area. In the Lake Charles area levels in wells in the Chicot "200-ft" and "700-ft" sands were generally 1-2 feet lower than in September 1977. In contrast, water levels for the Chicot "500-ft" sand were higher by as much as 5 feet. At Opelousas and Eunice, water levels in wells in the Evangeline aquifer reached record lows every month, May-September 1978, and ended the water year 5 feet lower at Opelousas and over a foot lower at Eunice than in September 1977.

In southeastern Louisiana, water levels rose slightly in wells in the Gonzales-New Orleans, Norco, and Gramercy aquifers of the New Orleans area and the "400-ft", "600-ft", "1500-ft", and "2000-ft" sands of the Baton Rouge area. In wells in the "2400-ft" and "2800-ft" sands of the Baton Rouge area, water levels were generally lower than last year and record lows were reached; water levels for the "1200-ft" sand remained about the same.

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

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-0, 4-endo-exo-5, 8-dimethano-naphthanene.

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

DDD (combination of ortho and para isomers)

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

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

DDE (combination of ortho and para isomers)

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

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

DDT (combination of ortho and para isomers)

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

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

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

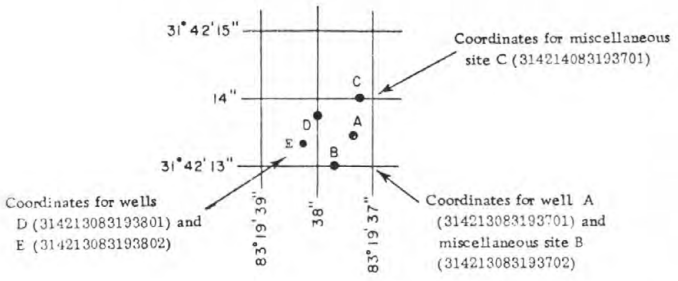

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

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

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. $1.60.

2-D1. *Application of surface geophysics to ground-water investigations,* by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS-TWRI Book 2, Chapter D1. 1974. 116 pages. $1.90

2-E1. *Application of borehole geophysics to water-resources investigations,* by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages. $1.75.

3-A1. *General field and office procedures for indirect discharge measurements,* by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages. $1.00.

3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages. $0.35.

3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. $0.40.

3-A4. *Measurement of peak discharge at width contractions by indirect methods,* by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages. $1.00

3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. $0.35.

3-A6. *General procedure for gaging streams,* by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6, 1968, 13 pages. $0.20.

3-A7. *Stage measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. $1.40.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. $1.25.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages. $1.20.

3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. $0.35. Not currently available.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages. $0.70.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS-TWRI Book 3, Chapter C1. 1970. 55 pages. $2.50.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages. $0.70.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. $2.10

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages. $1.60.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. $1.20.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages. $0.65.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. $0.75.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. $0.65.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages. $1.10.

5-A1. *Methods for collection and analysis of water samples for dissolved minerals and gases*, by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages. $2.40.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages. $0.80.

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See footnote on next page.

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5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages. $2.10.

7-C1. *A digital model for aquifer evaluation*, by G. F. Pinder: USGS--TWRI Book 7, Chapter C1. 1970. 18 pages. $0.65.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages. $0.70.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages. $1.10.

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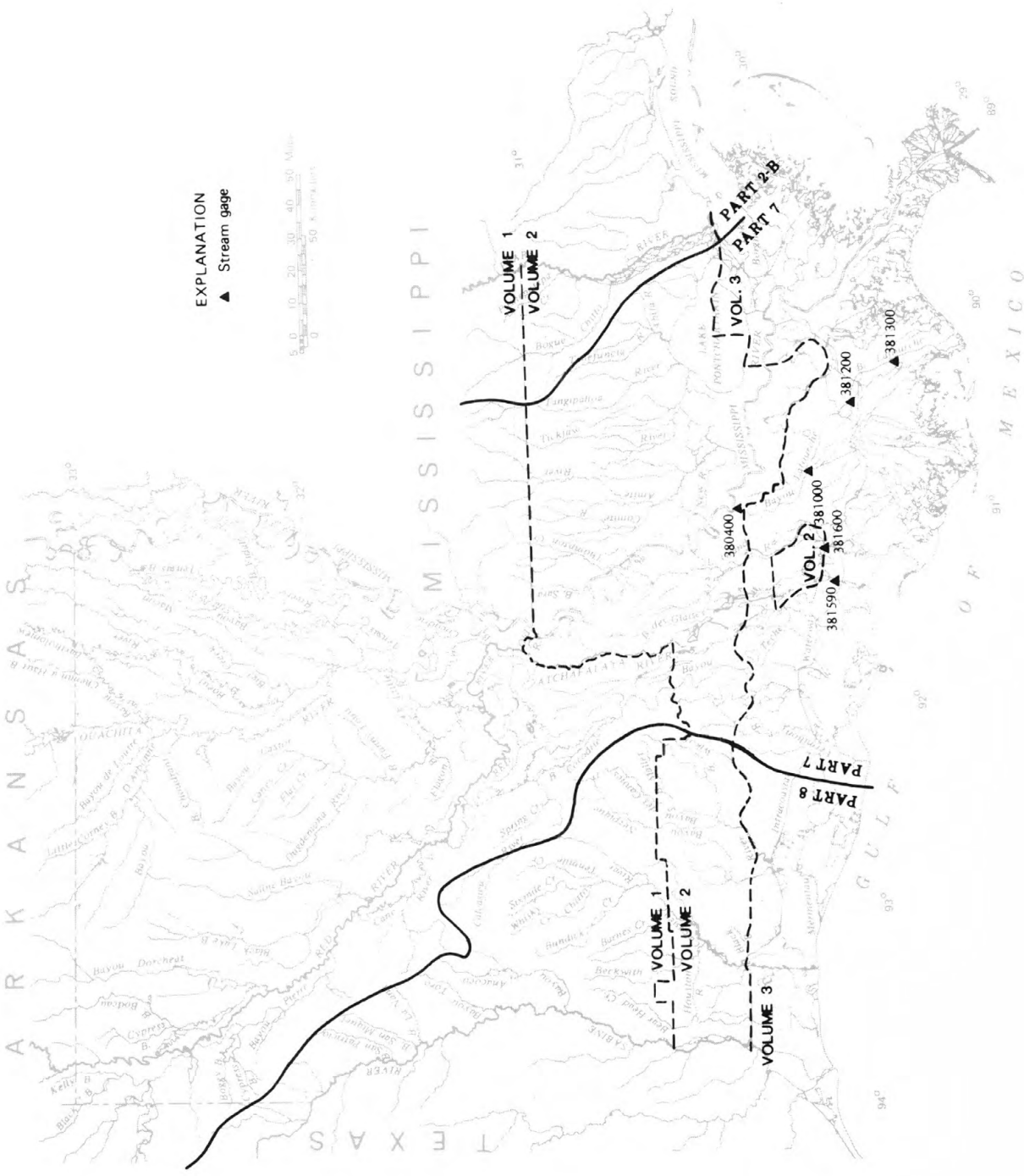

Figure 2. — Location of continuous gaging stations.

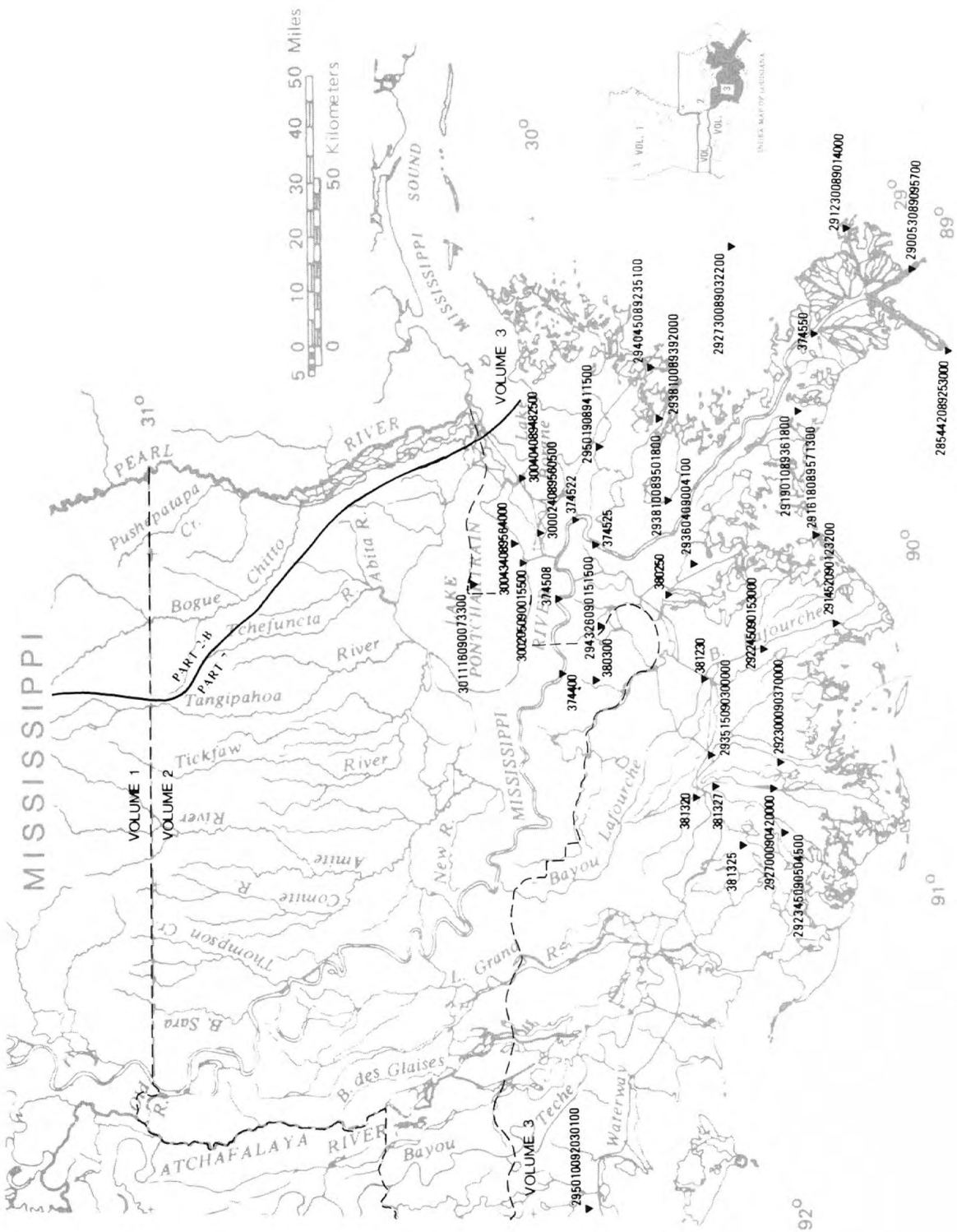

Figure 3. — Location of water-quality stations.

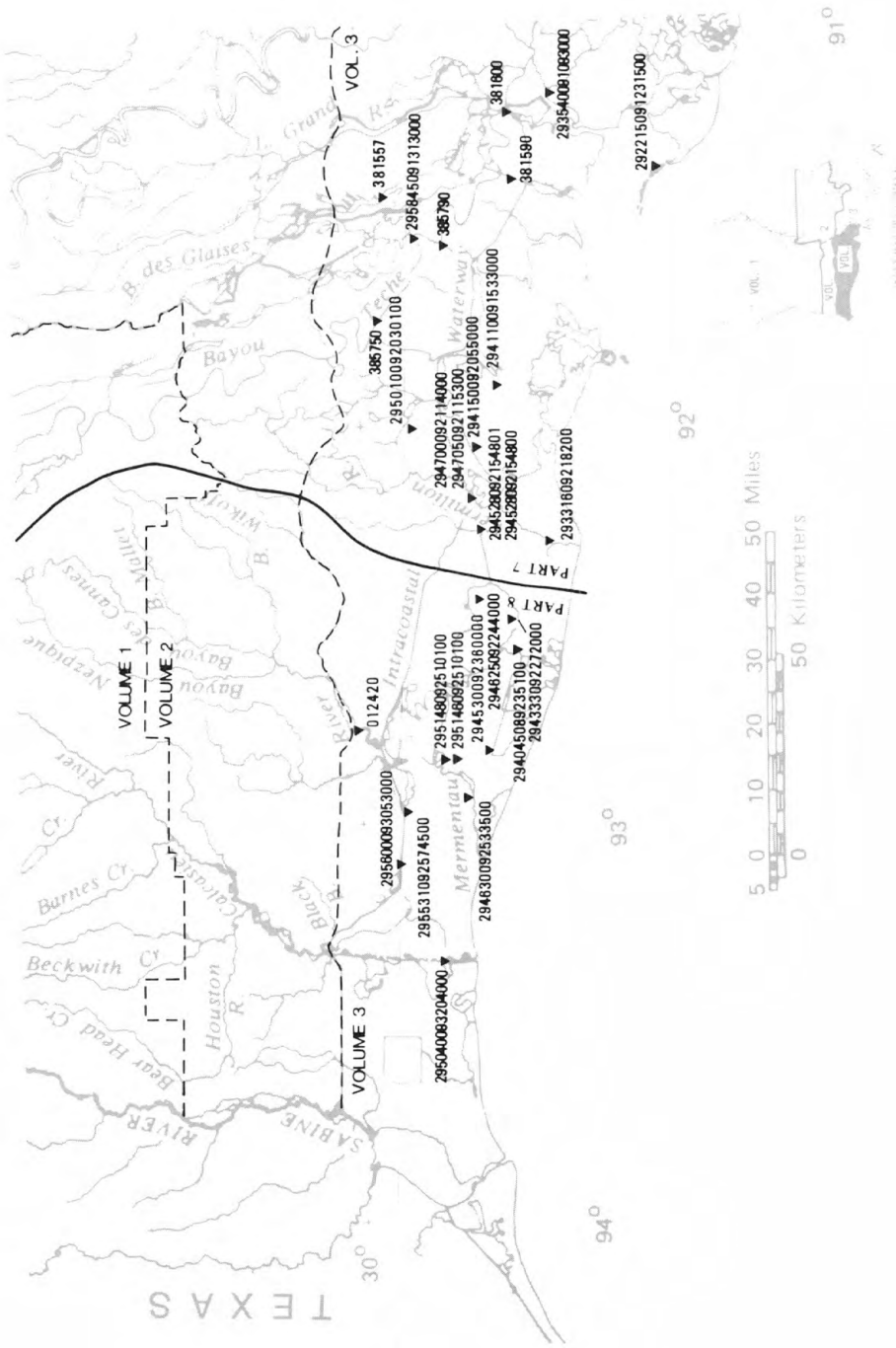

Figure 4. — Location of water-quality stations.

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; minimum, 7.2 units June 13, 14.
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, 589 micromhos July 3, 4; minimum, 217 micromhos Apr. 27.
pH: Maximum, 7.8 units several days in January, Aug. 10; minimum, 7.2 units June 13, 14.
WATER TEMPERATURES: Maximum, 31.5°C Aug. 9; minimum, 1.5°C Feb. 6-14.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
OCT												
14...	1115	375	7.7	21.0	10	70	7.3	1.8	K3000	430	140	35
NOV												
09...	1315	430	7.7	17.5	0	60	8.3	1.5	620	2800	180	54
DEC												
06...	1515	310	7.8	11.5	35	80	9.6	3.2	K1200	840	130	37
JAN												
18...	0945	381	7.9	3.5	10	70	13.3	3.9	K550	K750	160	59
FEB												
10...	0815	293	7.8	1.5	30	60	12.8	4.3	210	--	120	42
MAR												
08...	1515	382	7.6	5.5	15	40	11.4	2.2	--	800	140	44
APR												
13...	1445	325	7.4	14.5	--	80	7.7	3.2	K650	--	119	37
MAY												
09...	1530	387	7.7	17.5	10	130	8.0	2.5	380	2600	150	47
JUN												
07...	1335	378	7.2	25.0	30	65	6.7	1.5	390	K1200	150	48
JUL												
11...	0815	472	7.9	31.0	5	25	6.3	.0	--	820	170	53
AUG												
16...	1515	414	7.4	29.5	15	60	7.2	1.7	380	2300	154	43
SEP												
12...	1530	459	7.4	29.0	5	15	7.3	.7	K200	120	170	31

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

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY, TOTAL (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT											
14...	37	11	20	23	.7	3.9	128	0	105	56	23
NOV											
09...	47	14	21	20	.7	3.4	154	0	126	55	22
DEC											
06...	35	9.7	15	20	.6	3.3	110	0	90	38	15
JAN											
18...	44	12	15	17	.5	2.8	123	0	101	50	25
FEB											
10...	33	8.8	12	18	.5	2.2	95	0	78	37	18
MAR											
08...	39	11	19	22	.7	2.3	117	0	96	46	25
APR											
13...	36	7.1	13	19	.5	3.5	102	0	84	41	18
MAY											
09...	40	12	14	17	.5	3.5	126	0	103	44	17
JUN											
07...	42	12	15	17	.5	3.2	130	0	110	49	21
JUL											
11...	45	15	27	25	.9	3.4	148	0	120	61	34
AUG											
16...	42	12	18	20	.6	3.6	135	0	111	50	22
SEP											
12...	47	13	30	27	1.0	3.4	170	0	140	71	25

DATE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS NO3)	PHOS-PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
14...	.3	7.7	293	222	.40	1.1	.73	1.8	8.1	.32	--
NOV											
09...	.2	7.5	243	246	.33	1.6	.50	2.1	9.3	.27	--
DEC											
06...	.3	7.1	174	178	.24	1.3	.62	1.9	8.5	.06	--
JAN											
18...	.3	7.9	217	218	.30	1.8	.20	2.0	8.9	.42	--
FEB											
10...	.1	6.6	161	164	.22	1.1	.75	1.9	8.2	.28	--
MAR											
08...	.5	7.1	210	208	.29	1.2	.69	1.9	8.4	.31	--
APR											
13...	.2	6.7	177	176	.24	2.0	.83	2.8	13	.21	--
MAY											
09...	.2	7.1	205	200	.28	1.7	.94	2.6	12	.33	--
JUN											
07...	.3	7.0	219	214	.30	1.8	.54	2.3	10	.22	--
JUL											
11...	.4	4.8	268	264	.36	1.1	.58	1.7	7.4	.17	5.1
AUG											
16...	.5	7.1	262	222	.36	1.6	.72	2.3	10	.29	--
SEP											
12...	.4	3.8	278	277	.38	.61	.82	1.4	6.3	.19	--

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	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, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)
OCT 14...	2	<10	<9	1	4	4	--	<50	<50	0	20
JUL 11...	2	--	--	1	--	--	0	--	--	--	--

DATE	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 14...	16	4	5600	20	<100	<97	3	280	280	0	--
JUL 11...	--	5	--	50	--	--	5	--	--	0	.0

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	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)
OCT 14...	.0	0	40	10	30	--	--	--	.0	.00	.00
JUL 11...	--	--	--	--	20	5.1	.00	0	.0	.00	.00

DATE	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)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)
OCT 14...	.0	.00	.00	.00	.01	.00	--	.00	.00	.00	.00	.00
NOV 09...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)
OCT 14...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	--
NOV 09...	--	--	--	--	--	--	--	--	--	--	2400
JUL 11...	.00	.00	.00	.00	.00	0	.00	.01	.01	.00	--

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

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	388	381	---	---	357	346	309	302	364	358
2	---	---	395	387	---	---	368	357	309	301	374	364
3	---	---	410	400	---	---	362	360	302	291	374	369
4	---	---	412	410	---	---	362	356	295	289	374	370
5	---	---	428	416	---	---	370	358	293	289	384	371
6	---	---	431	425	---	---	381	368	308	294	386	373
7	---	---	434	429	---	---	388	378	310	292	384	377
8	---	---	443	431	---	---	390	377	293	287	386	378
9	---	---	452	443	---	---	386	378	290	284	388	381
10	---	---	474	456	---	---	389	379	297	285	386	379
11	---	---	476	461	---	---	395	387	307	298	394	390
12	---	---	466	432	---	---	397	393	305	302	409	392
13	---	---	436	424	---	---	399	392	302	284	409	401
14	---	---	431	419	337	331	397	387	282	269	403	394
15	---	---	422	415	342	334	400	392	269	263	393	388
16	---	---	437	422	333	328	400	393	270	262	395	389
17	---	---	451	442	330	323	404	397	275	268	398	388
18	371	365	447	420	323	320	395	377	290	273	396	387
19	381	371	418	395	320	316	376	367	310	289	392	387
20	382	375	394	379	320	314	376	368	319	308	400	390
21	381	373	384	380	336	304	375	368	333	316	391	381
22	377	372	390	383	312	307	367	350	346	334	386	380
23	382	377	396	390	309	306	349	329	348	342	386	374
24	387	382	405	392	314	308	332	320	361	348	380	371
25	393	386	417	405	316	313	321	316	366	355	376	367
26	391	387	427	418	323	315	315	306	367	358	371	366
27	388	384	444	428	328	322	309	301	370	362	379	372
28	386	380	442	433	342	327	307	286	360	356	378	361
29	388	377	432	420	350	341	288	283	---	---	360	349
30	387	384	418	393	343	340	298	288	---	---	348	336
31	391	388	---	---	349	340	302	298	---	---	338	334
MONTH	393	365	476	379	350	304	404	283	370	262	409	334

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	340	336	242	239	352	339	555	523	410	406	427	418
2	340	336	250	247	357	352	583	546	418	407	420	408
3	337	332	258	255	374	359	589	568	420	412	429	408
4	332	328	265	261	386	375	589	575	431	418	442	429
5	329	325	272	269	404	388	576	566	426	418	429	419
6	324	320	276	272	416	408	559	553	420	415	422	416
7	322	318	279	273	417	414	559	550	424	416	436	419
8	322	320	284	281	421	417	550	535	418	406	442	433
9	329	323	293	291	431	421	530	526	416	393	460	440
10	331	327	302	297	---	---	520	514	422	404	469	460
11	335	331	304	296	---	---	514	503	430	421	---	---
12	336	334	314	309	---	---	504	492	440	429	---	---
13	336	334	330	320	454	446	487	477	439	424	445	433
14	341	335	343	338	465	453	467	459	423	386	451	430
15	341	339	347	341	465	458	456	447	387	372	431	423
16	345	339	348	339	479	465	454	441	---	---	432	428
17	346	344	346	342	490	472	461	443	---	---	438	430
18	356	347	353	350	498	489	468	457	---	---	443	434
19	355	351	361	350	507	495	463	454	---	---	454	443
20	362	355	350	342	521	508	454	420	---	---	457	450
21	346	300	341	336	528	520	418	402	---	---	456	442
22	293	274	336	330	538	526	405	397	---	---	444	434
23	285	264	334	326	532	523	416	401	---	---	450	438
24	275	261	326	323	528	517	---	---	---	---	465	447
25	262	244	324	321	528	517	---	---	---	---	484	467
26	245	234	320	316	521	497	---	---	---	---	489	482
27	235	217	322	316	510	498	---	---	---	---	---	---
28	228	222	327	318	507	497	409	398	---	---	---	---
29	229	226	329	323	523	500	409	397	---	---	---	---
30	235	230	333	325	532	508	412	404	422	416	---	---
31	---	---	342	329	---	---	411	405	425	419	---	---
MONTH	362	217	361	239	538	339	589	397	440	372	489	408

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.3	7.3	7.5	7.5	7.4	7.4	7.4	7.4	7.5	7.4	7.6	7.6
2	7.3	7.3	7.5	7.5	7.4	7.4	7.4	7.4	7.5	7.5	7.6	7.5
3	7.3	7.3	7.5	7.5	7.4	7.4	7.5	7.4	7.5	7.4	7.6	7.5
4	7.3	7.3	7.5	7.5	7.4	7.4	7.5	7.4	7.5	7.4	7.6	7.6
5	7.3	7.3	7.5	7.5	7.4	7.4	7.5	7.4	7.5	7.4	7.5	7.5
6	7.3	7.3	7.5	7.5	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5
7	7.3	7.3	7.5	7.5	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.5
8	7.3	7.3	7.5	7.5	7.4	7.3	7.5	7.5	7.5	7.5	7.6	7.6
9	7.3	7.3	7.5	7.5	7.3	7.3	7.5	7.5	7.5	7.5	7.6	7.6
10	7.3	7.3	7.5	7.5	---	---	7.5	7.5	7.8	7.3	7.6	7.6
11	7.3	7.3	7.5	7.4	---	---	7.5	7.5	7.5	7.5	---	---
12	7.3	7.3	7.5	7.5	---	---	7.5	7.5	7.5	7.5	---	---
13	7.3	7.3	7.5	7.5	7.3	7.2	7.5	7.4	7.5	7.5	7.6	7.5
14	7.3	7.3	7.5	7.5	7.3	7.2	7.4	7.4	7.5	7.5	7.6	7.6
15	7.3	7.3	7.5	7.5	7.3	7.3	7.4	7.3	7.5	7.5	7.6	7.5
16	7.3	7.3	7.5	7.5	7.3	7.3	7.5	7.4	---	---	7.6	7.5
17	7.4	7.3	7.5	7.5	7.3	7.3	7.5	7.4	---	---	7.6	7.6
18	7.4	7.4	7.5	7.5	7.4	7.3	7.5	7.4	---	---	7.6	7.6
19	7.4	7.3	7.5	7.5	7.3	7.3	7.5	7.5	---	---	7.6	7.5
20	7.4	7.4	7.5	7.5	7.4	7.3	7.5	7.4	---	---	7.6	7.6
21	7.4	7.4	7.5	7.5	7.4	7.3	7.4	7.4	---	---	7.7	7.6
22	7.4	7.4	7.4	7.4	7.4	7.3	7.4	7.4	---	---	7.6	7.6
23	7.5	7.4	7.4	7.4	7.4	7.3	7.4	7.4	---	---	7.6	7.5
24	7.5	7.4	7.4	7.4	7.4	7.4	---	---	---	---	7.6	7.5
25	7.5	7.5	7.4	7.4	7.3	7.3	---	---	---	---	7.6	7.6
26	7.5	7.5	7.4	7.4	7.4	7.3	---	---	---	---	7.6	7.6
27	7.5	7.5	7.4	7.4	7.5	7.3	---	---	---	---	---	---
28	7.5	7.5	7.4	7.4	7.4	7.3	7.5	7.4	---	---	---	---
29	7.5	7.5	7.4	7.4	7.4	7.4	7.5	7.4	---	---	---	---
30	7.5	7.5	7.4	7.4	7.4	7.4	7.5	7.4	7.7	7.6	---	---
31	---	---	7.4	7.4	---	---	7.4	7.4	7.7	7.6	---	---
MONTH	7.5	7.3	7.5	7.4	7.5	7.2	7.5	7.3	7.8	7.3	7.7	7.5

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	18.0	18.0	---	---	5.5	5.5	2.5	2.5	5.5	5.0
2	---	---	18.0	18.0	---	---	5.5	5.0	2.5	2.0	5.5	5.0
3	---	---	18.0	17.5	---	---	5.5	5.0	2.0	2.0	5.5	5.5
4	---	---	18.0	17.5	---	---	5.5	4.5	2.0	2.0	6.0	5.5
5	---	---	17.5	17.5	---	---	5.0	4.5	2.0	2.0	6.0	5.5
6	---	---	17.5	17.5	---	---	5.0	4.5	2.0	1.5	6.0	6.0
7	---	---	17.5	17.0	---	---	5.0	4.5	2.0	1.5	6.0	6.0
8	---	---	17.5	17.5	---	---	5.0	4.5	2.0	1.5	6.0	6.0
9	---	---	17.5	17.0	---	---	5.0	4.5	1.5	1.5	6.0	6.0
10	---	---	17.0	16.5	---	---	5.0	5.0	1.5	1.5	6.0	5.5
11	---	---	17.0	16.5	---	---	5.0	5.0	1.5	1.5	6.5	6.0
12	---	---	17.0	16.5	---	---	5.5	5.0	2.0	1.5	6.5	6.5
13	---	---	17.0	16.5	---	---	5.0	5.0	2.0	1.5	7.0	6.5
14	---	---	16.5	16.5	8.5	8.0	5.0	4.5	2.0	1.5	7.0	6.5
15	---	---	16.5	16.0	8.0	8.0	4.5	4.0	2.0	2.0	7.5	7.0
16	---	---	16.0	16.0	8.0	7.5	5.0	4.0	2.5	2.0	7.5	7.0
17	---	---	16.0	16.0	8.0	7.5	4.5	3.5	2.5	2.0	7.5	7.0
18	19.5	19.5	16.0	15.5	7.5	7.0	3.5	3.5	2.5	2.5	8.0	7.5
19	19.5	19.0	15.5	15.5	7.5	7.0	3.5	3.0	3.5	2.5	8.5	8.0
20	19.5	19.0	15.5	15.5	7.5	7.0	3.0	2.5	3.0	2.5	8.5	8.0
21	19.0	19.0	15.5	15.0	7.5	7.0	2.5	2.0	3.5	3.0	8.5	8.0
22	19.0	18.5	15.0	15.0	7.5	7.0	2.0	2.0	3.5	2.5	8.5	8.0
23	18.5	18.5	15.0	14.5	7.5	7.0	2.0	2.0	3.5	3.0	8.5	8.0
24	18.5	18.0	15.0	14.5	7.0	7.0	2.5	2.0	4.0	3.0	8.5	8.5
25	18.0	18.0	14.5	14.0	7.5	6.5	2.5	2.0	4.0	3.5	9.0	8.5
26	18.0	17.5	14.0	13.5	7.5	7.0	2.5	2.0	4.0	3.5	9.0	8.5
27	18.0	17.5	14.0	13.5	7.5	7.0	2.5	2.0	4.5	3.5	9.0	8.5
28	18.0	17.5	14.0	13.5	7.0	6.5	3.0	2.5	5.5	5.0	8.5	8.5
29	18.0	17.5	14.0	13.5	6.5	6.0	3.0	2.5	---	---	8.5	8.5
30	18.0	17.5	13.5	13.0	6.0	6.0	3.0	2.5	---	---	8.5	8.5
31	18.0	17.5	---	---	6.0	5.5	2.5	2.5	---	---	9.0	8.5
MONTH	19.5	17.5	18.0	13.0	8.5	5.5	5.5	2.0	5.5	1.5	9.0	5.0

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

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	8.4	7.2	---	---	10.9	10.8	13.2	12.9	12.5	12.3
2	---	---	7.7	7.3	---	---	10.8	10.7	13.1	12.9	12.5	12.2
3	---	---	7.7	7.4	---	---	11.0	10.8	13.0	12.8	12.3	12.1
4	---	---	7.6	7.4	---	---	11.0	10.8	13.2	12.7	12.2	11.8
5	---	---	7.6	7.2	---	---	11.1	11.0	13.2	12.9	11.9	11.8
6	---	---	7.4	7.0	---	---	11.0	10.9	13.3	13.0	11.9	11.8
7	---	---	7.1	6.8	---	---	11.0	10.8	13.3	13.0	11.9	11.7
8	---	---	6.9	6.5	---	---	11.2	11.0	13.4	13.1	12.0	11.7
9	---	---	6.6	6.3	---	---	11.1	10.9	13.4	13.2	11.9	11.6
10	---	---	6.4	6.2	---	---	11.1	11.0	13.5	13.1	11.7	11.6
11	---	---	6.3	5.9	---	---	11.0	10.9	13.4	13.0	11.8	11.5
12	---	---	6.1	5.7	---	---	11.0	10.9	13.3	12.9	11.7	11.5
13	---	---	5.8	5.7	---	---	11.0	10.9	13.2	12.8	11.6	11.3
14	---	---	---	---	10.0	9.8	10.9	10.8	13.1	12.7	11.4	11.2
15	---	---	---	---	9.9	9.8	11.1	10.9	12.9	12.6	11.3	11.1
16	---	---	---	---	9.8	9.7	11.1	11.0	12.8	12.5	11.4	11.1
17	---	---	---	---	9.7	9.6	11.1	10.9	12.6	12.3	11.2	11.0
18	---	---	8.3	8.2	9.9	9.8	11.2	10.9	12.5	12.3	11.1	10.8
19	8.0	8.0	8.4	8.2	9.9	9.8	11.2	11.0	12.3	12.1	10.8	10.6
20	8.1	8.0	8.5	8.2	9.9	9.7	11.1	10.9	12.1	11.5	10.7	10.6
21	8.2	8.1	8.5	8.3	10.1	9.8	11.5	10.9	11.8	11.6	10.6	10.3
22	8.3	8.2	8.5	8.3	10.0	9.9	12.1	11.8	11.6	11.2	10.4	9.7
23	8.4	8.3	8.6	8.3	10.1	10.0	12.0	11.8	11.3	10.6	9.9	9.6
24	8.5	8.3	8.6	8.4	10.1	9.9	12.0	11.9	10.6	10.3	9.8	9.6
25	8.5	8.4	8.5	8.2	10.0	9.9	11.9	11.5	10.6	9.9	9.8	9.5
26	8.4	8.3	8.3	8.1	10.2	10.0	11.7	11.6	10.6	10.2	9.6	9.3
27	8.3	8.1	8.2	8.0	10.1	10.0	11.6	11.3	12.6	10.0	9.7	9.3
28	8.3	8.2	8.3	7.9	10.6	9.9	11.2	11.1	12.6	12.3	9.5	9.1
29	8.3	8.3	8.3	8.1	10.8	10.6	11.2	11.0	---	---	9.4	9.2
30	8.3	8.3	8.1	7.4	10.8	10.7	13.2	10.8	---	---	9.2	8.9
31	8.4	8.3	---	---	10.9	10.8	13.2	13.0	---	---	8.9	8.6
MONTH	8.5	8.0	8.6	5.7	10.9	9.6	13.2	10.7	13.5	9.9	12.5	8.6

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.6	8.4	7.4	7.3	7.5	7.0	6.4	6.1				
2	8.4	8.4	7.5	7.3	7.1	7.0	6.4	6.1				
3	8.3	8.2	7.6	7.4	7.0	6.9	6.3	6.0				
4	8.3	8.1	7.7	7.5	7.0	6.9	6.5	6.1				
5	8.2	8.0	7.6	7.5	6.9	6.7	6.3	6.1				
6	8.1	7.8	7.6	7.4	6.8	6.7	6.1	5.9				
7	7.9	7.7	7.7	7.6	6.7	6.5	6.0	5.7				
8	7.7	7.5	7.7	7.5	6.5	6.0	6.0	5.7				
9	7.5	7.3	7.6	7.4	6.0	5.5	6.0	5.7				
10	7.4	7.2	7.5	7.2	---	---	5.9	5.6				
11	7.3	7.2	---	---	---	---	5.7	5.2				
12	7.3	7.1	---	---	---	---	5.3	4.6				
13	7.1	7.1	---	---	6.3	6.0	---	---				
14	7.1	6.9	---	---	6.1	6.0	---	---				
15	7.0	6.8	---	---	6.0	5.9	---	---				
16	6.9	6.8	---	---	6.0	5.8	---	---				
17	7.0	6.7	---	---	5.8	5.7	---	---				
18	7.0	6.9	---	---	5.7	5.5	---	---				
19	7.0	6.8	---	---	5.7	5.5	---	---				
20	6.9	6.6	8.9	8.7	5.7	5.5	---	---				
21	6.8	6.7	8.8	8.6	5.6	5.5	---	---				
22	7.0	6.7	8.6	8.5	5.6	5.4	---	---				
23	7.1	7.0	8.5	8.4	5.9	5.4	---	---				
24	7.2	7.1	8.3	8.2	5.8	5.6	---	---				
25	7.2	7.1	8.3	8.2	5.6	5.5	---	---				
26	7.3	7.1	8.3	8.2	6.4	5.4	---	---				
27	7.5	7.2	8.3	8.1	6.3	6.0	---	---				
28	7.3	7.1	8.1	7.8	6.2	6.0	---	---				
29	7.2	7.1	7.9	7.8	6.2	6.0	---	---				
30	7.3	7.2	7.8	7.6	6.3	6.1	---	---				
31	---	---	7.6	7.5	---	---	---	---				
MONTH	8.6	6.6	9.0	6.4	7.5	5.4	6.5	4.6				

MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA

LOCATION.--Lat 29°52'52", long 89°54'02", T.14 S., R.13 E., St. Bernard Parish, Hydrologic Unit 08090100, 300 ft (91 m) from left bank at village of River Bend, 1.0 mi (1.6 km) south of Violet, and at mile 82.5 (132.7 km).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year (discontinued).

REMARKS.--Samples are collected at 2.0 ft (0.6 m) and at 50 ft (15 m) below water surface to June 1976. Since July 1976, all samples are 2.0 ft (0.6 m) below water surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)
OCT												
12...	1315	404	7.6	22.5	10	70	7.1	33	1.0	31000	6200	130
NOV												
10...	0845	444	7.7	17.0	0	40	8.8	28	1.1	8600	2200	170
DEC												
06...	1145	325	7.8	12.5	15	20	9.8	30	3.0	--	1300	130
JAN												
17...	1550	388	7.8	4.0	10	45	12.8	23	2.1	12000	K3600	160
FEB												
09...	1530	290	7.9	2.0	30	60	12.0	17	4.8	3800	1800	120
MAR												
09...	0905	381	7.6	5.5	15	40	12.1	6	2.7	10000	3100	140
APR												
14...	0900	325	7.1	14.5	10	75	7.8	65	1.4	4200	K3200	130
MAY												
10...	0815	381	7.6	17.5	15	110	7.6	27	1.1	8100	3400	150
JUN												
07...	1415	386	6.9	25.0	40	60	6.6	27	4.9	5000	2600	150
JUL												
10...	1130	504	7.8	31.0	5	30	6.9	14	.0	13000	2000	180
AUG												
17...	0800	414	7.5	29.5	15	50	6.9	15	.9	69000	--	160
SEP												
12...	1430	488	7.9	29.5	5	10	7.4	18	.2	38000	14000	170

DATE	HARDNESS, NONCARBONATE, DIS. (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)	ALKALINITY, TOTAL (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SETTLEABLE MATTER (ML/L/ HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT												
12...	42	35	11	107	0	88	47	30	138	<1.0	1.1	.01
NOV												
10...	41	45	14	157	0	129	57	25	73	<1.0	1.6	.01
DEC												
06...	37	34	9.8	108	0	89	39	18	151	<1.0	1.3	.01
JAN												
17...	52	42	13	132	0	108	46	22	86	<1.0	1.9	.03
FEB												
09...	39	34	9.3	99	0	81	37	16	127	<1.0	1.1	.02
MAR												
09...	46	39	11	118	0	97	47	31	87	<1.0	1.2	.02
APR												
14...	48	36	9.4	100	0	82	38	20	120	<1.0	2.1	.04
MAY												
10...	45	42	12	128	0	105	48	18	216	<1.0	2.0	.02
JUN												
07...	45	41	12	128	0	105	48	23	104	<1.0	1.9	.03
JUL												
10...	60	48	14	146	0	120	61	44	10	<1.0	1.1	.01
AUG												
17...	40	43	12	143	0	120	58	20	64	<1.0	1.6	.03
SEP												
12...	34	46	13	164	0	130	70	30	8	<1.0	.70	.01

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

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

07374522 MISSISSIPPI RIVER AT VIOLET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
OCT												
12...	1.1	.57	.30	2	0	2	0	0	0	<10	<9	1
NOV												
10...	1.6	.61	.28	3	1	2	0	0	0	0	0	0
DEC												
06...	1.3	.51	.38	2	0	2	0	0	0	0	0	0
JAN												
17...	1.9	.48	.32	2	1	1	0	0	0	1	1	0
FEB												
09...	1.1	.53	.24	2	1	1	0	0	0	1	1	0
MAR												
09...	1.2	.36	.31	2	1	1	10	0	10	1	0	1
APR												
14...	2.1	.66	.25	4	0	4	10	10	0	1	0	1
MAY												
10...	2.0	.41	.30	3	2	1	0	0	0	1	0	1
JUN												
07...	1.9	.75	.16	4	1	3	0	0	0	2	1	1
JUL												
10...	1.1	.58	.25	3	1	2	10	10	0	2	0	2
AUG												
17...	1.6	.54	.25	3	1	2	0	0	0	1	1	0
SEP												
12...	.71	.38	.13	3	1	2	0	0	0	1	1	0

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT												
12...	30	0	10	6	4	20	<100	<100	0	.0	.0	.0
NOV												
10...	16	0	6	5	1	90	8	8	0	.0	.0	.0
DEC												
06...	0	0	10	6	4	40	4	4	0	.0	.0	.0
JAN												
17...	0	0	10	6	4	50	7	5	2	.0	.0	.0
FEB												
09...	0	0	7	2	5	60	6	4	2	.0	.0	.0
MAR												
09...	10	0	6	1	5	10	7	2	5	.0	.0	.0
APR												
14...	0	0	13	9	4	40	4	3	1	.0	.0	.0
MAY												
10...	0	0	13	10	3	0	8	3	5	.0	.0	.0
JUN												
07...	10	0	18	11	7	20	10	9	1	.0	.0	.0
JUL												
10...	10	0	12	5	7	20	9	4	5	.1	.1	.0
AUG												
17...	10	0	8	2	6	20	5	5	0	.0	.0	.0
SEP												
12...	10	0	5	0	5	40	6	6	0	.0	.0	.0

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

MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	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)	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)
OCT												
12...	<50	<47	3	0	0	0	2.2	40	20	20	4.9	.00
NOV												
10...	10	9	1	0	0	0	.3	40	30	10	5.3	.00
DEC												
06...	14	13	1	0	0	0	.8	40	30	10	6.2	.00
JAN												
17...	11	8	3	0	0	0	--	30	10	20	4.0	.00
FEB												
09...	12	10	2	0	0	0	.0	40	0	40	1.3	.00
MAR												
09...	7	6	1	0	0	0	.0	20	10	10	4.5	.00
APR												
14...	17	12	5	0	0	0	.0	30	20	10	7.1	.00
MAY												
10...	9	8	1	1	1	0	.0	40	30	10	9.3	.00
JUN												
07...	18	15	3	1	0	1	1.1	60	40	20	5.6	.00
JUL												
10...	7	1	6	1	0	1	.0	20	0	20	4.4	.00
AUG												
17...	8	4	4	1	1	0	1.9	20	0	20	5.4	.00
SEP												
12...	4	2	2	0	0	0	1.0	10	0	10	5.8	.00

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT		
12...	2	0
NOV		
10...	1	0
DEC		
06...	2	0
JAN		
17...	2	0
FEB		
09...	0	0
MAR		
09...	1	0
APR		
14...	0	0
MAY		
10...	0	0
JUN		
07...	2	0
JUL		
10...	0	0
AUG		
17...	0	0
SEP		
12...	1	0

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 current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 621 micromhos June 26, 1977; minimum, 248 micromhos Mar. 31, 1976.
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, 505 micromhos July 6, Sep. 27; minimum, 273 micromhos Feb. 16.
WATER TEMPERATURES: Maximum, 31.0°C several days in July and August; minimum, 2.0°C Feb. 6, 8, 10, 11.
CHLORIDE: Maximum, 47 mg/L July 6; minimum, 14 mg/L Feb. 10.
SULFATE: Maximum, 73 mg/L Sep. 20; minimum, 31 mg/L May 27.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS, DIS-SOLVED (MG/L AS CACO3)
OCT												
12...	1045	--	400	7.6	22.5	30	80	7.2	.9	3500	K1800	140
NOV												
10...	0945	--	440	7.7	17.0	0	65	8.8	1.6	2900	1800	170
DEC												
06...	1030	--	318	7.8	11.5	15	20	9.8	2.5	--	3800	130
JAN												
18...	1300	--	391	7.9	3.5	10	65	13.2	3.0	2300	K2000	150
FEB												
09...	1345	--	291	7.8	1.5	30	60	12.7	4.8	K800	500	110
MAR												
09...	0930	--	380	7.7	5.5	10	40	12.1	3.1	3200	2100	140
APR												
14...	0830	953000	327	7.3	14.5	50	80	7.3	.2	1100	--	130
MAY												
10...	0830	--	384	7.6	17.5	15	110	7.5	1.1	2400	--	150
JUN												
08...	1230	746000	376	7.2	25.0	40	55	6.5	6.0	K2000	K2800	150
29...	1430	--	414	7.7	--	0	25	--	--	--	--	160
AUG												
17...	0900	291100	413	7.4	29.5	15	40	6.8	.8	--	1400	160
SEP												
12...	1000	249000	499	7.7	29.0	5	10	7.2	.3	K2200	200	180

DATE	HARD-NESS, NONCAR-BONATE, DIS. (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, TOTAL (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT												
12...	48	37	11	24	27	.9	4.3	112	0	92	50	30
NOV												
10...	45	44	14	22	22	.7	3.5	152	0	125	57	25
DEC												
06...	38	35	9.8	15	20	.6	3.4	110	0	90	39	18
JAN												
18...	52	44	9.7	17	19	.6	2.8	110	0	90	47	26
FEB												
09...	28	32	7.3	12	19	.5	2.3	101	0	83	34	17
MAR												
09...	42	39	11	20	23	.7	2.3	119	0	98	45	30
APR												
14...	46	35	9.3	13	18	.5	3.5	103	0	84	38	19
MAY												
10...	43	40	12	14	17	.5	3.4	130	0	107	46	17
JUN												
08...	40	39	12	18	18	.5.0	3.1	127	0	104	48	23
29...	49	42	13	20	21	.7	3.2	133	0	109	51	30
AUG												
17...	48	43	12	19	20	.7	3.6	137	0	112	50	23
SEP												
12...	44	47	14	38	32	1.3	3.8	160	0	131	70	36

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 1977 TO SEPTEMBER 1978

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)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT												
12...	.4	6.7	220	219	.30	--	1.1	--	--	.65	--	--
NOV												
10...	.2	7.6	252	248	.34	--	1.6	--	--	.57	--	--
DEC												
06...	.3	7.2	178	182	.24	--	1.3	--	--	.70	--	--
JAN												
18...	.2	7.9	226	209	.31	--	1.9	.10	--	--	--	.61
FEB												
09...	.1	6.3	163	161	.22	--	1.1	.12	.67	.79	.00	--
MAR												
09...	.5	6.9	209	213	.28	--	1.2	.18	.54	.72	.31	.41
APR												
14...	.2	6.5	184	176	.25	473000	2.1	.14	.65	.79	.02	.77
MAY												
10...	.2	7.1	207	204	.28	--	2.0	.03	2.5	2.5	1.9	.64
JUN												
08...	.2	--	219	211	.30	441000	1.8	.05	.66	.71	.25	.46
29...	.3	5.9	235	231	.32	--	1.4	.00	.67	.67	.13	.54
AUG												
17...	.5	7.2	266	226	.36	209000	1.7	.15	.35	.50	.03	.47
SEP												
12...	.5	4.0	315	292	.43	212000	.63	.07	--	--	--	.91

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	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)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
OCT											
12...	1.8	7.7	.33	--	5.7	--	--	--	94	263	--
NOV											
10...	2.2	9.6	.30	--	--	--	--	1200	93	197	--
DEC											
06...	2.0	8.9	.40	--	--	--	--	--	88	426	--
JAN											
18...	--	--	.33	.14	--	4.1	1.8	--	91	247	--
FEB											
09...	1.9	8.4	.26	.11	3.5	--	--	--	88	158	--
MAR											
09...	1.9	8.5	.32	.20	4.4	--	--	2000	92	124	--
APR											
14...	2.9	13	.27	.05	--	4.7	2.5	--	84	363	934000
MAY											
10...	4.5	20	.29	.08	--	--	--	--	82	354	--
JUN											
08...	2.5	11	.22	.09	5.1	--	--	--	89	231	465000
29...	2.1	9.2	.15	.14	--	5.6	--	--	--	--	--
AUG											
17...	2.2	9.7	.22	.15	5.2	--	--	--	97	267	210000
SEP											
12...	--	--	.18	.02	5.0	--	--	--	95	74	49800

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	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 12...	3	1	2	--	--	--	30	26	4	30
JAN 18...	3	1	2	100	0	100	2	1	1	10
APR 14...	4	0	4	300	0	300	4	2	2	0
JUN 29...	3	1	2	100	0	200	1	0	1	0

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
OCT 12...	20	10	<50	<50	0	30	23	7	6100	6100
JAN 18...	10	0	3	3	0	12	8	4	5100	5100
APR 14...	0	0	2	2	0	26	22	4	5300	5300
JUN 29...	0	0	2	0	2	12	5	7	1600	1600

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
OCT 12...	40	<100	<100	0	270	250	20	.0	.0	.0
JAN 18...	20	10	9	1	260	250	10	.0	.0	.0
APR 14...	20	6	5	1	240	220	20	.1	.0	.1
JUN 29...	20	6	1	5	80	50	30	.0	.0	.0

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 12...	0	0	0	--	--	--	40	10	30
JAN 18...	0	0	0	1	1	0	40	20	20
APR 14...	0	0	0	0	0	0	30	20	10
JUN 29...	0	0	0	0	0	0	20	10	10

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS 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 NATURAL DIS-SOLVED (UG/L AS U)
JAN 18...	<3.3	6.3	5.9	18	5.1	17	.15	.7
JUN 29...	4.1	.9	7.2	1.2	6.8	1.1	.11	--

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

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)
OCT 12...	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00

DATE	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARATHION, 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)
OCT 12...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.01

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

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

	COMPOUND	CONCENTRATION (UG/L)
	OCTOBER 12, 1978 1045 HOURS	
VOLATILE	DICHLOROMETHANE	6
	CHLOROFORM	1
	1, 2-DICHLOROETHANE	4

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	434	426	---	328	298	377	324	379	334	443	447	448
2	426	420	354	341	311	374	329	384	344	467	445	446
3	416	415	333	340	---	385	326	392	346	484	450	444
4	380	416	332	351	298	383	321	395	351	502	454	---
5	379	420	324	353	293	376	319	398	361	503	463	459
6	382	427	320	362	294	382	347	396	374	505	456	455
7	388	445	321	371	309	382	331	387	381	498	457	431
8	397	435	321	385	299	384	311	377	382	501	454	448
9	394	434	324	377	295	384	312	378	368	499	456	---
10	405	434	320	377	289	385	316	380	386	495	450	---
11	427	448	320	384	299	377	321	382	387	490	450	---
12	398	442	314	388	308	395	324	365	389	494	455	---
13	385	413	306	392	304	404	326	376	395	463	459	476
14	384	392	311	394	294	410	326	386	396	482	467	459
15	388	380	311	394	279	401	329	387	406	473	447	476
16	383	371	314	394	273	392	330	371	410	474	430	472
17	385	378	308	391	278	384	334	354	416	476	411	459
18	392	396	303	408	283	385	336	348	416	486	423	461
19	404	378	304	384	293	382	342	351	420	494	441	459
20	407	354	304	376	309	378	344	343	426	484	448	468
21	415	341	304	374	327	383	347	336	434	462	456	480
22	409	338	296	372	333	373	350	331	438	---	456	476
23	410	342	304	362	350	371	358	323	441	438	470	458
24	413	347	305	339	---	363	367	322	434	441	465	458
25	411	352	309	328	365	359	376	320	423	452	456	466
26	409	364	308	324	380	355	377	314	422	458	443	489
27	405	365	316	319	383	354	380	312	415	452	443	505
28	405	382	319	316	392	358	378	311	412	452	440	493
29	403	384	332	296	---	348	378	316	414	436	435	488
30	409	371	332	296	---	338	377	319	429	439	436	482
31	415	---	331	303	---	---	---	323	---	448	444	---
MONTH	402	394	317	359	313	377	341	357	398	473	449	466

YEAR MAX 505 MIN 273 MEAN 387

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	---	---	8.0	4.0	6.0	10.0	20.0	23.0	29.0	31.0	30.0
2	28.0	---	15.0	7.0	4.0	6.0	11.0	21.0	23.0	29.0	31.0	30.0
3	25.0	---	15.0	7.0	---	6.0	10.0	20.0	24.0	29.0	30.0	30.0
4	24.0	---	15.0	6.0	2.5	6.0	12.0	18.0	23.0	30.0	---	---
5	24.0	18.0	15.0	---	3.0	6.0	12.0	19.0	24.0	30.0	31.0	29.0
6	25.0	18.0	15.0	9.0	2.0	8.0	13.0	18.0	25.0	29.0	31.0	29.0
7	---	19.0	12.0	11.0	3.0	7.0	13.0	18.0	25.0	30.0	31.0	29.0
8	24.0	18.0	12.0	10.0	2.0	7.0	13.0	20.0	25.0	---	30.0	29.0
9	24.0	18.0	12.0	8.0	3.0	7.0	14.0	18.0	25.0	30.0	30.0	29.0
10	---	18.0	11.0	5.0	2.0	7.0	15.0	18.0	20.0	31.0	30.0	29.0
11	24.0	18.0	10.0	6.0	2.0	8.0	15.0	---	27.0	31.0	30.0	29.0
12	22.0	18.0	10.0	7.0	3.0	10.0	15.0	18.0	26.0	31.0	30.0	28.5
13	22.0	17.0	11.0	6.0	3.0	11.0	17.0	18.0	27.0	31.0	30.0	28.0
14	21.0	17.0	10.0	5.0	5.0	12.0	18.0	19.0	26.0	31.0	30.0	28.0
15	21.0	17.0	12.0	7.0	6.0	12.0	16.0	19.0	26.0	31.0	30.0	28.0
16	---	18.0	11.0	5.0	3.0	9.0	16.0	20.0	27.0	31.0	30.0	28.0
17	20.0	18.0	10.0	5.0	8.0	9.0	17.0	20.0	26.0	31.0	30.0	28.0
18	20.0	17.0	10.0	5.0	7.0	9.0	18.0	20.0	27.0	31.0	30.0	29.0
19	20.0	17.0	11.0	5.0	4.0	10.0	18.0	21.0	27.0	31.0	30.0	29.0
20	20.0	---	8.0	4.0	4.0	10.0	18.0	21.0	26.0	31.0	29.0	28.0
21	20.0	19.0	8.0	4.0	4.0	9.0	18.0	21.0	27.0	31.0	30.0	28.0
22	---	18.0	8.0	4.0	4.0	9.0	18.0	21.0	27.0	---	30.0	29.0
23	---	20.0	8.0	4.0	4.5	10.0	19.0	21.0	27.0	31.0	30.0	28.0
24	---	17.0	---	5.0	---	10.0	19.0	21.0	28.0	31.0	30.0	28.0
25	---	18.0	10.0	9.0	5.0	10.0	19.0	21.0	28.0	30.0	30.0	28.0
26	---	15.0	8.0	7.0	5.0	10.0	18.0	21.0	28.0	30.0	30.0	28.0
27	---	15.0	8.0	5.0	5.0	9.0	18.0	21.0	29.0	30.0	30.0	28.0
28	---	15.0	8.0	6.0	4.0	9.0	18.0	22.0	29.0	30.0	29.0	28.0
29	---	14.0	8.0	4.0	---	9.0	18.0	22.0	29.0	30.0	29.0	28.0
30	18.0	15.0	8.0	4.0	---	9.0	---	22.0	29.0	30.0	30.0	28.0
31	---	---	8.0	4.0	---	---	---	22.0	---	31.0	30.0	---
MONTH	---	17.5	10.5	6.0	4.0	8.5	15.5	20.0	26.0	30.5	30.0	28.5

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

DISSOLVED SULFATE (SO4), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	53	---	39	39	44	42	44	41	43	59	65
2	51	46	45	44	43	45	47	47	40	57	56	68
3	52	51	45	44	---	46	41	46	41	50	61	64
4	46	52	43	43	39	43	42	45	43	59	58	---
5	47	52	45	45	37	44	41	46	45	54	48	67
6	46	51	42	47	39	45	42	50	40	60	47	68
7	48	53	36	47	39	45	43	49	40	52	45	64
8	47	54	42	49	37	45	40	49	45	61	50	66
9	49	54	42	49	37	47	40	47	51	61	48	---
10	49	55	38	47	33	48	39	47	53	61	45	---
11	49	58	41	49	38	41	37	44	53	58	53	---
12	53	58	42	48	40	---	38	35	51	60	47	---
13	48	52	43	49	41	45	40	46	49	63	61	67
14	51	49	43	49	39	40	39	43	51	61	60	65
15	50	48	45	47	39	46	42	48	49	61	61	71
16	52	47	45	48	38	46	40	43	48	61	60	69
17	52	43	42	47	38	46	42	44	49	63	55	67
18	54	45	40	48	37	48	40	42	49	62	56	67
19	55	45	42	53	39	45	42	43	49	63	58	68
20	56	44	42	37	41	45	40	42	51	62	60	73
21	58	41	34	45	43	47	42	42	54	59	53	72
22	57	38	39	41	43	45	39	40	52	---	60	72
23	56	43	38	45	44	46	42	42	53	57	58	70
24	57	43	38	43	---	48	42	41	53	59	54	66
25	57	45	38	43	45	42	42	33	51	60	50	66
26	55	46	42	43	45	37	42	32	51	53	60	68
27	56	48	41	43	45	47	---	31	52	49	52	67
28	56	47	41	40	45	46	---	36	50	52	62	69
29	54	50	44	41	---	47	---	38	50	55	61	66
30	53	48	43	40	---	45	---	37	47	54	62	65
31	53	---	40	39	---	---	---	39	---	57	64	---
MONTH	52	49	41	45	40	44	41	42	48	58	56	68

YEAR MAX 73 MIN 31 MEAN 49

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

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

YEAR MAX 47 MIN 14 MEAN 26

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SPETEMBER 1978

NOV. 10, 1977 0945 HOURS

PHYTOPLANKTON 1,200 CELLS/ML

ORGANISM NAME	CELLS/ML	PER CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...COELASTRACEAE		
....COELASTRUM	110	9
...SCENEDESMACEAE		
....SCENEDESMUS	61	5
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	180	16
....MELOSIRA	470	41
....STEPHANODISCUS	54	5
..PENNALES		
...DIATOMACEAE		
....DIATOMA	23	2
...NITZSCHIACEAE		
....NITZSCHIA	8	1
CYANOPHYTA		
.CYANOPHYCEAE		
..HORMOGONALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	250	21

MAR. 9, 1978 0930 HOURS

PHYTOPLANKTON 2,000 CELLS/ML

ORGANISM NAME	CELLS/ML	PER CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...MICRACTINIACEAE		
....MICRACTINIUM	32	2
...OOCYSTACEAE		
....ANKISTRODESMUS	53	3
....DICTYOSPHAERIUM	32	2
...SCENEDESMACEAE		
....CRUCIGENIA	43	2
....TETRASTRUM	43	2
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	53	3
...PHACOTACEAE		
....PTEROMONAS	11	1
..ZYGNEMATALES		
...ZYGNEMATACEAE		
....MOUGEOTIA	64	3
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	710	36
....MELOSIRA	380	20
..PENNALES		
...FRAGILARIACEAE		
....ASTERIONELLA	150	8
....SYNEDRA	43	2
...GOMPHONEMATACEAE		
....GOMPHONEMA	11	1
..NITZSCHIACEAE		
....HANTZSCHIA		0
...SURIRELLACEAE		
....SURIRELLA	11	1
CYANOPHYTA		
.CYANOPHYCEAE		
..HORMOGONALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	320	16

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA

LOCATION.--Lat 29°16'33", long 89°21'10", T.21 S., R.31 E., Plaquemines Parish, 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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)
OCT												
11...	1530	398	7.8	24.0	10	80	7.2	36	1.0	1400	1100	130
NOV												
10...	1430	430	7.7	17.0	0	55	8.8	20	1.4	3600	550	170
DEC												
05...	1430	330	8.0	13.0	15	35	8.7	37	2.3	8800	1500	130
JAN												
19...	0915	395	7.6	4.0	10	50	12.0	27	2.5	4000	K1600	170
FEB												
01...	0915	301	7.9	3.5	15	70	12.0	20	3.5	6600	K830	130
MAR												
09...	1400	377	7.6	5.5	10	40	11.9	12	2.6	3600	K1600	140
APR												
20...	1700	324	7.5	17.0	15	55	--	25	--	2800	K1400	130
MAY												
22...	1130	389	8.0	19.0	15	50	7.1	29	1.1	800	480	140
JUN												
08...	1715	375	7.4	25.0	30	70	6.5	23	1.5	2300	300	150
JUL												
10...	1230	504	7.9	30.0	5	15	6.4	8	.6	6200	K1200	180
AUG												
17...	1600	439	7.3	31.5	15	70	6.6	30	.6	48000	2200	160
SEP												
11...	1400	571	7.9	29.5	15	9	7.9	20	1.7	2000	120	170

DATE	HARDNESS, NONCARBONATE, DIS. (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)	ALKALINITY, TOTAL (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SETTLEABLE MATTER (ML/L/ HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT												
11...	40	36	10	110	0	90	48	31	158	<1.0	1.1	.01
NOV												
10...	53	45	14	143	0	117	55	28	98	<1.0	--	--
DEC												
05...	38	36	9.9	113	0	93	38	22	296	<1.0	1.4	.02
JAN												
19...	63	48	13	131	0	107	45	24	94	<1.0	2.0	.05
FEB												
01...	46	35	9.2	103	0	84	37	18	162	<1.0	1.2	.02
MAR												
09...	44	39	11	120	0	98	45	32	77	<1.0	1.1	.02
APR												
20...	43	37	10	111	0	91	40	19	217	<1.0	1.9	.05
MAY												
22...	47	35	12	110	0	90	42	42	314	<1.0	1.5	.01
JUN												
08...	47	41	12	128	0	105	48	22	224	<1.0	1.8	.03
JUL												
10...	59	47	14	147	0	121	61	44	34	<1.0	.92	.01
AUG												
17...	42	45	12	146	0	120	56	23	82	<1.0	1.8	.05
SEP												
11...	52	45	14	144	0	120	70	61	10	<1.0	.77	.01

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

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

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	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)
OCT												
11...	1.1	.65	.36	2	0	2	10	0	10	40	37	3
NOV												
10...	--	--	.24	2	0	2	0	0	0	0	0	0
DEC												
05...	1.4	.72	.38	3	2	1	0	0	0	0	0	0
JAN												
19...	2.0	.51	.21	2	1	1	0	0	0	1	1	0
FEB												
01...	1.2	.47	.35	2	1	1	10	10	0	1	1	0
MAR												
09...	1.1	.40	.31	2	1	1	0	0	0	1	0	1
APR												
20...	1.9	.65	.07	3	2	1	0	0	0	5	2	3
MAY												
22...	1.5	.58	.36	2	1	1	0	0	0	0	0	0
JUN												
08...	1.8	.46	.20	4	1	3	0	0	0	4	3	1
JUL												
10...	.93	.49	.11	3	1	2	10	10	0	2	0	2
AUG												
17...	1.8	.59	.36	4	2	2	0	0	0	2	1	1
SEP												
11...	.78	.99	.13	2	0	2	0	0	0	1	1	0

DATE	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)	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)
OCT												
11...	25	0	20	13	7	20	<100	<100	0	.0	.0	.0
NOV												
10...	8	0	13	0	13	180	--	--	22	.0	.0	.0
DEC												
05...	0	0	19	6	13	50	9	8	1	.0	.0	.0
JAN												
19...	10	0	11	8	3	20	7	5	2	.0	.0	.0
FEB												
01...	10	0	9	5	4	40	8	8	0	.2	.2	.0
MAR												
09...	0	0	24	17	7	10	6	2	4	.0	.0	.0
APR												
20...	0	0	16	1	15	30	8	4	4	.0	.0	.0
MAY												
22...	15	0	10	7	3	40	6	6	0	.0	.0	.0
JUN												
08...	10	0	25	20	5	30	13	12	1	.0	.0	.0
JUL												
10...	10	0	8	0	8	30	9	5	4	.1	.1	.0
AUG												
17...	10	0	20	10	10	20	11	11	0	.0	.0	.0
SEP												
11...	10	0	5	0	5	90	7	7	0	.0	.0	.0

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

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	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)
OCT												
11...	<50	<48	2	0	0	0	2.7	40	0	40	5.7	.00
NOV												
10...	11	9	2	0	0	0	.2	40	0	40	5.3	.00
DEC												
05...	17	16	1	0	0	0	.6	40	20	20	7.0	.00
JAN												
19...	11	8	3	0	0	0	--	30	10	20	4.8	.00
FEB												
01...	15	12	3	2	2	0	1.0	30	10	20	6.2	.00
MAR												
09...	9	5	4	0	0	0	1.0	20	10	10	5.1	.00
APR												
20...	6	0	6	0	0	0	1.0	30	0	30	6.8	.00
MAY												
22...	4	4	0	0	0	0	1.0	20	10	10	8.2	.00
JUN												
08...	11	9	2	1	0	1	15	40	30	10	6.3	.00
JUL												
10...	7	2	5	1	0	1	.0	20	0	20	3.7	.00
AUG												
17...	10	6	4	1	1	0	.0	30	10	20	8.2	.00
SEP												
11...	5	4	1	0	0	0	.7	20	10	10	5.5	.00

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT		
11...	2	0
NOV		
10...	1	0
DEC		
05...	2	0
JAN		
19...	2	0
FEB		
01...	4	0
MAR		
09...	1	0
APR		
20...	3	0
MAY		
22...	1	0
JUN		
08...	2	0
JUL		
10...	2	0
AUG		
17...	3	0
SEP		
11...	1	--

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

291230089014000 NORTH PASS (AT MOUTH) OF MISSISSIPPI RIVER NEAR PILOTTOWN, LA (CE 01900)

LOCATION.--Lat 29°12'30", long 89°01'40", Plaquemines Parish, Hydrologic Unit 08090100, 14 mi (22.5 km) east of Pilottown.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
OCT												
28...	1140	840	8.1	0	40	7.6	26	.5	--	--	200	86
NOV												
16...	1045	555	8.0	40	75	9.7	57	2.6	K8900	K200	160	55
DEC												
15...	1325	327	7.4	15	15	9.7	43	1.7	5600	K650	120	31

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
28...	44	21	--	--	--	--	139	0	114	1.8	71	150
NOV												
16...	39	16	--	--	--	--	128	0	105	2.0	52	69
DEC												
15...	32	9.2	18	24	.7	2.9	106	0	87	6.8	37	22

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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												
28...	70	<1.0	1.5	.01	1.5	.51	.26	2	0	2	0	0
NOV												
16...	268	<1.0	1.3	.01	1.3	.56	.40	3	1	2	0	0
DEC												
15...	8	<1.0	1.2	.03	1.2	1.1	.37	3	1	2	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)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
OCT												
28...	0	<10	<10	0	30	0	<10	<6	4	40	<100	<100
NOV												
16...	0	0	0	0	0	0	22	21	1	50	9	8
DEC												
15...	0	0	0	0	0	0	11	10	1	40	10	10

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

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

291230089014000 NORTH PASS (AT MOUTH) OF MISSISSIPPI RIVER NEAR PILOTTOWN, LA (CE 01900)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 28...	0	.0	.0	.0	<50	<50	0	0	0	0	--
NOV 16...	1	.0	.0	.0	16	14	2	1	1	0	.0
DEC 15...	0	.0	.0	.0	18	17	1	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 (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 28...	20	10	10	6.1	.00	2	0	.0	.00	.000	.0	.000
NOV 16...	40	20	20	6.2	.00	1	0	.0	.00	.002	.0	.000
DEC 15...	50	50	0	6.7	.00	7	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
OCT 28...	.000	.000	.01	.000	.000	.000	.00	.000	.002	.001	.00	.00
NOV 16...	.000	.000	.01	.004	.000	.002	.00	.000	.000	.002	.00	.00
DEC 15...	.000	.000	.01	.003	.000	.001	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 28...	.00	.00	.00	0.0	.00	.00	.00	.01	.00	1.90	.000
NOV 16...	.00	.00	.00	0.0	.00	.00	.01	.01	.01	2.93	.000
DEC 15...	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000

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

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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 28...	1155	1870	8.1	0	30	7.7	34	.6	--	--	200	86
NOV 16...	1100	569	8.0	20	70	9.4	52	2.0	9100	1300	160	54
DEC 15...	1340	327	7.5	20	70	9.8	17	1.8	5200	550	118	30
JAN 16...	1200	779	8.0	15	40	11.7	44	2.1	K1700	K340	180	78
FEB 15...	1040	471	7.6	15	70	12.0	14	3.8	K3000	K1600	130	57
MAR 15...	1140	2670	7.8	10	30	10.6	49	1.3	K3200	660	--	--
APR 18...	1145	459	7.8	15	20	9.2	23	3.4	K1200	K360	170	88
MAY 22...	1050	399	8.0	10	60	7.0	24	.6	5400	K40	170	80
JUN 19...	1150	2110	8.0	15	20	7.0	29	.3	K2400	260	380	270
JUL 13...	1145	2840	8.1	5	15	6.9	19	1.0	420	350	420	320
AUG 29...	1225	3660	8.0	5	20	7.9	34	1.7	440	K260	510	390
SEP 11...	1120	5050	8.0	10	9	7.3	84	.5	8800	420	630	510

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 28...	9.9	43	--	--	--	--	139	0	114	1.8	120	450
NOV 16...	39	15	--	--	--	--	129	0	106	2.1	48	81
DEC 15...	34	8.0	17	23	.7	3.0	107	0	88	5.4	37	22
JAN 16...	41	20	81	48	2.6	5.3	124	0	102	2.0	63	150
FEB 15...	32	11	31	34	1.2	3.0	89	0	73	3.6	43	56
MAR 15...	--	--	--	--	--	--	119	0	98	3.0	--	--
APR 18...	37	18	80	50	2.7	6.3	96	0	79	2.4	53	150
MAY 22...	39	18	77	48	2.6	5.8	112	0	92	1.8	54	130
JUN 19...	53	59	350	66	7.9	16	134	0	110	2.1	170	610
JUL 13...	62	65	440	68	9.3	20	129	0	110	1.6	170	810
AUG 29...	66	84	580	70	11	28	142	0	120	2.3	190	1100
SEP 11...	70	110	800	72	14	34	138	0	110	2.2	260	1500

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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 28...	50	<1.0	1.5	.01	1.5	.51	.20	2	0	2	10	0
NOV 16...	313	<1.0	1.4	.01	1.4	.63	.43	3	1	2	0	0
DEC 15...	14	<1.0	1.2	.03	1.2	.61	.25	2	1	1	0	0
JAN 16...	96	<1.0	2.2	.04	2.2	.55	.21	2	1	1	0	0
FEB 15...	156	<1.0	1.1	.03	1.1	.37	.29	3	2	1	0	0
MAR 15...	36	<1.0	.99	.01	1.0	.50	.26	1	1	0	0	0
APR 18...	94	<1.0	2.0	.02	2.0	.55	.23	3	2	1	0	0
MAY 22...	100	<1.0	1.4	.01	1.4	.75	.16	2	1	1	0	0
JUN 19...	23	<1.0	1.7	.04	1.7	.66	.12	2	1	1	0	0
JUL 13...	14	<1.0	1.1	.01	1.1	.47	.21	2	1	1	0	0
AUG 29...	28	<1.0	1.5	.01	1.5	.56	.19	2	0	2	0	0
SEP 11...	2	<1.0	.76	.03	.79	.71	.16	2	0	2	10	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)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
OCT 28...	10	<10	<10	0	15	0	<10	<6	4	10	<100	<100
NOV 16...	0	0	0	0	4	0	12	11	1	50	9	8
DEC 15...	0	0	0	0	0	0	14	13	1	160	8	8
JAN 16...	0	0	0	0	20	0	7	5	2	20	4	4
FEB 15...	0	0	0	0	10	0	13	10	3	20	7	7
MAR 15...	0	1	0	1	0	0	5	3	2	--	4	1
APR 18...	0	0	0	0	0	0	34	28	6	30	8	7
MAY 22...	0	0	0	0	10	0	9	6	3	40	5	5
JUN 19...	0	1	0	1	0	0	4	2	2	10	4	4
JUL 13...	0	2	1	1	0	0	6	3	3	10	4	1
AUG 29...	0	0	0	0	0	0	6	4	2	20	0	0
SEP 11...	10	0	0	0	10	0	4	0	4	20	4	4

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 28...	0	.0	.0	.0	<50	<49	1	0	0	0	--
NOV 16...	1	.0	.0	.0	19	18	1	1	0	1	.4
DEC 15...	0	.0	.0	.0	14	13	1	0	0	0	.5
JAN 16...	0	.0	.0	.0	9	7	2	0	0	0	--
FEB 15...	0	.5	.5	.0	11	11	0	0	0	0	--
MAR 15...	3	.0	.0	.0	2	2	0	1	1	0	--
APR 18...	1	.0	.0	.0	9	8	1	0	0	0	--
MAY 22...	0	.0	.0	.0	7	7	0	0	0	0	1.0
JUN 19...	0	.3	.3	.0	4	3	1	0	0	0	--
JUL 13...	3	.0	.0	.0	7	4	3	0	0	0	--
AUG 29...	0	.0	.0	.0	4	4	0	1	0	1	--
SEP 11...	0	.0	.0	.0	3	3	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 (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 28...	10	0	10	4.8	.00	4	0	.0	.00	.000	.0	.000
NOV 16...	40	20	20	4.1	.00	2	0	.0	.00	.002	.0	.000
DEC 15...	30	30	0	5.6	.00	4	--	.0	.00	.000	.0	.000
JAN 16...	20	10	10	3.8	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	40	40	0	4.8	.00	0	0	.0	.00	.000	.0	.000
MAR 15...	10	0	10	3.6	.00	2	0	.0	.00	.000	.0	.000
APR 18...	30	20	10	6.7	.00	5	0	.0	.00	.000	.0	.000
MAY 22...	20	10	10	6.1	.00	3	0	.0	.00	.000	.0	.000
JUN 19...	20	10	10	4.3	.00	4	0	.0	.00	.000	.0	.000
JUL 13...	20	10	10	4.1	.00	2	0	.0	.00	.000	.0	.000
AUG 29...	20	10	10	4.5	.00	3	0	.0	.00	.000	.0	.000
SEP 11...	10	10	0	4.5	.00	0	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 28...	.000	.000	.03	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 16...	.000	.000	.01	.003	.000	.002	.00	.000	.001	.001	.00	.00
DEC 15...	.000	.002	.01	.003	.000	.001	.00	.000	.001	.000	.00	.00
JAN 16...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.006	.09	.004	.000	.000	.00	.000	.000	.000	.00	.00
MAR 15...	.000	.000	.02	.002	.000	.000	.00	.000	.000	.000	.00	.00
APR 18...	.000	.000	.01	.005	.000	.001	.00	.000	.002	.000	.00	.00
MAY 22...	.000	.006	.01	.005	.000	.002	.00	.000	.001	.000	.00	.00
JUN 19...	.000	.000	.02	.005	.000	.002	.00	.000	.002	.000	.00	.00
JUL 13...	.000	.000	.01	.003	.000	.000	.00	.000	.001	.000	.00	.00
AUG 29...	.000	.000	.03	.005	--	.002	.00	.000	.002	.002	.00	.00
SEP 11...	.000	.000	.01	.003	--	.002	.00	.000	.001	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 28...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	1.50	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.01	2.30	.000
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.04	.02	.00	.000	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	1.05	.000
MAR 15...	.01	.00	.00	.00	0.0	.00	.00	.10	.05	.00	3.17	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	1.68	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	2.59	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	4.08	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	13.1	.000
AUG 29...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	5.50	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	3.84	.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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
OCT												
28...	1210	4170	8.1	10	25	7.6	59	.6	--	--	500	390
NOV												
16...	1115	3060	8.0	20	55	9.6	75	2.4	6600	640	390	280
DEC												
15...	1347	383	7.5	2	80	9.8	16	2.0	7400	K500	120	31
JAN												
16...	1215	1260	8.0	20	50	11.6	56	2.0	K2300	--	220	120
FEB												
15...	1105	937	7.6	10	70	12.2	22	3.5	1400	--	170	96
MAR												
15...	1155	2670	7.8	15	25	10.4	43	1.2	K3200	180	370	270
APR												
18...	1200	443	8.0	15	85	9.0	29	3.1	980	K280	140	54
MAY												
22...	1110	392	7.9	10	65	7.0	18	1.1	960	K320	140	47
JUN												
19...	1200	959	7.7	15	30	7.4	38	.9	4000	420	200	93
JUL												
13...	1200	3270	8.1	10	10	7.1	27	.8	660	340	460	320
AUG												
29...	1250	6950	8.1	10	10	7.2	110	1.1	460	K64	790	670
SEP												
11...	1145	5620	7.9	10	6	7.4	85	.3	2400	480	680	560

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
28...	62	83	--	--	--	--	133	0	109	1.7	190	1100
NOV												
16...	54	63	--	--	--	--	131	0	107	2.1	140	800
DEC												
15...	32	10	26	31	1.0	3.4	108	0	89	5.5	39	36
JAN												
16...	45	27	150	58	4.4	7.8	124	0	102	2.0	74	260
FEB												
15...	36	20	110	57	3.6	6.0	90	0	74	3.6	61	190
MAR												
15...	48	61	370	66	8.4	33	120	0	98	3.0	140	660
APR												
18...	36	11	32	33	1.2	3.8	105	0	86	1.7	38	52
MAY												
22...	37	11	24	27	.9	3.2	111	0	91	2.2	48	39
JUN												
19...	45	22	100	51	3.1	6.5	134	0	110	4.3	66	190
JUL												
13...	64	72	470	68	9.6	22	168	0	140	2.1	170	860
AUG												
29...	86	140	1200	75	19	47	144	0	118	1.8	330	2100
SEP												
11...	74	120	920	73	15	39	139	0	110	2.8	280	1700

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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 28...	36	<1.0	1.4	.01	1.4	.50	.19	2	0	2	10	10
NOV 16...	95	<1.0	1.2	.01	1.2	.42	.28	2	0	2	0	0
DEC 15...	53	<1.0	1.2	.02	1.2	--	.33	3	2	1	0	0
JAN 16...	99	<1.0	2.2	.03	2.2	.71	.22	2	1	1	0	0
FEB 15...	138	<1.0	1.1	.02	1.1	.37	.28	2	1	1	0	0
MAR 15...	31	<1.0	.99	.01	1.0	.67	.26	1	0	1	0	0
APR 18...	122	<1.0	2.0	.03	2.0	.82	.23	2	1	1	0	0
MAY 22...	88	<1.0	1.5	.03	1.5	.40	.17	2	1	1	0	0
JUN 19...	11	<1.0	1.8	.03	1.8	.68	.13	2	1	1	5	5
JUL 13...	10	<1.0	1.1	.01	1.1	.53	.22	3	0	3	0	0
AUG 29...	28	<1.0	1.4	.01	1.4	.57	.16	2	0	2	0	0
SEP 11...	1	<1.0	.76	.03	.79	.62	.15	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT 28...	0	<10	<10	0	5	0	<10	<5	5	10	<100	<100
NOV 16...	0	0	0	0	8	0	13	12	1	50	6	6
DEC 15...	0	0	0	0	0	0	11	9	2	30	9	8
JAN 16...	0	0	0	0	20	0	7	4	3	10	4	4
FEB 15...	0	0	0	0	20	0	13	10	3	20	8	8
MAR 15...	0	0	0	0	0	0	3	1	2	90	5	0
APR 18...	0	0	0	0	0	0	11	6	5	30	7	7
MAY 22...	0	0	0	0	10	0	10	7	3	10	5	5
JUN 19...	0	0	0	0	0	0	7	4	3	10	3	3
JUL 13...	0	2	1	1	0	0	5	2	3	10	2	0
AUG 29...	0	1	1	0	10	0	7	4	3	10	2	2
SEP 11...	0	0	0	0	20	0	4	0	4	10	4	4

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 28...	0	.0	.0	.0	<50	<50	0	0	0	0	--
NOV 16...	0	.0	.0	.0	11	9	2	1	0	1	--
DEC 15...	1	.0	.0	.0	14	11	3	0	0	0	.6
JAN 16...	0	.0	.0	.0	9	7	2	0	0	0	--
FEB 15...	0	.3	.3	.0	5	5	0	0	0	0	--
MAR 15...	5	.0	.0	.0	0	0	0	1	0	1	--
APR 18...	0	.2	.0	.2	10	10	0	0	0	0	.0
MAY 22...	0	.0	.0	.0	12	12	0	0	0	0	1.0
JUN 19...	0	.0	.0	.0	5	3	2	0	0	0	--
JUL 13...	2	.0	.0	.0	7	4	3	1	0	1	--
AUG 29...	0	.0	.0	.0	3	3	0	1	0	1	--
SEP 11...	0	.1	.0	.1	3	3	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 (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 28...	20	0	20	5.5	.00	4	0	.0	.00	.000	.0	.000
NOV 16...	20	10	10	5.1	.00	1	0	.0	.00	.001	.0	.000
DEC 15...	40	30	10	5.6	.00	3	0	.0	.00	.000	.0	.000
JAN 16...	20	10	10	2.2	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	30	20	10	4.7	.00	0	0	.0	.00	.000	.0	.000
MAR 15...	10	0	10	3.3	.00	1	0	.0	.00	.000	.0	.000
APR 18...	30	20	10	7.6	.00	3	0	.0	.00	.000	.0	.000
MAY 22...	30	20	10	5.2	.00	3	0	.0	.00	.000	.0	.000
JUN 19...	20	10	10	4.0	.00	3	0	.0	.00	.000	.0	.000
JUL 13...	30	20	10	5.0	.00	2	0	.0	.00	.000	.0	.000
AUG 29...	30	10	20	4.8	.00	2	0	.0	.00	.000	.0	.000
SEP 11...	10	10	0	4.1	.00	0	0	.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 1977 TO SEPTEMBER 1978

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 28...	.000	.000	.03	.004	.000	.001	.00	.000	.001	.003	.00	.00
NOV 16...	.000	.000	.01	.003	.000	.001	.00	.000	.001	.002	.00	.00
DEC 15...	.000	.000	.01	.003	.000	.001	.00	.000	.000	.000	.00	.00
JAN 16...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.005	.03	.003	.000	.000	.00	.000	.000	.000	.01	.00
MAR 15...	.000	.000	.02	.003	.000	.000	.00	.000	.000	.000	.00	.00
APR 18...	.000	.000	.01	.004	.000	.000	.00	.000	.002	.000	.00	.00
MAY 22...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.04	.00
JUN 19...	.000	.000	.02	.005	.000	.003	.00	.000	.002	.000	.00	.00
JUL 13...	.000	.003	.02	.003	.002	.000	.00	.000	.001	.000	.00	.00
AUG 29...	.000	.000	.02	.005	--	.002	.00	.000	.001	.000	.00	.00
SEP 11...	.000	.000	.01	.004	--	.002	.00	.000	.001	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 28...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	1.10	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.01	5.30	3.60
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	1.03	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.09	.05	.00	1.92	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.01	1.81	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.01	.03	.00	2.67	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	4.28	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	13.4	.000
AUG 29...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	3.87	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	5.42	.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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 28...	0950	7140	7.8	0	5	8.3	97	.8	--	--	760	710
NOV 16...	0840	6900	7.7	10	7	10.8	190	2.4	K16	<5	760	720
DEC 15...	1205	6810	7.1	0	5	11.2	270	1.7	K36	K1	710	670
JAN 16...	1000	5750	7.6	20	20	11.6	180	1.4	K40	K8	600	560
FEB 15...	0845	3060	7.2	20	30	11.4	38	2.4	80	<5	300	270
MAR 15...	0950	3970	8.1	20	15	11.0	64	2.6	K12	8	390	350
APR 18...	0845	4140	7.2	15	7	10.8	66	3.4	K300	K44	420	380
MAY 22...	0915	2430	7.4	20	10	8.6	34	1.6	K12	<5	240	210
JUN 19...	1030	2150	7.4	30	10	7.7	75	.6	<5	<5	210	180
JUL 13...	0900	5400	7.6	5	5	7.2	55	1.2	K1600	K1400	560	520
AUG 29...	1000	4920	7.4	15	4	7.9	50	1.1	700	K360	490	450
SEP 11...	1015	3540	7.2	5	5	8.2	49	1.1	350	<5	340	310

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 28...	57	150	--	--	--	--	56	0	46	1.4	330	2100
NOV 16...	55	150	--	--	--	--	46	0	38	1.5	310	2100
DEC 15...	53	140	1100	76	18	46	48	0	39	6.1	290	2100
JAN 16...	44	120	930	76	16	39	47	0	39	1.9	250	1600
FEB 15...	27	57	470	76	12	20	32	0	26	3.2	110	830
MAR 15...	34	73	600	74	13	49	43	0	35	.5	150	1100
APR 18...	36	81	670	76	14	28	49	0	40	4.9	180	1200
MAY 22...	21	45	370	76	10	17	33	0	27	2.1	100	670
JUN 19...	18	41	330	75	9.8	16	32	0	26	2.0	89	600
JUL 13...	44	110	890	76	16	39	53	0	43	2.1	240	1600
AUG 29...	41	95	860	78	17	35	56	0	46	3.6	220	1500
SEP 11...	28	65	540	76	13	26	28	0	23	2.8	150	1000

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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												
28...	--	<1.0	.36	.02	.38	.63	.09	2	1	1	20	20
NOV												
16...	4	<1.0	.05	.00	.05	.37	.04	2	0	2	0	0
DEC												
15...	17	<1.0	.09	.01	.10	.54	.11	1	0	1	0	0
JAN												
16...	66	<1.0	.00	.00	.00	.46	.06	1	1	0	0	0
FEB												
15...	28	<1.0	.19	.01	.20	.51	.06	1	0	1	0	0
MAR												
15...	23	<1.0	.01	.01	.02	.58	.12	0	0	0	0	0
APR												
18...	11	<1.0	.10	.01	.11	.61	.11	2	1	1	0	0
MAY												
22...	17	<1.0	.01	.00	.01	.41	.03	1	0	1	5	0
JUN												
19...	12	<1.0	.17	.04	.21	1.1	.04	1	0	1	5	5
JUL												
13...	1	<1.0	.01	.04	.05	.47	.06	3	0	3	10	10
AUG												
29...	8	<1.0	.14	.01	.15	1.5	.20	2	0	2	10	10
SEP												
11...	0	<1.0	.00	.01	.01	2.0	.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											
28...	0	10	7	3	20	0	<10	<6	4	20	<100
NOV											
16...	0	0	0	0	12	0	8	7	1	20	3
DEC											
15...	0	1	0	1	0	0	5	4	1	30	3
JAN											
16...	0	0	0	0	10	0	3	1	2	30	1
FEB											
15...	0	0	0	0	0	0	5	2	3	60	1
MAR											
15...	0	1	0	1	0	0	13	11	2	20	7
APR											
18...	0	1	0	1	0	0	5	1	4	10	6
MAY											
22...	5	0	0	0	0	0	6	3	3	30	3
JUN											
19...	0	0	0	0	0	0	4	1	3	20	2
JUL											
13...	0	2	1	1	0	0	5	1	4	20	3
AUG											
29...	0	0	0	0	10	0	4	1	3	130	2
SEP											
11...	0	0	0	0	10	0	5	0	5	10	2

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
OCT 28...	<100	0	.0	.0	.0	<50	<46	4	0	0	0
NOV 16...	3	0	.0	.0	.0	4	4	0	0	0	0
DEC 15...	3	0	.0	.0	.0	3	2	1	0	0	0
JAN 16...	1	0	.0	.0	.0	7	5	2	0	0	0
FEB 15...	1	0	.2	.2	.0	15	15	0	0	0	0
MAR 15...	3	4	.0	.0	.0	11	10	1	0	0	0
APR 18...	5	1	.0	.0	.0	5	4	1	0	0	0
MAY 22...	3	0	.0	.0	.0	0	0	0	0	0	0
JUN 19...	2	0	.0	.0	.0	2	2	0	0	0	0
JUL 13...	0	3	.0	.0	.0	3	2	1	0	0	0
AUG 29...	2	0	.0	.0	.0	1	1	0	0	0	0
SEP 11...	2	0	.0	.0	.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 (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 28...	20	0	20	5.5	.00	2	0	.0	.00	.000	.0	.000
NOV 16...	20	0	20	6.8	.00	2	0	.0	.00	.002	.0	.000
DEC 15...	20	10	10	6.9	.00	3	0	.0	.00	.000	.0	.000
JAN 16...	20	10	10	6.8	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	10	0	10	8.4	.00	1	0	.0	.00	.000	.0	.000
MAR 15...	40	30	10	7.7	.00	2	0	.0	.00	.000	.0	.000
APR 18...	30	20	10	9.3	.00	0	0	.0	.00	.000	.0	.000
MAY 22...	10	0	10	8.0	.00	2	0	.0	.00	.000	.0	.000
JUN 19...	10	5	5	6.8	.00	2	0	.0	.00	.000	.0	.000
JUL 13...	20	0	20	6.5	.00	2	0	.0	.00	.000	.0	.000
AUG 29...	30	10	20	8.4	.00	2	0	.0	.00	.000	.0	.000
SEP 11...	10	10	0	6.3	.00	4	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC 15...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
FEB 15...	.000	.001	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAR 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR 18...	.000	.000	.02	.002	.000	.000	.00	.000	.000	.000	.00	.00
MAY 22...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.002	.00	.00
JUN 19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 13...	.000	.000	.04	.000	.000	.000	.00	.000	.000	.002	.00	.00
AUG 29...	.000	.000	.05	.002	.000	.000	.00	.000	.000	.004	.00	.00
SEP 11...	.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)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 28...	.00	.00	.00	.00	0.0	.00	.00	.04	.02	.00	5.90	.000
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.00	3.40	.000
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.02	.00	--	--
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.02	.02	.00	5.00	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	1.05	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	4.20	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	.00	20.7	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.05	.01	.00	16.4	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	7.29	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	10.7	.000
AUG 29...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	2.73	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	4.30	.000

300434089564000 LAKE PONTCHARTRAIN AT LITTLE WOODS, AT NEW ORLEANS, LA (CE 85650)

LOCATION.--Lat 30°04'34", long 89°56'40", T.11 S., R.12 E., Orleans Parish, Hydrologic Unit 08090202, at intersection of Paris Road and Haynes Boulevard, at New Orleans.

DRAINAGE AREA.--Indeterminate.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
CHLORIDE: Maximum observed, 5,300 mg/L Oct. 18, 1977; minimum daily, 390 mg/L Apr. 29, 1975.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	19.5	15.0									
2	---	20.0	15.5									
3	---	20.0	15.0									
4	---	---	15.0									
5	---	---	16.0									
6	---	18.5	16.0									
7	---	18.5	---									
8	---	18.5	15.0									
9	---	19.0	14.5									
10	---	14.5	---									
11	20.0	---	14.0									
12	19.0	---	14.0									
13	19.0	---	13.5									
14	18.0	14.0	14.0									
15	18.0	14.5	13.5									
16	18.0	15.0	14.0									
17	17.0	15.5	14.0									
18	18.0	15.5	---									
19	18.0	16.5	---									
20	18.0	15.5	---									
21	18.5	15.5	---									
22	18.5	15.0	---									
23	18.0	15.5	---									
24	18.5	15.5	---									
25	19.0	16.0	---									
26	19.0	15.5	---									
27	19.0	15.0	---									
28	18.5	14.5	---									
29	18.5	15.5	---									
30	18.5	15.5	---									
31	19.0	---	---									
MONTH	---	16.5	---									

300434089564000 LAKE PONTCHARTRAIN AT LITTLE WOODS, AT NEW ORLEANS, LA (CE 85650)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	3500	2300									
2	2300	3900	2400									
3	2000	3900	2500									
4	2000	---	2500									
5	1700	---	2500									
6	2100	3000	2700									
7	2000	2800	---									
8	2000	2800	2600									
9	2100	2800	2600									
10	2000	2900	---									
11	2000	---	2500									
12	2300	---	2600									
13	2600	---	2700									
14	2400	2900	2600									
15	2500	2900	2500									
16	2500	3200	2400									
17	2400	3200	2400									
18	2600	2900	---									
19	2700	2900	---									
20	2600	3300	---									
21	2700	2800	---									
22	2900	2700	---									
23	3000	2700	---									
24	2800	2800	---									
25	3400	2200	---									
26	3300	2800	---									
27	3300	2800	---									
28	3200	2700	---									
29	3100	2700	---									
30	3100	2600	---									
31	3400	---	---									
MONTH	2600	2900	---									

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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
28...	0825	9860	7.7	0	2	8.1	50	1.0	--	--	1100	1100
NOV												
16...	0740	9180	7.7	10	4	9.9	190	2.4	680	K5	740	690
DEC												
15...	1040	6840	7.1	5	6	10.8	290	1.6	150	K17	660	620
JAN												
16...	0820	3160	7.5	50	45	11.6	65	1.4	8600	400	340	300
FEB												
15...	0715	6610	7.5	30	25	11.3	140	2.9	5600	K360	670	620
MAR												
15...	0830	3190	7.4	20	35	10.3	62	1.7	4200	100	320	290
APR												
18...	0830	5920	7.4	15	10	10.8	30	3.6	K320	92	660	610
MAY												
22...	0730	4580	7.3	20	5	8.6	33	1.2	80	K2	470	440
JUN												
19...	0930	5230	7.3	10	5	7.8	110	1.0	160	K6	560	520
JUL												
13...	0830	5720	7.6	5	9	7.3	63	1.1	8000	--	610	570
AUG												
29...	0900	6300	7.4	10	2	7.9	71	1.8	400	K20	790	750
SEP												
11...	0845	8180	7.5	10	3	7.6	96	1.2	500	K27	770	750

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
28...	77	220	--	--	--	--	56	0	46	1.8	430	3000
NOV												
16...	15	170	--	--	--	--	60	0	49	1.9	400	3000
DEC												
15...	49	130	980	75	17	40	55	0	45	7.0	260	1700
JAN												
16...	31	64	500	75	12	21	47	0	39	2.4	140	900
FEB												
15...	53	130	1100	77	19	45	56	0	46	2.8	260	1900
MAR												
15...	34	58	480	74	12	40	42	0	34	2.7	120	850
APR												
18...	48	130	1000	76	17	39	53	0	43	3.4	260	1700
MAY												
22...	38	92	750	76	15	31	41	0	34	3.3	200	1300
JUN												
19...	41	110	850	75	16	39	47	0	39	3.8	210	1600
JUL												
13...	47	120	940	76	17	41	56	0	46	2.3	250	1700
AUG												
29...	120	120	1000	73	16	45	54	0	44	3.4	270	1900
SEP												
11...	62	150	1500	79	23	58	25	0	21	1.3	350	2500

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 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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 28...	2	<1.0	.04	.01	.05	.64	.05	0	0	0	10	0
NOV 16...	5	<1.0	.11	.01	.12	.63	.09	1	0	1	0	0
DEC 15...	49	<1.0	.30	.02	.32	.70	.15	1	0	1	0	0
JAN 16...	53	<1.0	.29	.02	.31	.65	.17	1	0	1	0	0
FEB 15...	62	<1.0	.33	.02	.35	.77	.13	2	1	1	0	0
MAR 15...	33	<1.0	.24	.01	.25	2.1	.15	1	1	0	0	0
APR 18...	2	<1.0	.05	.01	.06	.95	.07	2	1	1	0	0
MAY 22...	11	<1.0	.01	.00	.01	.63	.04	1	0	1	0	0
JUN 19...	6	<1.0	.03	.02	.05	.66	.06	1	0	1	10	5
JUL 13...	6	<1.0	.02	.01	.03	1.0	.05	3	2	1	10	0
AUG 29...	3	<1.0	.07	.01	.08	.68	.11	3	0	3	0	0
SEP 11...	1	<1.0	.02	.01	.03	.88	.04	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)	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 28...	10	10	6	4	15	0	10	1	9	30	<100
NOV 16...	0	1	0	1	4	0	3	2	1	30	2
DEC 15...	0	4	4	0	20	0	5	1	4	70	2
JAN 16...	0	6	0	6	10	0	6	0	6	40	3
FEB 15...	0	1	0	1	20	0	4	1	3	30	0
MAR 15...	0	1	0	1	10	0	5	0	5	30	5
APR 18...	0	3	0	3	0	0	8	0	8	20	5
MAY 22...	0	1	1	0	0	0	5	1	4	20	0
JUN 19...	5	0	0	0	0	0	5	1	4	30	2
JUL 13...	10	3	2	1	0	0	6	3	3	20	7
AUG 29...	0	3	0	3	0	0	5	0	5	40	1
SEP 11...	0	1	0	1	20	0	8	0	8	50	8

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
OCT 28...	<100	0	.0	.0	.0	<50	<50	0	0	0	0
NOV 16...	2	0	.0	.0	.0	3	3	0	0	0	0
DEC 15...	1	1	.1	.1	.0	6	2	4	0	0	0
JAN 16...	3	0	.0	.0	.0	5	2	3	0	0	0
FEB 15...	0	0	.0	.0	.0	2	2	0	2	0	2
MAR 15...	2	3	.0	.0	.0	4	1	3	0	0	0
APR 18...	5	0	.0	.0	.0	4	0	4	0	0	0
MAY 22...	0	0	.0	.0	.0	0	0	0	0	0	0
JUN 19...	0	2	.1	.1	.0	3	3	0	0	0	0
JUL 13...	4	3	.0	.0	.0	2	2	0	0	0	0
AUG 29...	1	0	.0	.0	.0	1	0	1	0	0	0
SEP 11...	8	0	.0	.0	.0	3	3	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 (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 28...	20	0	20	5.6	.00	1	0	.0	.00	.00	.0	.00
NOV 16...	40	20	20	6.0	.00	2	0	.0	.00	.00	.0	.00
DEC 15...	20	10	10	13	.00	2	0	--	--	--	--	--
JAN 16...	20	10	10	8.4	.00	0	0	.0	.00	.00	.0	.00
FEB 15...	20	0	20	7.4	.00	2	0	.0	.00	.00	.0	.00
MAR 15...	20	10	10	7.0	.00	2	0	.0	.00	.00	.0	.00
APR 18...	20	0	20	7.9	.00	1	0	.0	.00	.00	.0	.00
MAY 22...	20	0	20	9.7	.00	2	0	.0	.00	.00	.0	.00
JUN 19...	20	0	20	5.6	.00	2	0	.0	.00	.00	.0	.00
JUL 13...	20	0	20	6.3	.00	2	0	.0	.00	.00	.0	.00
AUG 29...	20	0	20	7.0	.00	2	0	.0	.00	.00	.0	.00
SEP 11...	20	10	10	8.6	.00	3	0	.0	.00	.00	.0	.00

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 28...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NOV 16...	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC 15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 16...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.04	.00
FEB 15...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR 15...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR 18...	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY 22...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN 19...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 13...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUG 29...	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP 11...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 28...	.00	.00	.00	.00	0	.00	.00	.04	.02	.00	14.4	.000
NOV 16...	.00	.00	.00	.00	0	.00	.00	.03	.01	.00	7.87	.000
DEC 15...	--	--	--	.00	--	--	--	.05	.00	.00	.000	.000
JAN 16...	.00	.00	.00	.00	0	.00	.00	.03	.02	.00	2.50	.000
FEB 15...	.00	.00	.00	.00	0	.00	.00	.04	.01	.00	4.20	.000
MAR 15...	.00	.00	.00	.00	0	.00	.00	.03	.00	.00	5.75	.000
APR 18...	.00	.00	.00	.00	0	.00	.00	.03	.01	.00	17.8	.000
MAY 22...	.00	.00	.00	.00	0	.00	.00	--	--	--	6.87	.000
JUN 19...	.00	.00	.00	.00	0	.00	.00	.05	.01	.00	9.54	.000
JUL 13...	.00	.00	.00	.00	0	.00	.00	.04	.00	.01	11.8	.000
AUG 29...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	6.18	.000
SEP 11...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	5.20	.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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 28...	1050	14400	7.9	0	3	7.1	260	2.5	--	--	1600	1500
NOV 16...	0945	16900	8.0	20	4	10.4	410	3.8	200	14	2000	1900
DEC 15...	1240	10800	7.2	10	6	9.5	380	1.8	200	88	1200	1100
JAN 23...	1005	10600	7.5	20	10	--	44	--	1500	120	1200	1100
FEB 16...	0845	9350	7.4	30	15	10.8	170	2.4	K40	K8	960	910
MAR 16...	0830	10700	7.5	15	10	8.5	100	1.1	1400	96	2300	2300
APR 19...	0900	10700	7.4	10	8	7.7	22	1.0	400	420	1200	1200
MAY 23...	0820	13500	7.7	20	3	7.3	200	3.0	5800	1100	1500	1500
JUN 20...	0830	12100	7.7	20	10	7.5	160	1.2	K76	K36	1300	1200
JUL 14...	0810	20200	7.7	15	3	5.5	210	1.3	K500	K300	2400	2300
AUG 30...	0900	14400	7.4	10	1	6.3	250	2.2	19000	--	1600	1500
SEP 12...	0930	16900	7.6	10	3	6.6	210	1.0	2200	80	1800	1700

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 28...	110	330	--	--	--	--	81	0	66	1.6	630	4600
NOV 16...	130	400	--	--	--	--	84	0	69	1.3	780	6000
DEC 15...	85	230	1800	76	23	82	75	0	62	7.6	460	3300
JAN 23...	82	240	1800	75	23	74	72	0	59	3.6	480	3200
FEB 16...	72	190	1600	77	22	64	66	0	54	4.2	400	2800
MAR 16...	140	480	3400	75	31	130	79	0	65	4.3	830	6400
APR 19...	81	250	1800	75	22	80	68	0	56	4.3	480	3500
MAY 23...	100	310	2500	77	28	100	81	0	66	2.6	580	4300
JUN 20...	87	260	2200	77	27	96	70	0	57	2.2	510	3900
JUL 14...	150	480	3800	76	34	160	98	0	80	3.1	920	6900
AUG 30...	110	310	2600	77	29	110	76	0	62	4.8	630	4800
SEP 12...	130	350	3300	79	34	130	91	0	75	3.7	800	5500

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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 28...	8	<1.0	.08	.01	.09	.64	.07	0	0	0	10	10
NOV 16...	9	<1.0	.03	.01	.04	.59	.08	1	0	1	0	0
DEC 15...	24	<1.0	.24	.02	.26	.68	.08	1	0	1	0	0
JAN 23...	23	<1.0	.21	.01	.22	.43	.10	1	0	1	0	0
FEB 16...	41	<1.0	.27	.02	.29	.42	.09	1	0	1	10	0
MAR 16...	22	<1.0	.14	.01	.15	.64	.13	0	0	0	0	0
APR 19...	28	<1.0	.10	.01	.11	.94	.06	2	1	1	0	0
MAY 23...	15	<1.0	.06	.02	.08	.41	.06	1	1	0	5	0
JUN 20...	11	<1.0	.01	.01	.02	.49	.04	1	1	0	10	5
JUL 14...	13	<1.0	.02	.06	.08	.59	.06	3	0	3	10	0
AUG 30...	7	<1.0	.07	.10	.17	.67	.09	2	1	1	0	0
SEP 12...	0	<1.0	.15	.02	.17	.68	.09	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 28...	0	10	9	1	20	0	<10	<6	4	30	--
NOV 16...	0	0	0	0	12	0	1	1	0	30	1
DEC 15...	0	3	1	2	0	0	2	0	2	30	2
JAN 23...	0	8	0	8	10	0	6	4	2	30	3
FEB 16...	10	1	0	1	10	0	9	6	3	30	0
MAR 16...	0	1	0	1	0	0	3	0	3	10	5
APR 19...	0	2	0	2	0	0	13	2	11	20	3
MAY 23...	5	0	0	0	15	0	8	4	4	50	0
JUN 20...	5	1	0	1	0	0	8	6	2	20	2
JUL 14...	10	3	2	1	20	0	7	3	4	60	7
AUG 30...	0	1	0	1	20	0	7	0	7	20	0
SEP 12...	0	1	1	0	10	0	6	0	7	20	5

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
OCT 28...	--	0	.0	.0	.0	--	--	0	0	0	0
NOV 16...	0	1	.0	.0	.0	6	5	1	1	0	1
DEC 15...	2	0	.0	.0	.0	3	2	1	0	0	0
JAN 23...	2	1	.0	.0	.0	7	7	0	0	0	0
FEB 16...	0	0	.7	.7	.0	7	5	2	0	0	0
MAR 16...		3	.0	.0	.0	0	0	0	0	0	0
APR 19...	1	2	.0	.0	.0	5	3	2	0	0	0
MAY 23...	0	0	.0	.0	.0	0	0	0	0	0	0
JUN 20...	1	1	.1	.1	.0	3	3	0	0	0	0
JUL 14...	3	4	.1	.1	.0	6	4	2	0	0	0
AUG 30...	0	0	.0	.0	.0	0	0	1	0	0	0
SEP 12...	5	0	.0	.0	.0	3	3	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 (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 28...	30	10	20	6.3	.00	1	0	.0	.00	.000	.0	.000
NOV 16...	20	0	20	6.2	.00	0	1	.0	.00	.000	.0	.000
DEC 15...	20	10	10	8.0	.00	2	0	.0	.00	.000	.0	.000
JAN 23...	40	10	30	7.8	.00	3	0	.0	.00	.000	.0	.000
FEB 16...	20	0	20	7.4	.00	2	0	.0	.00	.000	.0	.000
MAR 16...	20	10	10	5.5	.00	1	0	.0	.00	.000	.0	.000
APR 19...	30	10	20	7.4	.00	2	0	.0	.00	.000	.0	.000
MAY 23...	20	0	20	7.2	.00	4	0	.0	.00	.000	.0	.000
JUN 20...	30	0	30	6.1	.00	2	0	.0	.00	.000	.0	.000
JUL 14...	40	0	40	5.2	.00	1	0	.0	.00	.000	.0	.000
AUG 30...	20	0	30	5.9	.00	2	0	.0	.00	.000	.0	.000
SEP 12...	30	0	30	6.4	.00	1	0	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 28...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.002	.00	.00
NOV 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
DEC 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
JAN 23...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.001	.03	.00
FEB 16...	.000	.000	.03	.002	.000	.000	.00	.000	.000	.001	.01	.00
MAR 16...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR 19...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY 23...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUN 20...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUL 14...	.000	.000	.02	.000	.002	.000	.00	.000	.000	.000	.00	.00
AUG 30...	.000	.000	.02	.001	--	.000	.00	.000	.000	.001	.00	.00
SEP 12...	.000	.000	.00	.001	--	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 28...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	12.8	2.90
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	16.2	4.30
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.02	.00	.000	.000
JAN 23...	.03	.00	.00	.00	0.0	.00	.00	.04	.01	.00	3.20	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	7.70	.000
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	3.66	.000
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	13.7	.000
MAY 23...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	26.7	1.03
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	9.27	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	7.70	.000
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.12	.01	.00	4.88	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	.05	.00	.00	.000	.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, 3.5°C Jan. 20, 1978.
CHLORIDE: Maximum daily, 8,100 mg/L Sep. 1, 1977; minimum daily, 390 mg/L May 3, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C Aug. 22, 23, 24; minimum daily, 3.5°C Jan. 20.
CHLORIDE: Maximum daily, 5,500 mg/L Oct. 6; minimum daily, 1,000 mg/L Mar. 17.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.5	21.0	16.0	11.0	6.0	13.0	19.5	23.0	28.0	24.5	28.0	27.0
2	29.0	21.0	15.5	10.0	6.0	13.0	20.5	24.0	28.5	29.0	29.0	28.0
3	24.0	19.0	17.0	10.0	---	13.5	20.5	21.5	27.5	29.5	29.0	27.0
4	21.0	18.5	18.0	9.0	5.5	10.5	21.0	20.5	26.5	29.0	29.0	27.0
5	21.5	18.5	21.0	10.0	6.5	9.5	21.5	21.0	26.5	29.5	29.0	27.0
6	23.0	18.5	16.5	11.0	5.5	10.0	22.0	22.0	27.0	28.5	28.0	28.0
7	23.5	18.5	13.0	12.0	5.5	12.0	22.0	23.0	28.0	28.5	28.0	28.0
8	23.5	20.0	13.0	13.0	4.5	13.0	23.5	23.5	26.5	28.5	29.0	28.0
9	23.5	20.0	14.5	8.0	4.5	10.5	22.0	24.0	26.5	29.0	26.0	28.0
10	21.0	16.0	8.5	7.0	4.5	9.5	24.0	22.0	26.5	29.5	27.0	27.0
11	22.0	15.0	7.0	7.0	5.5	11.0	23.5	23.5	27.0	29.5	27.0	27.0
12	---	15.0	9.0	7.0	6.0	13.0	20.0	24.0	28.0	29.5	27.0	28.0
13	18.0	14.0	10.5	8.5	10.0	14.5	19.0	24.0	28.0	29.5	28.0	28.0
14	18.0	13.5	13.0	5.5	7.0	15.5	19.0	21.0	27.0	29.0	27.0	28.0
15	18.5	15.0	11.0	4.5	7.0	16.0	20.0	22.0	26.5	29.0	27.0	28.0
16	17.0	15.5	12.0	5.5	8.5	15.5	20.5	24.0	28.0	28.5	29.0	27.0
17	16.5	17.0	13.5	7.0	9.5	13.0	22.0	24.0	28.5	29.0	29.0	28.0
18	18.0	16.5	13.0	5.0	10.0	13.5	23.5	23.5	28.0	29.5	29.0	29.0
19	18.0	16.0	13.5	5.0	7.0	15.0	22.0	24.0	27.0	29.5	30.0	28.0
20	18.5	16.5	14.5	3.5	7.0	16.0	19.5	25.0	26.5	29.5	29.0	28.5
21	18.5	18.5	10.0	4.0	9.0	16.5	19.5	25.5	27.0	29.0	28.0	27.5
22	18.0	18.0	10.0	4.5	7.0	16.5	21.5	26.0	26.5	28.5	30.0	28.5
23	21.0	18.5	10.0	5.5	7.0	18.5	22.0	26.5	26.0	28.0	30.0	28.5
24	20.5	18.5	10.5	7.0	8.5	19.5	21.5	26.5	25.0	28.0	30.0	28.5
25	21.0	18.0	11.5	8.0	---	18.5	22.0	26.5	29.0	28.0	29.0	27.5
26	20.5	15.5	9.0	5.5	11.0	15.5	19.5	26.5	29.0	28.0	29.0	27.0
27	18.0	15.5	9.0	---	11.0	14.5	18.5	27.0	29.5	26.0	29.0	27.5
28	20.0	16.5	7.0	6.0	13.0	15.0	20.0	28.5	29.5	28.0	29.0	27.0
29	20.0	18.5	9.0	4.5	---	15.5	21.0	28.0	29.5	28.0	27.0	24.5
30	20.5	18.5	10.0	5.5	---	16.0	21.0	28.0	28.5	27.0	27.0	24.5
31	21.0	---	10.0	---	---	17.0	---	27.0	---	27.0	27.0	---
MONTH	21.0	17.5	12.0	7.0	7.5	14.0	21.0	24.5	28.0	28.5	28.5	27.5
YEAR	MAX	30.0	MIN	3.5	MEAN	20.0						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3100	3900	2800	2900	1800	2000	2300	2700	2200	1900	1900	2100
2	3200	4300	2800	2600	1700	2200	2500	2700	2000	1900	2100	2200
3	4000	4000	2800	2500	---	1800	2500	2100	1800	1700	2100	2100
4	4900	3500	2700	2600	1500	1800	2400	2200	1800	1600	2300	2000
5	5100	3400	2700	2900	1700	1600	2400	2200	1900	1800	2800	1900
6	5500	3200	2700	2700	1600	1900	2400	2300	2000	1600	3100	2500
7	4900	3400	2700	2800	1700	1900	2000	2600	1800	1600	3100	3400
8	5100	3500	2800	1700	1400	2100	1900	2400	1900	2100	3600	3000
9	4300	3600	2800	2500	1500	1400	2100	2400	1800	2400	3700	3000
10	5200	3100	3200	2000	1500	1200	2600	2200	1800	2500	3100	2800
11	5000	3100	3300	2100	1600	1200	2500	2200	1800	2800	4000	2900
12	---	3200	3200	2300	1300	1300	2700	2200	1800	2500	2900	2800
13	2600	3700	3200	2100	1300	1400	3200	2200	1900	2300	2400	2800
14	3000	3900	2900	1900	1300	1700	2300	2100	2000	3100	2200	2600
15	3100	3800	2300	1900	1500	1500	2300	1900	2100	1500	2100	2400
16	3000	3700	2600	1900	1500	1500	1900	1700	2300	2300	2200	2200
17	3900	3700	2400	1900	1300	1000	2600	1700	2300	2700	2100	2200
18	3800	3500	1700	1900	1800	1100	2700	2300	1800	2400	2200	3100
19	3400	3500	2300	2100	1700	1300	2000	1800	2000	2400	2300	3600
20	3100	3100	2400	1800	1700	1500	2600	1800	2100	2100	2400	3900
21	4200	4000	2000	2000	1600	2000	2200	1800	2000	2200	2200	3800
22	4100	4100	2100	2000	1600	1700	2900	2000	2000	2900	2700	3600
23	3200	3900	2600	1900	1700	2000	3200	1900	1800	2900	3200	3500
24	2900	3400	2700	1800	2100	2100	2800	1800	1900	2800	3200	3200
25	3000	3100	2900	1700	2300	1900	2600	2000	1900	3400	3500	3200
26	3300	3000	3000	1600	2500	1400	2100	2000	2000	2400	3400	3400
27	2700	3100	3000	---	2200	1400	1900	1900	2000	2100	3600	3600
28	2700	3100	3700	1800	1900	2000	1800	2000	1800	2100	3300	3500
29	2800	3200	3300	1800	---	2300	2200	1800	2000	1900	3600	3500
30	3400	3200	2500	1800	---	2100	2600	2000	2300	1900	3400	3400
31	4500	---	2800	---	---	2200	---	2300	---	1900	2200	---
MONTH	3800	3500	2700	2100	1700	1700	2400	2100	2000	2200	2800	2900

YEAR MAX 5500 MIN 1000 MEAN 2500

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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN 23...	1020	8000	7.5	30	35	11.4	94	1.8	220	K16	900	850
FEB 16...	0910	8000	7.4	20	35	11.2	80	2.6	K60	K32	820	770
MAR 16...	0845	16400	7.5	15	15	8.8	150	2.1	560	K28	1900	1800
APR 19...	0915	14400	7.4	10	8	7.6	42	1.1	760	K300	1700	1600
MAY 23...	0830	13000	7.6	20	5	8.0	160	4.0	--	--	1500	1400
JUN 19...	1300	10400	7.8	15	4	7.6	150	1.2	K20	<5	1400	1300
JUL 13...	1300	15700	7.7	15	3	7.0	--	1.2	230	K5	1700	1700
AUG 29...	1345	22500	7.6	10	2	7.5	450	1.0	120	K5	2400	2400
SEP 11...	1230	18600	7.6	15	4	--	380	--	1600	--	2000	1900

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN 23...	65	180	1400	76	20	56	62	0	51	3.1	370	2700
FEB 16...	64	160	1300	76	20	55	57	0	47	3.6	310	2300
MAR 16...	120	390	3000	75	30	240	74	0	61	3.7	710	5500
APR 19...	100	340	3100	79	33	110	80	0	66	5.1	670	5600
MAY 23...	100	300	2400	76	27	98	80	0	66	3.2	570	4100
JUN 19...	74	290	1800	73	21	81	58	0	48	1.5	440	3400
JUL 13...	120	350	2900	77	30	120	76	0	62	2.4	700	5300
AUG 29...	170	490	4500	79	40	180	94	0	77	3.8	1000	8000
SEP 11...	140	400	3500	78	34	130	86	0	71	3.5	840	6200

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN 23...	100	<1.0	.17	.01	.18	.28	.15	1	1	0	0	0
FEB 16...	100	<1.0	.14	.01	.15	.43	.09	1	1	0	0	0
MAR 16...	39	<1.0	.04	.01	.05	.85	.13	0	0	0	0	0
APR 19...	1	<1.0	.18	.02	.20	.73	.10	1	0	1	10	0
MAY 23...	20	<1.0	.01	.01	.02	.39	.08	1	1	0	10	10
JUN 19...	6	<1.0	.03	.01	.04	.53	.04	1	0	1	10	0
JUL 13...	12	<1.0	.00	.02	.02	.61	.06	2	0	2	10	0
AUG 29...	17	<1.0	.01	.11	.12	.65	.06	1	0	1	0	0
SEP 11...	6	<1.0	.06	.06	.12	.61	.08	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
JAN 23...	0	2	0	2	20	0	21	19	2	20	3	3
FEB 16...	0	0	0	0	0	0	11	9	2	30	1	1
MAR 16...	0	0	0	0	10	0	4	0	4	10	3	0
APR 19...	10	1	0	1	0	0	5	0	5	10	0	0
MAY 23...	0	0	0	0	15	0	6	2	4	40	1	1
JUN 19...	10	0	0	0	0	0	5	2	3	40	3	3
JUL 13...	10	2	0	2	20	0	7	5	2	2700	7	5
AUG 29...	0	0	0	0	20	1	6	3	3	20	94	94
SEP 11...	0	0	0	0	0	1	3	0	3	20	3	1

DATE	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)
JAN 23...	0	.0	.0	.0	8	8	0	0	0	0	--
FEB 16...	0	.6	.6	.0	5	5	0	0	0	0	--
MAR 16...	3	.0	.0	.0	0	0	0	0	0	0	--
APR 19...	0	.0	.0	.0	1	0	1	0	0	0	--
MAY 23...	0	.0	.0	.0	2	2	0	0	0	0	--
JUN 19...	0	.0	.0	.0	0	0	0	0	0	0	--
JUL 13...	2	.1	.1	.0	5	2	3	0	0	0	--
AUG 29...	0	.0	.0	.0	4	4	0	0	0	0	--
SEP 11...	2	.0	.0	.0	3	2	1	0	0	0	2.4

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 23...	20	10	10	8.3	.00	4	0	.0	.00	.000	.0	.000
FEB 16...	20	0	20	8.2	.00	1	0	.0	.00	.000	.0	.000
MAR 16...	30	20	10	7.7	.00	1	0	.0	.00	.000	.0	.000
APR 19...	30	10	20	4.8	.00	0	0	.0	.00	.000	.0	.000
MAY 23...	20	0	20	7.7	.00	2	0	.0	.00	.000	.0	.000
JUN 19...	30	10	20	6.7	.00	3	0	.0	.00	.000	.0	.000
JUL 13...	40	0	40	6.2	.00	1	3	.0	.00	.000	.0	.000
AUG 29...	40	10	30	6.8	.00	2	0	.0	.00	.000	.0	.000
SEP 11...	30	0	30	7.1	.00	0	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 23...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
FEB 16...	.000	.000	.03	.001	.000	.000	.00	.000	.000	.001	.01	.00
MAR 16...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
APR 19...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY 23...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUN 19...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUL 13...	.000	.000	.01	.000	.002	.000	.00	.000	.000	.000	.00	.00
AUG 29...	.000	.000	.01	.001	--	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.01	.000	--	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 23...	.00	.00	.00	0.0	.00	.00	.03	.01	.00	6.30	.000
FEB 16...	.00	.00	.00	0.0	.00	.00	.02	.01	.00	21.0	.000
MAR 16...	.00	.00	.00	0.0	.00	.00	.02	.01	.00	8.99	.000
APR 19...	.00	.00	.00	0.0	.00	.00	.03	.00	.00	17.0	.000
MAY 23...	.00	.00	.00	0.0	.00	.00	.02	.00	.00	28.7	.000
JUN 19...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	10.9	.000
JUL 13...	.00	.00	.00	0.0	.00	.00	.02	.00	.00	9.36	.000
AUG 29...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	8.20	.000
SEP 11...	.00	.00	.00	0.0	.00	.00	.02	.00	.00	14.0	.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, 31.0°C Aug. 1-7; minimum daily, 6.0°C several days during January and February.
CHLORIDE: Maximum daily, 11,000 mg/L Dec. 20, 25; minimum daily, 1,800 mg/L Dec. 4.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	20.0	---	11.0	6.0	7.5	20.5	24.0	25.5	29.5	31.0	30.0
2	29.0	20.0	14.0	10.5	6.0	8.5	21.0	24.0	26.0	30.0	31.0	30.0
3	29.0	20.0	13.5	10.0	6.0	9.0	21.5	24.0	25.5	30.0	31.0	30.0
4	28.5	20.0	13.5	10.5	6.0	9.0	22.0	24.0	26.0	30.0	31.0	30.0
5	28.0	20.0	13.5	11.0	6.0	9.0	22.5	24.0	26.0	30.0	31.0	30.0
6	28.0	20.0	12.5	11.0	6.5	9.5	23.0	24.5	26.0	30.0	31.0	29.5
7	27.5	20.0	12.5	11.0	6.5	10.0	23.5	24.5	26.0	30.0	31.0	29.0
8	27.0	19.5	12.5	11.0	6.5	10.5	24.0	24.5	26.0	30.0	30.0	30.0
9	26.5	19.5	12.0	9.5	---	---	24.0	24.5	26.5	30.0	30.0	29.5
10	26.0	20.0	12.0	9.0	---	12.5	24.0	25.0	26.5	30.0	30.0	29.5
11	25.5	20.0	12.0	9.0	---	13.0	24.0	25.0	27.0	30.0	30.0	29.0
12	25.0	20.0	11.5	8.5	---	13.5	24.0	25.0	29.0	30.0	30.0	29.0
13	24.5	20.0	11.0	8.5	---	14.5	24.0	25.0	29.0	30.0	30.0	29.0
14	24.0	20.0	11.0	8.5	---	15.0	---	25.0	29.0	30.0	30.0	29.0
15	23.5	20.0	11.0	8.0	---	15.5	24.0	25.0	29.0	30.0	30.0	29.0
16	22.5	19.5	12.0	8.0	---	15.5	23.5	25.5	29.0	30.0	30.0	29.0
17	23.0	20.0	12.0	8.0	7.5	17.0	23.5	25.5	29.0	30.0	30.0	29.0
18	20.5	20.0	13.0	8.0	6.5	17.5	23.5	25.5	29.0	30.0	30.0	29.0
19	20.0	20.0	13.0	8.0	6.5	18.0	23.5	25.5	29.0	30.0	30.0	29.0
20	20.0	20.5	12.5	8.0	6.0	18.0	24.0	26.0	---	30.0	30.0	29.0
21	20.5	20.5	13.0	7.5	6.0	18.0	24.0	26.0	29.5	30.0	30.0	29.0
22	20.0	20.5	13.0	7.5	6.0	18.0	24.0	25.5	29.5	30.0	30.0	29.0
23	20.0	20.5	13.0	7.5	6.0	18.0	24.0	25.5	30.0	30.0	30.0	29.0
24	20.0	21.0	13.0	7.5	6.0	18.0	24.5	25.5	30.0	30.0	30.0	29.0
25	20.5	21.0	13.5	7.0	6.0	18.0	24.5	25.5	29.5	30.0	30.0	29.0
26	20.5	21.0	14.0	7.0	7.0	17.5	24.5	26.0	29.5	30.0	30.0	29.0
27	21.0	20.0	13.0	7.5	7.0	18.0	25.0	26.0	29.5	30.0	30.0	28.0
28	21.0	20.0	12.5	6.0	8.0	18.0	25.0	26.0	29.5	30.0	30.0	28.5
29	21.0	19.5	12.0	6.0	---	17.5	25.0	25.5	29.5	30.0	30.0	29.0
30	20.5	19.5	11.5	6.0	---	17.5	25.0	25.5	29.5	30.0	30.0	28.5
31	20.5	---	11.0	6.0	---	18.0	---	26.0	---	30.0	30.0	---
MONTH	23.5	20.0	12.5	8.5	---	14.5	23.5	25.0	28.5	30.0	30.0	29.0
YEAR	MAX	31.0	MIN	6.0	MEAN	21.5						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6600	5300	---	5000	4900	3100	5200	6200	5500	4900	6900	4900
2	6200	5000	5800	5000	5000	3200	5300	6400	5400	5000	7300	4900
3	6800	5300	5700	5100	4800	3200	5200	6600	5400	5000	6900	4900
4	6400	5600	1800	5100	4700	3200	5500	6600	5500	5000	7400	4900
5	6100	4900	5900	5000	3200	3000	5400	6600	5400	4900	7200	5000
6	6100	5000	5800	5200	3100	3200	5300	6800	5400	5400	7000	5000
7	6300	5000	5900	3900	3000	3100	5200	6600	5000	6800	7000	4900
8	6400	7600	5900	3800	3100	3100	5300	6700	5400	5100	4400	6400
9	6000	7600	5900	4000	3200	---	5000	6700	4300	6900	4100	5200
10	6000	5000	5800	4000	3200	3200	5200	6600	4500	5200	4400	6400
11	5800	5100	5900	3900	3200	5900	5200	6600	4500	7000	4000	6500
12	5800	7700	5900	3900	3200	5200	5400	6500	4700	5000	4200	5100
13	6000	5000	5900	3800	3300	5200	5400	6000	9400	5100	4200	6400
14	6100	5000	5800	3700	3300	3100	---	6500	4700	7000	4200	5200
15	6200	5000	---	3800	3400	5100	6200	5400	4600	6600	4100	6500
16	5800	5000	5800	3900	3400	5600	4900	6600	4400	7200	4000	5200
17	6200	7700	6000	4400	3300	5400	6000	6100	4500	6900	4200	5000
18	6300	7700	7800	3700	2900	4000	6600	5200	4500	7000	4000	6300
19	6000	5400	10000	3300	3000	5400	6200	5700	4600	6900	4300	5300
20	5300	7700	11000	3800	2800	5400	6000	5300	5200	6800	4200	6500
21	6800	7700	10000	3600	2900	4700	6100	5300	4600	6100	5900	5100
22	5300	7800	8000	3700	2700	4400	6500	6000	4600	7000	4900	6000
23	6800	7700	9000	4800	2700	4500	6600	5300	4600	7000	5200	5200
24	5300	7800	7800	2800	2700	4400	6400	5400	4500	7100	5000	5200
25	6800	5000	11000	3800	3200	4400	6100	5000	4800	6900	5100	5100
26	5400	7800	8100	2600	3100	4200	6400	5500	5200	7200	5000	5200
27	6800	5100	8000	2500	3300	4400	6600	6400	5100	7200	5500	5200
28	5300	5100	8000	2600	3300	4400	6400	4700	5000	7200	5100	5200
29	5000	5300	8200	2500	---	5200	6300	5600	5100	6900	4900	6500
30	5000	7700	8000	5000	---	5200	6100	5200	5000	7400	4800	6400
31	5000	---	5200	4900	---	5200	---	5400	---	7100	5000	---
MONTH	6000	6200	7000	4000	3400	4300	5800	6000	5100	6300	5200	5500
YEAR	MAX	11000	MIN	1800	MEAN	5400						

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

LOCATION.--Lat 29°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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
JAN 16...	1105	21800	7.9	7	10	11.9	120	1.4	K8	K4	2500	2400
FEB 15...	0950	22500	7.7	15	10	11.5	86	3.7	<5	0	2500	2400
MAR 15...	1045	29100	8.0	1	2	9.4	130	2.1	K12	2	3000	2900
APR 18...	1050	29100	8.0	5	30	9.3	400	3.3	<5	<5	3300	3200
MAY 22...	1000	22200	8.2	10	8	7.0	260	2.4	28	K4	2500	2400
JUN 19...	1100	25500	7.9	20	6	7.1	400	2.3	<5	<5	3000	2900
JUL 13...	1100	30000	8.0	5	2	7.0	250	3.4	<5	<5	3500	3400
AUG 29...	1125	35500	7.9	5	2	8.1	340	2.0	K120	--	3600	3500
SEP 11...	1030	30000	8.1	5	5	8.1	670	2.2	430	--	3400	3300

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN 16...	160	500	3600	75	32	160	87	0	71	1.8	1100	7400
FEB 15...	160	510	4300	78	37	170	82	0	67	2.6	1100	7800
MAR 15...	190	610	--	--	--	190	96	0	79	1.5	--	--
APR 18...	220	660	5700	78	43	240	111	0	91	1.8	1500	10000
MAY 22...	180	500	4400	78	38	170	113	0	93	1.1	1100	7500
JUN 19...	190	610	4700	76	37	200	110	0	90	2.2	--	9100
JUL 13...	230	720	5900	77	43	240	125	0	100	2.0	1500	10000
AUG 29...	230	730	6000	77	44	250	125	0	103	2.5	1500	11000
SEP 11...	240	670	6100	78	46	240	130	0	110	1.7	1600	11000

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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)
JAN 16...	43	<1.0	.00	.00	.00	.52	.05	1	1	0	0	0
FEB 15...	36	<1.0	.02	.00	.02	.39	.05	1	1	0	10	10
MAR 15...	--	<1.0	.01	.01	.02	.57	.09	0	--	--	0	0
APR 18...	30	<1.0	.06	.01	.07	.63	.08	2	2	0	20	0
MAY 22...	17	<1.0	.02	.00	.02	1.1	.05	1	1	0	10	10
JUN 19...	12	<1.0	.04	.04	.08	.66	.06	2	1	1	10	10
JUL 13...	10	<1.0	.00	.01	.01	.39	.08	2	0	2	20	10
AUG 29...	26	<1.0	.04	.01	.05	.62	.09	2	1	1	10	0
SEP 11...	16	<1.0	.03	.02	.05	.68	.08	2	1	1	10	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)
JAN 16...	0	0	0	0	10	0	3	1	2	20	1
FEB 15...	0	0	0	0	20	0	9	6	3	20	4
MAR 15...	0	1	0	1	10	--	5	0	5	30	3
APR 18...	20	1	1	0	20	0	6	1	5	20	6
MAY 22...	0	0	0	0	15	0	6	2	4	30	4
JUN 19...	0	3	2	1	0	0	4	2	2	60	3
JUL 13...	10	3	2	1	10	0	4	2	2	30	6
AUG 29...	10	0	0	0	20	0	5	4	1	30	0
SEP 11...	10	1	1	0	30	0	4	0	4	20	3

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)
JAN 16...	1	0	.0	.0	.0	5	3	2	0	0	0
FEB 15...	4	0	.0	.0	.0	0	0	0	0	0	0
MAR 15...	0	3	.0	.0	.0	0	0	0	0	0	0
APR 18...	4	2	.0	.0	.0	6	6	0	0	0	0
MAY 22...	3	1	.0	.0	.0	5	5	0	0	0	0
JUN 19...	2	1	.1	.1	.0	6	4	2	0	0	0
JUL 13...	4	2	.1	.1	.0	5	5	0	0	0	0
AUG 29...	0	0	.0	.0	.0	0	0	0	0	0	0
SEP 11...	3	0	.0	.0	.0	4	3	1	0	0	0

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 16...	30	10	--	5.5	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	40	20	20	5.7	.00	2	0	.0	.00	.000	.0	.000
MAR 15...	30	0	30	3.5	.00	0	0	.0	.00	.000	.0	.000
APR 18...	70	30	40	6.8	.00	0	0	.0	.00	.000	.0	.000
MAY 22...	30	0	30	6.3	.00	2	0	.0	.00	.000	.0	.000
JUN 19...	20	0	20	5.4	.00	2	0	.0	.00	.000	.0	.000
JUL 13...	50	0	50	6.1	.00	1	0	.0	.00	.000	.0	.000
AUG 29...	40	0	40	5.5	.00	2	0	.0	.00	.000	.0	.000
SEP 11...	40	10	30	6.2	.00	1	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.000	.03	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR 18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY 22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
JUN 19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 13...	.000	.000	--	.000	.000	.000	--	.000	.000	.000	--	.00
AUG 29...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.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)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	8.75	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	6.73	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	3.00	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	5.49	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	9.71	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	16.5	.000
JUL 13...	--	--	--	.00	0.0	--	.00	.00	.00	.00	21.9	1.14
AUG 29...	.00	.00	.01	.00	0.0	.00	.00	.00	.00	.00	12.8	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	13.3	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
16...	1300	18200	8.0	25	5	13.0	120	4.0	K4	--	2000	1900
FEB												
15...	1200	12600	7.5	20	6	11.2	54	4.6	<5	0	1300	1200
MAR												
15...	1235	12100	7.9	15	5	8.9	84	2.6	K20	K12	1200	1100
APR												
18...	1300	12100	7.9	10	10	10.6	120	5.6	<5	<5	1300	1200
MAY												
22...	1215	14300	8.0	30	6	7.7	180	2.9	K36	<5	1600	1500
JUN												
19...	1245	15100	8.2	20	6	7.9	330	4.6	K24	<5	1700	1600
JUL												
13...	1245	12700	8.0	40	6	7.0	140	2.5	<5	<5	1400	1300
AUG												
29...	1325	16600	7.9	30	3	8.8	370	1.3	120	--	1800	1700
SEP												
11...	1215	17300	8.0	30	6	8.7	140	3.9	190	<5	1700	1600

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
16...	130	400	3200	77	31	120	102	0	84	1.6	820	5500
FEB												
15...	92	260	2200	77	27	89	86	0	71	4.4	770	4000
MAR												
15...	82	242	2600	80	33	200	90	0	74	1.8	580	4500
APR												
18...	90	270	2200	77	26	85	102	0	84	2.1	530	3900
MAY												
22...	110	310	2700	78	30	110	100	0	82	1.6	620	4700
JUN												
19...	120	330	2800	77	30	120	117	0	96	1.2	630	5000
JUL												
13...	100	270	2300	77	27	98	134	0	110	2.1	510	4200
AUG												
29...	130	350	3200	78	33	130	127	0	100	2.6	680	5800
SEP												
11...	130	330	3400	80	36	130	131	0	110	2.1	730	5900

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN 16...	35	<1.0	.00	.01	.01	.70	.07	0	0	0	0	0
FEB 15...	21	<1.0	.01	.01	.02	.68	.07	0	0	0	10	10
MAR 15...	17	<1.0	.01	.01	.02	.42	.14	0	0	0	0	0
APR 18...	--	<1.0	.04	.01	.05	.67	.33	3	2	1	0	0
MAY 22...	15	<1.0	.02	.01	.03	.76	.08	0	0	0	5	0
JUN 19...	6	<1.0	.04	.03	.07	.83	.07	1	0	1	10	5
JUL 13...	27	<1.0	.00	.01	.01	.96	.14	3	0	3	10	0
AUG 29...	13	<1.0	.00	.01	.01	.95	.18	2	0	2	10	10
SEP 11...	6	<1.0	.01	.01	.02	.81	.14	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)
JAN 16...	0	0	0	0	0	0	2	0	2	30	0
FEB 15...	0	1	0	1	20	0	8	5	3	20	2
MAR 15...	0	0	0	0	10	0	2	0	2	40	4
APR 18...	0	0	0	0	20	0	9	3	6	40	9
MAY 22...	5	0	0	0	10	0	5	3	2	0	3
JUN 19...	5	0	0	0	0	0	5	2	3	20	1
JUL 13...	10	2	1	1	20	0	5	3	2	50	5
AUG 29...	0	0	0	0	10	0	4	2	2	40	2
SEP 11...	10	0	0	0	0	0	4	0	4	20	4

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)
JAN 16...	0	0	.2	.2	.0	5	3	2	0	0	0
FEB 15...	1	1	.0	.0	.0	3	1	2	0	0	0
MAR 15...	1	3	.0	.0	.0	0	0	0	0	0	0
APR 18...	9	0	.0	.0	.0	7	6	1	0	0	0
MAY 22...	3	0	.0	.0	.0	4	4	0	0	0	0
JUN 19...	1	0	.0	.0	.0	2	2	0	0	0	0
JUL 13...	3	2	.0	.0	.0	7	3	4	0	0	0
AUG 29...	2	0	.0	.0	.0	7	0	7	0	0	0
SEP 11...	4	0	.0	.0	.0	3	1	2	0	0	0

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 16...	20	10	10	9.7	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	30	10	20	9.5	.00	1	0	.0	.00	.000	.0	.000
MAR 15...	20	10	10	8.4	.00	1	0	.0	.00	.000	.0	.000
APR 18...	50	30	20	17	.00	2	0	.0	.00	.000	.0	.000
MAY 22...	20	0	20	11	.00	2	0	.0	.00	.000	.0	.000
JUN 19...	30	0	30	9.1	.00	2	0	.0	.00	.000	.0	.000
JUL 13...	30	0	30	14	.00	1	0	.0	.00	.000	.0	.000
AUG 29...	20	0	20	14	.00	2	0	.0	.00	.000	.0	.000
SEP 11...	20	0	20	13	.00	1	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.000	.07	.000	.000	.000	.00	.000	.000	.002	.00	.00
MAR 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR 18...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.003	.00	.00
MAY 22...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.006	.00	.00
JUN 19...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUL 13...	.000	.000	.02	.000	.003	.000	.00	.000	.000	.000	.00	.00
AUG 29...	.000	.000	.01	.000	--	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.00	.000	--	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	11.3	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	7.52	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	11.9	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	34.4	5.21
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	14.2	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	10.6	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	23.6	2.04
AUG 29...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	18.2	.930
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	19.0	.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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
16...	1125	29600	8.0	5	7	12.0	120	1.4	K8	<5	3500	3400
FEB												
15...	1015	33300	8.1	5	8	11.8	140	3.6	K44	K2	3900	3800
MAR												
15...	1100	43100	8.2	0	2	10.2	100	2.1	<5	<5	4900	4800
APR												
18...	1105	28600	8.1	5	10	10.6	140	3.5	<5	<5	3200	3100
MAY												
22...	1030	29800	8.5	0	3	10.4	380	2.1	K76	K12	3400	3300
JUN												
19...	1130	32800	8.5	5	9	8.4	470	2.8	K8	<5	3900	3800
JUL												
13...	1115	36800	8.5	0	1	8.6	200	2.6	<5	<5	4500	4300
AUG												
29...	1200	36900	8.1	5	5	8.6	390	.6	110	K16	4400	4300
SEP												
11...	1050	32900	8.4	0	1	7.8	630	1.9	K20	<5	3700	3600

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
16...	220	710	5300	75	39	230	111	0	91	1.8	1500	10000
FEB												
15...	250	800	6600	78	46	190	102	0	84	1.3	1600	12000
MAR												
15...	310	1000	8000	77	50	340	137	0	112	1.4	1900	14000
APR												
18...	220	650	5700	78	44	230	123	0	101	1.6	1500	10000
MAY												
22...	210	690	6000	78	45	220	120	6	108	.7	1500	8600
JUN												
19...	240	800	6700	77	47	280	123	4	110	.7	1500	12000
JUL												
13...	270	920	7700	78	50	310	129	6	120	.7	1800	14000
AUG												
29...	270	900	7300	77	48	310	143	0	117	1.8	1500	13000
SEP												
11...	260	750	6900	79	49	260	130	5	120	.9	1700	12000

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN 16...	26	<1.0	.21	.01	.22	.34	.05	0	0	0	0	0
FEB 15...	28	<1.0	.03	.01	.04	.19	.04	1	1	0	0	0
MAR 15...	7	<1.0	.14	.01	.15	.34	.10	1	0	1	0	0
APR 18...	5	<1.0	.58	.04	.62	.60	.06	2	2	0	10	10
MAY 22...	15	<1.0	.24	.01	.25	--	.03	1	1	0	20	20
JUN 19...	21	<1.0	.09	.04	.13	.45	.06	2	1	1	5	0
JUL 13...	3	<1.0	.01	.01	.02	.57	.03	2	1	1	20	10
AUG 29...	14	<1.0	.16	.02	.18	.53	.09	2	1	1	10	0
SEP 11...	9	<1.0	.04	.01	.05	.68	.07	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)
JAN 16...	0	0	0	0	40	0	2	0	2	30	1
FEB 15...	0	0	0	0	20	0	6	3	3	20	2
MAR 15...	0	1	0	1	20	0	3	1	2	20	3
APR 18...	0	0	0	0	30	0	5	3	2	70	3
MAY 22...	0	0	0	0	10	0	5	3	2	20	3
JUN 19...	5	1	0	1	30	0	3	2	1	70	3
JUL 13...	10	2	2	0	10	0	4	1	3	30	4
AUG 29...	10	0	0	0	40	0	5	4	1	50	0
SEP 11...	0	0	0	0	20	0	3	0	3	30	1

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)
JAN 16...	1	0	.0	.0	.0	4	3	1	0	0	0
FEB 15...	2	0	1.2	1.2	.0	3	3	0	0	0	0
MAR 15...	0	3	.0	.0	.0	0	0	0	0	0	0
APR 18...	3	0	.0	.0	.0	4	4	0	0	0	0
MAY 22...	2	1	.0	.0	.0	0	0	0	0	0	0
JUN 19...	3	0	.2	.1	.1	4	4	0	0	0	0
JUL 13...	0	4	.0	.0	.0	5	3	2	0	0	0
AUG 29...	0	0	.1	.1	.0	0	0	0	1	0	1
SEP 11...	1	0	.0	.0	.0	2	1	1	0	0	0

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 16...	40	20	20	4.3	.00	0	0	.0	.00	.00	.0	.00
FEB 15...	60	30	30	3.6	.00	0	0	.0	.00	.00	.0	.00
MAR 15...	50	30	20	2.6	.00	0	0	.0	.00	.00	.0	.00
APR 18...	60	20	40	3.3	.00	0	0	.0	.00	.00	.0	.00
MAY 22...	30	0	30	3.0	.00	2	0	.0	.00	.00	.0	.00
JUN 19...	30	0	30	3.6	.00	1	0	.0	.00	.00	.0	.00
JUL 13...	60	0	60	3.2	.00	1	0	.0	.00	.00	.0	.00
AUG 29...	40	10	30	4.9	.00	1	0	.0	.00	.00	.0	.00
SEP 11...	40	0	40	3.9	.00	0	0	.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)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 16...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB 15...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR 15...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR 18...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY 22...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN 19...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 13...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUG 29...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP 11...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 16...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	3.75	.000
FEB 15...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	4.90	.000
MAR 15...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	10.8	.000
APR 18...	.00	.00	.00	.00	0	.00	.00	.02	.01	.00	1.55	.000
MAY 22...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	4.81	.000
JUN 19...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	27.5	.000
JUL 13...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	5.46	.000
AUG 29...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	14.2	.000
SEP 11...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	6.48	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
16...	1250	46300	8.1	5	30	9.4	200	1.7	K4	--	5500	5400
FEB												
15...	1135	34800	7.9	5	25	10.8	69	4.8	K4	--	4200	4100
MAR												
15...	1210	34900	8.1	10	25	9.3	140	1.3	K12	5	4100	4000
APR												
18...	1230	11600	8.0	10	15	10.2	52	3.8	K8	K4	1300	1200
MAY												
22...	1200	19000	8.3	0	15	9.4	210	1.9	--	K16	2400	2300
JUN												
19...	1215	25000	8.3	10	30	7.3	380	2.0	K20	K14	2900	2800
JUL												
13...	1220	31000	8.2	5	9	7.4	360	2.7	<5	<5	3700	3600
AUG												
29...	1315	25600	7.9	15	20	7.3	370	1.3	K140	<4	2700	2600
SEP												
11...	1200	25600	8.1	10	10	6.6	260	2.5	510	K20	2700	2600

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
16...	370	1100	9300	79	55	36	148	0	121	1.9	2500	17000
FEB												
15...	270	850	7000	77	47	260	133	0	109	2.7	1600	13000
MAR												
15...	260	850	6200	75	42	290	133	0	109	1.7	1400	11000
APR												
18...	96	250	2000	76	24	81	112	0	92	1.8	530	3700
MAY												
22...	170	470	3800	76	34	150	126	0	103	1.0	930	6800
JUN												
19...	190	590	4600	76	37	210	135	0	111	1.1	1100	8800
JUL												
13...	240	760	6400	77	46	260	146	0	120	1.5	1500	12000
AUG												
29...	190	540	4400	77	37	180	147	0	121	3.0	1200	8600
SEP												
11...	200	540	5000	79	42	190	146	0	120	1.9	1200	8800

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN 16...	158	<1.0	.13	.03	.16	.29	.11	2	1	1	20	10
FEB 15...	80	<1.0	.03	.01	.04	.30	.08	1	1	0	10	0
MAR 15...	92	<1.0	.35	.01	.36	.38	.17	1	1	0	0	0
APR 18...	27	<1.0	1.1	.07	1.2	.60	.08	2	2	0	0	0
MAY 22...	25	<1.0	.77	.04	.81	.52	.06	1	0	1	5	0
JUN 19...	22	<1.0	.33	.05	.38	.51	.10	1	0	1	20	10
JUL 13...	35	<1.0	.02	.03	.05	.72	.10	2	1	1	20	10
AUG 29...	52	<1.0	.42	.05	.47	.75	.16	2	0	2	10	0
SEP 11...	29	<1.0	--	--	--	.75	.08	2	1	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)
JAN 16...	10	0	0	0	30	0	6	5	1	40	4
FEB 15...	10	1	0	1	30	0	14	12	2	20	4
MAR 15...	0	0	0	0	20	0	4	2	2	130	4
APR 18...	0	1	1	0	10	0	4	0	4	30	4
MAY 22...	5	0	0	0	15	0	6	4	2	0	4
JUN 19...	10	0	0	0	15	0	7	4	3	20	4
JUL 13...	10	2	1	1	20	0	5	2	3	30	5
AUG 29...	10	0	0	0	10	0	6	4	2	20	2
SEP 11...	0	0	0	0	20	1	4	1	3	20	3

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
JAN 16...	2	2	.0	.0	.0	10	8	2	0	0	0
FEB 15...	3	1	.2	.2	.0	18	16	2	0	0	0
MAR 15...	0	4	.0	.0	.0	1	1	0	0	0	0
APR 18...	3	1	.1	.0	.1	8	8	0	0	0	0
MAY 22...	4	0	.0	.0	.0	6	6	0	0	0	0
JUN 19...	3	1	.0	.0	.0	4	3	1	0	0	0
JUL 13...	3	2	.1	.1	.0	7	4	3	0	0	0
AUG 29...	2	0	.1	.1	.0	44	14	30	0	0	0
SEP 11...	3	0	.1	.0	.1	4	4	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 (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)
JAN 16...	80	20	60	4.1	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	60	30	30	5.7	.00	1	0	.0	.00	.000	.0	.000
MAR 15...	40	30	10	3.3	.00	1	0	.0	.00	.000	.0	.000
APR 18...	30	10	20	5.6	.00	0	0	.0	.00	.000	.0	.000
MAY 22...	30	0	30	4.9	.00	1	0	.0	.00	.000	.0	.000
JUN 19...	50	10	40	5.0	.00	2	0	.0	.00	.000	.0	.000
JUL 13...	60	0	60	5.3	.00	1	0	.0	6.0	.001	.0	.000
AUG 29...	40	0	40	7.2	.00	1	0	.0	.00	.000	.0	.000
SEP 11...	30	0	30	4.9	.00	0	0	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
JAN 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.000	.03	.001	.000	.000	.00	.000	.000	.001	.00	.00
MAR 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
APR 18...	.000	.000	.01	.002	.000	.000	.00	.000	.001	.000	.00	.00
MAY 22...	.000	.002	.00	.003	.000	.001	.00	.000	.000	.000	.00	.00
JUN 19...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.003	.00	.00
JUL 13...	.003	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 29...	.000	.000	.01	.001	--	.000	.00	.000	.000	.001	.00	.00
SEP 11...	.000	.000	.00	.001	--	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 16...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	10.0	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	21.2	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	7.70	.000
APR 18...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	7.85	.000
MAY 22...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	8.43	.000
JUN 19...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	16.6	.000
JUL 13...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	16.9	.000
AUG 29...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	9.62	.000
SEP 11...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	7.73	.000

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)

LOCATION.--Lat 29°40'06", long 90°06'36", 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.

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 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.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C June 26, 27, July 4, 5, 18, Aug. 20; minimum daily, 4.0°C Jan. 20, 21.
CHLORIDE: Maximum daily, 2,700 mg/L Aug. 29; minimum daily, 160 mg/L Feb. 22, 23.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.0	18.0	13.0	7.0	15.0	21.5	24.0	29.0	31.0	30.0	29.0
2	---	22.0	17.0	10.0	8.0	16.0	22.0	25.0	29.5	31.5	30.5	29.0
3	27.0	20.0	18.0	9.0	7.0	16.0	22.0	25.0	28.0	31.5	30.5	29.0
4	25.0	21.0	21.0	9.0	8.0	14.5	22.0	21.0	27.0	32.0	31.0	29.0
5	24.5	19.0	24.5	10.5	8.0	10.5	23.0	22.0	29.0	32.0	31.0	29.0
6	---	19.0	18.0	12.5	7.5	11.5	23.0	23.5	28.0	31.0	31.0	30.5
7	24.0	18.0	14.0	14.5	5.0	13.5	23.5	24.5	28.0	31.0	30.0	30.0
8	24.0	20.0	13.0	15.0	6.0	15.0	24.0	25.0	28.0	30.5	30.0	29.5
9	23.5	20.0	14.0	10.0	5.0	13.0	24.0	25.0	---	27.0	---	29.0
10	24.0	17.0	11.0	8.5	5.5	11.0	24.0	25.0	---	27.0	---	28.0
11	24.0	15.0	10.5	7.0	7.0	12.5	24.0	25.0	---	28.5	---	28.5
12	22.0	15.0	10.5	7.5	9.0	15.0	21.0	26.0	---	29.0	---	29.0
13	20.0	15.0	12.0	8.0	9.5	18.0	20.0	26.0	---	29.0	---	29.0
14	18.0	15.0	13.0	6.0	10.0	---	21.0	25.5	---	29.0	---	29.0
15	18.0	15.0	15.5	5.0	9.0	18.0	22.0	25.0	---	29.0	---	29.0
16	18.0	17.0	16.0	7.0	10.0	18.0	23.0	27.0	---	29.5	---	29.0
17	17.5	17.0	16.0	8.0	10.0	16.0	24.0	26.0	29.0	31.0	30.0	29.0
18	18.0	18.0	15.5	6.5	8.0	---	24.5	25.0	29.0	32.0	30.5	29.0
19	18.0	18.0	14.0	6.0	8.0	17.0	24.5	26.0	29.0	31.0	31.0	29.0
20	20.0	19.0	12.5	4.0	6.5	17.0	23.0	27.5	29.0	30.5	32.0	29.0
21	22.0	20.0	10.0	4.0	8.0	18.0	23.0	28.0	30.0	30.0	31.5	29.5
22	22.0	20.0	10.0	4.5	7.0	---	23.0	28.5	30.5	28.0	31.0	30.0
23	23.0	19.5	10.0	6.0	8.5	20.0	23.5	29.5	31.0	29.0	31.0	30.0
24	24.0	19.5	10.5	8.5	9.0	20.0	23.5	29.5	31.0	29.0	30.0	29.5
25	24.0	19.0	10.5	11.5	9.5	20.0	24.5	30.0	31.5	29.5	30.0	29.0
26	23.0	17.0	11.0	8.0	10.5	18.0	24.0	30.0	32.0	30.0	30.0	28.5
27	22.5	18.0	9.0	7.5	11.0	17.5	22.0	29.5	32.0	30.0	30.5	28.0
28	22.0	19.0	9.5	7.5	11.0	17.0	22.0	29.0	31.0	30.0	29.0	28.0
29	22.0	19.0	10.0	7.0	---	18.0	23.0	28.0	31.0	30.0	27.0	26.0
30	22.0	19.5	11.5	7.5	---	20.0	23.5	30.0	31.0	30.0	28.0	25.5
31	22.0	---	10.0	7.0	---	20.0	---	29.5	---	30.0	29.5	---
MONTH	22.0	18.5	13.5	8.5	8.0	16.5	23.0	26.5	---	30.0	---	29.0
YEAR	MAX	32.0	MIN	4.0	MEAN	21.0						

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1200	740	280	200	900	250	---	330	420	340	600
2	1900	1800	700	450	210	850	270	---	300	360	350	600
3	1400	1600	700	480	200	850	280	---	200	360	340	880
4	1300	1200	660	400	190	200	340	---	190	360	390	780
5	1800	1100	520	400	200	190	380	---	200	360	380	1000
6	---	970	530	400	210	230	450	---	260	300	400	980
7	1700	960	500	480	210	300	310	---	220	310	430	980
8	1800	930	410	450	410	260	370	---	400	310	390	900
9	1700	1100	640	300	200	260	1300	1100	480	310	320	880
10	1800	900	660	320	410	200	1200	640	240	330	690	920
11	1600	900	550	320	420	220	1800	470	240	330	450	920
12	1600	900	550	470	440	220	550	420	250	360	350	1000
13	1400	860	500	300	300	220	400	410	240	360	300	980
14	1800	1000	580	360	310	---	460	300	220	340	300	1000
15	1700	740	520	340	190	280	350	400	240	340	300	680
16	1500	920	510	340	200	210	490	360	250	320	350	650
17	1400	970	630	350	200	190	500	440	290	360	350	620
18	1500	1200	380	320	190	---	920	430	320	420	350	850
19	1400	1100	380	340	200	230	440	320	350	450	350	850
20	1200	1100	420	310	210	220	460	320	360	490	350	880
21	1200	1500	400	280	250	260	360	300	380	500	300	850
22	1200	1500	420	270	160	---	320	320	370	430	300	900
23	1400	1000	420	300	160	260	990	400	330	660	330	880
24	1500	1000	440	300	180	270	1000	460	370	650	380	650
25	1500	960	480	250	220	340	1000	460	300	520	400	600
26	960	860	380	170	230	210	1000	460	320	420	450	700
27	950	880	500	230	250	210	300	480	290	360	480	700
28	970	880	490	210	250	220	320	460	310	360	1100	950
29	1000	830	550	210	---	240	440	490	310	330	2700	1800
30	1100	700	520	200	---	230	900	450	450	360	1100	1800
31	1100	---	780	190	---	230	---	340	---	370	1100	---
MONTH	1400	1100	530	320	240	300	610	---	300	390	520	890
YEAR	MAX	2700	MIN	160	MEAN	590						

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
23...	1115	1410	7.7	60	55	12.0	67	3.4	1200	140	170	99
FEB												
16...	1005	2710	7.5	60	65	10.6	52	2.6	K300	K8	290	230
MAR												
16...	0945	2750	7.4	40	85	8.5	67	1.5	K600	K60	300	240
APR												
19...	1000	3080	7.6	40	30	7.6	59	.9	K80	K10	330	270
MAY												
23...	0915	1890	7.7	40	30	6.9	53	1.7	K32	K20	210	160
JUN												
20...	0920	4160	7.7	40	25	6.4	59	2.1	K150	<5	410	350
JUL												
14...	0900	2170	7.8	30	25	6.7	46	2.2	K90	--	210	150
AUG												
30...	1000	18400	7.4	30	55	6.6	180	4.6	6600	K40	2000	1900
SEP												
12...	1030	10200	7.7	40	15	8.2	140	2.6	3000	1000	970	870

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
23...	32	23	200	70	6.6	7.5	86	0	71	2.7	62	350
FEB												
16...	37	49	420	74	11	16	73	0	60	3.7	100	740
MAR												
16...	37	51	420	73	11	31	68	0	56	4.3	100	780
APR												
19...	40	57	540	76	13	21	71	0	58	2.9	120	940
MAY												
23...	28	34	310	75	9.3	12	64	0	52	2.0	75	530
JUN												
20...	43	73	710	78	15	27	76	0	62	2.4	150	1200
JUL												
14...	28	35	350	77	10	13	78	0	64	2.0	68	620
AUG												
30...	150	390	3300	77	32	140	115	0	94	7.3	800	5900
SEP												
12...	92	180	1900	80	27	63	119	0	98	3.8	370	3400

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN 23...	152	<1.0	.83	.02	.85	.46	.26	2	1	1	0	0
FEB 16...	186	<1.0	.88	.06	.94	1.1	.25	2	1	1	10	10
MAR 16...	178	<1.0	.86	.03	.89	.05	.27	2	1	1	0	0
APR 19...	19	<1.0	.61	.02	.63	.90	.11	2	1	1	0	0
MAY 23...	38	<1.0	.04	.04	.08	.77	.10	2	1	1	0	0
JUN 20...	32	<1.0	.05	.00	.05	.77	.10	2	1	1	0	0
JUL 14...	21	<1.0	.07	.01	.08	.94	.13	4	3	1	0	0
AUG 30...	224	<1.0	.03	.01	.04	.77	.27	2	1	1	10	0
SEP 12...	2	<1.0	.00	.01	.01	.84	.10	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)
JAN 23...	0	3	0	3	0	0	11	3	8	50	12
FEB 16...	0	1	0	1	0	0	26	23	3	110	8
MAR 16...	0	1	0	1	0	0	13	8	5	30	4
APR 19...	0	1	0	1	0	0	8	1	7	20	3
MAY 23...	0	0	0	0	0	0	33	30	3	20	10
JUN 20...	0	0	0	0	0	0	7	3	4	30	2
JUL 14...	0	3	2	1	0	0	8	0	8	40	6
AUG 30...	10	0	0	0	20	0	7	4	3	30	18
SEP 12...	0	1	1	0	20	0	4	1	3	20	4

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)
JAN 23...	11	1	.2	.0	.2	11	11	0	0	0	0
FEB 16...	8	0	.2	.2	.0	8	7	1	0	0	0
MAR 16...	1	3	.9	.9	.0	10	10	0	0	0	0
APR 19...	2	1	.0	.0	.0	1	0	1	0	0	0
MAY 23...	10	0	.0	.0	.0	5	5	0	0	0	0
JUN 20...	2	0	.0	.0	.0	4	4	0	0	0	0
JUL 14...	2	4	.4	.4	.0	6	2	4	0	0	0
AUG 30...	18	0	.0	.0	.0	5	4	1	0	0	0
SEP 12...	4	0	.0	.0	.0	3	3	0	0	0	0

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 23...	40	30	10	17	.00	4	0	.0	.00	.000	.0	.000
FEB 16...	50	10	40	18	.00	2	0	.0	.00	.000	.0	.000
MAR 16...	30	30	0	18	.00	1	0	.0	.00	.000	.0	.000
APR 19...	10	0	10	14	.00	0	0	.0	.00	.000	.0	.000
MAY 23...	20	10	10	13	.00	5	0	--	--	--	--	--
JUN 20...	20	0	20	12	.00	3	0	.0	.00	.000	.0	.000
JUL 14...	20	10	10	14	.00	3	0	.0	.00	.000	.0	.000
AUG 30...	30	0	30	19	.00	2	0	.0	.00	.000	.0	.000
SEP 12...	20	0	20	17	.00	1	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 23...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.002	.00	.00
FEB 16...	.000	.000	.11	.001	.000	.000	.00	.000	.000	.002	.00	.00
MAR 16...	.000	.007	.02	.000	.000	.000	.00	.000	.000	.002	.00	.00
APR 19...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAY 23...	--	--	--	--	--	--	--	--	--	--	--	--
JUN 20...	.000	.002	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 14...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.001	.00	.00
AUG 30...	.000	.000	.01	.000	.004	.000	.00	.000	.000	.000	.00	.00
SEP 12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.002	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 23...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.01	1.92	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.01	2.80	.000
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.01	5.24	4.28
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	4.36	.000
MAY 23...	--	--	--	--	--	--	--	.00	.00	.01	7.33	.000
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.03	19.1	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.03	29.0	1.07
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	36.1	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.01	46.0	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
23...	1100	28300	8.0	20	10	11.2	96	1.7	K100	<5	3600	3500
FEB												
16...	0940	36200	7.5	10	15	11.0	89	3.9	<5	<5	4400	4400
MAR												
16...	0920	27400	7.9	15	20	8.8	140	2.6	--	20	3300	3200
APR												
19...	0945	21600	7.6	5	7	6.9	43	1.6	--	40	2400	2300
MAY												
23...	0855	21500	8.6	5	15	11.3	290	3.5	<5	<5	2600	2500
JUN												
20...	0900	29800	8.3	5	20	6.7	480	2.4	K90	<5	3400	3300
JUL												
14...	0845	27600	8.3	10	3	7.8	320	4.0	--	K16	3200	3000
AUG												
30...	0920	32200	8.2	5	5	7.6	520	1.8	150	K28	3800	3700
SEP												
12...	1000	29600	8.4	5	8	9.4	330	2.9	1600	<5	3600	3500

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
23...	220	730	5600	76	41	210	118	0	97	1.9	1500	10000
FEB												
16...	300	890	7300	77	48	270	56	0	46	2.8	1700	13000
MAR												
16...	200	670	5300	77	40	190	110	0	90	2.2	1300	9100
APR												
19...	150	500	4300	78	38	180	108	0	89	4.3	1100	7800
MAY												
23...	180	530	4200	76	36	160	105	11	104	.5	980	7500
JUN												
20...	220	690	5700	77	43	250	132	0	108	1.1	--	11000
JUL												
14...	210	640	5300	77	41	220	145	0	120	1.2	1300	9800
AUG												
30...	240	770	6300	77	45	260	142	0	120	1.4	1600	1200
SEP												
12...	240	730	6200	78	45	240	136	4	118	.9	1900	11000

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN 23...	31	<1.0	.25	.01	.26	1.2	.06	1	1	0	0	0
FEB 16...	75	<1.0	.06	.01	.07	.38	.08	1	1	0	10	0
MAR 16...	56	<1.0	.03	.01	.04	.05	.13	0	0	0	0	0
APR 19...	5	<1.0	.49	.04	.53	.77	.06	1	0	1	10	0
MAY 23...	65	<1.0	.31	.04	.35	.37	.06	1	1	0	10	5
JUN 20...	33	<1.0	.17	.00	.17	.65	.07	1	1	0	10	0
JUL 14...	6	<1.0	.00	.01	.01	.54	.05	3	0	3	10	0
AUG 30...	28	<1.0	.06	.04	.10	.70	.07	2	1	1	10	0
SEP 12...	8	<1.0	.05	.02	.07	.57	.07	2	1	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)
JAN 23...	0	1	0	1	20	0	3	1	2	40	3
FEB 16...	10	0	0	0	20	0	6	4	2	30	0
MAR 16...	0	1	0	1	10	0	5	2	3	20	4
APR 19...	10	1	0	1	30	0	4	1	3	10	1
MAY 23...	5	0	0	0	15	0	6	3	3	20	2
JUN 20...	10	0	0	0	25	0	6	3	3	30	3
JUL 14...	10	2	1	1	20	0	5	1	4	30	5
AUG 30...	10	0	0	0	30	0	5	2	3	30	0
SEP 12...	0	0	0	0	20	0	4	1	3	20	4

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)
JAN 23...	3	0	.0	.0	.0	8	8	0	0	0	0
FEB 16...	0	0	1.1	1.1	.0	11	10	1	0	0	0
MAR 16...	0	4	.0	.0	.0	0	0	0	0	0	0
APR 19...	0	1	.0	.0	.0	1	0	1	0	0	0
MAY 23...	2	0	.0	.0	.0	3	3	0	0	0	0
JUN 20...	2	1	.0	.0	.0	3	3	0	0	0	0
JUL 14...	1	4	.2	.2	.0	4	0	4	0	0	0
AUG 30...	0	0	.1	.1	.0	0	0	0	0	0	0
SEP 12...	4	0	.0	.0	.0	3	3	0	0	0	0

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 23...	40	0	40	6.2	.00	2	0	.0	.00	.00	.0	.00
FEB 16...	60	20	40	4.7	.00	2	0	.0	.00	.00	.0	.00
MAR 16...	30	20	10	5.9	.00	0	0	.0	.00	.00	.0	.00
APR 19...	40	10	30	3.8	.00	0	4	.0	.00	.00	.0	.00
MAY 23...	30	0	30	4.9	.00	3	0	.0	.00	.00	.0	.00
JUN 20...	50	0	50	5.6	.00	2	0	.0	.00	.00	.0	.00
JUL 14...	50	0	50	3.9	.00	1	0	.0	.00	.00	.0	.00
AUG 30...	40	10	30	3.7	.00	2	0	.0	.00	.00	.0	.00
SEP 12...	40	0	40	4.6	.00	1	0	.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)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 23...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB 16...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR 16...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR 19...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY 23...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN 20...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 14...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUG 30...	.00	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	.00
SEP 12...	.00	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 23...	.00	.00	.00	.00	0	.00	.00	.00	.00	.01	5.76	.000
FEB 16...	.00	.00	.00	.00	0	.00	.00	--	--	--	20.4	.000
MAR 16...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	8.85	.000
APR 19...	.00	.00	.00	.00	0	.00	.00	.02	.01	.00	2.72	.000
MAY 23...	.00	.00	.00	.00	0	.00	.00	.04	.00	.00	12.0	.000
JUN 20...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	10.4	.000
JUL 14...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	10.5	.000
AUG 30...	.00	.00	.00	.02	0	.00	.00	.00	.00	.00	3.23	.000
SEP 12...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	.310	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
23...	1150	860	7.4	70	40	11.6	67	2.2	5000	28	110	60
FEB												
16...	1120	405	7.4	80	55	11.0	23	2.1	<5	<5	70	33
MAR												
16...	1025	360	7.4	60	30	8.8	41	.8	180	K4	66	19
APR												
19...	1045	488	7.5	60	15	7.3	48	1.3	K24	K2	86	31
MAY												
23...	0945	774	7.6	40	15	7.2	52	2.8	<5	K4	100	52
JUN												
20...	1000	1210	7.5	30	6	7.2	30	1.7	K10	<5	130	81
JUL												
14...	0930	1030	7.7	30	7	6.9	40	1.5	<5	--	110	57
AUG												
30...	1045	1330	7.7	30	3	7.4	39	1.1	750	--	140	70
SEP												
12...	1115	2050	7.8	30	3	8.0	140	.6	<5	<5	220	150

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
23...	20	15	130	70	5.4	5.3	61	0	50	3.9	30	220
FEB												
16...	16	7.3	49	59	2.5	3.2	45	0	37	2.9	17	82
MAR												
16...	16	6.3	39	55	2.1	3.7	57	0	47	3.6	16	62
APR												
19...	19	9.4	58	58	2.7	4.0	67	0	55	3.4	21	98
MAY												
23...	18	14	110	69	4.7	5.7	62	0	51	2.5	27	180
JUN												
20...	20	19	190	75	7.3	7.2	58	0	48	2.9	40	310
JUL												
14...	19	15	160	75	6.7	6.1	64	0	53	2.0	29	270
AUG												
30...	27	17	210	76	7.8	6.6	82	0	67	2.6	34	350
SEP												
12...	32	35	320	75	9.4	14	85	0	70	2.2	82	560

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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)
JAN 23...	106	<1.0	.46	.02	.48	1.2	.19	2	1	1	0	0
FEB 16...	110	<1.0	.36	.04	.40	.23	.22	2	1	1	10	0
MAR 16...	17	<1.0	.43	.04	.47	.99	.23	1	1	0	0	0
APR 19...	27	<1.0	.31	.02	.33	.73	.12	2	1	1	0	0
MAY 23...	4	<1.0	.03	.02	.05	.69	.08	1	0	1	10	0
JUN 20...	32	<1.0	.02	.01	.03	.67	.08	3	0	3	6	6
JUL 14...	2	<1.0	.00	.01	.01	.64	.09	3	0	3	0	0
AUG 30...	7	<1.0	.07	.01	.08	.82	.09	3	0	3	0	0
SEP 12...	7	<1.0	.01	.01	.02	.97	.07	2	0	2	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)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
JAN 23...	0	5	0	5	10	0	9	4	5	180	11	10
FEB 16...	10	0	0	0	0	0	16	7	9	160	5	5
MAR 16...	0	1	0	1	10	0	8	2	6	230	6	2
APR 19...	0	0	0	0	0	0	6	2	4	80	4	3
MAY 23...	10	2	0	2	0	0	5	2	3	50	4	2
JUN 20...	0	0	0	0	0	0	4	2	2	50	2	2
JUL 14...	0	1	0	1	0	0	5	2	3	30	2	2
AUG 30...	0	0	0	0	0	0	5	3	2	30	1	1
SEP 12...	0	1	1	0	10	0	3	0	3	20	2	2

DATE	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)
JAN 23...	1	.0	.0	.0	9	7	2	1	1	0	--
FEB 16...	0	.0	.0	.0	8	8	0	0	0	0	--
MAR 16...	4	.0	.0	.0	0	0	0	0	0	0	1.0
APR 19...	1	.0	.0	.0	5	5	0	0	0	0	.0
MAY 23...	2	.0	.0	.0	0	0	0	0	0	0	--
JUN 20...	0	.0	.0	.0	5	3	2	0	0	0	--
JUL 14...	0	.0	.0	.0	6	2	4	0	0	0	--
AUG 30...	0	.0	.0	.0	0	0	0	0	0	0	--
SEP 12...	0	.0	.0	.0	3	3	0	0	0	0	--

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 23...	30	10	20	17	.00	4	0	.0	.00	.00	.0	.00
FEB 16...	20	10	10	10	.00	8	0	.0	.00	.00	.0	.00
MAR 16...	10	0	10	8.7	.00	2	0	.0	.00	.00	.0	.00
APR 19...	10	10	0	11	.00	0	0	.0	.00	.00	.0	.00
MAY 23...	10	0	10	12	.00	3	0	.0	.00	.00	.0	.00
JUN 20...	10	0	10	8.9	.00	2	0	.0	.00	.00	.0	.00
JUL 14...	10	0	10	9.5	.00	1	0	.0	.00	.00	.0	.00
AUG 30...	10	0	10	10	.00	2	0	.0	.00	.00	.0	.00
SEP 12...	0	0	0	11	.00	2	0	.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)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 23...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB 16...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR 16...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR 19...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY 23...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN 20...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 14...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
AUG 30...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP 12...	.00	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 23...	.00	.00	.00	.00	0	.00	.00	.00	.00	.01	1.97	.000
FEB 16...	.00	.00	.00	.00	0	.00	.00	.02	.00	.01	3.50	.000
MAR 16...	.00	.00	.00	.00	0	.00	.00	--	--	--	.000	.000
APR 19...	.00	.00	.00	.00	0	.00	.00	.08	.00	.25	2.91	.000
MAY 23...	.00	.00	.00	.00	0	.00	.00	.08	.01	.25	15.7	.000
JUN 20...	.00	.00	.00	.00	0	.00	.00	.02	.00	.07	5.83	.000
JUL 14...	.00	.00	.00	.00	0	.00	.00	.03	.01	.12	10.5	.000
AUG 30...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	4.98	.000
SEP 12...	.00	.00	.00	.00	0	.00	.00	.02	.01	.03	.000	.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, water temperatures and suspended-sediment loads for the water year 1978 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--21 years, 251 ft^3/s (7.108 m^3/s), 181,800 acre-ft/yr (224 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	256	172	247	176	287	321	219	298	216	217	215
2	261	239	190	238	163	274	377	243	285	216	217	215
3	261	204	146	227	207	285	394	214	287	216	217	215
4	261	203	147	211	176	285	403	215	276	216	217	215
5	225	237	168	142	150	268	412	229	278	217	217	215
6	203	258	234	162	158	231	415	229	268	216	217	215
7	203	261	261	170	189	199	424	247	261	236	217	215
8	203	261	268	155	178	201	424	222	258	287	217	215
9	204	233	282	154	190	197	424	215	245	291	216	215
10	204	205	249	146	193	197	290	228	234	252	216	216
11	212	205	254	134	186	197	143	256	228	217	216	215
12	207	205	261	178	174	189	215	256	217	216	216	212
13	205	205	279	211	168	194	219	258	214	216	216	215
14	205	208	285	209	180	199	217	260	212	216	216	215
15	205	212	290	207	146	199	216	261	222	215	216	219
16	205	220	295	205	151	205	278	268	217	213	215	206
17	203	222	303	205	154	211	384	274	222	217	215	215
18	203	223	292	221	138	222	388	291	221	217	215	215
19	208	220	292	186	122	236	364	281	221	211	215	215
20	208	213	287	172	116	252	371	274	221	217	215	215
21	225	220	279	176	116	268	330	274	219	217	215	215
22	261	218	276	174	116	298	281	274	219	219	215	215
23	261	233	276	184	163	261	268	287	217	221	215	215
24	267	247	266	155	243	261	258	293	217	217	215	215
25	230	242	261	117	287	274	250	293	217	219	215	215
26	203	223	257	117	290	298	241	291	217	219	215	215
27	198	212	252	118	290	279	234	278	216	221	215	215
28	201	191	252	116	290	238	209	272	216	221	215	215
29	231	180	263	117	---	254	211	291	216	219	215	260
30	253	170	268	147	---	274	214	289	216	219	215	431
31	253	---	257	189	---	287	---	291	---	217	215	---
TOTAL	6928	6626	7862	5390	5110	7520	9175	8073	7055	6927	6688	6704
MEAN	223	221	254	174	183	243	306	260	235	223	216	223
MAX	267	261	303	247	290	298	424	293	298	291	217	431
MIN	198	170	146	116	116	189	143	214	212	211	215	206
AC-FT	13740	13140	15590	10690	10140	14920	18200	16010	13990	13740	13270	13300

CAL YR 1977 TOTAL 81915 MEAN 224 MAX 389 MIN 144 AC-FT 162500
WTR YR 1978 TOTAL 84058 MEAN 230 MAX 431 MIN 116 AC-FT 166700

07380400 BAYOU LAFOURCHE AT DONALDSONVILLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.76	8.74	7.87	8.61	8.28	8.77	8.88	8.37	8.77	8.34	8.36	---
2	8.77	8.62	8.35	8.57	8.21	8.72	9.03	8.50	8.71	8.34	8.35	---
3	8.77	8.35	8.13	8.52	8.43	8.76	9.07	8.26	8.72	8.34	8.35	---
4	8.77	8.34	8.14	8.45	8.28	8.76	9.09	8.32	8.67	8.34	8.35	---
5	8.51	8.59	8.23	8.09	8.15	8.69	9.11	8.43	8.68	8.36	8.35	---
6	8.34	8.75	8.55	8.21	8.19	8.53	9.12	8.43	8.63	8.34	8.35	---
7	8.34	8.77	8.67	8.25	8.34	8.38	9.14	8.52	8.60	8.45	8.36	8.32
8	8.34	8.78	8.70	8.17	8.29	8.40	9.14	8.39	8.58	8.72	8.35	8.32
9	8.35	8.57	8.75	8.17	8.35	8.38	9.14	8.31	8.51	8.74	8.34	8.32
10	8.35	8.36	8.62	8.13	8.36	8.38	8.77	8.42	8.45	8.55	8.33	8.33
11	8.41	8.36	8.64	8.07	8.33	8.38	8.05	8.57	8.42	8.35	8.33	8.32
12	8.37	8.36	8.67	8.28	8.27	8.34	8.32	8.57	8.35	8.34	8.33	8.20
13	8.36	8.36	8.74	8.45	8.25	8.37	8.37	8.58	8.28	8.34	8.33	8.32
14	8.36	8.38	8.76	8.44	8.29	8.39	8.35	8.59	8.23	8.34	8.33	8.32
15	8.36	8.41	8.78	8.43	8.12	8.39	8.34	8.60	8.38	8.32	8.33	8.37
16	8.36	8.47	8.80	8.42	8.15	8.42	8.67	8.63	8.35	8.23	8.32	8.00
17	8.34	8.49	8.83	8.42	8.17	8.45	9.05	8.66	8.39	8.36	---	8.31
18	8.34	8.50	8.79	8.49	8.09	8.50	9.07	8.74	8.38	8.36	---	8.31
19	8.38	8.47	8.79	8.32	8.01	8.56	9.00	8.69	8.38	8.16	---	8.31
20	8.38	8.42	8.77	8.26	7.97	8.63	9.02	8.66	8.38	8.36	---	8.32
21	8.51	8.47	8.74	8.27	7.96	8.70	8.89	8.66	8.37	8.36	---	8.32
22	8.77	8.46	8.73	8.27	7.94	8.81	8.69	8.66	8.37	8.37	---	8.32
23	8.78	8.57	8.73	8.32	8.21	8.67	8.63	8.72	8.36	8.38	---	8.32
24	8.82	8.67	8.69	8.17	8.59	8.67	8.58	8.74	8.35	8.36	---	8.32
25	8.55	8.64	8.67	7.70	8.77	8.72	8.54	8.75	8.35	8.37	---	8.32
26	8.34	8.50	8.65	7.67	8.78	8.81	8.49	8.74	8.35	8.37	---	8.32
27	8.21	8.41	8.63	7.99	8.78	8.73	8.45	8.68	8.34	8.38	---	8.32
28	8.33	7.99	8.63	7.93	8.78	8.57	8.12	8.65	8.34	8.38	---	8.32
29	8.56	7.65	8.68	7.89	---	8.64	8.18	8.74	8.33	8.37	---	8.58
30	8.72	7.34	8.70	8.13	---	8.71	8.28	8.73	8.34	8.37	---	9.19
31	8.72	---	8.65	8.34	---	8.77	---	8.74	---	8.35	---	---
MEAN	8.49	8.43	8.62	8.24	8.30	8.58	8.72	8.58	8.45	8.38	---	---
MAX	8.82	8.78	8.83	8.61	8.78	8.81	9.14	8.75	8.77	8.74	8.36	9.19
MIN	8.21	7.34	7.87	7.67	7.94	8.34	8.05	8.26	8.23	8.16	---	

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 1978 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, 6.82 ft (2.079 m) Jan. 24; minimum, 4.85 ft (1.478 m) Dec. 6.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.38	5.22	5.70	5.59	5.33	5.51	5.44	5.16	5.60	5.18	5.26	5.26
2	5.42	5.82	5.29	5.53	5.47	5.50	5.50	5.22	5.69	5.27	5.22	5.25
3	5.46	5.51	5.13	5.48	5.39	5.57	5.57	5.34	5.56	5.21	5.18	5.24
4	5.44	5.27	4.94	5.43	5.35	5.50	5.61	5.42	5.56	5.18	5.18	5.23
5	5.45	5.11	4.89	5.40	5.26	5.49	5.61	5.28	5.57	5.17	5.18	5.21
6	5.34	5.15	4.89	5.19	5.16	5.47	5.61	5.27	5.53	5.29	5.22	5.18
7	5.25	5.24	5.06	5.15	5.18	5.46	5.63	5.67	5.44	5.29	5.49	5.18
8	5.27	5.27	5.20	5.89	5.20	5.87	5.64	6.33	5.83	5.25	5.35	5.21
9	5.34	5.40	5.28	5.50	5.21	5.55	5.68	5.81	5.49	5.36	5.29	5.22
10	5.30	5.20	5.29	5.26	5.22	5.40	5.70	5.60	5.36	5.39	5.26	5.25
11	5.44	5.07	5.26	5.11	5.22	5.32	5.66	5.42	5.41	5.31	5.24	5.24
12	5.54	5.01	5.25	5.24	5.24	5.31	5.61	5.41	5.36	5.22	5.32	5.23
13	5.33	4.97	5.27	5.30	5.29	5.27	5.89	5.35	5.27	5.17	5.30	5.20
14	5.25	5.01	5.67	5.30	5.21	5.34	5.57	5.32	5.19	5.19	5.28	5.21
15	5.17	5.05	5.52	5.27	5.20	5.33	5.41	5.35	5.10	5.18	5.34	5.20
16	5.15	5.07	5.47	5.25	5.13	5.35	5.36	5.36	5.17	5.20	5.28	5.28
17	5.13	5.11	5.56	5.55	5.12	5.34	5.57	5.45	5.18	5.14	5.19	5.19
18	5.02	5.14	5.60	5.37	5.19	5.37	5.69	5.58	5.22	5.16	5.22	5.20
19	4.98	5.18	5.57	5.61	5.11	5.40	5.72	5.55	5.22	5.18	4.94	5.19
20	5.00	5.27	5.58	5.37	5.04	5.44	5.70	5.47	5.20	5.16	5.04	5.17
21	5.00	5.26	5.61	5.25	5.02	5.49	5.63	5.47	5.20	5.22	5.13	5.15
22	5.10	5.61	5.58	5.21	4.95	5.53	5.49	5.48	5.20	5.23	5.09	5.15
23	5.20	5.34	5.58	5.32	4.98	5.60	5.45	5.50	5.20	5.35	5.12	5.16
24	5.26	5.24	5.59	5.67	5.08	5.67	5.40	5.52	5.17	5.29	5.09	5.15
25	5.37	5.23	5.59	6.66	5.31	5.67	5.38	5.50	5.17	5.23	5.06	5.14
26	5.24	5.25	5.57	5.90	5.45	5.65	5.33	5.52	5.17	5.21	5.06	5.14
27	5.07	5.16	5.57	5.39	5.48	5.66	5.30	5.55	5.22	5.39	5.09	5.20
28	4.95	6.20	5.55	5.15	5.56	5.60	5.28	5.55	5.19	5.37	5.10	5.35
29	4.94	5.64	5.55	5.02	---	5.40	5.09	5.57	5.15	5.27	5.59	5.26
30	5.07	6.16	5.96	4.94	---	5.39	5.15	5.58	5.22	5.22	5.61	5.33
31	5.19	---	5.69	5.13	---	5.41	---	5.60	---	5.21	5.33	---
MEAN	5.23	5.31	5.43	5.40	5.23	5.48	5.52	5.49	5.33	5.24	5.23	5.21
MAX	5.54	6.20	5.96	6.66	5.56	5.87	5.89	6.33	5.83	5.39	5.61	5.35
MIN	4.94	4.97	4.89	4.94	4.95	5.27	5.09	5.16	5.10	5.14	4.94	5.14

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, 2.71 ft (0.826 m) Aug. 29; minimum, 0.21 ft (0.064 m) Feb. 24.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.19	1.74	2.31	1.69	1.14	1.34	.74	1.70	1.77	1.37	1.48	2.20
2	2.24	2.30	2.09	1.51	1.39	1.29	.97	1.86	1.81	1.40	1.44	2.02
3	2.15	2.20	1.90	1.16	1.27	1.71	1.24	1.96	1.91	1.41	1.34	1.82
4	1.84	2.08	1.83	1.17	1.18	1.32	1.43	2.29	2.02	1.39	1.16	1.66
5	1.81	1.86	1.89	1.24	1.14	.94	1.41	2.07	1.98	1.33	1.19	1.52
6	1.82	1.64	1.85	1.39	1.04	1.03	1.52	2.01	1.98	1.27	1.24	1.60
7	1.84	1.61	1.38	1.49	1.03	1.43	1.52	2.09	1.99	1.31	1.18	1.72
8	1.99	1.68	1.44	1.89	1.14	1.74	1.34	2.30	2.19	1.21	1.30	1.86
9	2.15	2.04	1.71	1.72	1.08	1.44	1.40	2.37	2.19	1.24	1.68	1.87
10	1.98	1.88	1.46	1.32	.98	1.00	1.60	2.30	2.02	1.27	1.76	1.98
11	2.35	1.34	1.27	1.18	.90	.90	1.73	2.16	1.87	1.32	1.64	1.93
12	2.17	1.20	1.27	1.37	1.15	1.09	1.61	2.17	1.80	1.31	1.54	1.90
13	1.66	1.18	1.38	1.52	1.54	1.24	1.74	2.13	1.54	1.32	1.49	1.98
14	1.46	1.16	1.65	1.08	1.37	1.56	1.54	1.94	1.38	1.29	1.47	1.95
15	1.43	1.26	1.64	.69	1.09	1.47	1.49	1.66	1.33	1.23	1.36	1.95
16	1.44	1.42	1.61	.79	1.04	1.41	1.54	1.48	1.51	1.23	1.33	1.88
17	1.34	1.57	1.67	1.39	1.12	.77	1.64	1.60	1.72	1.24	1.32	1.85
18	1.29	1.62	1.56	1.15	1.39	.39	1.76	1.81	1.86	1.24	1.35	2.04
19	1.27	1.71	1.50	1.65	.98	.50	1.71	1.91	1.84	1.37	1.40	2.11
20	1.29	1.98	1.62	1.31	.89	.74	1.47	1.77	1.84	1.39	1.45	2.09
21	1.31	2.09	1.14	1.01	.96	1.09	1.28	1.64	1.84	1.44	1.29	2.11
22	1.40	2.19	.74	.89	.51	1.01	1.40	1.67	1.83	1.67	1.36	2.07
23	1.60	2.03	.86	.91	.40	1.05	1.66	1.70	1.78	1.76	1.38	2.00
24	1.88	1.95	1.08	1.20	.27	1.28	1.76	1.74	1.73	1.84	1.48	1.87
25	2.04	1.88	1.33	2.32	.53	1.34	1.71	1.83	1.58	1.81	1.61	1.64
26	1.79	1.70	1.14	2.27	.85	.97	1.60	1.82	1.47	1.71	1.70	1.69
27	1.67	1.64	1.02	1.94	.87	.74	1.18	1.75	1.45	1.64	1.88	1.88
28	1.49	2.09	1.02	1.19	1.20	.65	1.16	1.79	1.38	1.68	2.14	1.91
29	1.49	2.10	1.10	1.32	---	.72	1.27	1.84	1.31	1.54	2.45	1.97
30	1.55	2.34	1.86	1.14	---	.71	1.51	1.82	1.31	1.54	2.60	1.99
31	1.59	---	1.85	1.24	---	.72	---	1.79	---	1.48	2.45	---
MEAN	1.73	1.78	1.49	1.36	1.02	1.08	1.46	1.90	1.74	1.43	1.56	1.90
MAX	2.35	2.34	2.31	2.32	1.54	1.74	1.76	2.37	2.19	1.84	2.60	2.20
MIN	1.27	1.16	.74	.69	.27	.39	.74	1.48	1.31	1.21	1.16	1.52

07381225 BAYOU LAFOURCHE (ABOVE INTRACOASTAL WATERWAY) NEAR LAROSE, LA

LOCATION.--Lat 29°34'30", long 90°23'40", in lot 46, T.17 S., R.20 E., Lafourche Parish, Hydrologic Unit 08090301, at highway bridge connecting State Highways 1 and 308, 0.4 mi (0.6 km) northwest of Larose, and 0.6 mi (1.0 km) upstream from Intracoastal Waterway.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to current year (discontinued).

INSTRUMENTATION.--Water-quality monitor since October 1973. Sensor is installed 3 ft (0.9 m) from stream bottom.

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets and some flow from Company Canal, entering at Lockport. Reverse flow at times of high tide.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 8,630 micromhos Apr. 7, 1977; minimum, 126 micromhos May 18, 1976.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,040 micromhos Oct. 23, 24; minimum daily, 159 micromhos Jan. 27.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	472	386	259	221	378	344	256	221	557	399
2	---	---	522	351	290	211	404	342	285	241	490	412
3	---	---	429	352	296	277	479	357	295	260	466	352
4	---	---	431	382	329	289	433	336	304	263	462	387
5	457	414	452	383	329	289	395	363	315	291	423	378
6	465	407	402	384	364	315	414	383	363	303	471	391
7	442	380	408	386	346	285	405	381	366	314	471	388
8	413	384	408	367	319	306	488	374	355	307	489	385
9	394	372	378	330	318	305	394	342	352	292	424	375
10	407	378	513	367	409	310	402	323	378	288	393	345
11	399	369	505	401	355	326	404	334	303	291	406	382
12	494	401	460	415	364	346	399	327	292	247	409	366
13	489	393	453	433	436	346	419	339	399	255	401	369
14	502	414	483	332	428	331	400	328	378	301	421	370
15	450	414	358	288	413	345	352	335	317	297	469	373
16	435	420	311	276	370	328	357	341	322	302	468	420
17	442	421	284	260	372	329	475	338	350	323	454	396
18	502	443	365	258	433	350	395	363	480	335	431	402
19	445	421	752	362	368	336	397	291	397	348	408	395
20	437	424	633	463	394	319	334	276	382	350	411	408
21	443	420	625	458	385	323	378	318	411	353	474	409
22	459	413	558	277	362	331	371	304	378	349	508	448
23	1040	432	351	275	338	333	386	313	400	356	513	488
24	1040	605	302	227	360	340	424	319	426	367	496	452
25	667	515	283	251	355	343	329	226	377	352	472	450
26	519	407	388	275	484	350	224	193	395	342	480	451
27	475	433	381	272	509	355	191	159	397	375	450	435
28	461	416	278	220	370	340	188	174	448	366	456	434
29	453	404	414	241	417	329	215	188	---	---	441	407
30	470	413	316	243	421	351	203	192	---	---	420	408
31	473	418	---	---	376	339	273	197	---	---	429	412
MONTH	1040	369	752	220	509	211	488	159	480	221	557	345

07381225 BAYOU LAFOURCHE (ABOVE INTRACOASTAL WATERWAY) NEAR LAROSE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	444	419	368	354	---	---	401	362	---	---		
2	439	420	366	352	334	307	418	398	---	---		
3	429	416	381	347	317	302	421	377	---	---		
4	429	415	498	350	409	317	416	338	381	339		
5	477	422	366	341	358	321	403	357	380	354		
6	521	474	535	348	333	302	402	379	385	366		
7	520	444	701	511	322	264	388	347	---	---		
8	447	418	676	431	328	250	373	320	---	---		
9	418	374	444	296	314	275	353	309	---	---		
10	375	358	548	280	321	306	374	349	---	---		
11	353	335	539	286	401	316	373	356	---	---		
12	337	308	286	190	459	328	440	362	---	---		
13	334	309	226	164	331	308	496	359	---	---		
14	337	289	225	178	350	315	477	377	---	---		
15	334	295	306	225	354	342	410	374	---	---		
16	364	301	---	---	350	319	420	398	---	---		
17	344	332	---	---	335	326	413	404	---	---		
18	331	318	---	---	333	324	405	330	---	---		
19	327	296	---	---	328	323	521	342	---	---		
20	330	307	---	---	326	316	417	324	---	---		
21	329	321	---	---	323	294	390	362	---	---		
22	334	320	---	---	326	304	416	355	---	---		
23	333	321	---	---	351	326	446	387	---	---		
24	456	328	---	---	395	350	475	396	---	---		
25	393	351	---	---	411	378	403	390	---	---		
26	357	337	---	---	399	372	393	322	---	---		
27	355	340	---	---	385	371	361	334	---	---		
28	358	351	---	---	390	370	356	343	---	---		
29	364	352	---	---	397	385	470	350	---	---		
30	369	360	---	---	399	358	423	365	---	---		
31	---	---	---	---	---	---	---	---	---	---		
MONTH	521	289	701	164	459	250	521	309	385	339		

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 for several days in June and July; minimum daily, 6.0°C Jan. 20, 21, 22, 23.
CHLORIDE: Maximum daily, 3,600 mg/L Aug. 29; minimum daily, 25 mg/L June 17.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
28...	1255	473	8.1	10	40	7.8	45	3.5	--	--	140	26
NOV												
16...	1155	433	7.9	70	80	7.4	84	3.2	2800	K160	120	26
DEC												
15...	1355	290	7.2	100	40	7.8	64	3.9	5000	K300	85	11
JAN												
23...	1135	329	7.4	55	85	9.7	59	2.0	7000	K2500	100	30
FEB												
16...	1030	300	7.5	80	80	9.5	28	2.5	1200	K380	92	26
MAR												
16...	1005	442	7.6	30	45	8.2	34	3.0	K3600	42	130	37
APR												
19...	1035	326	7.5	40	35	8.1	41	4.8	K100	72	120	36
MAY												
23...	0940	395	8.0	10	20	5.3	21	2.7	K400	<5	153	38
JUN												
20...	0945	321	7.7	40	40	6.1	30	2.1	K180	140	100	17
JUL												
14...	0915	610	7.7	50	60	5.3	37	1.1	500	K310	150	57
AUG												
30...	1030	1400	7.4	30	25	6.5	39	2.1	K8400	K420	220	120
SEP												
12...	1100	1510	7.4	50	40	5.4	43	3.2	420	220	180	95

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
28...	35	12	--	--	--	--	139	0	114	1.8	43	71
NOV												
16...	30	11	--	--	--	--	114	0	94	2.3	54	55
DEC												
15...	22	7.2	22	35	1.0	3.4	90	0	74	9.1	14	34
JAN												
23...	27	8.5	22	31	.9	3.1	85	0	70	5.4	30	35
FEB												
16...	24	7.8	24	35	1.1	2.8	81	0	66	4.1	22	39
MAR												
16...	35	11	42	40	1.6	3.6	113	0	93	4.5	38	62
APR												
19...	32	10	20	26	.8	3.8	103	0	84	5.2	35	31
MAY												
23...	43	11	24	25	.8	3.8	140	0	115	2.2	44	30
JUN												
20...	26	8.7	28	37	1.2	3.0	102	0	84	3.3	17	41
JUL												
14...	35	16	81	53	2.8	4.8	117	0	96	3.7	43	140
AUG												
30...	39	29	210	67	6.2	9.9	113	0	93	7.2	69	380
SEP												
12...	36	23	170	65	5.4	8.4	109	0	89	6.9	53	300

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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												
28...	118	<1.0	.35	.01	.36	.73	.19	3	2	1	10	10
NOV												
16...	262	<1.0	.41	.02	.43	.85	.34	4	3	1	0	0
DEC												
15...	272	<1.0	.27	.01	.28	1.1	.41	3	2	1	0	0
JAN												
23...	326	<1.0	.46	.03	.49	.20	.37	4	3	1	0	0
FEB												
16...	148	<1.0	.43	.04	.47	.99	.21	3	2	1	0	0
MAR												
16...	52	<1.0	.50	.03	.53	.54	.21	2	0	2	0	0
APR												
19...	38	<1.0	.85	.05	.90	.73	.16	2	0	2	0	0
MAY												
23...	21	<1.0	.89	.05	.94	.34	.09	2	0	2	0	0
JUN												
20...	54	<1.0	.19	.01	.20	.47	.14	2	1	1	0	0
JUL												
14...	57	<1.0	.53	.01	.54	.78	.12	4	3	1	10	10
AUG												
30...	54	<1.0	.49	.01	.50	.84	.15	3	0	3	10	10
SEP												
12...	78	<1.0	.26	.01	.27	.86	.18	3	2	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT												
28...	0	<10	<10	0	10	0	<10	<5	5	20	<100	<100
NOV												
16...	0	0	0	0	4	0	8	7	1	90	10	9
DEC												
15...	0	0	0	0	0	0	11	9	2	150	11	11
JAN												
23...	0	1	0	1	20	0	31	23	8	60	13	13
FEB												
16...	0	1	0	1	10	0	22	14	8	150	5	4
MAR												
16...	0	1	0	1	10	0	9	0	9	70	3	0
APR												
19...	0	0	0	0	0	0	9	3	6	30	4	3
MAY												
23...	0	0	0	0	0	0	5	1	4	10	3	3
JUN												
20...	0	0	0	0	0	0	7	2	5	90	3	3
JUL												
14...	0	2	1	1	0	0	8	2	6	40	9	4
AUG												
30...	0	1	1	0	0	4	14	4	10	40	7	7
SEP												
12...	0	0	0	0	0	0	5	0	5	30	6	6

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 28...	0	.0	.0	.0	<50	<48	2	0	0	0	1.3
NOV 16...	1	.0	.0	.0	14	11	3	0	0	0	.0
DEC 15...	0	.0	.0	.0	16	15	1	0	0	0	.0
JAN 23...	0	.0	.0	.0	22	18	4	0	0	0	.0
FEB 16...	1	.0	.0	.0	5	4	1	0	0	0	1.0
MAR 16...	3	.0	.0	.0	6	2	4	0	0	0	1.0
APR 19...	1	.0	.0	.0	7	7	0	0	0	0	.0
MAY 23...	0	.0	.0	.0	3	3	0	0	0	0	1.0
JUN 20...	0	.0	.0	.0	3	3	0	0	0	0	.0
JUL 14...	5	.2	.2	.0	8	3	5	0	0	0	.4
AUG 30...	0	.0	.0	.0	4	3	1	0	0	0	--
SEP 12...	0	.0	.0	.0	5	3	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 (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 28...	20	0	20	7.5	.00	2	0	.0	.00	.000	.0	.000
NOV 16...	40	30	10	14	.00	2	0	.0	.00	.000	.0	.000
DEC 15...	50	40	10	16	.00	4	0	.0	.00	.000	.0	.000
JAN 23...	60	50	10	15	.00	4	0	.0	.00	.000	.0	.000
FEB 16...	30	20	10	10	.00	2	0	.0	.00	.000	.0	.000
MAR 16...	20	10	10	7.9	.00	0	0	.0	.00	.000	.0	.000
APR 19...	10	0	10	13	.00	0	0	.0	.00	.000	.0	.000
MAY 23...	20	10	10	7.7	.00	3	0	.0	.00	.000	.0	.000
JUN 20...	20	10	10	9.5	.00	3	0	.0	.00	.000	.0	.000
JUL 14...	20	0	20	9.8	.00	3	0	.0	.00	.000	.0	.000
AUG 30...	20	10	10	11	.00	2	0	.0	.00	.000	.0	.000
SEP 12...	10	10	0	19	.00	2	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 28...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
NOV 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC 15...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 23...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.000	.000	.01	.000	.000	.000	.00	.000	.001	.001	.00	.00
APR 19...	.000	.000	.02	.001	.000	.000	.00	.000	.001	.000	.00	.00
MAY 23...	.000	.001	.02	.002	.000	.000	.00	.000	.000	.000	.00	.00
JUN 20...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUL 14...	.003	.000	.02	.000	.001	.000	.00	.000	.000	.001	.00	.00
AUG 30...	.000	.000	.02	.001	--	.000	.00	.000	.000	.001	.00	.00
SEP 12...	.000	.000	.01	.001	--	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 28...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.03	16.6	7.50
NOV 16...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	9.10	2.30
DEC 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.01	.000	.000
JAN 23...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.01	2.50	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	7.00	.000
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	24.7	4.01
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.08	.03	3.1	61.2	8.45
MAY 23...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.17	44.4	.000
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.07	39.0	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.03	13.5	.000
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.11	.00	.04	18.5	.000
SEP 12...	.00	.00	.01	.00	0.0	.00	.00	.00	.00	.03	6.80	.000

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	22.5	18.0	11.5	8.0	15.0	19.5	23.0	28.0	30.0	29.0	28.0
2	30.0	22.5	18.0	12.0	9.0	15.0	19.5	24.0	29.0	30.0	30.0	28.0
3	27.0	21.0	18.0	10.5	8.0	16.0	20.5	24.0	29.0	30.0	---	28.0
4	24.0	20.0	18.0	10.0	8.0	13.0	21.0	24.0	29.0	30.0	30.0	29.0
5	25.0	19.0	20.0	11.0	8.0	13.5	22.0	24.0	27.0	31.0	30.0	29.0
6	25.0	20.0	19.0	13.0	8.0	13.0	22.5	---	28.0	31.0	---	29.0
7	25.0	21.0	16.0	13.0	8.0	14.5	23.0	24.0	28.0	30.0	29.0	29.0
8	26.0	21.0	15.5	11.5	7.0	15.0	23.0	24.0	28.0	30.0	29.0	28.0
9	25.5	19.0	17.0	11.5	7.0	14.0	23.0	25.0	29.0	30.0	28.0	28.0
10	24.5	17.5	12.0	10.0	7.0	12.0	23.5	24.0	29.0	30.0	28.0	28.0
11	24.5	17.0	13.0	10.0	7.0	12.5	23.5	25.0	29.0	30.0	28.0	28.0
12	23.0	16.0	12.0	10.0	7.0	12.5	20.0	25.0	29.0	30.0	28.0	28.0
13	21.0	16.0	13.5	9.5	9.0	16.0	20.0	25.0	30.0	30.0	29.0	28.5
14	20.0	16.0	14.0	9.0	10.0	17.0	22.0	26.0	30.0	30.0	29.0	28.5
15	19.0	16.0	14.0	9.0	10.0	17.5	20.0	26.0	30.0	31.0	29.0	28.5
16	19.0	18.0	14.0	9.0	10.0	18.0	20.5	26.0	30.0	31.0	29.0	28.5
17	19.0	19.0	15.0	10.0	11.0	17.5	22.0	26.0	30.0	31.0	29.0	28.5
18	19.0	18.0	18.0	8.0	11.0	17.0	24.0	26.0	30.0	31.0	29.0	29.0
19	20.0	18.0	18.5	8.0	11.0	---	24.0	27.0	30.0	31.0	29.0	29.0
20	21.0	18.5	16.0	6.0	9.0	18.0	23.5	27.0	30.0	30.0	29.0	29.5
21	21.0	20.5	12.0	6.0	9.0	18.5	23.0	27.0	30.0	30.0	29.0	29.0
22	21.5	20.0	11.5	6.0	9.0	18.5	23.0	27.0	30.0	29.0	30.0	29.0
23	21.5	20.0	11.0	6.0	9.0	19.0	23.0	27.0	30.0	29.0	30.0	29.0
24	22.0	20.0	14.0	8.5	---	19.0	23.5	28.0	30.0	29.0	30.0	28.5
25	23.0	20.0	14.0	12.0	11.0	---	24.0	28.0	31.0	28.0	30.0	28.5
26	22.0	18.0	12.0	10.0	11.0	19.0	---	28.0	31.0	28.0	30.0	28.5
27	22.0	18.0	11.0	9.0	12.0	17.0	22.0	24.0	30.0	28.0	30.0	28.0
28	22.0	19.0	11.0	9.0	14.0	18.0	22.0	29.0	30.0	28.0	30.0	28.0
29	23.0	20.0	11.0	9.0	---	18.0	22.0	29.0	30.0	28.0	28.0	27.5
30	22.0	20.0	11.0	8.5	---	19.0	22.0	29.0	31.0	28.0	28.0	27.0
31	22.0	---	11.0	8.0	---	19.0	---	28.0	---	31.0	28.0	---
MONTH	23.0	19.0	14.5	9.5	9.0	16.5	22.0	26.0	29.5	30.0	29.0	28.5

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	66	60	40	61	140	48	39	28	41	50	520
2	140	350	48	55	32	82	49	62	36	42	45	300
3	180	88	48	55	38	48	50	89	3c	63	---	300
4	180	68	50	53	42	58	42	120	3u	53	52	100
5	260	60	46	65	33	40	40	100	34	54	47	85
6	98	52	44	46	34	49	40	---	3u	50	50	96
7	72	80	56	48	34	70	54	200	31	84	57	110
8	170	64	54	46	74	40	42	220	31	63	53	130
9	350	62	70	50	36	50	38	110	35	59	54	110
10	79	64	52	46	46	48	39	---	37	44	55	110
11	81	100	110	85	44	41	33	100	4u	42	89	170
12	80	82	58	88	47	44	55	100	3u	42	86	160
13	66	68	62	44	52	64	40	100	37	52	82	190
14	72	140	70	45	42	67	42	110	36	54	54	140
15	76	60	60	41	38	79	38	70	2b	50	56	80
16	84	71	58	44	50	66	44	50	30	50	57	100
17	76	72	52	62	---	60	33	81	25	70	54	100
18	66	150	50	56	---	68	31	67	35	44	66	68
19	84	130	33	48	---	---	34	26	3c	39	49	150
20	78	140	39	36	---	74	36	39	3u	43	52	200
21	76	960	36	48	---	77	32	41	35	45	56	300
22	72	250	35	63	36	49	34	40	38	57	63	280
23	70	170	43	60	40	48	36	39	4u	49	59	220
24	260	80	53	73	---	44	30	37	38	49	62	220
25	640	76	43	63	38	44	29	37	34	57	56	440
26	200	74	43	50	33	47	---	40	3c	60	150	470
27	180	70	45	50	39	50	38	31	4u	58	150	350
28	190	70	45	35	71	48	34	31	3c	62	530	340
29	70	62	40	43	---	48	39	32	34	64	3600	320
30	52	64	55	53	---	45	38	34	3c	60	260	300
31	60	---	50	50	---	46	---	32	---	66	520	---
MONTH	140	130	52	53	44	58	39	72	34	54	220	220

YEAR MAX 3600 MIN 25 MEAN 93

292245090123200 BAYOU LAFOURCHE AT GALLIANO, LA (CE 82300)

LOCATION.--Lat 29°22'45", long 90°15'30", 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 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 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.
WATER TEMPERATURES: Maximum daily, 31.0°C June 14, 15, 16, 18, 20, 21, Aug. 27, 28; minimum daily, 9.5°C Jan. 3, 14, 15, 16.
CHLORIDE: Maximum daily, 7,100 mg/L May 2, 3; minimum daily, 27 mg/L Feb. 6.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.5	20.5	20.0	10.5	11.0	10.5	20.0	20.5	21.0	30.0	30.0	21.0
2	28.5	20.0	11.0	10.0	11.0	10.5	20.0	20.5	21.0	30.0	30.0	30.0
3	25.0	20.5	11.0	9.5	10.5	10.5	20.0	20.5	21.0	30.0	---	30.0
4	25.0	10.5	11.0	10.0	10.5	10.0	20.0	20.5	21.0	30.0	30.0	30.0
5	25.0	10.5	20.0	10.0	10.5	10.5	20.0	20.5	21.0	30.0	30.0	30.0
6	20.5	10.5	10.5	10.0	10.5	10.5	20.0	20.5	21.0	30.0	30.0	21.0
7	20.5	20.0	10.5	10.0	10.5	10.5	20.0	20.5	21.0	30.0	30.0	21.0
8	25.0	20.0	10.5	10.0	10.5	10.5	20.0	20.5	21.0	30.0	30.0	21.0
9	25.0	20.0	10.5	10.0	10.5	10.5	20.5	20.5	21.0	30.0	30.0	21.0
10	20.5	10.5	10.0	10.0	10.5	10.0	20.0	20.5	21.0	30.0	30.0	21.0
11	20.5	10.5	10.0	10.0	10.5	10.5	20.0	20.5	30.0	30.0	30.0	21.0
12	20.0	10.5	10.0	10.0	11.0	10.5	20.0	20.5	30.0	30.0	30.0	21.0
13	11.5	10.5	10.5	10.0	10.0	20.0	20.0	20.5	30.0	30.0	30.0	21.0
14	20.0	10.5	10.5	9.5	10.0	20.0	20.0	20.5	31.0	30.0	30.0	21.0
15	20.0	10.5	10.5	9.5	10.0	20.0	20.0	20.5	31.0	30.0	30.0	21.0
16	10.5	10.5	10.5	9.5	10.0	21.0	20.0	21.0	31.0	30.0	30.0	21.0
17	10.5	11.0	10.5	10.5	10.5	21.0	20.5	20.5	30.0	30.0	30.0	21.0
18	10.5	11.0	10.5	10.5	10.5	21.0	20.5	20.5	31.0	30.0	30.0	21.0
19	20.0	11.0	10.5	---	10.0	21.0	20.5	20.5	30.0	30.0	30.0	21.0
20	20.0	20.0	10.5	10.5	10.0	21.0	20.0	20.5	31.0	30.0	30.0	21.0
21	20.0	20.0	10.5	10.5	10.0	20.0	20.0	21.0	31.0	30.0	30.0	21.0
22	20.0	20.0	10.0	10.5	10.0	20.0	20.0	21.0	30.0	30.0	30.0	21.0
23	20.0	20.0	10.5	11.0	10.0	20.0	20.5	21.0	30.0	30.0	30.0	21.0
24	20.5	20.0	10.5	10.0	10.0	20.0	20.0	21.0	30.0	30.0	30.0	21.0
25	20.5	10.5	10.5	11.0	10.0	21.0	20.5	21.0	30.0	30.0	30.0	21.0
26	20.5	11.0	10.0	11.0	10.0	21.0	20.0	20.5	30.0	30.0	30.0	30.0
27	20.5	11.0	10.0	11.0	10.5	20.5	20.0	21.0	30.0	30.0	31.0	21.0
28	20.0	20.0	10.0	11.0	10.5	21.0	20.0	21.0	30.0	30.0	31.0	20.5
29	20.0	20.0	10.5	11.0	---	---	20.5	21.0	30.0	30.0	30.0	20.5
30	20.5	20.0	10.0	11.0	---	21.0	20.5	21.0	30.0	30.0	30.0	20.5
31	20.5	---	10.5	10.5	---	20.0	---	21.0	---	30.0	30.0	---
MONTH	20.5	15.0	11.0	10.5	10.5	16.5	20.0	20.5	27.0	30.0	30.0	22.5
YEAR	MAX	31.0	MIN	9.5	MEAN	19.5						

292245090123200 BAYOU LAFOURCHE AT GALLIANO, LA (CE 82300)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	610	62	38	58	3500	990	5800	150	43	56	550
2	90	4300	54	52	56	1200	1000	7100	250	36	64	520
3	190	4300	40	48	30	75	1000	7100	240	46	---	400
4	150	1600	46	43	28	100	82	5400	50	60	60	320
5	140	110	46	51	29	65	60	510	50	62	78	220
6	360	68	44	58	27	70	160	310	50	52	78	140
7	340	72	40	46	33	85	47	410	50	49	120	150
8	170	66	30	58	180	70	50	170	48	55	240	130
9	950	2000	190	66	220	65	140	160	50	60	280	460
10	320	300	190	62	77	58	91	160	45	65	220	200
11	200	170	190	45	89	50	94	200	50	85	180	180
12	250	230	200	48	110	48	89	170	45	70	200	160
13	180	75	190	---	35	85	37	140	65	62	100	160
14	65	85	180	---	35	60	38	92	55	74	100	140
15	68	61	210	---	35	46	37	55	55	70	170	80
16	92	150	90	---	40	53	46	68	55	60	160	94
17	77	900	70	50	32	60	41	210	300	64	78	95
18	83	1300	60	62	48	66	52	220	280	65	68	93
19	61	710	40	---	35	62	48	220	680	70	72	380
20	76	1400	50	68	45	63	35	100	730	72	62	240
21	170	3700	50	52	45	94	33	68	850	68	82	320
22	120	300	40	55	38	71	42	65	760	65	62	400
23	110	300	55	62	43	74	39	78	750	66	60	400
24	110	210	45	70	45	72	110	90	170	62	62	240
25	1100	210	55	42	280	170	540	90	34	390	68	---
26	1200	68	62	30	1700	59	120	60	36	56	60	350
27	260	120	58	50	700	46	50	65	38	56	4800	350
28	150	110	130	40	1800	54	5700	60	35	58	4500	710
29	160	64	140	45	---	---	5800	1000	47	76	4500	1400
30	180	64	85	35	---	46	5800	250	43	68	5500	1400
31	180	---	140	35	---	54	---	200	---	65	700	---
MONTH	250	790	93	50	210	220	750	990	200	73	760	350

YEAR MAX 7100 MIN 27 MEAN 400

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 current year (gage heights only).

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, 6.56 ft (2.000 m) Aug. 29; minimum, 3.38 ft (1.030 m) Jan. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.98	5.65	---	5.18	4.46	4.65	4.10	5.37	5.50	5.25	5.21	5.42
2	5.93	6.40	---	4.72	4.56	4.73	4.36	5.44	5.54	5.24	5.09	5.31
3	5.45	5.84	---	4.58	4.44	5.03	4.80	5.85	5.58	5.19	4.92	5.27
4	5.50	5.65	---	4.66	4.41	4.43	4.85	5.75	5.60	5.10	4.84	5.22
5	5.61	5.36	---	4.61	4.41	4.25	4.86	5.41	5.51	4.95	5.03	5.16
6	5.67	5.27	---	4.82	4.26	4.56	5.23	5.58	5.50	4.95	4.94	5.27
7	5.64	5.24	4.31	5.03	4.66	4.94	4.98	5.75	5.53	4.84	4.85	5.52
8	5.87	5.36	4.82	5.49	4.79	5.24	5.07	5.89	5.65	4.74	4.98	5.66
9	5.81	5.81	5.13	4.55	4.96	4.93	5.11	5.68	5.45	4.88	5.57	5.74
10	5.57	4.97	4.59	4.77	4.70	4.46	5.27	5.33	5.16	4.89	5.47	5.78
11	5.85	4.60	4.92	4.69	4.66	4.74	5.24	5.31	5.07	4.99	5.42	5.74
12	5.32	4.76	4.96	5.18	4.87	4.63	4.92	5.46	5.03	5.08	5.35	5.73
13	4.84	4.80	5.17	5.06	5.11	4.94	---	5.32	4.81	5.13	5.33	5.74
14	5.07	4.89	5.41	4.40	4.44	5.01	---	4.87	4.85	5.14	5.13	5.68
15	5.01	5.30	5.31	3.89	4.22	4.77	---	4.88	5.13	5.15	5.11	5.45
16	4.98	5.35	5.21	4.36	4.53	4.40	---	5.03	5.33	5.14	5.07	5.25
17	5.06	5.42	5.37	4.74	4.52	3.76	---	5.21	5.55	5.15	5.01	5.47
18	5.12	5.37	4.77	4.41	4.83	3.63	5.36	5.60	5.60	5.18	5.03	5.75
19	5.11	5.50	4.86	5.00	4.19	3.65	5.12	5.36	5.62	5.15	5.04	5.79
20	5.10	---	4.80	4.06	4.50	4.17	4.83	5.25	5.56	4.97	5.05	5.81
21	5.16	---	4.30	4.33	4.47	4.78	4.92	5.22	5.50	5.09	4.92	5.95
22	5.19	---	3.94	4.35	3.58	4.35	5.27	5.21	5.45	5.30	5.10	5.86
23	5.33	---	4.35	4.40	4.16	4.52	5.72	5.24	5.35	5.35	5.22	5.77
24	5.65	---	4.58	4.86	3.75	5.06	5.51	5.29	5.23	5.44	5.40	5.60
25	5.73	---	4.96	5.56	4.55	4.69	5.38	5.30	4.98	5.50	5.56	5.40
26	5.25	---	4.43	4.75	4.56	4.32	4.91	5.24	5.05	5.40	5.64	5.62
27	5.18	---	4.68	4.34	4.61	4.30	4.48	5.08	5.10	5.43	5.86	5.71
28	5.10	---	4.63	4.05	5.04	4.21	4.52	5.20	5.12	5.41	6.16	5.65
29	5.15	---	4.93	4.15	---	4.21	4.56	5.35	5.15	5.30	6.42	5.82
30	5.28	---	5.44	4.29	---	3.87	5.03	5.34	5.21	5.29	5.99	5.82
31	5.36	---	5.37	4.37	---	3.90	---	5.40	---	5.20	5.55	---
MEAN	5.38	---	---	4.63	4.51	4.49	---	5.36	5.32	5.16	5.30	5.60
MAX	5.98	6.40	---	5.56	5.11	5.24	5.72	5.89	5.65	5.50	6.42	5.95
MIN	4.84	---	3.94	3.89	3.58	3.63	4.10	4.87	4.81	4.74	4.84	5.16

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
23...	1230	260	7.2	50	75	9.5	51	.9	K30000	--	71	11
FEB												
16...	1145	238	7.5	50	80	9.8	35	1.9	500	K10	72	10
MAR												
16...	1135	304	7.4	70	180	7.4	54	2.6	K2400	K240	86	14
APR												
19...	1120	327	7.6	30	150	7.2	35	2.3	--	440	--	--
MAY												
23...	1020	302	7.5	60	110	4.5	44	3.5	K16	K56	100	19
JUN												
20...	1030	319	7.6	30	40	5.3	27	2.3	K120	K80	110	23
JUL												
14...	1000	380	7.7	30	35	5.5	22	2.7	K80	K48	110	21
AUG												
30...	1130	21900	7.5	15	3	6.2	320	2.6	K21000	940	2400	2300
SEP												
12...	1145	681	7.3	40	70	5.2	61	2.6	1200	K380	130	49

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
23...	18	6.3	21	38	1.1	3.2	73	0	60	7.4	10	38
FEB												
16...	20	5.4	16	32	.8	2.7	75	0	62	3.8	15	23
MAR												
16...	22	7.5	24	37	1.1	3.8	88	0	72	5.6	14	36
APR												
19...	--	--	--	--	--	--	105	0	86	4.2	27	22
MAY												
23...	26	9.1	20	29	.9	3.5	102	0	84	5.2	15	32
JUN												
20...	29	9.1	20	28	.8	29	106	0	87	4.3	21	32
JUL												
14...	30	9.3	29	35	1.2	2.9	113	0	93	3.6	23	46
AUG												
30...	170	470	4400	79	39	170	122	0	100	6.2	1000	7900
SEP												
12...	30	14	78	55	2.9	4.4	102	0	84	8.2	35	140

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

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/ HR)	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)
JAN 23...	189	<1.0	.15	.02	.17	.55	.24	2	1	1	0	0
FEB 16...	188	<1.0	.42	.04	.46	.66	.20	3	1	2	0	0
MAR 16...	240	<1.0	.15	.03	.18	.70	.37	4	3	1	0	0
APR 19...	140	<1.0	.90	.05	.95	.68	.22	2	--	--	0	--
MAY 23...	148	<1.0	.14	.02	.16	1.1	.19	3	1	2	0	0
JUN 20...	49	<1.0	.57	.01	.58	.57	.13	5	0	5	0	0
JUL 14...	36	<1.0	.28	.01	.29	.61	.11	4	1	3	0	0
AUG 30...	22	<1.0	.10	.01	.11	.95	.13	3	1	2	0	0
SEP 12...	89	<1.0	.30	.02	.32	.95	.16	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
JAN 23...	0	1	0	1	20	0	31	29	2	80	6	6
FEB 16...	0	0	0	0	0	0	11	8	3	160	8	8
MAR 16...	0	1	0	1	10	0	10	0	10	170	4	1
APR 19...	--	1	--	--	0	--	14	--	--	--	10	--
MAY 23...	0	0	0	0	10	0	8	4	4	50	5	5
JUN 20...	0	1	0	1	10	0	6	3	3	50	4	4
JUL 14...	0	1	0	1	0	0	6	3	3	20	8	4
AUG 30...	0	0	0	0	20	0	4	2	2	30	1	1
SEP 12...	0	1	1	0	20	0	6	2	4	30	7	7

DATE	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)
JAN 23...	0	.0	.0	.0	14	10	4	0	0	0	.0
FEB 16...	0	.2	.2	.0	12	12	0	1	1	0	1.0
MAR 16...	3	.0	.0	.0	10	7	3	1	0	1	1.0
APR 19...	--	.0	--	--	7	--	--	0	--	--	.0
MAY 23...	0	.1	.1	.0	5	5	0	0	0	0	.0
JUN 20...	0	.0	.0	.0	6	4	2	2	0	2	.8
JUL 14...	4	.0	.0	.0	7	4	3	0	0	0	2.1
AUG 30...	0	.1	.1	.0	3	3	0	0	0	0	--
SEP 12...	0	.0	.0	.0	7	7	0	0	0	0	--

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

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 23...	40	30	10	13	.00	2	0	.0	.00	.000	.0	.000
FEB 16...	60	50	10	14	.00	2	0	.0	.00	.000	.0	.000
MAR 16...	40	20	20	14	.00	1	0	.0	.00	.000	.0	.000
APR 19...	30	--	--	8.4	.00	10	0	.0	.00	.000	.0	.000
MAY 23...	20	0	20	15	.00	6	0	.0	.00	.000	.0	.000
JUN 20...	20	10	10	9.9	.00	2	0	.0	.00	.000	.0	.000
JUL 14...	20	0	20	12	.00	2	0	.0	.00	.000	.0	.000
AUG 30...	100	20	80	7.9	.00	2	--	.0	.00	.000	.0	.000
SEP 12...	20	20	0	13	.00	2	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 23...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
FEB 16...	.000	.001	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR 19...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
MAY 23...	.000	.000	.01	.002	.000	.003	.00	.000	.000	.000	.00	.00
JUN 20...	.000	.001	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUL 14...	.000	.000	.02	.001	.003	.000	.00	.000	.000	.000	.00	.00
AUG 30...	.000	.000	.02	.001	.000	.000	.00	.000	.001	.000	.00	.00
SEP 12...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.002	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 23...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	1.97	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.07	.01	.00	3.15	.000
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.01	12.0	2.24
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.08	.01	.04	5.46	2.05
MAY 23...	.00	.00	.00	.00	0.0	.00	.00	.07	.01	.15	41.4	2.63
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.02	.02	.06	29.2	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.02	.06	.00	33.3	.850
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.34	.00	.01	9.96	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.11	8.30	.450

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.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
CHLORIDE (water years 1975-76); Maximum daily, 4,600 mg/L Sep. 16, 1976; minimum daily, 10 mg/L Nov. 13-17, 1976.

EXTREMES FOR CURRENT YEAR.--
CHLORIDE: Maximum daily, 2,500 mg/L Aug. 30, minimum daily, 19 mg/L Jan. 14, 19, 27, 28.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	18.0	14.0	9.0	15.0	21.0	24.0	28.0	30.0	29.0	28.0
2	---	---	19.0	13.0	10.0	16.0	21.0	24.0	28.0	30.0	29.0	29.0
3	---	---	20.0	12.0	10.0	16.0	21.0	25.0	28.0	30.0	30.0	29.0
4	---	---	20.0	12.0	9.0	15.0	21.0	24.0	26.0	31.0	30.0	29.0
5	---	---	21.0	13.0	9.0	14.0	21.0	24.0	27.0	31.0	30.0	29.0
6	---	---	19.0	13.0	9.0	15.0	21.0	24.0	28.0	30.0	30.0	28.0
7	---	22.0	16.0	14.0	10.0	15.0	21.0	25.0	28.0	30.0	30.0	28.0
8	---	22.0	17.0	15.0	8.0	16.0	21.0	25.0	28.0	31.0	29.0	28.0
9	---	21.0	16.0	14.0	8.0	15.0	22.0	25.0	28.0	30.0	30.0	27.0
10	---	18.0	14.0	11.0	9.0	14.0	22.0	25.0	29.0	31.0	29.0	28.0
11	---	18.0	14.0	11.0	9.0	14.0	22.0	24.0	28.0	---	29.0	28.0
12	---	17.0	13.0	12.0	10.0	16.0	20.0	25.0	29.0	---	29.0	28.0
13	18.0	17.0	13.0	11.0	10.0	17.0	19.0	26.0	---	---	29.0	28.0
14	19.0	18.0	14.0	10.0	11.0	18.0	19.0	26.0	---	---	28.0	28.0
15	19.0	18.0	14.0	10.0	11.0	19.0	22.0	25.0	---	---	28.0	28.0
16	19.0	19.0	15.0	10.0	11.0	19.0	22.0	26.0	---	---	29.0	28.0
17	---	18.0	16.0	10.0	13.0	18.0	24.0	25.0	---	---	29.0	28.0
18	---	19.0	16.0	9.0	10.0	17.0	24.0	26.0	---	---	30.0	---
19	---	19.0	15.0	8.0	10.0	18.0	24.0	25.0	---	---	30.0	---
20	---	20.0	17.0	8.0	10.0	19.0	23.0	27.0	---	---	30.0	---
21	---	21.0	15.0	7.0	10.0	19.0	22.0	27.0	---	---	30.0	---
22	---	20.0	13.0	8.0	11.0	19.0	24.0	27.0	---	---	30.0	---
23	---	20.0	13.0	8.0	11.0	20.0	24.0	28.0	---	---	30.0	---
24	---	21.0	13.0	10.0	12.0	20.0	28.0	28.0	---	---	30.0	---
25	---	20.0	13.0	11.0	13.0	19.0	24.0	28.0	---	28.0	31.0	---
26	---	18.0	13.0	11.0	13.0	19.0	23.0	28.0	---	28.0	30.0	---
27	---	19.0	13.0	11.0	14.0	19.0	22.0	---	30.0	28.0	29.0	---
28	---	20.0	12.0	12.0	15.0	19.0	23.0	28.0	30.0	28.0	30.0	---
29	---	20.0	13.0	11.0	---	20.0	23.0	---	28.0	28.0	28.0	---
30	---	19.0	14.0	11.0	---	20.0	23.0	---	31.0	28.0	28.0	---
31	---	---	13.0	10.0	---	20.0	---	29.0	---	29.0	28.0	---
MONTH	---	19.5	15.0	11.0	10.5	17.5	22.0	26.0	---	---	29.5	---

07381320 BAYOU TERREBONNE AT HOUMA, LA (CE 76270)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	42	23	28	34	40	39	42	28	60	46	500
2	---	40	32	34	30	31	37	38	26	64	46	450
3	---	36	30	28	29	28	41	39	24	41	38	400
4	---	49	46	36	35	28	32	45	22	40	45	250
5	---	48	72	53	30	31	33	31	22	43	44	150
6	---	51	35	39	32	45	32	28	30	47	53	130
7	---	51	32	43	30	41	28	40	26	56	44	130
8	---	47	58	32	30	25	32	39	26	45	36	130
9	---	58	38	44	---	36	27	47	28	44	40	120
10	---	77	36	28	---	37	26	36	25	42	46	120
11	---	64	52	28	---	43	27	37	32	---	42	140
12	---	60	46	33	---	40	26	34	42	---	52	150
13	79	56	31	27	---	55	24	36	32	---	50	130
14	82	46	31	19	---	44	24	37	34	---	43	120
15	84	64	32	21	---	37	29	36	33	---	48	100
16	55	45	30	25	---	31	28	34	31	---	48	83
17	68	40	29	41	28	30	28	37	28	---	58	80
18	52	42	25	29	22	52	---	31	26	---	74	120
19	46	40	23	19	22	38	30	32	26	---	57	82
20	58	42	37	41	31	38	21	29	24	---	49	58
21	59	44	34	48	32	40	37	28	---	---	54	70
22	58	46	34	40	30	34	40	32	---	---	58	98
23	41	38	36	40	35	40	34	30	22	---	48	120
24	45	81	44	42	30	48	43	30	24	---	52	68
25	42	39	34	44	34	64	30	31	---	42	52	88
26	48	50	45	28	30	22	38	27	---	41	57	72
27	35	48	33	19	33	46	33	---	45	33	53	75
28	40	54	30	19	38	39	37	25	50	40	500	75
29	45	21	32	25	---	38	43	---	44	34	480	90
30	43	20	32	29	---	48	41	---	46	52	2500	160
31	46	---	28	26	---	40	---	27	---	50	1700	---
MONTH	---	48	36	33	---	39	32	34	31	---	210	150
YEAR	MAX	2500	MIN	19	MEAN	64						

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 September 1978.
WATER TEMPERATURES: April 1978 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE:
WATER TEMPERATURES:

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS, DIS-SOLVED (MG/L AS CACO3)
JAN												
10...	1330	--	361	7.7	10.0	70	35	9.6	5.8	--	--	86
FEB												
22...	1200	--	181	7.2	10.0	10	20	7.5	2.9	1200	--	74
MAR												
16...	0700	--	213	7.4	5.0	50	15	5.0	3.2	K280	--	84
APR												
12...	1030	--	330	6.8	21.0	60	20	6.2	5.0	K26000	--	100
MAY												
02...	1430	--	357	7.3	25.0	20	90	8.6	8.0	K790	1400	130
JUN												
13...	1615	--	303	7.2	30.5	20	15	5.5	2.7	330	K40	98
JUL												
06...	1800	--	202	6.8	29.5	50	28	4.4	3.0	--	1000	51
AUG												
10...	0800	693	361	7.3	26.5	40	45	--	--	K15000	300	100
SEP												
14...	0745	--	415	7.5	28.0	50	40	6.7	3.6	--	1100	100

DATE	HARD-NESS, NONCAR-BONATE, DIS. (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, TOTAL (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
JAN												
10...	9	24	6.3	13	24	.6	4.4	94	0	77	12	23
FEB												
22...	15	21	5.3	8.9	20	.5	3.3	72	0	59	6.4	19
MAR												
16...	12	23	6.5	11	21	.5	4.2	88	0	72	5.9	25
APR												
12...	15	28	8.1	26	34	1.1	3.6	108	0	89	13	39
MAY												
02...	37	37	10	18	22	.7	3.6	113	0	93	36	27
JUN												
13...	16	27	7.5	24	34	1.1	2.9	102	0	84	14	37
JUL												
06...	0	20	.2	15	38	.9	2.1	72	0	59	5.4	19
AUG												
10...	21	27	9.1	30	38	1.3	2.9	96	0	79	24	46
SEP												
14...	20	25	9.3	41	46	1.8	3.2	98	0	80	20	62

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

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
JAN												
10...	.2	9.9	141	139	.19	--	.11	.23	--	--	--	.91
FEB												
22...	.1	2.6	105	102	.14	--	.05	.21	--	--	--	1.2
MAR												
16...	.1	5.2	119	124	.16	--	.08	.30	1.0	1.3	.20	1.1
APR												
12...	.1	6.9	198	179	.27	--	.27	.38	1.4	1.8	.50	1.3
MAY												
02...	.1	5.2	197	193	.27	--	.98	.18	4.0	4.2	3.6	.63
JUN												
13...	.1	5.8	--	169	.23	--	.08	.21	1.3	1.5	.64	.86
JUL												
06...	.1	7.0	119	105	.16	--	.05	.16	1.2	1.4	.51	.89
AUG												
10...	.2	7.8	200	194	.27	374	.47	.14	.81	.95	.24	.71
SEP												
14...	.2	7.1	239	216	.33	--	.33	.10	.77	.87	.24	.63

DATE	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	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)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)
JAN											
10...	--	--	.32	.12	--	11	1.5	--	96	96	--
FEB											
22...	--	--	.19	.08	8.9	--	--	--	76	60	--
MAR											
16...	1.4	6.1	.43	.22	14	--	--	390	74	92	--
APR											
12...	2.1	9.2	.44	.12	--	21	2.6	--	96	76	--
MAY											
02...	5.2	23	.19	.00	11	--	--	2300	91	214	--
JUN											
13...	1.6	7.0	.17	.02	10	--	--	--	82	79	--
JUL											
06...	1.5	6.4	.27	.11	--	12	2.4	--	82	140	--
AUG											
10...	1.4	6.3	.13	.04	12	--	--	--	94	104	195
SEP											
14...	1.2	5.3	.12	.04	12	--	--	--	92	70	--

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	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)
JAN 10...	3	2	1	100	100	0	4	1	3	10
APR 12...	7	1	6	200	0	200	1	0	1	0
JUL 06...	6	3	3	200	0	200	0	0	0	10

DATE	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)
JAN 10...	10	0	1	1	0	7	0	7	2600	2400
APR 12...	0	0	0	0	0	10	3	7	2900	2800
JUL 06...	10	0	0	0	0	10	3	7	2600	2300

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
JAN 10...	240	5	3	2	120	40	80	.1	.1	.0
APR 12...	130	4	1	3	610	130	480	.0	.0	.0
JUL 06...	320	12	8	4	320	80	240	.2	.1	.1

DATE	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, SUS-PENDED RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
JAN 10...	0	0	0	0	0	0	20	0	20
APR 12...	0	0	0	0	0	0	30	10	20
JUL 06...	0	0	0	0	0	0	20	0	20

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	267	<60	---	363	18500
2							---	333	<62	---	210	1420
3							---	335	<60	---	242	892
4							---	333	<62	---	222	716
5							---	266	<63	---	221	700
6							---	269	<65	---	---	704
7							---	289	<34	215	---	543
8							---	334	<69	202	---	575
9							---	284	<71	208	---	641
10							---	248	<70	235	353	711
11							---	246	<70	236	363	631
12							---	347	<71	246	396	622
13							269	238	<36	258	402	556
14							303	243	<62	237	413	431
15							322	234	<60	199	411	399
16							305	225	<62	190	410	456
17							292	225	---	241	371	460
18							300	232	---	241	374	452
19							295	231	---	223	352	445
20							262	232	---	242	350	441
21							262	235	---	179	359	443
22							262	201	---	212	363	444
23							262	201	---	238	365	399
24							276	199	---	285	366	405
25							257	188	---	266	363	427
26							248	201	---	323	371	447
27							275	219	---	363	401	453
28							274	186	---	271	14500	454
29							276	194	---	270	26000	454
30							304	221	---	363	18500	450
31							---	267	---	361	18600	---
MONTH							---	249	---	252	3170	1160

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	25.0	30.0	---	30.0	30.0
2							---	25.0	30.0	---	30.0	30.0
3							---	23.0	30.0	---	30.0	30.0
4							---	25.0	30.0	---	30.0	30.0
5							---	25.0	30.0	---	30.0	30.0
6							---	25.0	28.0	---	---	30.0
7							---	25.0	25.0	30.0	---	30.0
8							---	25.0	30.0	30.0	---	30.0
9							---	25.0	30.0	30.0	---	30.0
10							---	25.0	30.0	30.0	30.0	30.0
11							---	25.0	30.0	30.0	30.0	30.0
12							---	25.0	30.0	30.0	30.0	30.0
13							20.0	25.0	30.0	30.0	30.0	30.0
14							20.0	25.0	30.0	30.0	30.0	30.0
15							20.0	25.0	30.0	30.0	30.0	30.0
16							20.0	25.0	30.0	30.0	30.0	30.0
17							20.0	25.0	---	30.0	30.0	30.0
18							25.0	25.0	---	30.0	30.0	30.0
19							25.0	25.0	---	30.0	30.0	30.0
20							20.0	25.0	---	30.0	30.0	30.0
21							20.0	25.0	---	30.0	30.0	30.0
22							20.0	30.0	---	30.0	30.0	30.0
23							20.0	25.0	---	30.0	30.0	30.0
24							20.0	25.0	---	30.0	30.0	30.0
25							20.0	25.0	---	30.0	30.0	30.0
26							20.0	30.0	---	30.0	30.0	30.0
27							25.0	30.0	---	30.0	30.0	30.0
28							25.0	30.0	---	30.0	30.0	30.0
29							25.0	30.0	---	30.0	30.0	30.0
30							25.0	25.0	---	30.0	30.0	30.0
31							---	30.0	---	30.0	30.0	---
MONTH							---	26.0	---	30.0	30.0	30.0

NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER ‡977 TO SEPTEMBER ‡978

MAR. 16, 1978 0700 HOURS

PHYTOPLANKTON 390 CELLS/ML

ORGANISM NAME	CELLS/ML	PER CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...HYDRODICTYACEAE		
....PEDIASTRUM	140	37
...OOCYSTACEAE		
....ANKISTRODESMUS	10	2
...SCENEDESMACEAE		
....SCENEDESMUS	29	7
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	10	2
..PENNALES		
...FRAGILARIACEAE		
....SYNEDRA		0
...NAVICULACEAE		
....NAVICULA	10	2
....PINNULARIA	19	5
...NITZSCHIACEAE		
....NITZSCHIA	29	7
CYANOPHYTA		
.CYANOPHYCEAE		
..HORMOGONALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	120	29
EUGLENOPHYTA		
.CRYPTOPHYCEAE		
..CRYPTOMONIDALES		
...CRYPTOMONODACEAE		
....CRYPTOMONAS	19	5
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	10	2

MAY 2, 1978 1430 HOURS

PHYTOPLANKTON 2,300 CELLS/ML

ORGANISM NAME	CELLS/ML	PER CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...COELASTRACEAE		
....COELASTRUM	260	11
...OOCYSTACEAE		
....DICTYOSPHAERIUM	140	6
...SCENEDESMACEAE		
....SCENEDESMUS	140	6
...OOCYSTACEAE		
....GLOEOACTINIUM	160	7
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	240	11
....MELOSIRA	370	16
..PENNALES		
...FRAGILARIACEAE		
....SYNEDRA	300	13
...NITZSCHIACEAE		
....NITZSCHIA	14	1
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCCOCCALES		
...CHROCCOCCAEAE		
....ANACYSTIS	640	28
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	14	1

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.
CHLORIDE-SURFACE: October 1974 to current year.
CHLORIDE-10 FT DEPTH: October 1975 to current year.

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, 32.0°C July 4, 5; minimum daily, 3.0°C Jan. 15.
CHLORIDE-SURFACE: Maximum daily, 5,000 mg/L Aug. 30; minimum daily, 17 mg/L Jan. 30.
CHLORIDE-10 FT DEPTH: Maximum daily, 5,300 mg/L Aug. 30; minimum daily, 14 mg/L Mar. 5.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	23.0	19.0	---	10.0	16.0	19.0	23.0	29.0	30.0	28.0	27.0
2	29.5	22.5	17.5	---	10.0	16.0	20.0	24.0	28.0	30.0	29.0	28.0
3	26.5	21.0	18.0	---	10.0	16.0	20.0	24.0	27.0	31.0	29.0	28.0
4	23.5	19.5	18.0	26.0	8.0	10.0	21.0	23.0	27.0	32.0	29.0	28.0
5	23.0	18.5	19.5	13.0	10.0	10.0	21.0	22.0	27.0	32.0	30.0	27.0
6	---	20.0	18.5	10.5	10.0	14.0	22.0	24.0	28.0	31.0	30.0	28.0
7	---	19.0	16.0	15.5	8.0	15.0	22.0	24.0	28.0	30.0	29.0	28.0
8	---	21.0	16.5	11.5	---	15.0	22.0	24.0	28.0	30.0	29.0	28.0
9	---	21.5	17.5	6.0	8.0	15.0	22.0	24.0	28.0	30.0	28.0	28.0
10	---	19.0	13.0	8.0	8.0	11.0	22.0	24.0	28.0	30.0	28.0	27.0
11	---	15.5	12.0	8.0	10.0	11.0	23.0	25.0	29.0	31.0	29.0	27.0
12	---	15.0	14.0	9.0	10.0	15.0	19.0	25.0	29.0	30.0	29.0	28.0
13	18.0	16.0	---	9.0	12.0	17.0	---	26.0	30.0	30.0	29.0	28.0
14	18.0	16.0	---	10.0	12.0	17.0	---	23.0	28.0	30.0	28.0	28.0
15	18.0	19.0	---	3.0	11.0	17.0	---	25.0	29.0	30.0	27.0	28.0
16	18.0	19.0	---	9.0	11.0	17.0	---	28.0	29.0	30.0	28.0	28.0
17	19.0	18.5	---	10.0	11.0	17.0	---	26.0	29.0	30.0	29.0	28.0
18	20.5	18.0	---	6.0	11.0	17.0	24.0	26.0	29.0	30.0	28.0	28.0
19	20.5	17.0	---	8.0	10.0	17.0	24.0	27.0	29.0	30.0	28.0	29.0
20	20.0	19.0	---	7.0	10.0	19.0	24.0	27.0	29.0	30.0	28.0	29.0
21	20.0	19.5	---	7.0	9.0	19.0	24.0	27.0	29.0	29.0	28.0	29.0
22	20.0	19.0	---	8.0	9.0	19.0	24.0	27.0	30.0	29.0	29.0	29.0
23	21.0	19.0	---	7.0	10.0	19.0	22.0	27.0	30.0	30.0	30.0	29.0
24	21.5	20.0	---	10.0	12.0	19.0	23.0	28.0	30.0	30.0	30.0	29.0
25	22.0	17.5	---	15.0	12.0	19.0	23.0	28.0	---	29.0	30.0	28.0
26	21.0	18.0	---	8.0	15.0	18.0	---	28.0	---	29.0	30.0	28.0
27	21.0	17.5	---	10.0	13.0	18.0	23.0	28.0	31.0	28.0	30.0	28.0
28	21.5	19.0	---	11.0	16.0	18.0	22.0	28.0	31.0	27.0	29.0	27.0
29	21.0	20.0	---	10.0	---	18.0	22.0	29.0	31.0	28.0	27.0	26.0
30	21.5	19.0	---	11.0	---	19.0	22.0	28.0	31.0	27.0	26.0	26.0
31	22.0	---	---	10.0	---	19.0	---	29.0	---	29.0	27.0	---
MONTH	---	19.0	---	10.0	10.5	16.5	22.0	26.0	29.0	29.5	28.5	28.0
YEAR	MAX	32.0	MIN	3.0	MEAN	22.0						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	45	44	---	20	33	34	38	26	46	30	180
2	68	120	50	---	22	38	40	320	27	52	32	110
3	38	1500	50	---	30	36	32	340	30	50	48	140
4	68	170	46	44	28	32	31	310	24	52	46	260
5	38	44	35	42	26	59	32	82	24	46	42	360
6	---	92	50	42	29	34	32	80	22	40	40	260
7	---	42	55	44	31	43	32	75	24	45	44	260
8	---	48	54	50	39	44	37	75	29	62	60	160
9	---	95	45	42	34	30	32	88	40	63	50	150
10	---	52	45	34	31	39	27	65	39	55	56	130
11	---	55	45	41	38	56	30	50	44	46	52	58
12	---	45	41	29	20	34	26	55	35	42	54	96
13	40	60	---	35	29	42	---	52	30	41	60	70
14	38	41	---	38	24	40	---	55	27	46	56	92
15	40	64	---	37	27	38	---	55	32	44	54	85
16	54	50	---	51	26	42	---	92	36	42	50	120
17	40	54	---	44	26	36	---	58	32	44	44	120
18	55	42	---	46	32	45	38	45	33	44	46	130
19	53	50	---	46	31	40	31	50	28	52	43	55
20	54	46	---	34	32	40	36	48	33	56	44	58
21	42	39	---	31	32	42	32	38	29	54	45	60
22	50	39	---	32	32	36	34	35	31	54	54	90
23	44	48	---	41	31	38	32	40	28	54	42	75
24	49	41	---	40	36	38	39	45	27	60	42	100
25	52	44	---	18	42	37	36	42	30	47	44	100
26	43	39	---	31	41	41	---	50	26	47	48	100
27	40	39	---	18	36	40	38	45	54	37	44	100
28	38	46	---	19	28	37	30	45	52	48	700	120
29	42	40	---	19	---	40	35	42	48	39	2300	220
30	46	46	---	17	---	42	35	50	49	34	5000	350
31	46	---	---	20	---	40	---	24	---	27	900	---
MONTH	---	100	---	35	30	40	33	80	33	47	330	140

YEAR MAX 5000 MIN 17 MEAN 85

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
SAMPLING DEPTH 10.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	45	46	---	25	34	39	36	24	52	30	160
2	50	120	50	---	24	32	40	340	26	50	34	120
3	58	1700	50	---	27	31	34	340	24	56	50	140
4	42	180	39	34	31	37	31	340	25	68	48	260
5	38	38	30	44	28	14	36	77	24	48	42	360
6	---	64	46	42	28	35	32	65	22	45	42	280
7	---	45	110	42	27	44	29	80	43	48	44	260
8	---	52	140	46	34	43	28	88	39	52	64	160
9	---	100	50	48	37	31	32	88	33	58	48	150
10	---	51	46	26	36	56	30	50	34	56	55	130
11	---	44	48	36	40	37	31	65	36	42	50	70
12	---	98	44	26	35	36	---	50	35	42	54	100
13	42	88	---	38	30	43	---	52	34	41	60	82
14	38	44	---	40	24	36	---	50	33	56	66	92
15	38	53	---	44	31	40	---	60	35	44	54	87
16	52	53	---	34	24	46	---	42	38	42	50	120
17	40	40	---	47	28	36	---	42	32	42	44	120
18	56	40	---	49	29	49	34	50	34	54	43	130
19	54	44	---	37	28	42	33	42	28	50	44	72
20	52	45	---	37	30	42	33	42	31	55	42	50
21	53	43	---	33	38	43	26	35	29	56	42	60
22	48	41	---	33	31	30	32	38	32	56	58	73
23	46	36	---	40	32	36	30	40	28	58	44	80
24	47	37	---	40	38	38	37	45	30	56	44	95
25	48	47	---	25	50	43	38	48	35	54	44	100
26	43	43	---	28	39	42	---	65	30	46	48	98
27	37	41	---	18	38	40	30	55	52	48	45	100
28	42	49	---	19	34	46	30	42	52	39	740	120
29	42	40	---	21	---	42	32	40	50	38	2300	220
30	46	49	---	18	---	46	36	40	52	33	5300	360
31	44	---	---	17	---	40	---	29	---	26	350	---
MONTH	---	110	---	34	32	39	---	80	34	49	320	140

YEAR MAX 5300 MIN 14 MEAN 86

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.
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 (water years 1975-76): 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 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	36.0	30.0	---	23.0	23.0	27.0	30.0	28.0	36.0	30.0	---
2	35.0	---	29.0	---	24.0	25.0	24.0	25.0	29.0	35.0	35.0	---
3	34.0	33.0	33.0	---	20.0	26.0	25.0	24.0	27.0	35.0	30.0	---
4	32.0	30.0	---	---	25.0	20.0	27.0	27.0	29.0	33.0	---	---
5	---	35.0	31.0	---	21.0	21.0	28.0	28.0	28.0	---	---	---
6	34.0	---	29.0	---	20.0	23.0	26.0	28.0	28.0	31.0	---	---
7	---	---	25.0	30.0	21.0	26.0	28.0	29.0	30.0	---	33.0	---
8	---	36.0	31.0	---	22.0	24.0	25.0	30.0	---	---	28.0	---
9	---	---	28.0	35.0	20.0	21.0	28.0	28.0	---	---	27.0	---
10	36.0	29.0	24.0	23.0	23.0	23.0	28.0	29.0	---	---	25.0	---
11	33.0	23.0	22.0	29.0	21.0	20.0	24.0	28.0	---	---	25.0	---
12	30.0	30.0	28.0	31.0	25.0	20.0	26.0	25.0	---	---	24.5	---
13	---	33.0	29.0	23.0	24.0	23.0	27.0	28.0	---	---	27.0	---
14	---	35.0	30.0	21.0	20.0	21.0	28.0	29.0	---	---	30.0	---
15	---	---	29.0	23.0	23.0	25.0	29.0	30.0	---	---	33.0	---
16	---	---	35.0	22.0	26.0	21.0	29.0	33.0	---	---	30.0	---
17	---	36.0	28.0	21.0	25.0	21.0	28.0	30.0	30.0	---	35.0	---
18	20.0	---	35.0	25.0	21.0	20.0	27.0	33.0	29.0	---	---	---
19	29.0	---	29.0	21.0	20.0	23.0	26.0	35.0	---	---	---	---
20	26.0	35.0	33.0	24.0	20.0	26.0	24.0	35.0	---	---	---	---
21	28.0	36.0	29.0	23.0	22.0	26.0	27.0	---	---	---	---	---
22	29.0	30.0	23.0	25.0	20.0	24.0	27.0	---	---	30.0	---	---
23	27.0	---	30.0	27.0	26.0	27.0	28.0	35.0	---	29.0	---	---
24	29.0	35.0	35.0	28.0	25.0	27.0	29.0	32.0	31.0	28.0	---	---
25	25.0	---	24.0	28.0	23.0	23.0	27.0	36.0	33.0	27.0	---	---
26	29.0	29.0	23.0	20.0	---	20.0	24.0	---	30.0	27.0	---	---
27	30.0	---	20.0	21.0	---	24.0	24.0	---	---	24.0	---	35.0
28	27.0	---	---	20.0	---	25.0	27.0	---	30.0	29.0	---	35.0
29	28.0	35.0	---	---	---	27.0	28.0	---	30.0	29.0	---	34.0
30	28.0	34.0	---	---	---	26.0	29.0	---	30.0	33.0	---	33.0
31	29.0	---	---	---	---	23.0	---	---	---	35.0	---	---
MONTH	---	---	29.0	---	22.5	23.5	27.0	31.0	---	---	---	---

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	260	530	---	530	530	55	46	60	56	82	---
2	110	100	540	---	510	550	69	50	50	46	78	---
3	120	100	540	---	500	520	49	54	55	41	80	---
4	110	470	550	---	520	520	110	56	60	41	80	---
5	110	480	540	---	460	520	48	58	46	40	75	---
6	110	500	530	---	510	520	44	55	50	42	75	---
7	120	500	540	70	510	75	55	66	56	---	85	---
8	110	460	550	520	520	75	51	52	---	---	69	---
9	110	500	550	530	530	75	51	52	---	---	71	---
10	120	500	540	520	540	50	51	56	---	---	65	---
11	110	350	550	540	540	50	51	60	---	---	66	---
12	110	490	500	520	500	72	---	51	---	---	60	---
13	---	60	540	530	---	52	40	57	---	---	70	---
14	---	66	510	530	530	50	55	58	---	---	66	---
15	---	500	510	520	520	52	62	88	---	---	79	---
16	---	500	520	72	520	50	52	65	---	---	65	---
17	---	500	520	65	530	85	60	65	65	---	70	---
18	96	500	580	55	510	65	58	65	50	---	68	---
19	76	520	520	65	510	70	52	70	---	---	68	---
20	120	490	570	63	500	60	50	60	---	---	66	---
21	100	520	560	70	510	60	52	65	---	---	65	---
22	88	530	510	70	500	70	55	65	---	40	62	---
23	85	530	530	66	500	50	50	65	---	60	75	---
24	90	530	530	76	510	80	52	70	46	90	110	---
25	95	530	520	72	100	60	52	70	47	85	83	70
26	95	520	510	490	---	60	72	60	52	82	80	64
27	100	520	630	510	---	60	52	75	---	60	---	63
28	79	520	---	530	---	62	52	---	40	100	---	71
29	88	530	---	---	---	50	61	---	52	82	---	64
30	110	540	---	---	---	58	58	---	42	80	---	66
31	110	---	---	---	---	52	---	---	---	80	---	---
MONTH	100	440	540	---	500	150	56	61	---	---	74	---

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.

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.--
CHLORIDE: Maximum daily, 7,800 mg/L Feb. 12; minimum daily, 16 mg/L Jan. 26.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	24.0	18.0	---	8.0	16.5		27.0	29.0	32.0	28.0	28.0
2	30.5	24.0	21.0	---	9.0	15.0		28.0	27.0	33.0	29.0	29.0
3	27.0	22.0	21.0	10.0	9.0	16.0		26.0	27.0	32.0	29.0	29.0
4	25.0	21.0	22.0	10.0	8.0	17.0		26.0	28.0	35.0	30.0	28.0
5	26.0	22.0	22.0	11.0	9.0	17.0		25.0	27.0	35.0	32.0	28.0
6	26.0	22.0	15.0	16.5	9.0	18.0		25.0	27.0	35.0	29.0	29.0
7	25.0	22.0	15.0	---	7.0	18.0		25.0	27.0	32.0	29.0	29.0
8	25.0	21.5	15.0	16.0	8.0	15.0		26.0	27.0	32.0	28.0	28.0
9	25.0	22.0	15.0	12.0	10.0	15.5		25.0	30.0	---	30.0	28.0
10	25.0	18.0	10.0	---	9.0	16.0		25.0	27.5	32.5	28.0	27.0
11	23.5	18.5	11.0	10.5	13.0	17.0		25.0	29.0	32.0	28.0	27.5
12	22.0	18.0	---	8.0	15.0	17.0		25.0	29.5	31.0	30.0	28.0
13	22.0	18.0	---	9.0	13.0	17.0		26.0	30.0	31.0	28.0	28.0
14	---	19.0	---	8.0	12.0	---		26.0	30.0	31.0	28.0	29.0
15	---	---	---	8.5	11.0	---		25.0	31.0	32.0	28.0	29.0
16	22.0	20.0	---	8.0	11.0	---		25.0	31.0	32.0	29.0	29.0
17	22.0	19.0	---	9.0	12.0	---		25.0	31.0	31.0	29.0	29.0
18	23.0	22.0	---	8.0	13.0	---		26.0	31.0	32.0	30.0	29.0
19	23.0	---	---	8.0	11.0	---		26.0	31.0	31.0	31.0	27.0
20	24.0	22.0	---	6.0	8.0	---		26.0	31.0	30.5	31.0	27.0
21	25.0	21.0	---	6.0	11.0	---		26.0	30.0	---	31.0	27.0
22	25.0	21.0	---	6.0	14.0	---		26.0	31.0	---	31.0	27.0
23	23.0	22.0	---	6.0	14.0	---		26.0	30.0	34.0	31.0	27.0
24	23.5	22.0	---	12.0	14.0	---		26.0	30.0	---	31.0	27.0
25	23.0	19.0	---	11.0	9.0	---		26.0	30.0	28.0	31.0	27.0
26	24.0	19.0	---	11.0	17.0	---		26.0	32.0	28.0	29.0	27.0
27	23.0	20.0	---	11.0	17.0	---		26.0	32.0	28.0	29.0	26.5
28	24.0	19.5	---	10.5	16.0	---		26.0	32.0	28.0	30.0	26.0
29	24.0	20.0	---	9.5	---	---		26.0	32.0	27.0	27.0	26.0
30	23.0	19.0	---	9.0	---	---		26.0	32.0	28.0	28.0	26.0
31	23.0	---	---	8.0	---	---		27.0	---	27.0	28.0	---
MONTH	24.5	20.5	---	9.5	11.5	---		26.0	29.5	31.0	29.5	27.5

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1400	1800	320	---	800	610	990	2500	1300	1200	620	500
2	1400	1800	330	---	1300	600	1000	2600	450	1200	750	1700
3	480	1300	1300	1200	700	670	1100	1800	600	1200	1200	1700
4	760	1400	910	1300	1400	280	980	4900	400	1200	1100	1600
5	1200	1000	880	1300	1000	310	2800	5100	650	1200	1600	1600
6	1300	1000	770	750	1100	140	2600	5100	600	1200	1200	2200
7	2000	2000	820	---	1200	150	1400	2600	700	1200	1200	2300
8	1800	2100	960	480	900	160	1500	2300	600	1200	700	2400
9	1400	800	1100	480	4100	1300	550	980	450	---	760	1600
10	1300	1100	1300	470	3900	1300	540	970	950	1600	1100	2300
11	780	720	1300	470	6400	970	1400	900	550	1600	1100	2100
12	1200	720	---	370	7800	1000	1500	1000	350	1600	1100	2200
13	1200	750	---	380	230	510	600	960	470	1700	---	1800
14	---	1600	---	1000	230	490	520	940	2100	1800	---	2400
15	---	---	---	600	240	550	540	2000	2200	1400	720	1500
16	1000	4400	---	660	340	280	520	2000	2100	2000	1200	1400
17	900	4700	---	550	450	320	520	1900	2200	2000	1200	2000
18	910	3300	---	190	470	100	880	1000	2900	2000	1100	2100
19	940	---	---	140	310	940	870	1100	2900	1100	910	2500
20	970	3300	---	80	310	1400	860	2400	3000	880	950	2800
21	980	2100	---	480	260	1400	890	2400	2300	---	1000	3200
22	1600	2100	---	500	180	720	2200	2400	2600	---	400	3200
23	4300	1700	---	480	180	680	2200	1300	2600	800	640	1500
24	4500	1300	---	40	730	670	1500	1200	2300	540	1400	1700
25	1900	2600	---	40	740	780	1600	1200	2500	1200	1400	1600
26	1700	2900	---	16	790	790	1300	1300	1800	950	4600	1600
27	1900	2600	---	34	890	810	1400	1500	1400	320	4500	1500
28	1900	2100	---	31	1800	1200	1300	1600	1400	350	5200	1500
29	1900	600	---	27	---	1200	2400	1600	1500	800	4200	2800
30	1800	600	---	69	---	1200	2600	1200	1500	200	1700	2600
31	1700	---	---	58	---	1100	---	1400	---	500	490	---
MONTH	1600	1900	---	440	1400	730	1300	1900	1500	1200	1500	2000
YEAR	MAX	7800	MIN	16	MEAN	1400						

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.

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.0	24.0	20.0	---	9.0	15.0						
2	31.0	24.0	19.0	---	9.0	15.0						
3	31.0	23.0	19.0	14.0	9.0	15.0						
4	29.0	22.0	19.0	12.0	9.0	14.0						
5	28.0	21.0	21.0	12.0	10.0	14.0						
6	26.0	21.0	20.0	14.0	10.0	14.0						
7	26.0	21.0	17.0	14.0	10.0	14.0						
8	26.0	21.0	17.0	15.0	9.0	14.0						
9	26.0	22.0	18.0	12.0	9.0	15.0						
10	25.0	22.0	16.0	12.0	9.0	14.0						
11	25.0	18.0	14.0	10.0	9.0	14.0						
12	24.0	18.0	14.0	10.0	10.0	15.0						
13	24.0	18.0	---	10.0	10.0	14.0						
14	22.0	18.0	---	12.0	10.0	19.0						
15	21.0	18.0	---	12.0	10.0	19.0						
16	21.0	18.0	---	12.0	11.0	19.0						
17	21.0	19.0	---	10.0	12.0	19.0						
18	20.0	19.0	---	9.0	11.0	18.0						
19	21.0	18.0	---	8.0	11.0	19.0						
20	21.0	19.0	---	7.0	11.0	---						
21	22.0	19.0	---	7.0	11.0	---						
22	22.0	21.0	---	7.0	10.0	---						
23	22.0	21.0	---	7.0	10.0	---						
24	22.0	21.0	---	8.0	11.0	---						
25	24.0	21.0	---	9.0	12.0	---						
26	24.0	20.0	---	9.0	13.0	---						
27	24.0	19.0	---	9.0	13.0	---						
28	24.0	20.0	---	10.0	15.0	---						
29	23.0	20.0	---	10.0	---	---						
30	23.0	20.0	---	10.0	---	---						
31	24.0	---	---	10.0	---	---						
MONTH	24.5	20.0	---	10.5	10.5	---						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	36	38	---	27	43	---	33	19	---	47	
2	50	40	46	---	33	47	---	24	23	---	45	
3	39	90	50	40	30	33	---	27	26	---	---	
4	52	86	46	38	26	34	---	31	24	---	---	
5	79	45	45	34	26	52	---	37	31	---	---	
6	69	45	36	39	29	54	---	32	31	---	---	
7	71	53	48	40	27	57	---	37	25	---	---	
8	64	44	39	34	25	44	---	39	26	---	---	
9	60	74	51	27	9.4	40	---	42	28	---	---	
10	50	52	53	47	40	46	---	34	28	---	---	
11	49	62	59	44	29	43	---	34	32	59	---	
12	41	52	41	49	26	40	---	38	32	47	---	
13	40	62	---	47	36	50	---	33	---	40	---	
14	56	52	---	52	30	34	---	35	---	---	---	
15	68	60	---	41	28	34	---	40	---	56	---	
16	61	54	---	52	26	38	---	41	---	48	---	
17	70	46	---	50	24	46	---	38	---	46	---	
18	48	46	---	46	22	36	---	40	---	56	---	
19	42	28	---	97	30	33	---	32	---	53	---	
20	41	28	---	49	28	---	---	36	---	45	---	
21	39	32	---	45	28	---	---	34	---	42	---	
22	45	22	---	41	38	---	---	33	---	40	---	
23	41	28	---	39	41	---	36	33	---	47	---	
24	44	28	---	41	43	---	32	32	---	40	---	
25	35	47	---	39	38	---	41	---	---	45	---	
26	32	59	---	38	29	---	27	---	---	46	---	
27	42	51	---	42	31	---	30	---	---	54	---	
28	44	37	---	40	47	---	35	---	---	61	---	
29	55	48	---	35	---	---	34	---	---	61	---	
30	58	44	---	42	---	---	33	---	---	56	---	
31	48	---	---	38	---	---	---	---	---	47	---	
MONTH	51	48	---	44	30	---	---	---	---	---	---	

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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
23...	1250	870	7.6	50	85	11.6	50	2.1	K160	K28	130	64
FEB												
16...	1255	639	7.5	70	90	10.8	30	2.4	<5	<5	94	40
MAR												
16...	1220	656	7.8	50	210	8.7	79	1.7	--	K20	110	50
APR												
19...	1225	514	7.6	60	100	7.9	40	1.5	--	K200	120	53
MAY												
23...	1120	1050	8.1	20	15	8.0	35	2.1	K40	<5	170	90
JUN												
20...	1115	507	8.0	40	10	8.4	35	2.7	K70	K28	120	32
JUL												
14...	1100	802	8.3	30	8	8.6	30	6.3	<5	<5	140	44
AUG												
30...	1240	3100	7.6	30	5	7.6	52	1.8	660	<5	450	360
SEP												
12...	1235	3750	7.8	30	10	8.0	96	1.0	K40	<5	460	380

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
23...	22	18	130	67	5.0	6.7	79	0	65	3.2	29	240
FEB												
16...	18	12	80	63	3.6	4.7	66	0	54	3.3	18	140
MAR												
16...	21	13	86	62	3.6	5.7	73	0	60	1.9	26	140
APR												
19...	25	13	58	51	2.3	4.7	82	0	67	3.3	32	95
MAY												
23...	31	23	150	64	5.0	8.0	100	0	82	1.3	53	250
JUN												
20...	28	12	55	49	22	3.9	106	0	87	1.7	22	88
JUL												
14...	28	16	96	59	3.6	5.3	112	0	92	.9	28	170
AUG												
30...	47	81	660	75	14	28	107	0	88	4.3	160	1200
SEP												
12...	52	81	560	71	11	22	106	0	87	2.7	140	1100

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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)
JAN												
23...	230	<1.0	.35	.03	.38	.67	.20	3	2	1	0	0
FEB												
16...	262	<1.0	.35	.06	.41	.99	.21	3	2	1	0	0
MAR												
16...	480	1.8	.64	.04	.68	.93	.45	4	2	2	0	0
APR												
19...	145	<1.0	.68	.02	.70	.72	.15	2	1	1	10	0
MAY												
23...	22	<1.0	.01	.01	.02	.52	.03	1	1	0	0	0
JUN												
20...	5	<1.0	.00	.01	.01	.68	.10	5	0	5	0	0
JUL												
14...	15	<1.0	.00	.01	.01	.68	.09	3	0	3	0	0
AUG												
30...	8	<1.0	.00	.01	.01	.80	.08	2	1	1	10	10
SEP												
12...	15	<1.0	.00	.01	.01	1.0	.06	2	1	1	10	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)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
JAN												
23...	0	1	0	1	20	0	13	9	4	30	13	13
FEB												
16...	0	0	0	0	10	0	23	15	8	120	7	7
MAR												
16...	0	0	0	0	20	0	16	2	14	120	7	1
APR												
19...	10	3	0	3	0	0	5	2	3	1300	6	4
MAY												
23...	0	0	0	0	0	0	4	2	2	10	3	3
JUN												
20...	0	1	0	1	10	0	5	2	3	60	6	5
JUL												
14...	0	1	1	0	10	0	4	2	2	40	5	3
AUG												
30...	0	0	0	0	0	0	4	3	1	170	0	0
SEP												
12...	10	0	0	0	0	0	4	0	4	20	4	4

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)
JAN 23...	0	.0	.0	.0	17	17	0	0	0	0	--
FEB 16...	0	.3	.3	.0	6	6	0	0	0	0	--
MAR 16...	6	.0	.0	.0	17	17	0	1	1	0	--
APR 19...	2	.0	.0	.0	7	6	1	0	0	0	4.0
MAY 23...	0	.1	.1	.0	0	0	0	0	0	0	--
JUN 20...	1	--	--	--	5	4	1	1	0	1	.6
JUL 14...	2	.0	.0	.0	4	4	0	0	0	0	--
AUG 30...	0	.0	.0	.0	1	1	0	1	0	1	--
SEP 12...	0	.0	.0	.0	4	1	3	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 (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)
JAN 23...	40	40	0	14	.00	2	0	.0	.00	.000	.0	.000
FEB 16...	40	30	10	8.8	.00	1	0	.0	.00	.000	.0	.000
MAR 16...	50	40	10	24	.00	0	0	.0	.00	.000	.0	.000
APR 19...	30	20	10	13	.00	2	0	.0	.00	.000	.0	.000
MAY 23...	10	0	10	9.3	.00	3	0	.0	.00	.000	.0	.000
JUN 20...	10	0	10	9.0	.00	3	0	.0	.00	.000	.0	.000
JUL 14...	10	0	10	12	.00	2	0	.0	.00	.000	.0	.000
AUG 30...	10	0	10	13	.00	2	0	.0	.00	.000	.0	.000
SEP 12...	10	10	0	13	.00	0	0	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
JAN 23...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
FEB 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR 19...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
MAY 23...	.000	.001	.01	.001	.000	.013	.00	.000	.000	.000	.00	.00
JUN 20...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 14...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 30...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
SEP 12...	.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)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 23...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	3.93	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	3.50	1.70
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	5.55	2.51
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.07	.00	.01	13.3	2.35
MAY 23...	.00	.00	.00	.00	0.0	.00	.00	.05	.00	.03	14.7	.000
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.07	56.4	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.11	.00	.05	70.3	2.50
AUG 30...	.00	.00	.03	.00	0.0	.00	.00	.00	.00	.02	51.0	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.03	26.5	.940

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)
(Formerly published as ATCHAFALAYA RIVER MAIN CHANNEL AT MYETTE POINT, NEAR CHARENTON)

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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 26...	1400	411	8.0	20	10	8.4	23	.4	--	--	140	34
NOV 15...	1310	403	7.9	20	80	9.2	66	1.4	1700	K10	150	38
DEC 19...	1405	316	8.0	20	85	10.0	23	2.1	1400	280	110	26
JAN 26...	0830	342	7.5	50	80	12.6	34	3.1	760	--	110	37
FEB 17...	0930	326	7.4	30	82	12.4	25	5.1	94	86	85	24
MAR 17...	0905	378	7.8	50	140	9.2	29	.4	K260	K170	--	--
APR 20...	1000	324	7.6	20	80	8.7	28	.4	K140	K16	130	38
MAY 24...	0900	324	7.3	40	140	6.8	45	.9	4000	<5	120	49
JUN 20...	1315	604	7.9	20	90	7.3	33	--	1000	110	190	64
JUL 14...	1240	499	8.1	30	70	7.5	15	1.3	K90	K16	170	55
AUG 30...	1420	552	7.8	10	35	6.8	11	.8	15000	K47	170	58
SEP 12...	1435	489	7.8	5	15	7.4	10	.2	K60	K28	170	54

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT 26...	38	11	--	--	--	--	126	0	110	2.0	45	25
NOV 15...	39	12	--	--	--	--	136	0	110	2.7	45	34
DEC 19...	29	8.3	18	26	.8	3.0	98	0	80	1.6	35	24
JAN 26...	31	9.0	22	29	.9	3.1	94	0	77	4.8	42	31
FEB 17...	21	7.8	17	30	.8	2.2	74	0	61	4.7	29	22
MAR 17...	--	--	--	--	--	--	97	0	80	2.5	--	--
APR 20...	35	10	14	19	.5	3.1	110	0	90	4.4	36	19
MAY 24...	19	17	--	--	--	8.1	83	0	68	6.7	--	--
JUN 20...	50	15	56	39	1.8	4.1	150	0	120	3.0	75	78
JUL 14...	45	14	31	28	1.0	3.5	140	0	110	1.8	61	41
AUG 30...	45	15	39	32	1.3	4.2	141	0	120	3.6	66	62
SEP 12...	45	14	32	29	1.1	3.6	142	0	120	3.6	72	34

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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												
26...	166	<1.0	1.2	.01	1.2	1.1	.41	3	1	2	10	10
NOV												
15...	402	<1.0	1.3	.01	1.3	.40	.45	4	2	2	0	0
DEC												
19...	67	<1.0	1.2	.03	1.2	.76	.41	3	2	1	0	0
JAN												
26...	190	<1.0	1.1	.04	1.1	1.5	.28	3	2	1	0	0
FEB												
17...	166	<1.0	.83	.04	.87	.19	.21	2	2	0	0	0
MAR												
17...	79	<1.0	.76	.02	.78	.84	.21	1	0	1	0	0
APR												
20...	164	<1.0	1.6	.01	1.6	.62	.20	2	1	1	0	0
MAY												
24...	258	<1.0	1.2	.05	1.2	1.8	.29	4	3	1	0	0
JUN												
20...	392	<1.0	1.4	.00	1.4	.50	.34	8	7	1	10	0
JUL												
14...	53	<1.0	1.4	.00	1.4	.77	.16	3	1	2	0	0
AUG												
30...	64	<1.0	.99	.01	1.0	.99	.14	2	0	2	10	10
SEP												
12...	20	<1.0	.56	.01	.57	1.1	.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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT												
26...	0	<10	<10	0	0	0	10	8	2	30	<100	<99
NOV												
15...	0	0	0	0	12	0	16	14	2	60	9	9
DEC												
19...	0	0	0	0	40	0	13	10	3	60	14	14
JAN												
26...	0	1	0	1	20	0	11	5	6	40	6	6
FEB												
17...	0	1	0	1	10	0	11	7	4	30	8	8
MAR												
17...	0	0	0	0	0	0	5	3	2	200	3	3
APR												
20...	0	1	0	1	0	0	5	1	4	80	5	5
MAY												
24...	0	1	0	1	0	0	14	0	14	120	10	9
JUN												
20...	10	1	0	1	20	0	11	5	6	40	10	10
JUL												
14...	0	1	0	1	10	0	10	7	3	40	12	10
AUG												
30...	0	0	0	0	0	1	6	3	3	20	4	4
SEP												
12...	0	0	0	0	10	0	4	0	4	20	3	1

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 26...	1	.0	.0	.0	<50	<49	1	0	0	0	--
NOV 15...	0	.0	.0	.0	13	11	2	1	0	1	.3
DEC 19...	0	.0	.0	.0	20	18	2	0	0	0	.4
JAN 26...	0	.0	.0	.0	10	5	5	0	0	0	1.0
FEB 17...	0	.9	.9	.0	9	8	1	0	0	0	1.0
MAR 17...	0	.0	.0	.0	6	4	2	1	1	0	--
APR 20...	0	.0	.0	.0	6	2	4	0	0	0	1.0
MAY 24...	1	.0	.0	.0	11	9	2	1	1	0	--
JUN 20...	0	.0	.0	.0	10	5	5	0	0	0	1.0
JUL 14...	2	.1	.1	.0	10	8	2	0	0	0	.0
AUG 30...	0	.0	.0	.0	2	2	0	1	0	1	.7
SEP 12...	2	.0	.0	.0	4	1	3	0	0	0	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 (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
OCT 26...	20	10	10	7.6	.00	2	--	.0	.00	.000	.0	.000
NOV 15...	44	40	4	5.7	.00	2	0	.0	.00	.000	.0	.000
DEC 19...	50	40	10	7.7	.00	2	0	.0	.00	.000	.0	.000
JAN 26...	40	30	10	7.9	.00	4	0	.0	.00	.000	.0	.000
FEB 17...	40	40	0	7.1	.00	1	0	.0	.00	.000	.0	.000
MAR 17...	20	10	10	5.3	.00	0	0	.0	.00	.000	.0	.000
APR 20...	30	10	20	8.0	.00	2	0	.0	.00	.000	.0	.000
MAY 24...	40	20	20	9.8	.00	3	0	.0	.00	.000	.0	.000
JUN 20...	40	30	10	11	.00	2	0	.0	.00	.000	.0	.000
JUL 14...	20	10	10	16	.00	2	0	.0	.00	.000	.0	.000
AUG 30...	20	10	10	--	.00	2	0	.0	.00	.000	.0	.000
SEP 12...	10	10	0	4.8	.00	2	--	--	--	--	--	--

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 26...	.000	.000	.30	.000	.000	.000	.00	.000	.001	.003	.00	.00
NOV 15...	.000	.000	.01	.003	.000	.001	.00	.000	.001	.000	.00	.00
DEC 19...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
JAN 26...	.002	.002	.02	.003	.000	.000	.00	.000	.000	.000	.00	.00
FEB 17...	.001	.007	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 17...	.000	.005	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
APR 20...	.000	.002	.02	.004	.000	.000	.00	.000	.001	.000	.00	.00
MAY 24...	.000	.009	.01	.007	.000	.000	.00	.000	.002	.000	.00	.00
JUN 20...	.000	.007	.01	.007	.000	.001	.00	.000	.002	.000	.00	.00
JUL 14...	.000	.000	.02	.006	.000	.000	.00	.000	.002	.002	.00	.00
AUG 30...	.000	.000	.01	.004	--	.001	.00	.000	.001	.000	.00	.00
SEP 12...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 26...	.00	.00	.00	.00	0.0	.00	.00	.03	.02	.00	.400	.032
NOV 15...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	1.70	.000
DEC 19...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
JAN 26...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
FEB 17...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.00	1.23	.000
MAR 17...	.00	.00	.00	.00	0.0	.00	.00	.05	.01	.01	2.76	.000
APR 20...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	2.97	.000
MAY 24...	.00	.00	.00	.00	0.0	.00	.00	.04	.02	.00	2.17	.000
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	4.41	.000
JUL 14...	.00	.00	.01	.00	0.0	.00	.00	.05	.02	.01	10.3	.000
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.03	.02	.01	11.8	.730
SEP 12...	--	--	--	--	--	--	--	.00	.00	.00	5.71	.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.

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 CURRENT YEAR.--Maximum elevation, 4.89 ft (1.490 m) Aug. 29, minimum, 0.35 ft (0.107 m) Mar. 4.

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. 6, 1977.....	56,700	Feb. 15.....	92,100	May 18.....	125,000	July 19.....	60,200
Oct. 19.....	73,000	Mar. 15.....	64,400	May 31.....	139,000	Aug. 9.....	46,000
Nov. 2.....	60,600	Apr. 15.....	153,000	June 14.....	105,000	Aug. 22.....	44,000
Dec. 20.....	110,000	Apr. 20.....	137,000	June 21.....	79,100	Sept. 13.....	48,200
Jan. 1.....	72,100	May 3.....	108,000	July 6.....	54,800		

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.32	2.07	2.41	2.86	2.23	1.56	3.38	3.85	4.34	2.19	2.30	2.02
2	2.66	2.88	2.63	2.32	2.28	1.48	3.61	3.60	4.46	2.45	2.04	1.84
3	1.09	2.09	2.61	2.21	2.28	1.11	3.89	4.23	4.45	2.35	1.87	1.97
4	2.24	1.29	2.51	2.34	2.34	.37	4.03	3.71	4.49	2.41	1.64	1.91
5	2.30	1.43	2.65	2.26	2.48	.50	4.12	3.63	4.41	2.22	2.11	1.65
6	2.32	1.61	1.91	2.20	2.37	1.11	4.42	3.99	4.50	2.25	1.88	1.73
7	2.39	1.69	1.87	2.25	2.77	1.66	4.39	4.52	4.66	2.03	1.99	1.59
8	2.84	1.89	2.60	2.80	2.79	1.66	4.38	4.30	4.44	1.88	1.65	1.88
9	2.06	2.38	2.54	1.60	3.21	1.33	4.52	4.04	4.04	2.13	1.94	2.20
10	2.10	.76	1.80	1.98	3.11	1.04	4.57	3.74	3.58	2.16	1.94	2.34
11	2.17	1.10	2.49	2.16	3.15	1.99	4.85	3.85	3.74	1.93	1.77	2.42
12	.83	1.54	2.73	2.59	3.26	1.77	4.51	3.90	3.50	2.01	2.05	2.70
13	1.28	1.37	2.93	1.96	3.76	2.43	4.54	3.80	3.05	1.84	2.01	2.44
14	1.83	1.82	3.44	1.45	2.65	1.98	4.45	3.41	2.76	1.85	2.27	2.59
15	1.76	2.60	3.19	1.69	2.24	1.53	4.46	3.55	2.95	---	1.94	1.85
16	1.33	2.45	3.16	1.72	2.36	1.02	4.49	3.73	3.13	2.11	1.96	1.71
17	1.84	2.27	3.34	1.69	2.01	1.15	4.53	3.78	3.20	2.02	1.99	2.02
18	2.03	2.06	2.81	1.65	2.05	1.13	4.69	4.41	3.25	2.27	2.20	2.21
19	1.93	2.20	2.90	2.25	1.49	1.27	4.41	4.11	3.14	2.64	2.11	2.02
20	1.80	2.34	2.99	1.55	1.73	1.67	4.05	4.13	3.15	2.45	1.97	2.12
21	1.74	2.38	2.44	1.94	1.61	2.20	4.19	4.16	2.94	2.18	1.72	2.21
22	1.79	2.32	2.49	2.01	.99	2.22	4.33	4.26	3.02	2.60	1.65	1.97
23	2.05	2.18	2.84	2.21	1.51	2.46	4.54	4.37	2.89	2.50	1.92	1.38
24	2.12	2.09	2.89	2.78	1.11	3.08	4.39	4.44	2.67	2.24	1.96	1.31
25	1.96	2.17	2.98	2.98	1.70	2.74	4.22	4.38	2.12	2.18	2.29	1.26
26	1.44	1.81	2.58	2.28	1.92	2.72	3.84	4.32	2.31	2.29	2.16	2.00
27	1.13	3.06	2.82	2.35	1.90	2.79	3.58	4.15	1.98	2.54	2.65	1.82
28	1.29	2.34	2.67	2.25	2.40	3.07	3.57	4.20	1.75	2.20	3.55	1.64
29	1.43	2.45	2.85	2.22	---	3.19	3.53	4.28	1.69	2.25	4.87	1.67
30	1.61	2.74	3.02	2.37	---	3.07	3.72	4.31	1.98	2.14	2.48	1.92
31	1.76	---	2.86	2.11	---	3.23	---	4.30	---	2.17	1.81	---
MEAN	1.89	2.05	2.71	2.16	2.28	1.89	4.21	4.05	3.29	---	2.15	1.95
MAX	3.32	3.06	3.44	2.98	3.76	3.23	4.85	4.52	4.66	2.64	4.87	2.70
MIN	.83	.76	1.80	1.45	.99	.37	3.38	3.41	1.69	---	1.64	1.26

NOTE.--Elevations for period Dec. 22 to Feb. 16 furnished by Corps of Engineers.

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 33.0°C July 20; minimum daily 2.5°C Feb. 10, 11.
CHLORIDE: Maximum daily, 89 mg/L Oct. 8; minimum daily, 15 mg/L Apr. 7, May 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
OCT												
26...	1350	408	7.9	5	15	8.3	34	.5	--	--	140	35
NOV												
15...	1250	392	7.9	20	70	--	43	--	680	K60	140	35
DEC												
19...	1355	286	8.0	20	80	9.8	22	3.0	1400	K150	100	20
JAN												
11...	1600	360	7.9	20	55	12.2	46	--	--	--	140	42
FEB												
15...	1400	250	7.2	55	85	12.5	11	1.9	860	88	90	31
MAR												
15...	1400	368	7.4	15	70	9.9	29	1.3	--	K160	120	39
APR												
20...	1400	321	7.7	25	55	6.8	23	1.2	--	--	130	40
MAY												
03...	1430	358	7.9	20	85	7.2	42	--	5600	270	160	55
JUN												
14...	0900	339	7.5	15	70	6.1	39	2.2	6400	K80	130	36
JUL												
06...	1000	579	7.8	5	45	6.4	19	.9	30	<5	180	64
AUG												
09...	1000	443	7.3	30	55	--	42	--	600	200	160	41
SEP												
13...	0900	484	6.7	15	15	6.9	220	.3	78	--	170	42

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	39	11	--	--	--	--	128	0	105	2.6	53	26
NOV												
15...	38	11	--	--	--	--	128	0	110	2.6	42	28
DEC												
19...	29	7.6	14	22	.6	2.7	98	0	80	1.6	33	17
JAN												
11...	38	11	15	18	.6	3.0	120	0	98	2.4	39	22
FEB												
15...	25	6.8	12	22	.6	2.1	72	0	59	7.3	29	17
MAR												
15...	34	9.3	25	30	1.0	2.8	99	0	81	6.3	41	33
APR												
20...	36	9.5	12	16	.5	3.3	110	0	90	3.5	35	18
MAY												
03...	44	11	14	16	.5	3.7	128	0	105	2.6	43	25
JUN												
14...	34	11	16	21	.6	3.0	115	0	94	5.8	36	22
JUL												
06...	50	14	47	35	1.5	3.6	144	0	120	3.7	71	65
AUG												
09...	41	13	21	22	.7	3.7	140	0	110	11	53	28
SEP												
13...	43	14	31	28	1.1	3.6	150	0	120	48	71	31

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

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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 26...	146	<1.0	1.2	.01	1.2	.80	.36	3	2	1	10	10
NOV 15...	246	<1.0	1.2	.01	1.2	.44	.33	4	2	2	0	0
DEC 19...	272	<1.0	1.1	.02	1.1	.52	.31	3	2	1	0	0
JAN 11...	121	<1.0	1.8	.04	1.8	.84	.21	2	1	1	0	0
FEB 15...	230	<5.0	.83	.03	.86	.54	.25	3	2	1	0	0
MAR 15...	92	<1.0	.85	.02	.87	1.3	.23	2	2	0	0	0
APR 20...	163	<1.0	1.5	.01	1.5	.73	.15	3	2	1	0	0
MAY 03...	178	<1.0	1.8	.01	1.8	.74	.22	3	2	1	0	0
JUN 14...	186	<1.0	1.1	.03	1.1	.40	.22	5	3	2	0	0
JUL 06...	60	<1.0	.89	.01	.90	.89	.13	3	0	3	10	0
AUG 09...	65	<1.0	1.7	.01	1.7	.64	.12	3	1	2	10	9
SEP 13...	25	<1.0	.54	.01	.55	.53	.09	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT 26...	0	<10	<10	0	16	0	10	6	4	20	<100	<99
NOV 15...	0	0	0	0	8	0	16	14	2	60	7	6
DEC 19...	0	0	0	0	60	0	14	13	1	110	10	10
JAN 11...	0	0	0	0	20	0	14	9	5	40	9	9
FEB 15...	0	1	0	1	10	0	27	16	11	40	8	7
MAR 15...	0	1	0	1	0	0	10	6	4	20	8	2
APR 20...	0	5	2	3	10	0	24	17	7	90	12	12
MAY 03...	0	1	1	0	0	0	10	2	8	130	10	10
JUN 14...	0	2	1	1	15	0	23	7	16	40	13	12
JUL 06...	10	3	1	2	0	0	25	19	6	30	13	8
AUG 09...	1	1	0	1	0	0	8	3	5	20	10	6
SEP 13...	0	1	1	0	0	0	7	2	5	20	16	14

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

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 26...	1	.0	.0	.0	<50	<49	1	0	0	0	--
NOV 15...	1	.0	.0	.0	12	10	2	1	0	1	.1
DEC 19...	0	.0	.0	.0	19	16	3	0	0	0	.8
JAN 11...	0	.0	.0	.0	17	14	3	0	0	0	.0
FEB 15...	1	.0	.0	.0	11	9	2	1	0	1	1.0
MAR 15...	6	.0	.0	.0	6	2	4	1	1	0	1.0
APR 20...	0	.0	.0	.0	11	10	1	0	0	0	1.0
MAY 03...	0	.0	.0	.0	11	7	4	0	0	0	1.0
JUN 14...	1	.1	.1	.0	10	9	1	1	0	1	.2
JUL 06...	5	.4	.4	.0	9	3	6	1	0	1	--
AUG 09...	4	.0	.0	.0	10	6	4	1	0	1	.3
SEP 13...	2	.0	.0	.0	4	2	2	0	0	0	2.2

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 (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 26...	20	0	20	7.1	.00	2	--	.0	.00	.000	.0	.000
NOV 15...	30	20	8	7.4	.00	2	0	.0	.00	.000	.0	.000
DEC 19...	50	40	10	7.1	.00	2	0	.0	.00	.000	.0	.000
JAN 11...	30	20	10	6.1	.00	0	0	.0	.00	.000	.0	.000
FEB 15...	50	40	10	8.0	.00	2	0	.0	.00	.000	.0	.000
MAR 15...	30	20	10	7.7	.00	2	0	.0	.00	.000	.0	.000
APR 20...	30	20	10	8.2	.00	4	0	.0	.00	.000	.0	.000
MAY 03...	30	20	10	7.0	.00	7	0	.0	.00	.000	.0	.000
JUN 14...	40	20	20	6.6	.00	3	0	.0	.00	.000	.0	.000
JUL 06...	30	10	20	8.0	.00	1	0	.0	.00	.000	.0	.000
AUG 09...	20	0	20	6.3	.00	3	0	.0	.00	.000	.0	.001
SEP 13...	10	0	10	6.9	.00	0	0	.0	.00	.000	.0	.000

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 26...	.000	.000	.01	.000	.000	.000	.00	.000	.001	.000	.00	.00
NOV 15...	.000	.000	.01	.003	.000	.002	.00	.000	.000	.001	.00	.00
DEC 19...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
JAN 11...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
FEB 15...	.000	.004	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
MAR 15...	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.08	.00
APR 20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY 03...	.000	.000	.00	.002	.000	.000	.00	.001	.000	.000	.00	.00
JUN 14...	.001	.002	.01	.002	.002	.000	.00	.000	.000	.001	.00	.00
JUL 06...	.000	.004	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00
AUG 09...	.000	.002	.03	.006	.001	.001	.00	.000	.002	.000	.00	.00
SEP 13...	.000	.000	.01	.002	--	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 26...	.00	.00	.00	.00	0.0	.00	.00	.03	.02	.00	1.27	.141
NOV 15...	.00	.00	.00	.00	0.0	.00	.00	.03	.02	.01	3.30	.000
DEC 19...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	.000	.000
JAN 11...	.00	.00	.00	.00	0.0	.00	.00	.06	.02	.00	.000	.000
FEB 15...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.00	1.87	.000
MAR 15...	.00	.00	.00	.00	0.0	.00	.00	.05	.03	.00	5.93	.000
APR 20...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.00	1.49	.000
MAY 03...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.01	3.14	.000
JUN 14...	.00	.00	.00	.00	0.0	.00	.00	.05	.02	.00	4.66	.000
JUL 06...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.00	10.5	.000
AUG 09...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	8.50	.000
SEP 13...	.00	.00	.00	.00	0.0	.00	.00	.04	.02	.00	.000	.000

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.0	19.0	15.0	---	3.0	5.5	10.5	---	24.0	29.0	31.0	---
2	28.0	19.0	14.5	---	3.0	6.0	---	---	24.0	29.0	31.0	30.5
3	26.0	18.5	13.5	---	3.0	7.0	11.0	---	24.0	30.0	31.5	30.5
4	26.0	18.0	13.5	---	3.0	7.0	11.0	19.0	24.0	30.0	31.5	30.5
5	26.0	18.0	13.5	---	3.0	7.0	11.0	19.0	24.0	31.0	31.5	30.5
6	26.0	18.0	12.0	6.0	3.0	7.0	12.0	19.0	25.0	31.0	---	30.5
7	26.0	18.0	---	6.0	3.0	7.0	12.0	---	25.5	31.0	29.5	30.5
8	25.5	18.0	12.0	6.0	3.0	7.0	12.0	19.0	26.0	31.0	29.0	30.5
9	25.0	18.0	11.5	5.5	3.0	7.0	14.0	18.0	26.0	31.0	29.0	30.5
10	25.0	17.0	11.0	5.5	2.5	7.0	---	18.0	26.0	31.5	29.0	30.5
11	24.5	17.0	10.5	5.5	2.5	7.0	14.5	18.0	26.0	31.0	29.0	30.5
12	23.0	16.5	10.5	5.5	3.0	7.0	14.5	18.0	26.5	31.0	30.0	30.5
13	24.0	16.5	10.5	5.5	3.0	7.0	14.5	18.0	26.5	31.0	30.5	29.5
14	20.5	16.5	10.5	4.0	3.0	8.0	14.5	18.0	26.5	31.0	30.5	29.0
15	20.5	16.5	10.5	4.0	3.0	8.0	---	18.0	26.5	31.0	30.5	29.0
16	20.0	16.5	10.5	4.0	3.0	---	---	19.0	27.0	31.0	30.5	29.0
17	19.5	16.5	---	4.0	3.0	---	---	20.0	27.0	31.5	30.0	29.0
18	19.5	16.5	---	3.0	3.0	---	---	20.5	27.5	32.0	30.0	29.0
19	19.5	16.0	---	3.0	4.0	---	---	21.0	27.5	32.5	30.0	29.0
20	19.5	16.0	---	3.0	4.0	---	---	21.5	27.5	33.0	30.0	29.0
21	19.5	15.5	---	3.0	4.0	---	---	22.0	27.5	32.0	30.0	29.0
22	19.5	15.5	---	3.0	4.0	---	---	22.0	28.0	32.0	30.0	29.0
23	19.5	15.5	---	---	4.0	---	---	22.0	29.0	32.0	30.0	29.0
24	19.5	15.5	---	3.0	6.0	---	---	22.0	29.0	30.5	30.0	29.0
25	19.5	15.5	---	3.0	6.0	---	---	22.0	29.0	---	30.0	28.0
26	19.5	15.5	---	3.0	6.0	---	---	22.0	29.0	30.5	30.5	28.0
27	19.5	15.0	---	3.0	6.0	---	---	22.0	29.0	30.5	30.5	28.0
28	19.5	15.0	---	3.0	6.0	---	---	22.0	29.0	30.5	30.5	28.0
29	19.5	15.0	---	3.0	---	10.0	---	23.5	29.0	31.0	30.5	28.0
30	19.5	15.0	---	3.0	---	10.0	---	23.5	29.0	31.0	30.5	27.0
31	19.0	---	---	3.0	---	10.5	---	24.0	---	31.5	30.5	---
MONTH	22.6	16.5	---	4.0	3.5	---	---	20.5	27.0	31.0	30.0	29.5
YEAR	MAX	33.0	MIN	2.5	MEAN	19.5						

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	30	26	---	29	36	19	---	18	62	32	---
2	26	32	32	---	26	32	24	---	20	64	32	48
3	26	35	40	---	29	28	30	---	20	61	36	44
4	34	31	27	---	33	26	18	18	18	69	42	48
5	45	34	50	---	32	40	38	22	18	66	32	42
6	31	37	32	29	33	27	17	26	16	74	---	42
7	68	33	---	31	27	29	15	---	22	62	30	41
8	89	34	19	26	46	28	19	23	22	59	31	48
9	47	37	29	31	23	30	28	43	20	55	31	43
10	57	37	26	29	41	30	25	22	---	54	31	46
11	44	36	38	28	21	36	27	27	---	50	33	42
12	34	52	28	30	---	35	---	26	28	54	30	50
13	32	40	28	37	24	34	36	27	26	40	24	44
14	32	56	24	35	18	34	25	23	24	51	29	42
15	30	30	21	22	19	35	---	25	24	49	31	48
16	28	25	21	24	20	---	---	21	26	50	35	43
17	38	36	---	36	20	---	---	25	28	46	36	63
18	32	24	---	40	19	---	---	19	26	42	34	50
19	39	24	---	36	20	---	---	23	26	48	34	42
20	28	39	---	39	21	---	---	19	54	38	34	60
21	57	26	---	47	22	---	---	20	62	42	38	42
22	29	34	---	35	24	---	---	16	74	40	36	50
23	24	26	---	---	27	---	---	19	66	49	32	52
24	25	29	---	39	25	---	---	16	66	33	32	52
25	26	32	---	34	29	---	---	15	64	---	34	52
26	32	30	---	35	32	---	---	19	64	34	33	42
27	36	30	---	41	---	---	---	21	60	40	35	45
28	34	30	---	29	36	---	---	16	58	34	34	42
29	34	28	---	47	---	20	---	20	62	34	30	38
30	30	25	---	30	---	---	---	26	65	32	30	40
31	23	---	---	29	---	21	---	18	---	30	32	---
MONTH	37	33	---	34	27	---	---	22	38	49	33	46
YEAR	MAX	89	MIN	15	MEAN	35						

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 State 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.

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 CURRENT YEAR.--Maximum elevation, 4.61 ft (1.405 m) Aug. 29; minimum, 0.34 ft (0.104 m) Mar. 4.

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. 6, 1977	100,000	Jan. 11, 1978	146,000	May 3	173,000	July 6	111,000
Oct. 19	121,000	Feb. 15	181,000	May 18	194,000	July 19	115,000
Nov. 2	66,000	Mar. 15	93,300	June 1	250,000	Aug. 9	102,000
Nov. 16	135,000	Apr. 13	261,000	June 14	172,000	Aug. 22	92,800
Dec. 20	215,000	Apr. 20	268,000	June 21	134,000	Sept. 13	75,100

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.06	1.78	2.06	2.42	1.69	1.32	1.74	3.39	3.82	1.73	2.18	1.97
2	2.41	1.82	2.19	2.08	1.81	1.19	1.79	3.21	3.95	2.21	1.96	1.92
3	.89	1.90	2.12	1.97	1.80	1.06	2.02	3.71	4.00	2.10	1.83	1.98
4	1.88	1.36	2.04	2.03	1.87	.39	2.10	3.33	4.00	2.21	1.57	1.86
5	2.10	1.46	2.16	1.98	2.02	.48	2.21	3.22	3.97	2.15	1.93	1.64
6	2.03	1.43	1.57	1.91	1.90	.98	2.56	3.49	4.03	2.19	1.70	1.56
7	2.11	1.43	1.49	1.96	2.17	1.42	2.56	4.09	4.12	1.88	1.70	1.51
8	2.55	1.60	2.07	2.37	2.21	1.50	2.50	3.77	3.91	1.64	1.42	1.78
9	1.92	2.13	2.08	1.36	2.66	1.70	2.32	3.55	3.57	1.81	1.67	2.01
10	1.88	.62	1.48	1.68	2.55	1.73	2.46	3.28	3.23	1.83	1.69	2.20
11	2.02	.96	2.04	1.78	2.55	.49	2.50	3.38	3.31	1.54	1.63	2.30
12	.65	1.36	2.26	2.20	2.59	.81	2.33	3.42	3.16	1.66	1.84	2.44
13	1.05	1.09	2.46	1.68	2.95	1.00	2.47	3.32	2.81	1.60	1.84	2.30
14	1.56	1.43	2.98	1.24	2.27	1.39	2.37	3.02	2.52	1.61	2.01	2.60
15	1.69	2.23	2.67	1.11	2.02	1.50	2.48	3.19	2.64	1.85	1.88	1.90
16	---	2.03	2.65	1.26	2.15	1.36	2.48	3.31	2.76	2.04	1.93	1.79
17	1.50	1.84	2.84	1.48	1.84	.53	2.58	3.33	2.83	1.87	1.97	2.13
18	1.70	1.62	2.43	1.25	1.87	.79	2.97	3.82	2.87	2.18	2.22	2.13
19	1.55	1.77	2.59	1.72	1.34	1.09	2.71	3.63	2.83	2.51	2.09	1.97
20	1.60	1.91	2.58	1.22	1.51	1.48	2.26	3.62	2.86	2.26	2.85	2.01
21	1.50	1.98	2.20	1.45	1.51	1.68	2.66	3.67	2.67	1.97	2.63	2.13
22	1.60	1.97	2.15	1.55	.86	1.51	2.86	3.80	2.59	2.38	1.48	1.82
23	---	1.80	2.35	1.71	1.33	1.48	2.76	3.85	2.70	1.99	1.81	1.47
24	2.00	1.76	2.40	2.11	.93	1.53	2.68	3.89	2.73	1.81	1.82	1.27
25	1.40	1.79	2.50	2.44	1.47	1.63	3.87	3.84	2.54	1.79	1.93	1.05
26	1.26	1.49	2.17	1.98	1.67	1.32	3.48	3.74	2.06	1.99	2.06	1.93
27	.99	2.59	2.46	1.97	1.60	1.36	3.27	3.59	2.06	2.18	2.46	1.94
28	1.12	1.97	2.28	1.76	2.14	1.46	3.19	3.65	2.05	1.94	3.32	1.65
29	1.23	2.06	2.33	1.67	---	1.60	3.17	3.69	1.98	2.04	4.46	1.71
30	1.40	2.25	2.68	1.74	---	1.60	3.31	3.77	1.89	2.01	2.50	2.00
31	1.55	---	2.49	1.64	---	1.74	---	3.78	---	2.10	1.89	---
MEAN	---	1.71	2.28	1.77	1.90	1.26	2.62	3.56	3.02	1.97	2.07	1.90
MAX	3.06	2.59	2.98	2.44	2.95	1.74	3.87	4.09	4.12	2.51	4.46	2.60
MIN	---	.62	1.48	1.11	.86	.39	1.74	3.02	1.89	1.54	1.42	1.05

NOTE.--Elevations for periods Oct. 6-15, Oct. 16 to Nov. 2, Mar. 11 to Apr. 25, and July 2-5 furnished by Corps of Engineers.

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.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

REMARKS.--Samples are collected by Corps of Engineers and analyzed by Geological Survey. Corps of Engineers station 03780.

EXTREMES FOR PERIOD OF DAILY RECORD.--
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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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 26...	1340	417	7.8	--	5	--	8.2	35	.4	--	--
NOV 15...	1240	395	7.9	--	15	65	--	50	--	K800	--
DEC 19...	1340	292	8.0	--	20	80	9.8	22	1.9	500	K300
JAN 11...	1030	243	8.0	5.0	25	55	9.8	47	--	--	--
FEB 15...	1000	260	8.2	5.0	55	80	12.2	19	2.4	K320	K60
MAR 15...	1030	374	7.5	8.5	15	70	9.6	31	1.1	K220	160
APR 20...	1000	320	7.5	18.0	30	60	7.2	23	2.2	--	--
MAY 03...	0800	339	7.6	20.0	30	80	7.9	44	.9	2400	2200
JUN 14...	1300	341	7.4	32.0	5	70	7.3	51	2.5	15000	<5
JUL 06...	1400	590	7.8	30.0	10	45	6.7	21	.3	K100	K60
AUG 09...	1400	446	7.8	29.0	10	45	--	36	--	K700	K30
SEP 13...	1130	469	7.2	28.0	5	15	7.0	18	1.0	--	4400

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)
OCT 26...	--	140	34	38	11	--	--	--	--	130	0
NOV 15...	--	140	34	37	11	--	--	--	--	129	0
DEC 19...	--	110	28	30	7.8	15	23	.6	2.8	100	0
JAN 11...	--	140	44	37	11	16	20	.6	3.0	117	0
FEB 15...	250	94	28	26	7.1	14	24	.6	2.3	80	0
MAR 15...	--	120	39	32	9.1	25	31	1.0	3.8	99	0
APR 20...	--	130	41	35	9.4	13	18	.5	3.4	108	0
MAY 03...	--	140	38	39	11	13	16	.5	3.4	124	0
JUN 14...	2200	140	43	36	11	16	20	.6	2.9	118	0
JUL 06...	K80	190	72	50	15	46	34	1.5	3.4	140	0
AUG 09...	50	170	66	44	14	23	23	.8	3.7	124	0
SEP 13...	K3000	170	51	47	13	32	28	1.1	3.6	146	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SETTLEABLE MATTER (ML/L/HR)	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, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 26...	110	54	34	--	<1.0	.25	.01	.26	--	--	--
NOV 15...	106	40	32	--	<1.0	1.2	.01	1.2	--	--	--
DEC 19...	82	34	18	--	<1.0	1.1	.02	1.1	--	--	--
JAN 11...	96	39	23	--	<1.0	--	--	--	--	--	--
FEB 15...	66	31	18	.1	<1.0	.82	.05	.87	.23	.41	.64
MAR 15...	81	41	34	.1	<1.0	.85	.02	.87	.18	.92	1.1
APR 20...	89	35	20	.1	<1.0	1.4	.04	1.4	.09	.63	.72
MAY 03...	102	38	18	--	<1.0	1.7	.02	1.7	--	--	--
JUN 14...	97	36	27	.2	<1.0	1.3	.05	1.3	.08	.92	1.0
JUL 06...	110	71	65	.2	<1.0	.95	.01	.96	.00	.76	.76
AUG 09...	100	56	27	.2	<1.0	1.7	.02	1.7	.14	.68	.82
SEP 13...	120	71	31	--	<1.0	.55	.01	.56	.02	.55	.57

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)	PHOSPHORUS, TOTAL (MG/L AS P)	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)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)
OCT 26...	--	1.2	--	--	.20	--	2	1	1	--	--
NOV 15...	--	.34	--	--	.42	--	4	2	2	--	--
DEC 19...	--	.51	--	--	.32	--	2	1	1	--	--
JAN 11...	--	1.4	--	--	.21	.06	2	1	1	--	--
FEB 15...	.00	.64	1.5	6.7	--	.55	3	2	1	100	0
MAR 15...	.47	.63	2.0	8.7	.29	.10	2	2	0	100	100
APR 20...	.06	.66	2.1	9.4	.23	.02	3	2	1	200	100
MAY 03...	--	.75	--	--	.21	--	4	3	1	--	--
JUN 14...	.25	.75	2.3	10	.24	.04	5	3	2	400	100
JUL 06...	.19	.57	1.7	7.6	1.4	.05	4	2	2	200	0
AUG 09...	.21	.61	2.5	11	.18	.08	4	2	2	400	300
SEP 13...	.00	.57	1.1	4.9	.07	--	2	0	2	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	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, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)
OCT 26...	--	0	0	0	<10	<10	0	4	--	0
NOV 15...	--	0	0	0	0	0	0	0	--	0
DEC 19...	--	0	0	0	0	0	0	20	--	0
JAN 11...	0	0	0	0	1	0	1	10	0	0
FEB 15...	100	0	0	0	1	0	1	10	10	0
MAR 15...	0	0	0	0	0	0	0	0	0	0
APR 20...	100	0	0	0	8	5	3	0	0	0
MAY 03...	--	10	10	0	2	2	0	0	--	0
JUN 14...	300	10	10	0	1	0	1	10	0	0
JUL 06...	200	10	10	0	3	1	2	10	0	0
AUG 09...	80	1	0	1	1	0	1	20	0	0
SEP 13...	--	0	0	0	3	3	0	10	--	0

DATE	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)
OCT 26...	--	--	--	<10	<8	2	--	--	20	<100	<99	1
NOV 15...	--	--	--	19	17	2	--	--	30	7	6	1
DEC 19...	--	--	--	14	13	1	--	--	110	10	10	0
JAN 11...	2	2	0	14	9	5	4400	4400	50	9	9	0
FEB 15...	0	0	0	20	14	6	6500	6500	40	8	8	0
MAR 15...	1	1	0	16	7	9	3500	3500	30	19	15	4
APR 20...	3	2	1	19	11	8	6100	6100	30	15	13	2
MAY 03...	--	--	--	26	19	7	--	--	60	28	28	0
JUN 14...	2	2	0	27	7	20	5900	5900	40	10	10	0
JUL 06...	4	2	2	24	20	4	4500	4400	60	17	9	8
AUG 09...	5	4	1	15	12	3	6400	6400	10	23	23	0
SEP 13...	--	--	--	57	52	5	--	--	30	9	6	3

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
OCT 26...	--	--	--	.0	.0	.0	<50	<49	1	0	0	0
NOV 15...	--	--	--	.1	.1	.0	12	10	2	1	0	1
DEC 19...	--	--	--	.0	.0	.0	19	18	1	0	0	0
JAN 11...	160	150	10	.0	.0	.0	18	15	3	0	0	0
FEB 15...	240	230	10	.9	.9	.0	12	9	3	0	0	0
MAR 15...	120	100	20	.0	.0	.0	6	1	5	1	0	1
APR 20...	280	240	40	.0	.0	.0	27	26	1	0	0	0
MAY 03...	--	--	--	.0	.0	.0	10	8	2	0	0	0
JUN 14...	300	290	10	.0	.0	.0	10	8	2	0	0	0
JUL 06...	230	230	0	.2	.0	.2	13	8	5	1	1	0
AUG 09...	440	440	2	.0	.0	.0	17	15	2	1	1	0
SEP 13...	--	--	--	.0	.0	.0	7	5	2	0	0	0

DATE	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	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)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)
OCT 26...	--	--	--	--	10	4	6	12	--	--	.00	6
NOV 15...	--	--	--	.0	30	20	10	6.6	--	--	.00	5
DEC 19...	--	--	--	.6	40	40	0	6.6	--	--	.00	0
JAN 11...	--	--	0	.0	50	40	10	6.5	5.0	1.5	.00	0
FEB 15...	1	1	0	.0	60	40	20	7.1	--	--	.00	4
MAR 15...	1	0	1	1.0	50	40	10	5.3	--	--	.00	0
APR 20...	0	0	0	.0	50	30	20	7.9	5.2	2.9	.00	4
MAY 03...	--	--	--	1.0	100	90	10	7.1	--	--	.00	6
JUN 14...	0	0	0	1.7	40	20	20	7.0	--	--	.00	0
JUL 06...	0	0	0	.0	30	10	20	5.9	4.1	2.3	.00	0
AUG 09...	0	0	0	.5	50	40	8	6.0	--	--	.00	3
SEP 13...	--	--	--	2.6	20	20	0	6.3	--	--	.00	1

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	OIL AND GREASE (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)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
OCT 26...	0	.0	.00	.000	.0	.000	.000	.000	.00	.002	.000
NOV 15...	0	.0	.00	.000	.0	.000	.000	.000	.01	.003	.000
DEC 19...	0	.0	.00	.000	.0	.000	.000	.002	.01	.002	.000
JAN 11...	0	.0	.00	.000	.0	.000	.000	.000	.01	.004	.000
FEB 15...	0	.0	.00	.000	.0	.000	.002	.008	.01	.003	.000
MAR 15...	0	.0	.00	.000	.0	.000	.000	.000	.02	.003	.000
APR 20...	0	.0	.00	.000	.0	.000	.000	.000	.01	.003	.000
MAY 03...	0	.0	.00	.000	.0	.000	.000	.002	.02	.003	.000
JUN 14...	0	.0	.00	.000	.0	.000	.000	.005	.01	.003	.000
JUL 06...	0	.0	.00	.000	.0	.000	.000	.000	.01	.002	.000
AUG 09...	0	.0	.00	.000	.0	.000	.000	.001	.01	.005	.001
SEP 13...	0	.0	.00	.000	.0	.000	.000	.000	.02	.003	--

DATE	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)	METHYL TRITHION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 26...	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
NOV 15...	.001	.00	.000	.001	.000	.00	.00	.00	.00	.00
DEC 19...	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JAN 11...	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
FEB 15...	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
MAR 15...	.000	.00	.000	.000	.000	.06	.00	.00	.00	.00
APR 20...	.000	.00	.000	.001	.000	.00	.00	.00	.00	.00
MAY 03...	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUN 14...	.000	.00	.000	.001	.000	.00	.00	.00	.00	.00
JUL 06...	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
AUG 09...	.000	.00	.000	.002	.000	.00	.00	.00	.00	.00
SEP 13...	.001	.00	.000	.001	.000	.00	.00	.00	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 26...	.00	.00	0.0	.00	.00	.00	.00	--	1.64	.122
NOV 15...	.00	.00	0.0	.00	.02	.02	.00	--	3.67	2.33
DEC 19...	.00	.00	0.0	.00	.00	.00	.00	--	.000	.000
JAN 11...	.00	.00	0.0	.00	.05	.02	.00	--	.000	.000
FEB 15...	.00	.00	0.0	.00	.03	.01	.00	--	1.75	.000
MAR 15...	.00	.00	0.0	.00	.08	.03	.00	2500	1.80	.000
APR 20...	.00	.00	0.0	.00	.05	.01	.00	--	1.94	.000
MAY 03...	.00	.00	0.0	.00	.08	.00	.01	5900	2.43	.000
JUN 14...	.00	.00	0.0	.00	.04	.01	.00	--	5.30	.000
JUL 06...	.00	.00	0.0	.00	.04	.00	.00	--	21.6	.000
AUG 09...	.00	.00	0.0	.00	.01	.02	.00	--	6.61	.000
SEP 13...	.00	.00	0.0	.00	.02	.02	.00	--	.000	.000

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	360	294	583	---	460
2							---	364	299	643	---	468
3							---	366	315	607	---	503
4							---	366	322	620	---	475
5							---	367	321	594	---	463
6							---	389	330	578	---	451
7							---	387	332	579	---	461
8							---	353	335	582	---	486
9							---	364	332	564	---	503
10							---	344	338	453	430	511
11							---	351	341	468	449	498
12							---	355	342	428	484	503
13							310	342	338	428	406	493
14							310	397	340	412	391	484
15							314	320	331	406	383	477
16							316	305	353	443	420	481
17							316	292	372	452	428	480
18							317	284	386	463	435	473
19							323	276	370	468	443	477
20							325	286	508	480	455	503
21							323	282	552	471	443	488
22							343	276	578	459	443	475
23							363	271	570	450	426	509
24							355	270	559	446	423	508
25							352	270	551	456	431	486
26							348	270	550	463	442	480
27							352	296	544	458	437	478
28							353	279	532	450	426	475
29							364	279	540	447	426	466
30							364	283	556	438	423	463
31							---	289	---	446	429	---
MONTH							---	320	414	491	---	483

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.5	---	15.0	---	5.5	8.5	12.0	18.0	24.0	28.5	29.0	28.5
2	---	---	14.0	---	5.5	8.5	---	19.0	24.0	28.5	29.5	29.0
3	25.0	---	14.0	---	5.5	8.5	12.0	19.0	24.5	29.0	29.5	29.0
4	24.0	---	---	---	5.0	8.5	13.0	18.0	25.0	29.5	29.5	28.5
5	24.5	---	15.0	---	---	---	13.5	18.0	25.0	29.5	29.5	28.5
6	23.5	---	13.5	---	4.5	8.0	13.5	18.0	25.0	29.5	---	28.5
7	24.0	---	13.0	---	4.5	10.0	13.5	19.0	25.0	29.5	29.5	28.0
8	23.0	---	13.0	---	4.5	8.5	13.5	19.0	25.5	30.0	29.5	27.0
9	22.0	---	12.5	---	4.0	8.0	15.0	18.5	25.5	30.0	28.0	28.0
10	22.0	---	12.5	---	4.0	8.0	---	19.0	27.0	29.0	29.0	27.0
11	23.0	---	---	---	4.0	8.0	16.0	19.5	25.0	29.0	29.0	27.0
12	23.0	---	10.0	---	---	---	15.5	20.0	26.0	29.5	29.5	27.5
13	20.0	---	11.0	---	5.0	10.0	15.5	20.0	26.0	29.0	29.0	27.5
14	21.0	---	10.0	---	4.5	---	16.0	20.5	26.0	28.0	28.0	27.0
15	21.0	---	9.5	---	5.0	---	15.5	21.0	26.5	27.5	27.5	27.0
16	20.0	---	10.0	---	5.5	---	15.5	21.5	26.5	28.5	28.5	27.0
17	---	---	10.0	---	6.0	---	17.5	21.5	26.0	28.5	28.5	27.0
18	19.0	---	---	---	6.0	---	18.5	22.0	26.5	28.5	28.5	27.0
19	---	---	10.0	---	---	---	19.0	21.5	26.5	29.0	29.0	27.5
20	---	---	10.0	---	6.0	---	18.5	22.5	27.0	29.0	29.0	27.5
21	---	---	9.5	---	6.0	---	19.0	23.0	27.0	28.5	28.5	27.5
22	---	---	8.5	---	6.0	---	18.5	22.0	27.5	28.0	28.0	27.5
23	---	---	9.0	---	7.0	---	19.0	22.0	27.5	28.5	28.5	27.5
24	---	16.0	9.0	6.0	7.0	---	19.0	22.0	28.0	28.5	28.5	27.5
25	---	16.0	---	5.5	7.0	---	19.0	22.0	28.0	28.0	28.0	26.5
26	---	16.0	9.0	5.0	---	---	18.5	22.0	28.0	29.0	29.0	27.0
27	---	---	9.0	5.0	8.0	---	18.0	22.0	28.5	29.5	29.5	27.5
28	---	15.0	9.0	5.0	9.0	---	19.0	22.0	28.5	28.5	28.5	27.0
29	---	15.0	8.5	---	---	---	17.5	23.0	28.5	29.5	29.5	27.0
30	---	15.0	8.0	5.0	---	12.0	19.5	23.0	28.5	28.0	28.0	27.0
31	---	---	---	5.0	---	12.0	---	23.5	---	28.5	28.5	---
MONTH	---	---	11.0	---	5.5	---	16.5	20.5	26.5	29.0	29.0	27.5

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	---	26	---	22	38	23	19	30	64	34	42
2	---	---	40	---	19	32	---	22	17	68	27	38
3	28	---	27	---	20	35	23	32	17	71	32	47
4	32	---	---	---	25	27	18	25	17	76	33	46
5	27	---	27	---	---	---	19	22	---	80	41	43
6	29	---	28	---	22	31	19	18	---	72	32	38
7	29	---	23	---	23	30	17	18	---	72	34	36
8	33	---	24	---	23	28	20	28	---	63	32	44
9	36	---	19	---	18	26	19	36	22	57	44	46
10	33	---	24	---	18	41	---	42	21	60	40	45
11	38	---	---	---	28	31	23	44	21	58	38	42
12	29	---	20	---	---	---	19	46	22	52	25	43
13	26	---	25	---	26	32	18	24	24	50	23	40
14	27	---	21	---	26	---	20	27	23	46	29	51
15	27	---	27	---	30	---	---	24	22	50	22	52
16	31	---	21	---	24	---	---	26	22	47	28	42
17	54	---	28	---	27	---	19	45	23	44	32	40
18	30	---	---	---	27	---	20	21	25	39	32	51
19	---	---	20	---	---	---	20	22	23	42	30	52
20	---	---	20	---	28	---	20	19	53	42	30	57
21	---	---	19	---	29	---	26	20	58	42	32	53
22	---	---	38	---	27	---	24	18	65	36	32	51
23	---	---	25	---	25	---	25	20	73	32	30	43
24	---	50	28	30	25	---	25	18	---	32	30	51
25	---	43	---	23	26	---	22	16	---	49	29	58
26	---	31	48	26	---	---	23	18	---	39	27	45
27	---	---	31	31	36	---	23	14	---	38	30	40
28	---	37	25	27	34	---	22	14	76	38	30	---
29	---	26	24	---	---	---	23	17	68	30	27	40
30	---	24	18	53	---	20	21	18	80	34	27	40
31	---	---	---	30	---	22	---	16	---	---	34	---
MONTH	---	---	26	---	25	---	21	24	---	51	31	45

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

MAR. 15, 1978 1030 HOURS

PHYTOPLANKTON 2,500 CELLS/ML

ORGANISM NAME	CELLS/ML	PER CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	19	1
...SCENEDESMACEAE		
....SCENEDESMUS	19	1
..TETRASPORALES		
...PALMELLACEAE		
....SPHAEROCYSTIS	180	7
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	220	9
....MELOSIRA	260	10
..PENNALES		
...FRAGILARIACEAE		
... ASTERIONELLA	75	3
....SYNEDRA	28	1
. .NAVICULACEAE		
....NAVICULA	37	1
...NITZSCHACEAE		
....NITZSCHIA	9	0
...SURIRELLACEAE		
....SURIRELLA	19	1
.CHRYSOPHYCEAE		
..CHRYSOMONADALES		
...OCHROMONADACEAE		
....DINOBRYON	37	1
CYANOPHYTA		
.CYANOPHYCEAE		
..CHROCCOCCALES		
...CHROCCOCCAEAE		
....AGMENELLUM	150	6
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	19	1

MAY 3, 1978 0800 HOURS

PHYTOPLANKTON 9,400 CELLS/ML

ORGANISM NAME	CELLS/ML	PER CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	300	3
....KIRCHNERIELLA	150	2
...SCENEDESMACEAE		
....SCENEDESMUS	300	3
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	300	3
....MELOSIRA	910	10
..PENNALES		
...NAVICULACEAE		
....NAVICULA	300	3
...NITZSCHIACEAE		
....NITZSCHIA	150	2
...SURIRELLACEAE		
....SURIRELLA	150	2
CYANOPHYTA		
.CYANOPHYCEAE		
..HORMOGONALES		
...OSCILLATORIACEAE		
....LYNGBYA	6,200	66
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	610	6

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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
OCT												
26...	1335	297	8.0	20	8	7.0	17	2.5	--	--	100	13
NOV												
15...	1230	414	7.7	15	50	9.2	47	1.4	700	K80	140	33
DEC												
19...	1330	272	8.0	35	70	8.8	39	2.0	560	K150	91	12
JAN												
23...	1330	325	7.6	40	65	11.4	34	2.6	880	92	110	26
FEB												
16...	1340	258	7.6	30	80	11.0	19	2.2	2000	K320	93	22
MAR												
16...	1310	306	7.9	20	80	10.3	39	3.7	220	130	110	30
APR												
19...	1310	315	7.7	20	70	7.8	27	1.4	640	160	110	22
MAY												
23...	1210	415	7.6	15	120	6.3	34	1.3	K1600	K260	120	44
JUN												
20...	1215	482	7.6	30	45	7.6	43	3.1	K130	K36	130	29
JUL												
14...	1135	411	7.7	20	60	7.6	24	4.7	K50	<5	130	33
AUG												
30...	1330	1090	7.3	15	20	4.8	24	1.3	9800	--	210	110
SEP												
12...	1330	554	7.9	15	45	7.8	14	2.3	260	K40	160	47

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	28	8.0	--	--	--	--	106	0	87	1.7	20	22
NOV												
15...	37	12	--	--	--	--	131	0	107	4.2	39	28
DEC												
19...	24	7.6	17	28	.8	3.4	96	0	79	1.5	23	22
JAN												
23...	27	9.5	21	29	.9	3.6	102	0	84	4.1	21	31
FEB												
16...	25	7.5	14	24	.6	3.3	87	0	71	3.5	21	20
MAR												
16...	29	8.4	19	27	.8	3.4	98	0	80	2.0	31	25
APR												
19...	30	9.3	13	19	.5	3.4	107	0	88	3.4	33	16
MAY												
23...	30	11	33	37	1.3	3.7	93	0	76	3.7	33	54
JUN												
20...	33	11	21	26	.8	3.1	120	0	98	4.8	32	31
JUL												
14...	35	11	31	33	1.2	3.4	122	0	100	3.9	35	46
AUG												
30...	43	25	130	56	3.9	7.7	120	0	98	9.6	78	240
SEP												
12...	42	14	37	32	1.3	3.8	141	0	120	2.8	62	47

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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												
26...	95	<1.0	1.2	.01	1.2	.79	.25	3	1	2	10	10
NOV												
15...	118	<1.0	1.1	.01	1.1	.37	.21	3	1	2	0	0
DEC												
19...	95	<1.0	.35	.03	.38	.51	.08	2	1	1	0	0
JAN												
23...	140	<1.0	.45	.02	.47	.59	.20	2	1	1	0	0
FEB												
16...	146	<1.0	.54	.02	.56	1.1	.17	3	2	1	0	0
MAR												
16...	137	<1.0	.24	.01	.25	.56	.23	3	0	3	0	0
APR												
19...	41	<1.0	1.5	.03	1.5	.65	.13	2	1	1	0	0
MAY												
23...	218	<1.0	.82	.01	.83	.65	.23	2	1	1	5	0
JUN												
20...	28	<1.0	.34	.00	.34	.67	.14	4	0	4	0	0
JUL												
14...	127	<1.0	.27	.01	.28	1.1	.14	4	1	3	0	0
AUG												
30...	40	<1.0	.53	.02	.55	.78	.09	2	0	2	0	0
SEP												
12...	11	<1.0	.44	.01	.45	.75	.16	3	1	2	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)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
OCT												
26...	0	<10	<10	0	4	0	0	0	4	30	<100	<94
NOV												
15...	0	0	0	0	12	0	17	15	2	60	5	4
DEC												
19...	0	0	0	0	0	0	8	5	3	110	6	6
JAN												
23...	0	2	0	2	10	0	16	13	3	60	6	6
FEB												
16...	0	0	0	0	10	0	25	15	10	150	5	5
MAR												
16...	0	2	0	2	0	0	9	1	8	70	5	3
APR												
19...	0	5	2	3	0	0	4	2	2	40	9	9
MAY												
23...	5	0	0	0	5	0	11	8	3	40	7	7
JUN												
20...	0	1	0	1	10	0	6	4	2	40	4	4
JUL												
14...	0	2	1	1	0	0	8	4	4	10	9	6
AUG												
30...	0	0	0	0	10	0	5	3	2	20	2	2
SEP												
12...	0	0	0	0	0	1	5	2	3	10	4	4

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 26...	6	.0	.0	.0	<50	<49	1	0	0	0	1.3
NOV 15...	1	.0	.0	.0	10	7	3	1	0	1	.0
DEC 19...	0	.0	.0	.0	16	14	2	0	0	0	.0
JAN 23...	0	.0	.0	.0	13	13	0	0	0	0	.0
FEB 16...	0	.7	.7	.0	7	4	3	1	0	1	1.0
MAR 16...	2	.0	.0	.0	8	8	0	0	0	0	1.0
APR 19...	0	.0	.0	.0	4	4	0	0	0	0	.0
MAY 23...	0	.1	.1	.0	9	9	0	0	0	0	1.0
JUN 20...	0	.0	.0	.0	7	5	2	0	0	0	1.4
JUL 14...	3	.0	.0	.0	10	7	3	0	0	0	.6
AUG 30...	0	.0	.0	.0	2	2	0	0	0	0	--
SEP 12...	0	.0	.0	.0	3	1	2	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 (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 26...	20	0	50	8.2	.00	2	0	.0	.00	.000	.0	.000
NOV 15...	20	10	10	9.2	.00	4	0	.0	.00	.000	.0	.000
DEC 19...	30	30	0	8.6	.00	0	--	.0	.00	.000	.0	.000
JAN 23...	30	20	10	9.6	.00	2	0	.0	.00	.000	.0	.000
FEB 16...	30	10	20	7.9	.00	1	0	.0	.00	.000	.0	.000
MAR 16...	30	20	10	8.7	.00	0	0	.0	.00	.000	.0	.000
APR 19...	20	10	10	5.4	.00	2	0	.0	.00	.000	.0	.000
MAY 23...	30	10	20	9.9	.00	2	0	.0	.00	.000	.0	.000
JUN 20...	20	10	10	8.7	.00	3	0	.0	.00	.000	.0	.000
JUL 14...	20	10	10	12	.00	3	0	.0	.00	.000	.0	.000
AUG 30...	10	0	10	7.0	.00	2	0	.0	.00	.000	.0	.000
SEP 12...	10	10	0	8.6	.00	2	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 15...	.000	.000	.01	.004	.000	.002	.00	.000	.001	.001	.00	.00
DEC 19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 23...	.000	.002	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
FEB 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR 19...	.000	.002	.02	.003	.000	.003	.00	.000	.001	.000	.00	.00
MAY 23...	.000	.000	.01	.005	.000	.002	.00	.000	.001	.000	.00	.00
JUN 20...	.000	.002	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
JUL 14...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.006	.00	.00
AUG 30...	.000	.000	.02	.003	.000	.000	.00	.000	.000	.001	.00	.00
SEP 12...	.000	.000	.01	.002	--	.001	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 26...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	7.10	.560
NOV 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	6.73	.000
DEC 19...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	5.90	.000
JAN 23...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.01	5.76	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.05	.01	.00	4.58	.000
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	.11	.01	.00	2.76	.000
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	.00	6.09	.000
MAY 23...	.00	.00	.00	.00	0.0	.00	.00	.05	.02	.01	4.20	.000
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.06	.02	.06	64.7	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.07	.01	.05	49.0	.000
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	9.78	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	.08	.01	.05	21.7	.000

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 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
26...	1320	866	7.9	15	60	8.4	43	.8	--	--	180	78
NOV												
15...	1215	5180	8.0	10	55	9.4	290	1.8	900	110	620	510
DEC												
19...	1315	301	8.0	25	70	9.5	30	1.1	800	140	110	28
JAN												
23...	1305	403	7.7	20	60	12.0	21	1.1	880	110	130	38
FEB												
16...	1315	570	7.6	20	80	12.2	26	2.9	K340	52	120	61
MAR												
16...	1240	418	7.7	15	90	10.6	15	2.1	K1000	68	130	50
APR												
19...	1245	325	7.6	20	80	7.5	26	1.0	K1600	130	110	22
MAY												
23...	1150	298	7.6	40	100	6.7	25	.7	K1000	K72	110	33
JUN												
20...	1145	2260	8.1	20	50	7.7	30	1.1	1600	K52	300	200
JUL												
14...	1120	1380	8.0	20	35	7.6	10	1.4	440	K100	250	130
AUG												
30...	1250	6210	7.5	20	10	5.2	85	2.1	6000	120	710	620
SEP												
12...	1315	17600	8.0	5	9	9.1	36	1.5	K20	K4	1900	1800

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	41	20	--	--	--	--	130	0	110	2.6	63	140
NOV												
15...	65	110	--	--	--	--	133	0	109	2.1	230	1500
DEC												
19...	29	8.1	15	23	.6	2.9	100	0	82	1.6	39	21
JAN												
23...	34	12	24	27	.9	2.9	112	0	92	3.6	41	33
FEB												
16...	28	13	61	51	2.4	3.9	72	0	59	2.9	44	110
MAR												
16...	33	11	33	35	1.3	3.1	97	0	80	3.1	42	49
APR												
19...	29	9.1	14	21	.6	3.5	107	0	88	4.3	35	18
MAY												
23...	29	8.7	17	25	.7	3.1	92	0	75	3.7	31	24
JUN												
20...	47	45	330	69	8.3	15	124	0	100	1.6	100	570
JUL												
14...	51	30	170	59	4.7	8.6	142	0	120	2.3	97	290
AUG												
30...	71	130	1000	74	16	42	115	0	94	5.8	270	1900
SEP												
12...	150	370	3500	79	35	140	134	0	110	2.1	880	6200

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO_2+NO_3 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 26...	16	<1.0	1.2	.01	1.2	.82	.27	3	1	2	0	0
NOV 15...	142	<1.0	.97	.01	.98	.47	.24	3	2	1	0	0
DEC 19...	13	<1.0	.99	.01	1.0	.42	.24	3	2	1	0	0
JAN 23...	116	<1.0	1.3	.03	1.3	.52	.23	2	1	1	0	0
FEB 16...	128	<1.0	.82	.03	.85	.67	.30	2	1	1	0	0
MAR 16...	134	<1.0	.85	.02	.87	.60	.24	3	1	2	0	0
APR 19...	46	<1.0	1.6	.03	1.6	.76	.15	3	2	1	0	0
MAY 23...	42	<1.0	.86	.01	.87	.93	.16	2	1	1	5	0
JUN 20...	4	<1.0	1.1	.01	1.1	.62	.13	5	0	5	0	0
JUL 14...	29	<1.0	1.1	.01	1.1	.57	.08	3	1	2	10	0
AUG 30...	12	<1.0	.15	.01	.16	.79	.08	2	1	1	10	10
SEP 12...	21	<1.0	.23	.03	.26	.60	.08	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT 26...	0	<10	<10	0	5	0	2	0	2	10	<100	<99
NOV 15...	0	1	0	1	4	0	16	14	2	30	8	7
DEC 19...	0	0	0	0	0	0	11	6	5	90	6	6
JAN 23...	0	1	0	1	10	0	10	8	2	30	7	7
FEB 16...	0	0	0	0	10	0	25	18	7	110	4	4
MAR 16...	0	1	0	1	0	0	8	2	6	90	4	0
APR 19...	0	3	2	1	0	0	6	4	2	60	6	6
MAY 23...	5	0	0	0	0	0	8	1	7	40	5	5
JUN 20...	0	1	0	1	0	0	8	5	3	60	5	5
JUL 14...	10	2	1	1	10	0	6	2	4	20	4	1
AUG 30...	0	0	0	0	10	0	5	3	2	30	0	0
SEP 12...	0	0	0	0	20	0	4	1	3	50	3	3

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 26...	1	.0	.0	.0	<50	<49	1	0	0	0	2.3
NOV 15...	1	.0	.0	.0	12	10	2	0	0	0	--
DEC 19...	0	.0	.0	.0	14	12	2	0	0	0	.6
JAN 23...	0	.0	.0	.0	13	11	2	0	0	0	.0
FEB 16...	0	1.1	1.1	.0	6	6	0	0	0	0	--
MAR 16...	4	.0	.0	.0	9	7	2	9	0	9	1.0
APR 19...	0	.0	.0	.0	4	3	1	0	0	0	.0
MAY 23...	0	.1	.1	.0	9	9	0	0	0	0	.0
JUN 20...	0	.0	.0	.0	8	7	1	0	0	0	--
JUL 14...	3	.0	.0	.0	10	6	4	0	0	0	--
AUG 30...	0	.0	.0	.0	3	3	0	0	0	0	--
SEP 12...	0	.0	.0	.0	4	3	1	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 (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 26...	20	10	10	7.6	.00	5	0	.0	.00	.000	.0	.000
NOV 15...	50	30	20	12	.00	4	2	.0	.00	.000	.0	.000
DEC 19...	30	20	10	6.6	.00	0	0	.0	.00	.000	.0	.000
JAN 23...	30	20	10	6.0	.00	2	0	.0	.00	.000	.0	.000
FEB 16...	30	20	10	7.6	.00	1	0	.0	.00	.000	.0	.000
MAR 16...	20	10	10	5.6	.00	0	0	.0	.00	.000	.0	.000
APR 19...	20	10	10	6.5	.00	4	0	.0	.00	.000	.0	.000
MAY 23...	20	0	20	7.1	.00	3	0	.0	.00	.000	.0	.000
JUN 20...	20	10	10	5.6	.00	3	0	.0	.00	.000	.0	.000
JUL 14...	20	0	20	4.6	.00	2	0	.0	.00	.000	.0	.000
AUG 30...	20	0	20	8.9	.00	2	--	.0	.00	.000	.0	.000
SEP 12...	20	0	20	5.6	.00	0	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 15...	.000	.000	.01	.002	.000	.001	.00	.000	.000	.001	.00	.00
DEC 19...	.000	.002	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
JAN 23...	.000	.000	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00
FEB 16...	.000	.004	.02	.002	.000	.000	.00	.000	.000	.000	.00	.00
MAR 16...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.002	.00	.00
APR 19...	.000	.001	.01	.003	.000	.000	.00	.000	.001	.000	.00	.00
MAY 23...	.000	.007	.01	.004	.000	.002	.00	.001	.001	.000	.00	.00
JUN 20...	.000	.000	.02	.005	.000	.002	.00	.000	.001	.000	.00	.00
JUL 14...	.000	.000	.02	.004	.000	.001	.00	.000	.001	.002	.00	.00
AUG 30...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
SEP 12...	.000	.000	.01	.002	--	.000	.00	.000	.001	.001	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 26...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	2.45	.223
NOV 15...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.01	7.60	3.90
DEC 19...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
JAN 23...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.00	.960	.000
FEB 16...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.00	1.75	.000
MAR 16...	.00	.00	.00	.00	0.0	.00	.00	.07	.03	.00	3.30	.760
APR 19...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	.01	5.27	.000
MAY 23...	.00	.00	.00	.00	0.0	.00	.00	.06	.02	.01	5.93	.000
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.06	.01	.00	8.88	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	10.6	.000
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.05	.01	.00	18.1	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	12.4	.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, 83 micromhos Apr. 25, 1977.
pH: Maximum, 8.4 units Aug. 3, 1977; minimum, 6.2 units Dec. 17, 18, 20, 1976, Jan. 6, 1977.
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, 498 micromhos Aug. 21; minimum, 109 micromhos Dec. 13.
pH: Maximum, 8.1 units Jan. 18, Feb. 24; minimum, 6.2 units Jan. 6.
WATER TEMPERATURES: Maximum, 33.0°C July 16; minimum, 4.5°C Jan. 21.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
NOV												
09...	1715	154	7.0	21.0	160	85	3.8	3.4	<5	--	52	3
FEB												
10...	1230	117	7.2	8.0	100	60	9.6	3.1	K1500	--	40	2
APR												
26...	1330	338	7.2	23.5	80	45	5.9	1.7	15000	--	110	6
JUL												
18...	0925	304	7.4	31.5	30	50	4.8	.4	1400	2200	100	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV											
09...	14	4.2	7.5	22	.5	5.5	60	0	49	8.0	10
FEB											
10...	10	3.7	6.7	25	.5	2.2	46	0	38	6.2	8.7
APR											
26...	27	11	22	29	.9	3.7	130	0	107	12	30
JUL											
18...	26	9.1	19	28	.8	3.7	124	0	102	6.2	26

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)	CARBON, ORGANIC TOTAL (MG/L AS C)
NOV											
09...	.1	9.0	94	88	.13	.57	1.5	2.1	9.2	2.2	16
FEB											
10...	.1	5.3	72	66	.10	.09	1.1	1.2	5.3	.24	--
APR											
26...	.1	11	194	181	.26	.45	.93	1.4	6.1	.34	--
JUL											
18...	.1	12	168	163	.23	.22	1.5	1.7	7.6	.27	--

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

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

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
NOV 09...	2	0	0	12	100	2	60	.0	20	.00

DATE	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)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)
NOV 09...	3	.0	.00	.00	.0	.00	.00	.00	.00	.00

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)
NOV 09...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	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)
NOV 09...	0	.00	.44	.14	.09

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	197	193	281	254	---	---	157	146	149	123	128	122
2	214	199	---	---	---	---	180	147	129	114	141	121
3	219	195	---	---	---	---	163	139	128	110	165	114
4	206	195	---	---	---	---	209	163	142	125	167	140
5	207	203	---	---	---	---	159	136	173	136	187	169
6	286	206	---	---	---	---	165	148	145	131	189	159
7	359	293	---	---	---	---	161	134	146	116	202	162
8	330	273	---	---	172	119	158	116	129	115	184	158
9	261	218	---	---	160	117	133	118	130	120	188	164
10	232	221	---	---	158	130	166	113	129	117	189	170
11	233	172	---	---	148	130	172	134	150	119	186	169
12	178	154	---	---	184	140	149	123	156	151	168	163
13	165	145	---	---	194	109	146	133	159	145	202	163
14	160	149	---	---	141	132	166	136	164	146	193	161
15	172	152	---	---	166	135	172	158	219	168	178	163
16	185	165	---	---	161	134	198	172	186	147	195	172
17	191	184	---	---	164	142	207	171	149	137	227	197
18	212	188	213	189	179	135	186	157	152	138	263	228
19	207	185	215	205	191	133	184	171	165	148	267	258
20	218	176	211	204	176	136	191	163	183	168	271	262
21	192	174	---	---	177	143	181	166	174	166	286	271
22	186	179	---	---	149	131	186	173	175	147	299	273
23	193	187	---	---	154	131	189	178	168	148	318	281
24	209	191	---	---	168	138	200	145	177	165	319	296
25	289	196	---	---	201	136	164	124	174	151	309	272
26	298	292	---	---	151	143	163	123	165	147	309	260
27	297	288	---	---	174	148	159	140	160	143	257	230
28	294	276	---	---	199	117	152	128	148	127	234	190
29	302	287	---	---	146	115	135	116	---	---	217	195
30	304	289	---	---	148	111	149	110	---	---	204	189
31	297	277	---	---	158	118	144	128	---	---	216	194
MONTH	359	145	281	189	201	109	209	110	219	110	319	114

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	204	189	407	336	396	372	306	264	---	---	212	191
2	230	204	348	338	408	180	305	274	324	255	217	166
3	242	208	343	337	407	313	295	283	249	229	181	160
4	218	209	380	342	415	387	293	284	249	220	175	154
5	219	210	384	379	388	301	294	287	273	251	170	154
6	224	208	385	380	295	165	304	293	284	261	202	170
7	215	204	391	284	199	156	348	306	278	202	196	173
8	218	213	336	291	176	131	359	296	269	201	214	166
9	236	218	381	337	167	124	304	294	353	276	168	132
10	310	236	389	379	195	166	319	302	362	307	160	135
11	299	222	396	384	194	176	421	318	335	304	160	141
12	252	180	397	383	185	159	421	345	396	312	156	145
13	231	181	416	382	158	145	346	289	397	298	175	151
14	235	208	412	384	166	152	331	303	352	308	190	173
15	224	212	399	378	192	162	335	304	354	332	186	163
16	252	222	411	396	195	169	325	306	336	317	184	169
17	254	249	411	380	192	175	328	322	356	325	177	158
18	259	237	369	273	191	174	330	323	370	355	173	132
19	253	232	321	247	189	174	412	325	414	366	173	148
20	241	229	316	237	211	190	---	---	475	419	188	173
21	236	228	295	254	212	207	---	---	498	471	242	191
22	250	235	284	277	213	203	---	---	478	383	219	211
23	274	250	294	283	213	204	---	---	399	377	216	206
24	292	273	296	280	215	205	---	---	397	365	290	217
25	322	293	318	275	229	214	---	---	379	355	244	223
26	335	321	338	292	233	229	---	---	382	368	241	208
27	336	319	284	251	245	232	---	---	390	373	202	147
28	327	317	271	253	270	246	---	---	387	354	200	185
29	332	321	299	269	282	263	---	---	363	165	203	189
30	407	326	326	299	283	270	---	---	199	141	198	174
31	---	---	375	326	---	---	---	---	203	186	---	---
MONTH	407	180	416	237	415	124	421	264	498	141	290	132

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	7.1	7.1	6.8	---	---	6.8	6.7	7.4	6.8	7.1	7.0
2	7.3	7.3	---	---	---	---	7.2	6.8	7.3	7.1	7.1	6.9
3	7.5	7.3	---	---	---	---	7.0	6.7	7.3	7.1	7.8	6.9
4	7.5	7.3	---	---	---	---	7.2	6.8	7.2	7.1	7.3	7.1
5	7.5	7.4	---	---	---	---	6.8	6.4	7.3	7.1	7.8	7.1
6	7.5	7.3	---	---	---	---	6.8	6.2	7.3	7.0	7.2	7.0
7	7.4	7.3	---	---	---	---	6.8	6.6	7.4	7.0	7.4	7.1
8	7.5	7.3	---	---	7.3	6.8	7.0	6.8	7.2	7.1	7.5	7.1
9	7.6	7.4	---	---	7.4	6.8	7.0	6.9	7.3	7.1	7.5	7.1
10	7.4	7.3	---	---	7.5	7.0	7.1	6.8	7.4	7.1	7.4	7.2
11	7.6	7.3	---	---	7.1	6.8	7.0	6.9	7.6	7.1	7.5	7.2
12	7.4	7.2	---	---	7.0	6.7	7.1	6.9	7.8	7.1	7.3	7.1
13	7.3	7.1	---	---	7.2	6.8	7.1	6.8	7.3	7.1	7.3	7.1
14	7.2	6.6	---	---	7.0	6.7	7.0	6.9	7.4	7.1	7.6	7.2
15	6.7	6.3	6.8	6.6	7.2	6.7	7.1	7.0	7.8	7.2	7.4	7.2
16	7.0	6.5	6.8	6.5	7.0	6.7	7.1	7.1	7.5	7.1	7.6	7.4
17	7.1	6.6	7.0	6.5	7.0	6.8	7.7	7.1	7.5	7.0	7.7	7.5
18	6.6	---	7.0	6.8	7.0	6.7	8.1	7.2	7.5	7.1	7.8	7.5
19	7.0	6.3	7.0	6.9	7.1	6.8	7.3	7.1	7.5	7.2	7.7	7.6
20	7.0	6.6	7.0	6.9	7.3	6.9	7.5	7.2	7.9	7.2	7.7	7.6
21	7.1	6.9	---	---	7.3	6.8	7.5	7.2	7.7	7.1	7.6	7.5
22	7.0	6.7	---	---	7.0	6.8	7.4	7.3	8.0	7.2	7.6	7.3
23	7.0	6.9	---	---	7.1	6.8	7.4	7.2	7.7	7.3	7.4	7.2
24	7.0	6.9	---	---	7.2	6.8	7.4	7.2	8.1	7.6	7.5	7.3
25	7.1	7.0	---	---	7.4	6.5	7.2	6.9	7.7	7.3	7.3	7.3
26	7.1	6.9	---	---	6.9	6.8	7.0	7.0	7.8	7.2	7.5	7.3
27	7.1	6.7	---	---	7.3	6.9	7.3	7.0	7.7	7.3	7.8	7.4
28	7.1	6.8	---	---	7.0	6.8	7.2	7.1	7.7	7.2	7.6	7.3
29	7.1	6.8	---	---	7.4	6.8	7.3	7.1	---	---	7.8	7.2
30	7.1	6.9	---	---	7.3	6.7	7.7	7.0	---	---	7.4	7.0
31	7.0	6.9	---	---	6.8	6.7	7.7	6.7	---	---	7.6	7.3
MONTH	7.6	6.3	7.1	6.5	7.5	6.5	8.1	6.2	8.1	6.8	7.8	6.9

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.4	7.2	7.6	7.4	7.1	7.0	7.1	7.0	---	---	7.2	7.0
2	7.6	7.4	7.6	7.3	7.2	6.6	7.1	6.9	7.2	7.1	7.1	6.9
3	7.6	7.3	7.3	7.1	7.1	6.8	7.1	6.9	7.1	7.0	7.4	6.9
4	7.5	7.3	7.2	7.2	7.1	7.0	7.0	6.9	7.1	7.0	7.2	6.9
5	7.6	7.4	7.2	7.1	7.1	6.9	7.0	7.0	7.2	7.1	7.1	6.9
6	7.6	7.3	7.2	7.2	7.2	6.8	7.0	7.0	7.3	7.2	7.4	6.9
7	7.4	7.3	7.3	6.9	7.1	6.8	7.1	7.0	7.3	7.1	7.3	7.0
8	7.4	7.3	7.1	7.0	7.1	6.6	7.2	7.1	7.1	6.9	7.4	7.0
9	7.3	7.2	7.1	7.0	6.6	6.5	7.1	7.0	7.1	7.1	7.2	7.0
10	7.3	7.2	7.1	7.0	6.9	6.6	7.1	7.0	7.2	7.0	7.3	6.8
11	7.4	7.1	7.1	7.1	6.9	6.7	7.1	7.0	7.2	7.1	7.1	6.7
12	7.3	7.0	7.1	7.1	6.9	6.7	7.2	7.1	7.3	7.1	7.0	6.7
13	7.2	7.0	7.1	7.1	7.0	6.7	7.2	7.1	7.2	7.1	6.8	6.7
14	7.5	7.1	7.2	7.1	7.1	6.7	7.2	7.1	7.2	7.1	7.1	6.8
15	7.2	7.0	7.2	7.1	7.3	6.8	7.1	7.1	7.3	7.1	6.8	6.7
16	7.2	7.1	7.2	7.1	7.4	6.9	7.4	7.1	7.2	7.1	7.3	6.8
17	7.3	7.1	7.4	7.1	7.3	6.9	7.4	7.1	7.2	7.1	7.0	6.7
18	7.3	7.0	7.3	7.1	7.3	7.0	7.3	7.0	7.3	7.1	7.1	6.7
19	7.2	7.1	7.2	6.8	7.1	7.0	7.2	7.1	7.4	7.2	6.8	6.6
20	7.2	7.0	7.1	6.8	7.3	7.1	---	---	7.4	7.2	6.8	6.7
21	7.3	7.2	6.8	6.7	7.3	7.1	---	---	7.5	7.3	6.8	6.7
22	7.3	7.2	6.8	6.7	7.3	7.2	---	---	7.5	7.3	6.8	6.7
23	7.4	7.2	6.9	6.8	7.3	7.2	---	---	7.7	7.2	6.8	6.7
24	7.3	7.3	6.8	6.7	7.4	7.1	---	---	7.5	7.3	6.9	6.8
25	7.4	7.3	6.9	6.7	7.4	7.2	---	---	7.3	7.2	6.9	6.8
26	7.5	7.3	7.0	6.8	7.4	7.1	---	---	7.2	7.1	6.9	6.8
27	7.7	7.4	6.9	6.8	7.4	7.1	---	---	7.2	7.1	7.0	6.7
28	7.6	7.1	7.0	6.9	7.3	7.1	---	---	7.1	7.0	6.8	6.6
29	7.6	7.4	7.0	6.9	7.3	7.1	---	---	7.3	7.0	6.8	6.8
30	7.6	7.4	7.0	6.8	7.2	7.1	---	---	7.2	7.1	6.8	6.8
31	---	---	7.1	6.9	---	---	---	---	7.2	7.0	---	---
MONTH	7.7	7.0	7.6	6.7	7.4	6.5	7.4	6.9	7.7	6.9	7.4	6.6

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.5	2.9	---	---			---	---	---	---	---	---
2	4.4	3.6	---	---			---	---	10.8	10.3	---	---
3	4.3	2.6	---	---			---	---	10.4	10.3	---	---
4	3.0	2.7	---	---			---	---	10.2	7.7	---	---
5	3.1	2.7	---	---			---	---	---	---	---	---
6	3.2	2.5	---	---			---	---	---	---	---	---
7	2.8	1.7	---	---			---	---	---	---	---	---
8	2.6	1.7	---	---			---	---	---	---	---	---
9	2.8	1.8	---	---			---	---	---	---	---	---
10	2.0	1.2	---	---			---	---	---	---	---	---
11	2.6	1.9	---	---			---	---	---	---	---	---
12	2.2	2.0	---	---			---	---	---	---	---	---
13	2.2	2.0	---	---			---	---	---	---	---	---
14	2.4	.3	---	---			---	---	---	---	---	---
15	.4	.3	---	---			---	---	---	---	---	---
16	1.1	.2	---	---			---	---	---	---	---	---
17	1.6	.3	---	---			---	---	7.2	5.9	---	---
18	.8	.3	.5	.1			7.8	7.1	7.1	6.7	3.6	2.2
19	---	---	.4	.2			8.2	6.2	6.9	6.2	3.6	3.2
20	---	---	.3	.0			8.7	8.1	6.2	5.9	3.6	3.0
21	---	---	---	---			8.7	8.3	6.4	6.0	3.0	2.0
22	---	---	---	---			8.5	7.7	6.5	6.3	3.2	1.8
23	---	---	---	---			---	---	6.3	5.4	5.0	2.8
24	---	---	---	---			---	---	---	---	6.1	3.9
25	---	---	---	---			---	---	---	---	5.8	3.4
26	---	---	---	---			---	---	---	---	6.7	5.8
27	---	---	---	---			---	---	---	---	6.7	5.7
28	---	---	---	---			---	---	---	---	6.0	3.7
29	---	---	---	---			---	---	---	---	4.8	4.0
30	---	---	---	---			---	---	---	---	4.7	2.7
31	---	---	---	---			---	---	---	---	4.5	3.8
MONTH	4.5	.2	.5	.0			8.7	6.2	10.8	5.4	6.7	1.8

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.4	3.6	---	---	4.8	2.1	4.2	1.6	---	---	3.0	2.9
2	4.0	3.0	---	---	7.5	4.1	3.6	1.5	2.8	1.1	3.0	2.7
3	4.0	2.7	---	---	4.7	3.5	3.8	1.1	3.1	1.5	2.8	2.2
4	3.8	3.0	---	---	4.0	2.2	3.1	1.1	2.9	1.6	2.9	2.5
5	3.5	2.4	---	---	4.5	1.8	3.8	1.3	2.1	1.1	3.3	2.5
6	2.9	2.2	---	---	7.3	2.1	2.7	1.4	2.8	1.4	3.5	2.2
7	2.7	1.9	---	---	6.2	4.6	---	---	2.7	1.8	2.8	2.1
8	2.9	2.3	---	---	4.5	3.5	---	---	---	---	2.7	1.8
9	3.2	2.3	---	---	3.8	3.1	---	---	---	---	5.1	2.1
10	3.5	2.8	---	---	3.3	2.1	---	---	---	---	5.0	2.9
11	3.7	2.2	---	---	4.0	2.6	---	---	---	---	---	---
12	3.9	.2	---	---	4.1	3.0	---	---	---	---	---	---
13	3.9	3.2	---	---	2.9	2.2	---	---	---	---	---	---
14	3.5	2.8	---	---	2.8	2.2	---	---	---	---	---	---
15	2.9	2.7	---	---	3.3	1.1	---	---	---	---	---	---
16	2.8	2.2	---	---	3.2	1.1	---	---	---	---	---	---
17	2.4	1.8	---	---	4.0	2.7	---	---	---	---	---	---
18	1.9	1.4	---	---	4.4	3.1	---	---	---	---	---	---
19	2.1	1.7	---	---	4.9	3.9	---	---	---	---	---	---
20	3.6	2.1	---	---	4.6	3.2	---	---	---	---	---	---
21	3.0	2.3	---	---	4.5	2.9	---	---	---	---	---	---
22	3.0	2.2	---	---	5.6	3.0	---	---	---	---	---	---
23	3.4	2.4	---	---	5.0	2.6	---	---	---	---	---	---
24	3.2	2.5	---	---	5.3	2.2	---	---	---	---	---	---
25	4.1	3.0	---	---	6.2	2.8	---	---	---	---	---	---
26	---	---	---	---	7.0	3.0	---	---	---	---	---	---
27	---	---	---	---	6.9	3.0	---	---	---	---	---	---
28	---	---	---	---	4.5	1.6	---	---	---	---	---	---
29	---	---	---	---	4.1	1.3	---	---	---	---	---	---
30	---	---	---	---	3.2	1.3	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	3.4	3.0	---	---
MONTH	4.4	.2	---	---	7.5	1.1	4.2	1.1	3.4	1.1	5.1	1.8

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.

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.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.5°C July 13; minimum daily, 6.0°C Jan. 21.
CHLORIDE: Maximum daily, 380 mg/L Aug. 29; minimum daily, 8.0 mg/L Feb. 19.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	23.5	17.5	13.0	8.0	13.0	16.5	20.5	---	32.0	30.0	28.0
2	29.5	23.0	17.5	13.0	8.5	16.0	18.5	23.0	27.5	31.5	30.0	28.5
3	26.5	20.5	18.0	9.5	8.5	15.5	17.5	23.0	27.0	31.5	30.0	28.5
4	23.5	18.5	18.5	12.0	8.5	12.0	17.0	21.5	28.0	31.0	31.0	29.5
5	24.5	18.5	20.0	12.0	8.5	11.5	17.5	21.0	28.0	31.5	31.5	28.5
6	24.5	20.0	19.0	---	9.0	12.0	18.5	24.0	28.0	31.5	31.0	29.5
7	27.5	20.5	14.0	---	8.5	23.0	21.5	20.5	27.0	31.0	29.5	29.0
8	27.5	21.0	12.5	---	7.5	15.5	23.0	23.0	27.5	31.5	30.0	29.0
9	29.0	22.5	12.5	---	7.0	23.0	23.0	26.0	28.5	30.5	29.5	29.0
10	23.0	17.5	12.5	---	7.0	11.5	22.0	25.5	28.5	31.5	28.0	27.5
11	24.5	17.5	12.5	---	8.0	14.5	17.5	26.5	28.0	31.5	31.5	26.5
12	19.5	15.5	12.0	---	9.5	14.0	19.0	26.5	28.0	31.5	30.5	27.0
13	19.0	16.0	11.0	---	9.5	15.0	18.0	26.0	29.0	32.5	28.5	27.5
14	19.0	17.5	13.0	---	11.5	16.0	20.0	24.5	29.0	31.5	29.5	27.0
15	19.0	18.0	14.0	---	11.0	18.5	21.5	25.0	28.5	31.5	27.5	---
16	19.5	18.5	---	---	11.0	19.0	21.5	25.0	29.0	32.0	29.0	---
17	16.0	20.0	---	---	11.5	16.0	22.0	26.0	29.0	31.5	30.0	29.0
18	16.0	23.5	---	---	10.5	17.0	20.0	26.0	30.5	32.0	30.5	29.0
19	16.0	21.5	---	8.0	10.0	16.5	23.0	26.5	30.0	32.0	30.5	29.0
20	22.0	19.5	---	6.5	10.0	16.5	21.5	28.0	30.0	32.0	30.0	29.0
21	23.5	20.0	12.5	6.0	11.0	15.0	21.5	28.0	30.0	32.0	30.5	29.0
22	23.0	19.5	11.0	6.5	8.0	16.5	21.5	29.0	30.5	30.5	30.0	29.0
23	23.5	19.5	13.0	9.0	10.0	17.5	21.0	28.0	30.5	30.0	28.0	28.5
24	22.0	20.0	13.0	10.0	12.0	18.0	21.5	28.5	30.5	30.5	32.0	28.0
25	23.0	20.0	13.0	---	13.0	19.5	22.5	25.5	31.5	27.5	32.0	26.5
26	22.5	18.0	12.5	---	11.5	18.0	25.0	25.5	30.5	28.0	32.0	27.5
27	22.0	17.5	23.5	---	12.5	17.0	20.5	28.5	---	28.0	31.0	27.5
28	23.0	18.5	12.5	---	15.0	17.5	20.5	28.5	30.5	28.0	29.5	27.5
29	23.5	30.0	13.0	---	---	18.0	21.0	29.0	30.0	31.0	27.5	25.5
30	24.5	19.5	12.5	---	---	16.5	21.0	---	30.0	31.0	27.0	25.0
31	24.5	---	12.0	---	---	16.5	---	---	---	31.5	27.5	---
MONTH	23.0	20.0	14.5	---	10.0	16.5	20.5	25.5	29.0	31.0	30.0	28.0
YEAR	MAX	32.5	MIN	6.0	MEAN	22.0						

295845091313000 BAYOU TECHE AT CHARENTON, LA (CE 64380)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	36	53	17	29	28	25	30	---	66	27	82
2	60	38	28	19	24	24	20	28	40	64	29	62
3	22	28	32	16	24	25	22	34	40	46	52	57
4	16	22	38	14	24	19	32	34	40	44	37	47
5	29	26	28	17	18	22	24	36	34	31	29	35
6	17	20	30	---	16	24	29	34	36	40	32	32
7	19	26	29	---	23	24	24	32	34	33	50	26
8	29	25	27	---	29	35	24	34	36	39	38	29
9	---	23	21	---	21	19	22	36	36	36	36	27
10	20	26	15	---	18	20	22	30	30	32	39	28
11	38	29	13	---	18	19	24	32	30	31	39	36
12	25	22	35	---	16	21	32	28	30	25	37	30
13	29	22	20	---	23	21	29	30	32	31	37	34
14	42	30	19	---	39	36	22	31	19	34	36	28
15	36	34	---	---	24	---	21	27	15	35	34	29
16	40	36	---	---	17	26	22	26	18	28	32	29
17	23	34	---	---	16	20	20	30	20	23	38	28
18	43	44	---	---	16	20	23	34	19	26	51	24
19	34	28	---	34	8.0	26	22	33	19	---	41	40
20	24	28	---	18	12	22	26	38	18	48	41	38
21	23	56	13	33	20	42	21	32	25	27	43	31
22	23	32	16	24	20	34	22	29	18	34	39	32
23	25	34	16	25	20	36	19	33	19	36	38	35
24	37	26	22	27	20	26	20	38	16	34	48	31
25	36	22	23	24	23	26	22	38	16	27	37	31
26	26	32	17	21	34	25	24	32	16	36	37	30
27	26	31	20	23	26	26	28	41	22	32	37	32
28	25	20	11	32	33	25	34	32	16	27	41	30
29	22	28	17	35	---	26	34	40	26	35	380	28
30	29	27	19	28	---	24	38	---	32	25	220	28
31	25	---	16	23	---	27	---	---	---	27	180	---
MONTH	34	30	23	---	22	26	25	33	25	35	60	35

YEAR MAX 380 MIN 8.0 MEAN 31

07385790 CHARENTON DRAINAGE CANAL NEAR BALDWIN, LA (CE 64450)

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 1958-59, 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, 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, 35.0°C July 13; minimum daily, 6.0°C Jan. 21, 22.
CHLORIDE: Maximum daily, 470 mg/L Oct. 8; minimum daily, 12 mg/L Feb. 12.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	22.0	9.0	11.0	---	12.5	14.5	20.5	28.5	31.0	31.0	28.0
2	30.0	21.0	---	11.0	9.0	14.5	14.5	22.0	28.5	31.0	31.0	28.0
3	25.5	18.5	---	8.0	9.0	14.5	14.5	21.0	28.5	31.0	31.0	28.0
4	22.5	20.0	---	9.5	9.0	10.5	14.5	21.0	26.5	32.0	33.0	29.0
5	25.0	20.0	---	8.5	9.0	10.5	15.5	21.0	26.5	31.5	33.0	29.0
6	25.0	20.0	---	8.5	9.0	11.0	18.5	22.0	27.0	31.5	33.0	28.0
7	25.0	20.0	---	13.0	7.5	12.5	---	22.0	27.0	31.0	33.0	30.0
8	23.5	20.0	---	13.0	6.5	12.0	20.5	23.5	28.5	31.0	31.0	30.0
9	23.5	20.5	---	9.5	8.0	12.0	20.5	24.0	28.5	31.0	31.0	30.5
10	23.5	18.0	---	9.0	8.0	12.0	21.0	24.5	28.0	32.0	32.0	30.5
11	24.0	18.0	---	9.0	7.0	11.0	18.0	25.0	28.0	32.0	30.5	27.5
12	18.0	14.5	---	10.0	7.0	11.0	19.0	25.0	29.0	31.5	30.5	28.5
13	13.5	14.5	---	10.0	8.0	16.5	17.5	24.0	31.5	35.0	30.5	28.5
14	13.5	16.0	---	9.5	12.0	15.5	17.5	24.0	30.0	34.0	31.0	28.0
15	18.0	17.5	---	6.5	11.5	16.0	20.5	23.0	28.0	34.0	31.0	28.0
16	18.0	18.0	---	7.5	12.5	18.5	20.5	24.5	28.0	34.0	31.0	27.5
17	18.0	20.0	---	8.0	12.5	18.5	21.0	25.5	30.0	31.0	32.0	27.5
18	19.5	---	---	9.0	9.0	14.0	20.0	23.5	30.0	34.0	32.0	27.5
19	21.0	---	---	7.5	9.0	14.0	20.5	23.5	30.0	34.5	32.0	27.5
20	21.0	---	---	7.5	9.0	14.0	21.5	28.0	30.0	32.0	33.0	29.0
21	21.0	---	---	6.0	8.0	13.0	21.5	28.0	30.0	32.0	30.0	29.0
22	22.5	---	9.0	6.0	8.5	16.0	20.5	28.0	30.0	31.0	30.0	29.0
23	22.5	---	9.0	7.5	8.0	14.0	20.5	27.5	30.0	31.0	31.0	29.0
24	21.0	---	8.0	7.5	8.0	14.0	20.0	27.5	30.5	29.0	31.0	29.0
25	22.0	---	9.5	12.0	10.0	18.5	21.5	28.0	30.5	29.0	31.0	27.0
26	21.0	---	9.5	8.0	10.0	19.0	21.5	28.0	31.0	30.0	31.0	28.0
27	21.5	---	10.0	8.0	10.5	17.5	21.0	29.0	34.0	30.0	30.5	29.0
28	21.5	---	8.5	7.5	11.5	18.0	21.0	29.0	30.0	30.0	30.5	28.0
29	20.5	---	11.5	7.5	---	17.0	21.0	28.5	32.5	29.0	30.5	28.0
30	20.5	---	11.5	9.0	---	18.0	21.0	29.0	32.5	29.0	30.5	30.0
31	20.5	---	11.5	8.0	---	18.0	---	28.0	---	29.0	30.5	---
MONTH	21.5	---	---	9.0	9.0	14.5	19.5	25.0	29.5	31.5	31.5	28.5
YEAR	MAX	35.0	MIN	6.0	MEAN	21.5						

07385790 CHARENTON DRAINAGE CANAL NEAR BALDWIN, LA (CE 64450)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	39	39	23	---	28	24	19	34	65	62	56
2	23	36	---	28	16	26	22	29	28	61	35	66
3	29	36	---	17	24	28	24	30	48	58	31	52
4	25	25	---	21	30	22	22	36	40	52	36	33
5	22	21	---	26	16	19	23	36	40	40	30	38
6	24	20	---	20	16	18	32	32	37	34	20	36
7	24	23	---	23	17	32	---	32	32	32	35	42
8	470	27	---	17	15	33	24	31	34	36	35	40
9	420	180	---	16	17	19	24	28	30	30	---	42
10	38	36	---	22	17	33	22	29	32	42	40	42
11	36	37	---	17	23	67	18	25	32	44	30	34
12	21	40	---	24	19	32	30	24	31	36	37	24
13	19	25	---	23	22	33	36	24	47	58	33	23
14	24	52	---	18	16	42	28	26	20	54	34	24
15	22	54	---	16	22	28	28	26	21	48	34	25
16	24	45	---	21	12	26	28	32	19	50	34	28
17	15	29	---	26	13	26	34	24	26	35	32	28
18	18	---	---	21	16	46	26	25	26	37	35	28
19	19	---	---	27	27	42	38	23	19	45	35	30
20	38	---	---	25	24	42	34	26	29	47	32	28
21	26	---	---	26	21	40	34	---	26	42	36	31
22	25	---	14	25	16	36	30	---	20	38	36	31
23	25	---	18	34	26	33	28	---	20	40	40	30
24	28	---	14	31	35	33	30	---	19	33	32	36
25	27	---	28	35	24	22	28	---	23	39	26	35
26	19	---	18	18	25	22	33	---	20	32	24	39
27	19	---	20	28	25	24	35	28	39	31	26	42
28	18	---	17	21	32	27	24	26	35	22	24	29
29	32	---	15	25	---	23	22	34	34	32	36	27
30	31	---	33	24	---	26	23	30	34	27	30	39
31	36	---	20	29	---	24	---	30	---	30	28	---
MONTH	53	---	---	23	21	31	28	28	30	41	33	35

YEAR MAX 470 MIN 12 MEAN 33

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", 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.

PERIOD OF RECORD.--Water years 1966 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1965 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1965. Sensor is 2 ft (0.6 m) above stream bottom.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 6,200 micromhos July 11, 1972; minimum, 35 micromhos Dec. 7, 1971.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 470 micromhos Aug. 4; minimum, 60 micromhos Aug. 30.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	215	100	180	120	270	300	310	275	245	---	105
2	210	230	130	175	90	270	280	330	315	240	240	130
3	245	200	130	185	100	290	275	325	---	230	400	155
4	310	170	140	200	95	265	290	375	---	240	470	160
5	330	165	150	195	95	265	265	370	---	240	---	155
6	310	215	150	185	100	280	260	---	255	240	---	180
7	265	235	145	185	110	275	260	---	140	235	---	195
8	280	235	145	105	110	275	265	---	85	240	---	185
9	245	220	140	90	115	275	275	---	130	235	---	170
10	180	225	140	170	125	280	280	385	145	225	---	160
11	140	225	140	180	125	265	275	320	160	235	---	135
12	75	225	155	175	130	270	210	290	150	245	---	135
13	85	230	160	155	140	275	170	255	155	230	---	130
14	120	225	110	160	145	275	220	290	160	240	---	150
15	140	215	135	205	165	285	220	305	160	250	---	170
16	175	225	140	205	165	280	220	295	165	220	---	170
17	195	240	130	170	195	280	225	275	170	220	---	175
18	180	240	145	155	210	280	245	220	180	230	---	220
19	170	245	160	175	220	280	240	200	195	240	---	230
20	165	250	170	150	230	275	250	305	195	330	---	230
21	170	245	165	170	225	285	265	220	205	280	---	225
22	170	220	180	180	215	290	270	220	205	210	---	225
23	170	230	175	180	225	290	275	245	220	200	---	190
24	170	270	170	130	240	300	280	285	230	165	---	200
25	175	285	175	70	240	370	295	300	240	170	---	205
26	195	355	180	85	250	330	300	290	240	195	---	195
27	205	285	185	115	255	340	305	270	240	---	---	165
28	210	200	195	115	255	360	305	270	245	---	---	155
29	215	140	185	115	---	345	305	225	235	---	---	140
30	220	120	110	120	---	315	305	215	245	---	60	135
31	220	---	130	125	---	310	---	260	---	---	90	---
MEAN	198	226	150	155	168	292	264	283	198	232	252	173

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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
JAN												
26...	1025	66	6.8	120	90	7.8	52	3.4	13000	K3400	17	0
FEB												
17...	1035	150	7.0	80	80	7.8	33	2.7	K2600	1000	31	1
MAR												
17...	1005	611	7.1	100	180	6.6	45	6.0	200	150	82	32
APR												
20...	1100	243	6.8	120	150	5.2	46	1.2	K220	170	72	21
MAY												
24...	0955	319	6.8	60	65	2.7	36	2.3	K220	<5	70	8
JUN												
21...	0945	184	7.0	100	40	3.7	140	4.2	--	K70	51	10
JUL												
17...	1020	265	7.1	50	60	2.7	36	2.7	K2500	K130	58	4
SEP												
01...	0935	561	6.6	50	60	--	34	2.3	--	430	65	40
13...	1110	116	6.8	90	35	6.2	33	3.2	8800	42	29	3

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
26...	4.4	1.5	12	56	1.3	2.5	21	0	17	5.3	10	11
FEB												
17...	7.3	3.0	16	51	1.3	2.4	37	0	30	5.9	7.6	20
MAR												
17...	19	8.4	140	77	6.7	7.7	61	0	50	7.8	36	220
APR												
20...	16	7.7	42	54	2.2	4.1	62	0	51	16	14	66
MAY												
24...	17	8.2	43	53	2.1	5.2	75	0	62	19	15	66
JUN												
21...	11	5.6	23	48	1.4	3.5	50	0	41	8.0	11	34
JUL												
17...	14	5.5	31	52	1.8	3.4	66	0	54	8.4	11	45
SEP												
01...	10	9.6	79	70	4.3	7.0	31	0	25	12	20	140
13...	8.5	2.0	8.3	34	.7	4.6	32	0	26	8.1	8.5	11

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN												
26...	282	<1.0	.17	.05	.22	2.5	.41	4	2	2	0	0
FEB												
17...	149	<1.0	.19	.06	.25	.61	.39	3	2	1	10	10
MAR												
17...	216	<1.0	.41	.05	.46	2.3	.45	2	1	1	0	0
APR												
20...	84	<1.0	.78	.09	.87	1.8	.40	3	1	2	0	0
MAY												
24...	33	<1.0	.62	.05	.67	1.2	.39	5	3	2	0	0
JUN												
21...	44	<1.0	.04	.01	.05	.51	.09	4	1	3	0	0
JUL												
17...	28	<1.0	.76	.02	.78	.92	.36	4	2	2	0	0
SEP												
01...	152	<1.0	.05	.03	.08	.74	.32	4	1	3	0	0
13...	8	<1.0	.14	.04	.18	1.1	.48	4	0	4	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
JAN												
26...	0	1	0	1	20	0	14	9	5	240	13	12
FEB												
17...	0	1	0	1	10	0	--	--	3	130	12	11
MAR												
17...	0	1	0	1	10	0	10	3	7	100	3	3
APR												
20...	0	2	0	2	30	0	14	6	8	420	11	8
MAY												
24...	0	0	0	0	5	0	9	4	5	60	5	5
JUN												
21...	0	0	0	0	0	0	8	2	6	130	8	8
JUL												
17...	0	2	0	2	10	0	8	0	8	80	17	14
SEP												
01...	0	0	0	0	10	0	8	4	4	80	7	7
13...	0	1	1	0	0	0	7	0	7	160	8	8

DATE	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)
JAN											
26...	1	.3	.3	.0	13	10	3	1	1	0	3.0
FEB											
17...	1	.0	.0	.0	7	6	1	0	0	0	2.0
MAR											
17...	0	.0	.0	.0	9	7	2	0	0	0	--
APR											
20...	3	.0	.0	.0	6	4	2	0	0	0	1.0
MAY											
24...	0	.0	.0	.0	10	10	0	0	0	0	1.0
JUN											
21...	0	.0	.0	.0	2	2	0	0	0	0	1.0
JUL											
17...	3	.1	.1	.0	11	7	4	0	0	0	.0
SEP											
01...	0	.0	.0	.0	8	7	1	0	0	0	--
13...	0	.0	.0	.0	6	5	1	0	0	0	3.0

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN												
26...	70	50	20	12	.00	3	0	.0	.00	.000	.0	.003
FEB												
17...	60	50	10	13	.00	2	0	.0	.00	.000	.0	.004
MAR												
17...	40	30	10	12	.00	2	0	.0	.00	.000	.0	.000
APR												
20...	30	20	10	15	.00	0	0	.0	.00	.000	.0	.003
MAY												
24...	20	10	10	9.3	.00	2	0	.0	.00	.000	.0	.003
JUN												
21...	10	0	10	6.0	.00	2	0	.0	.00	.000	.0	.002
JUL												
17...	20	10	10	9.5	.00	2	0	.0	.00	.000	.0	.000
SEP												
01...	20	10	10	9.4	.00	4	0	.0	.00	.000	.0	.000
13...	20	20	0	12	.00	5	0	.0	.00	.000	.0	.004

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)
JAN												
26...	.000	.000	.02	.008	.000	.000	.00	.000	.005	.001	.00	.00
FEB												
17...	.002	.003	.02	.004	.000	.000	.00	.001	.000	.001	.00	.00
MAR												
17...	.000	.000	.05	.004	.000	.000	.00	.000	.000	.002	.00	.00
APR												
20...	.000	.000	.04	.009	.000	.000	.00	.000	.002	.000	.00	.00
MAY												
24...	.000	.003	.03	.007	.000	.000	.00	.001	.002	.000	.02	.00
JUN												
21...	.000	.002	.04	.006	.000	.000	.00	.000	.002	.000	.00	.00
JUL												
17...	.000	.000	.03	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP												
01...	.000	.000	.02	.003	.000	.000	.00	.000	.000	.002	.00	.00
13...	.001	.002	.05	.005	.000	.000	.00	.001	.005	.000	.03	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN												
26...	.00	.00	.00	.00	0.0	.00	.00	.00	.02	.01	.000	.000
FEB												
17...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	.000	.000
MAR												
17...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.00	2.99	.000
APR												
20...	.00	.00	.00	.00	0.0	.00	.00	.27	.04	.02	.000	.000
MAY												
24...	.00	.00	.00	.00	0.0	.00	.00	.11	.12	1.1	4.83	.000
JUN												
21...	.00	.00	.00	.00	0.0	.00	.00	.12	.04	.03	6.55	.000
JUL												
17...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	7.80	.000
SEP												
01...	.03	.00	.00	.00	0.0	.00	.00	.14	.07	.01	--	--
13...	.19	.00	.00	.00	0.0	.00	.00	.02	.01	.04	6.19	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
26...	1010	1120	7.2	120	50	11.2	90	2.7	K3000	560	110	72
FEB												
17...	1020	1460	7.2	100	65	10.8	42	1.6	K120	K100	130	95
MAR												
17...	1025	9160	7.5	30	80	8.8	160	1.1	K56	48	920	870
APR												
20...	1045	11900	7.7	10	40	8.3	83	1.1	K20	<5	1300	1200
MAY												
24...	0945	12200	7.9	15	30	7.6	110	3.0	5000	<5	1200	1100
JUN												
21...	0915	8290	7.8	60	30	7.7	32	1.5	1200	<5	1100	1000
JUL												
17...	1030	7440	7.6	20	30	6.8	90	.6	K5500	--	790	750
SEP												
01...	0930	2340	6.9	20	20	5.3	43	.7	--	K20	210	190
13...	1100	5670	7.6	30	20	8.7	82	2.6	2900	140	520	470

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
26...	13	18	170	76	7.2	8.5	46	0	38	4.6	41	280
FEB												
17...	14	23	200	75	7.6	9.2	43	0	35	4.3	48	370
MAR												
17...	70	180	1300	73	19	110	61	0	50	3.1	340	2500
APR												
20...	89	260	2200	77	27	82	73	0	60	2.3	520	3700
MAY												
24...	86	240	2200	78	28	88	71	0	58	1.4	540	3700
JUN												
21...	64	220	1400	73	19	61	63	0	52	1.6	340	2600
JUL												
17...	54	160	1200	75	19	52	49	0	40	2.0	280	2300
SEP												
01...	20	40	370	77	11	17	34	0	28	6.8	90	660
13...	43	100	1000	79	19	39	54	0	44	2.2	210	1800

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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)
JAN												
26...	1190	<1.0	.23	.05	.28	2.2	.60	8	7	1	0	0
FEB												
17...	390	<1.0	.21	.08	.29	.56	.29	3	3	0	0	0
MAR												
17...	91	<1.0	.12	.01	.13	2.0	.17	1	1	0	0	0
APR												
20...	62	<1.0	.13	.01	.14	.65	.07	1	1	0	0	0
MAY												
24...	19	<1.0	.00	.01	.01	.52	.08	1	1	0	0	0
JUN												
21...	29	<1.0	.60	.02	.62	.50	.37	2	0	2	0	0
JUL												
17...	26	<1.0	.02	.00	.02	.93	.13	4	1	3	10	0
SEP												
01...	31	<1.0	.14	.02	.16	.64	.07	2	0	2	0	0
13...	5	<1.0	.11	.01	.12	.76	.11	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)
JAN											
26...	0	0	0	0	20	0	24	9	15	210	27
FEB											
17...	0	1	0	1	30	0	17	0	17	40	13
MAR											
17...	0	1	0	1	10	0	5	0	5	120	3
APR											
20...	0	3	0	3	20	0	8	5	3	20	6
MAY											
24...	0	0	0	0	10	0	7	4	3	20	4
JUN											
21...	0	0	0	0	5	0	5	1	4	90	4
JUL											
17...	10	3	0	3	0	0	6	0	6	30	5
SEP											
01...	0	1	0	1	10	0	6	2	4	50	5
13...	0	1	1	0	10	0	5	0	5	40	3

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)
JAN											
26...	25	2	.1	.1	.0	24	20	4	1	1	0
FEB											
17...	12	1	.2	.2	.0	9	8	1	0	0	0
MAR											
17...	3	0	.0	.0	.0	8	7	1	0	0	0
APR											
20...	4	2	.0	.0	.0	3	1	2	0	0	0
MAY											
24...	4	0	.0	.0	.0	6	6	0	0	0	0
JUN											
21...	4	0	.0	.0	.0	0	0	0	0	0	0
JUL											
17...	1	4	.1	.1	.0	7	2	5	0	0	0
SEP											
01...	2	3	.0	.0	.0	3	3	0	0	0	0
13...	1	2	.0	.0	.0	7	4	3	0	0	0

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN 26...	100	80	20	32	.00	5	0	.0	.00	.000	.0	.000
FEB 17...	40	30	10	17	.00	1	0	.0	.00	.000	.0	.000
MAR 17...	20	0	20	8.2	.00	2	0	.0	.00	.000	.0	.000
APR 20...	20	0	20	6.1	.00	0	0	.0	.00	.000	.0	.000
MAY 24...	30	10	20	7.2	.00	2	0	.0	.00	.000	.0	.000
JUN 21...	20	0	20	9.1	.00	3	0	.0	.00	.000	.0	.000
JUL 17...	30	0	30	6.4	.00	2	0	.0	.00	.000	.0	.000
SEP 01...	20	0	20	6.6	.00	5	0	.0	.00	.000	.0	.000
13...	10	0	10	7.4	.00	0	0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN 26...	.000	.000	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00
FEB 17...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
MAR 17...	.000	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
APR 20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
MAY 24...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUN 21...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 17...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP 01...	.000	.000	.01	.001	.001	.000	.00	.000	.001	.001	.00	.00
13...	.000	.000	.01	.000	--	.000	.00	.000	.000	.001	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN 26...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	1.93	.000
FEB 17...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
MAR 17...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	13.3	.690
APR 20...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.01	9.58	.000
MAY 24...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	19.5	.000
JUN 21...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.04	7.49	.000
JUL 17...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.01	14.0	.000
SEP 01...	.03	.00	.00	.00	0.0	.00	.00	.05	.02	.01	3.01	.000
13...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.210	.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.--
CHLORIDE (water year 1975): Maximum, 4,900 mg/L Oct. 30, 1975; minimum, 240 mg/L May 8, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
26...	1245	8290	7.9	10	10	8.9	160	2.5	--	--	870	800
NOV												
15...	1155	19800	8.0	10	6	--	320	--	--	140	2400	2300
DEC												
19...	1245	8270	7.9	25	25	9.0	120	.7	K72	K35	840	770
JAN												
26...	1000	8680	7.5	40	60	11.6	200	3.5	K1800	K68	840	780
FEB												
17...	1000	4540	7.4	30	40	11.4	48	2.8	<5	<5	420	370
MAR												
17...	0945	11500	7.5	20	100	8.9	96	2.7	--	K10	1100	1000
APR												
20...	1030	8450	7.5	20	45	8.4	35	1.4	<5	<5	890	830
MAY												
24...	0920	4790	8.1	15	40	8.0	76	2.2	K36	K4	510	440
JUN												
20...	1300	6650	7.8	20	9	8.3	110	2.0	K30	<5	620	560
JUL												
14...	1230	7480	7.7	20	5	7.4	59	1.5	<5	<5	760	710
AUG												
30...	1405	1030	7.4	30	15	6.5	25	.8	1100	K12	140	85
SEP												
12...	1420	4480	7.3	20	10	8.9	42	.3	<5	<5	440	410

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	68	170	--	--	--	--	84	0	69	1.7	310	2400
NOV												
15...	150	480	--	--	--	--	112	0	92	1.8	920	7000
DEC												
19...	72	160	1400	77	21	43	81	0	66	1.6	350	2500
JAN												
26...	72	160	1400	77	21	58	76	0	62	3.8	360	2500
FEB												
17...	40	77	670	76	14	26	57	0	47	3.6	150	1200
MAR												
17...	96	210	1800	76	24	120	73	0	60	3.7	440	3200
APR												
20...	76	170	1500	77	22	53	72	0	59	3.6	290	2700
MAY												
24...	51	93	840	77	16	32	80	0	66	1.0	200	1400
JUN												
20...	51	120	1100	78	19	44	73	0	60	1.9	260	2000
JUL												
14...	56	150	1300	78	21	50	58	0	48	1.9	300	2300
AUG												
30...	26	19	140	67	5.1	7.0	71	0	58	4.5	64	250
SEP												
12...	39	84	780	78	16	31	42	0	34	3.4	170	1400

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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 26...	23	<1.0	.00	.01	.01	.51	.12	2	0	2	0	0
NOV 15...	40	<1.0	.06	.01	.07	.43	.10	1	0	1	0	0
DEC 19...	37	<1.0	.21	.00	.21	.50	.11	1	0	1	0	0
JAN 26...	334	<1.0	.27	.01	.28	3.5	.27	3	2	1	10	10
FEB 17...	38	<1.0	.32	.02	.34	.54	.10	1	1	0	0	0
MAR 17...	105	<1.0	.01	.01	.02	.66	.19	1	1	0	0	0
APR 20...	46	<1.0	.29	.01	.30	.80	.10	2	1	1	0	0
MAY 24...	71	<1.0	.13	.02	.15	.70	.09	2	1	1	0	0
JUN 20...	5	<1.0	.05	.00	.05	.44	.07	3	0	3	0	0
JUL 14...	2	<1.0	.02	.00	.02	.61	.08	2	0	2	10	0
AUG 30...	49	<1.0	.25	.01	.26	.64	.09	2	0	2	10	10
SEP 12...	3	<1.0	.10	.05	.15	.64	.09	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 26...	0	10	10	0	20	0	2	0	2	20	<100
NOV 15...	0	1	0	1	0	0	5	0	5	50	2
DEC 19...	0	0	0	0	0	0	3	1	2	40	2
JAN 26...	0	1	0	1	10	0	13	3	10	120	8
FEB 17...	0	2	0	2	10	0	39	37	2	40	5
MAR 17...	0	1	0	1	10	0	5	3	2	180	1
APR 20...	0	2	0	2	10	0	3	0	3	30	3
MAY 24...	0	0	0	0	10	0	7	4	3	0	3
JUN 20...	0	1	0	1	0	0	4	2	2	30	3
JUL 14...	10	1	0	1	0	0	7	3	4	20	8
AUG 30...	0	0	0	0	0	0	6	2	4	20	2
SEP 12...	0	0	0	0	10	0	4	1	3	20	3

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
OCT 26...	<99	1	.0	.0	.0	<50	<49	1	0	0	0
NOV 15...	1	1	.0	.0	.0	4	3	1	0	0	0
DEC 19...	2	0	.1	.1	.0	6	4	2	0	0	0
JAN 26...	7	1	.0	.0	.0	11	7	4	0	0	0
FEB 17...	5	0	.4	.4	.0	15	13	2	0	0	0
MAR 17...	1	0	.0	.0	.0	4	3	1	0	0	0
APR 20...	3	0	.0	.0	.0	10	5	5	0	0	0
MAY 24...	3	0	.0	.0	.0	6	6	0	0	0	0
JUN 20...	3	0	.1	.1	.0	6	5	1	0	0	0
JUL 14...	6	2	.0	.0	.0	10	7	3	0	0	0
AUG 30...	2	0	.0	.0	.0	3	3	0	0	0	0
SEP 12...	2	1	.0	.0	.0	3	1	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 (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 26...	20	10	10	10	.00	4	0	.0	.00	.000	.0	.000
NOV 15...	40	0	40	8.8	.00	2	0	.0	.00	.000	.0	.000
DEC 19...	30	20	10	8.9	.00	2	0	.0	.00	.000	.0	.000
JAN 26...	50	20	30	49	.00	4	0	.0	.00	.000	.0	.000
FEB 17...	30	10	20	8.7	--	--	0	.0	.00	.000	.0	.000
MAR 17...	30	20	10	9.0	.00	1	0	.0	.00	.000	.0	.000
APR 20...	30	10	20	9.1	.00	2	0	.0	.00	.000	.0	.000
MAY 24...	20	10	10	10	.00	1	0	.0	.00	.000	.0	.000
JUN 20...	10	0	10	7.5	.00	2	0	.0	.00	.000	.0	.000
JUL 14...	20	0	20	7.4	.00	1	0	.0	.00	.000	.0	.000
AUG 30...	10	0	10	--	.00	2	0	.0	.00	.000	.0	.000
SEP 12...	10	10	0	9.7	.00	1	--	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV 15...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
DEC 19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JAN 26...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
FEB 17...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
MAR 17...	.000	.003	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00
APR 20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY 24...	.000	.000	.02	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUN 20...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 14...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.001	.00	.00
AUG 30...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.001	.00	.00
SEP 12...	.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)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 26...	.00	.00	.00	.00	0.0	.00	.00	.02	.01	.02	4.70	.533
NOV 15...	.00	.00	.00	.00	0.0	.00	.00	.01	.03	.01	2.50	.000
DEC 19...	.00	.00	.00	.00	0.0	.00	.00	.01	.02	.00	4.90	.000
JAN 26...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.00	7.73	.000
FEB 17...	.00	.00	.00	.00	0.0	.00	.00	.03	.01	.01	8.84	1.00
MAR 17...	.00	.00	.00	.00	0.0	.00	.00	.06	.01	.01	26.6	3.95
APR 20...	.00	.00	.00	.00	0.0	.00	.00	.14	.01	.11	13.1	1.36
MAY 24...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.07	51.8	.700
JUN 20...	.00	.00	.00	.00	0.0	.00	.00	.05	.01	.07	16.2	.000
JUL 14...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.03	4.20	.000
AUG 30...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.03	1.44	.000
SEP 12...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	.000	.000

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	---	6.0	14.0	11.0		27.5		---	27.0
2			---	---	---	13.5	18.0		27.5		---	29.0
3			---	---	---	11.0	18.0		27.5		---	29.0
4			---	---	---	8.0	20.0		27.0		---	26.0
5			---	---	7.0	8.0	21.0		26.5		---	28.0
6			---	11.0	---	11.0	20.0		26.5		---	28.0
7			---	12.5	---	12.0	22.5		27.0		---	28.0
8			---	12.5	---	10.0	23.0		27.0		---	26.0
9			---	5.5	---	8.0	23.5		27.0		28.0	26.0
10			---	5.5	5.0	9.0	23.5		28.0		28.0	26.0
11			---	5.5	---	10.0	23.0		29.5		---	26.0
12			---	7.0	---	13.5	23.5		28.5		---	26.0
13			---	6.0	---	14.0	23.0		28.5		28.0	27.0
14			---	4.5	---	14.5	23.0		28.0		28.0	28.0
15			13.0	3.5	9.5	15.0	22.0		---		28.0	28.0
16			15.0	6.0	9.0	15.0	22.5		27.5		28.0	28.0
17			---	5.5	10.0	15.5	22.5		28.0		---	28.0
18			13.5	4.5	8.0	18.0	23.0		---		---	29.0
19			---	4.0	8.5	14.0	23.0		---		---	29.0
20			14.5	2.5	9.0	17.5	---		---		---	29.0
21			10.5	2.0	7.0	17.5	---		---		---	28.0
22			8.0	4.0	7.0	18.0	---		---		---	29.0
23			10.0	5.5	9.0	17.0	---		---		---	27.0
24			11.0	9.0	9.0	14.5	---		---		---	26.0
25			13.0	---	11.5	14.0	---		---		---	26.0
26			13.5	---	12.0	16.5	---		---		---	26.0
27			13.5	6.5	12.0	16.0	---		---		---	26.0
28			14.5	---	14.5	17.5	---		---		---	26.0
29			15.0	---	---	17.0	---		---		---	25.0
30			15.0	---	---	17.5	---		---		---	24.0
31			---	---	---	17.0	---		---		---	---
MONTH			---	---	---	14.0	---		---		---	27.0

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	---	2200	6400	4400		2000		---	1800
2			---	---	---	5800	3900		2000		---	1900
3			---	---	---	4000	4100		2000		---	1800
4			---	---	---	3500	3800		2100		---	1700
5			---	---	2000	3600	3400		2000		---	1800
6			---	3300	---	3100	3500		2100		---	1700
7			---	3300	---	3200	3600		2100		---	1700
8			---	2800	---	3300	2600		2000		---	1700
9			---	3000	---	3500	2400		2100		2100	1600
10			---	2800	1600	3500	2300		2000		2300	1500
11			---	2100	---	3600	2500		2000		---	1500
12			---	2900	---	3400	3100		2000		---	1500
13			---	2800	---	3600	3000		1600		2300	1400
14			---	2100	---	4000	1600		1200		2400	1600
15			2900	2400	1300	3300	1400		---		2200	1500
16			2800	2400	1200	3200	2100		1400		2300	1500
17			---	2200	1400	3300	2500		1700		---	1400
18			2700	2000	1100	3300	2400		---		---	1400
19			---	2200	1200	3200	2400		---		---	1400
20			2700	2200	1200	3300	---		---		---	1200
21			2600	1800	1200	3400	---		---		---	1200
22			2200	3000	1200	4100	---		---		---	1300
23			2000	3400	1100	4000	---		---		---	1300
24			3600	2800	2800	4200	---		---		---	1200
25			3200	---	1800	3900	---		---		---	1200
26			3100	---	1700	4000	---		---		---	1200
27			3100	2800	4600	3800	---		---		---	1000
28			3100	---	3400	3900	---		---		---	1000
29			3100	---	---	3900	---		---		---	1100
30			3100	---	---	3500	---		---		---	1100
31			---	---	---	4400	---		---		---	---
MONTH			---	---	---	3800	---		---		---	1400

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.

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, 31.0°C June 28, 29, July 4, 10; minimum daily, 7.0° Jan. 19, 21, 22, 23.
CHLORIDE: Maximum daily, 4,200 mg/L Apr. 11; minimum daily, 14 mg/L Jan. 31.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
26...	1230	1150	7.1	70	50	5.9	93	2.3	--	--	130	87
NOV												
15...	1105	565	7.3	80	90	--	83	--	K700	K60	84	43
DEC												
19...	1115	127	7.5	40	70	6.6	57	4.3	6400	1400	23	0
JAN												
26...	1035	309	6.8	200	70	9.6	63	2.5	K3400	820	34	15
FEB												
17...	1055	546	6.8	80	80	9.1	41	2.1	--	92	57	32
MAR												
17...	1035	4030	7.4	50	300	7.4	130	1.4	660	K200	400	330
APR												
20...	1145	4770	7.1	40	130	6.3	64	1.7	--	320	510	460
MAY												
24...	1000	6270	7.4	40	70	4.8	82	1.4	K180	K60	680	620
JUN												
21...	1000	2290	7.4	50	40	7.1	54	.4	1100	900	230	190
JUL												
17...	1045	2080	7.3	40	55	4.8	57	2.0	1100	K180	220	160
SEP												
01...	0950	262	6.6	100	40	--	33	3.0	K5500	K660	36	8
13...	1120	340	7.1	150	60	5.7	45	3.8	8400	K100	57	11

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	17	21	--	--	--	--	53	0	43	6.7	45	300
NOV												
15...	17	10	--	--	--	--	50	0	41	4.0	18	150
DEC												
19...	5.2	2.4	13	51	1.2	3.3	36	0	30	1.8	6.6	15
JAN												
26...	6.1	4.5	40	70	3.0	3.0	23	0	19	5.8	13	65
FEB												
17...	8.8	8.6	71	71	4.1	3.4	31	0	25	7.9	16	120
MAR												
17...	40	73	640	77	14	5.7	81	0	66	5.2	150	1100
APR												
20...	67	82	710	74	14	29	56	0	46	7.1	190	1300
MAY												
24...	57	130	1000	75	17	42	75	0	62	4.8	230	1800
JUN												
21...	24	41	360	76	10	16	49	0	40	3.1	85	630
JUL												
17...	26	38	320	75	9.4	12	69	0	57	5.5	70	550
SEP												
01...	6.9	4.5	34	62	2.5	6.8	34	0	28	14	12	51
13...	11	7.2	45	60	2.6	5.5	56	0	46	7.1	13	74

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 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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												
26...	92	<1.0	.48	.03	.51	1.5	.46	3	2	1	0	0
NOV												
15...	468	<1.0	.33	.03	.36	.37	.22	3	2	1	0	0
DEC												
19...	156	<1.0	.43	.05	.48	2.8	.27	3	2	1	0	0
JAN												
26...	336	<1.0	.28	.05	.33	.69	.22	3	2	1	0	0
FEB												
17...	332	<1.0	.15	.08	.23	.66	.16	2	1	1	0	0
MAR												
17...	480	<1.0	.31	.02	.33	1.3	.33	3	3	0	0	0
APR												
20...	228	<1.0	.20	.04	.24	1.1	.15	2	1	1	0	0
MAY												
24...	58	<1.0	.35	.03	.38	3.5	.10	2	0	2	0	0
JUN												
21...	44	<1.0	.20	.01	.21	.68	.12	2	1	1	0	0
JUL												
17...	66	<1.0	.06	.02	.08	.78	.08	3	1	2	10	0
SEP												
01...	103	<1.0	.08	.01	.09	.94	.29	3	0	3	0	0
13...	114	<1.0	.11	.03	.14	.97	.22	4	2	2	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)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
OCT												
26...	0	<10	<10	0	20	0	<10	<2	8	70	<100	<100
NOV												
15...	0	1	0	1	8	0	10	8	2	160	12	11
DEC												
19...	0	0	0	0	30	0	14	10	4	100	14	14
JAN												
26...	0	0	0	0	20	0	39	35	4	150	16	15
FEB												
17...	0	1	0	1	10	0	24	17	7	90	11	11
MAR												
17...	0	1	0	1	20	0	14	8	6	160	6	6
APR												
20...	0	2	0	2	0	0	23	21	2	160	8	8
MAY												
24...	0	0	0	0	15	0	9	6	3	40	7	7
JUN												
21...	0	0	0	0	10	0	10	3	7	110	10	10
JUL												
17...	10	1	1	0	0	0	9	4	5	60	9	7
SEP												
01...	0	0	0	0	0	0	13	0	13	210	3	3
13...	0	0	0	0	10	0	10	0	10	260	7	7

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 26...	0	.0	.0	.0	<50	<49	1	0	0	0	--
NOV 15...	1	.0	.0	.0	13	12	1	0	0	0	.7
DEC 19...	0	.1	.1	.0	16	15	1	0	0	0	.3
JAN 26...	1	.0	.0	.0	13	11	2	1	1	0	--
FEB 17...	0	.3	.3	.0	15	14	1	1	1	0	--
MAR 17...	0	.0	.0	.0	14	12	2	1	1	0	--
APR 20...	0	.0	.0	.0	8	7	1	0	0	0	--
MAY 24...	0	.0	.0	.0	10	10	0	0	0	0	--
JUN 21...	0	.0	.0	.0	5	5	0	1	1	0	--
JUL 17...	2	.0	.0	.0	19	18	1	0	0	0	--
SEP 01...	0	.0	.0	.0	2	0	2	0	0	0	2.7
13...	0	.0	.0	.0	5	3	2	0	0	0	1.0

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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 26...	40	0	40	25	.00	4	--	.0	.00	.000	.0	.000
NOV 15...	30	10	20	18	.00	3	0	.0	.00	.000	.0	.000
DEC 19...	40	40	0	18	.00	1	0	.0	.00	.000	.0	.000
JAN 26...	50	40	10	18	.00	2	0	.0	.00	.000	.0	.000
FEB 17...	30	30	0	17	.00	1	0	.0	.00	.000	.0	.000
MAR 17...	50	40	10	18	.00	1	0	.0	.00	.000	.0	.000
APR 20...	40	30	10	17	.00	0	0	.0	.00	.000	.0	.000
MAY 24...	30	10	20	14	.00	2	0	.0	.00	.000	.0	.000
JUN 21...	30	20	10	13	.00	3	0	.0	.00	.000	.0	.000
JUL 17...	30	10	20	14	.00	2	0	.0	.00	.002	.0	.000
SEP 01...	--	--	40	9.8	.00	4	0	.0	.00	.000	.0	.000
13...	10	0	10	18	.00	1	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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												
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV												
15...	.000	.000	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00
DEC												
19...	.000	.000	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00
JAN												
26...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.001	.00	.00
FEB												
17...	.000	.000	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00
MAR												
17...	.000	.000	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00
APR												
20...	.000	.000	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
24...	.000	.000	.01	.001	.000	.000	.00	.000	.001	.001	.00	.00
JUN												
21...	.000	.001	.01	.002	.000	.000	.00	.000	.000	.001	.00	.00
JUL												
17...	.001	.000	.03	.002	.002	.000	.00	.000	.000	.000	.00	.00
SEP												
01...	.000	.000	.01	.003	.002	.001	.00	.000	.000	.001	.00	.00
13...	.000	.000	.00	.003	--	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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												
26...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	5.03	.483
NOV												
15...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	3.70	.000
DEC												
19...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
JAN												
26...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	.000	.000
FEB												
17...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	--	--
MAR												
17...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	2.98	.000
APR												
20...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	8.02	.000
MAY												
24...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.19	13.9	.000
JUN												
21...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.01	5.64	.000
JUL												
17...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	12.9	.000
SEP												
01...	.01	.00	.00	.00	0.0	.00	.00	.19	.02	.00	3.04	.000
13...	.00	.00	.00	.00	0.0	.00	.00	.31	.01	.00	5.96	.000

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	22.5	18.0	12.5	10.0	15.0	20.5	23.0	29.0	30.5	27.0	26.0
2	28.5	29.5	18.0	12.0	9.5	10.5	21.0	24.5	29.0	30.5	29.0	27.0
3	---	19.5	18.5	10.5	8.5	14.0	22.0	---	28.5	30.0	29.5	27.0
4	26.0	20.0	19.0	11.0	8.0	14.0	24.0	20.0	27.5	31.0	30.0	26.0
5	26.0	20.5	20.0	12.0	10.0	14.0	23.0	22.5	27.5	30.5	30.0	25.5
6	27.0	20.5	17.0	13.0	10.0	14.0	23.0	23.5	28.0	30.5	30.0	28.5
7	24.5	21.5	15.5	13.5	8.5	10.5	23.5	24.0	28.0	30.5	29.0	28.5
8	25.0	21.0	16.0	14.0	8.0	13.5	24.0	24.0	29.0	29.5	28.0	27.0
9	23.0	20.5	16.0	11.5	8.0	12.0	24.5	25.0	28.0	30.0	28.0	26.5
10	23.5	18.0	14.0	11.0	7.5	12.0	24.5	25.0	28.5	31.0	29.0	27.0
11	23.0	17.5	13.0	11.0	8.0	14.0	24.5	25.0	28.0	---	28.5	27.0
12	21.0	18.5	13.0	9.0	10.0	14.0	20.5	25.5	29.5	29.0	28.5	27.0
13	20.5	17.5	14.5	10.5	10.5	15.5	20.0	25.5	30.0	28.5	29.0	27.0
14	20.0	17.0	15.0	8.5	10.0	16.0	19.5	25.5	29.5	29.0	28.0	27.0
15	20.5	17.0	14.5	8.0	10.0	17.5	20.0	24.5	29.5	28.5	26.0	26.0
16	20.5	18.0	14.0	9.0	9.5	16.0	22.0	24.5	30.0	30.0	27.0	26.0
17	20.0	17.5	16.0	9.0	10.5	16.0	22.5	26.0	30.0	30.0	28.0	27.5
18	20.0	18.0	14.0	10.5	10.0	16.5	24.0	26.0	29.5	30.0	28.5	28.0
19	20.5	17.5	15.5	7.0	9.0	17.5	23.0	27.0	29.0	30.5	29.0	27.0
20	20.5	17.5	15.0	8.0	10.0	18.0	22.5	27.0	27.5	30.5	29.0	27.5
21	20.5	17.5	12.0	7.0	9.0	18.5	22.0	28.0	27.5	30.5	29.0	28.0
22	21.0	15.5	12.5	7.0	9.5	18.5	23.0	28.0	27.0	28.0	26.5	28.0
23	20.5	17.5	12.0	7.0	10.5	19.0	23.0	28.0	27.5	27.0	30.0	28.5
24	22.0	19.0	12.5	8.0	10.0	20.0	23.0	28.0	28.0	27.5	30.0	28.0
25	20.0	18.5	12.5	9.0	12.5	20.0	24.0	29.0	28.5	27.5	28.0	27.0
26	26.5	17.5	12.5	10.0	12.5	18.5	21.0	29.0	30.0	27.0	30.5	27.0
27	22.0	18.0	12.0	11.0	12.5	18.0	22.5	29.0	30.0	27.5	30.0	27.0
28	23.0	18.5	12.5	10.0	15.0	18.5	22.5	29.5	31.0	27.0	29.5	26.5
29	22.5	19.5	12.5	10.5	---	18.5	23.0	29.0	31.0	27.0	30.0	26.5
30	22.5	19.0	12.5	10.5	---	19.0	23.5	29.0	30.5	27.0	26.0	26.5
31	23.0	---	12.5	10.5	---	20.0	---	29.0	---	27.0	26.0	---
MONTH	23.0	19.0	14.5	10.0	10.0	16.0	22.5	26.0	29.0	29.0	28.5	27.0

YEAR MAX 31.0 MIN 7.0 MEAN 21.0

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	300	470	98	20	65	160	2600	2300	850	630	65
2	110	260	620	70	20	160	450	3000	2400	1800	520	50
3	47	300	640	56	16	220	1000	---	2600	1700	380	48
4	77	320	550	85	24	68	1600	3100	2000	1700	250	42
5	70	320	400	70	28	52	3100	2900	2100	1600	300	45
6	75	320	250	95	22	230	3600	2700	2100	1600	470	40
7	60	290	120	160	31	370	3600	3600	1600	1700	530	45
8	190	330	130	140	24	510	3300	3600	1400	850	580	90
9	240	390	120	110	16	150	3300	2700	1900	700	480	85
10	200	320	50	70	17	100	3800	3200	1400	650	530	120
11	180	280	80	120	17	92	4200	2900	1600	650	580	80
12	49	170	72	180	64	180	3300	3100	1500	600	650	70
13	37	220	68	80	71	240	3600	3200	1200	550	700	90
14	39	270	65	60	25	700	3000	3200	900	580	650	55
15	40	400	65	50	24	1000	2800	3200	700	580	600	35
16	37	500	50	100	21	300	2400	3000	650	580	600	45
17	31	530	45	50	27	180	1600	2800	700	580	600	32
18	33	570	35	45	22	540	2000	2800	600	800	630	48
19	44	1200	23	70	22	800	1900	3000	580	880	650	32
20	35	1600	37	33	22	600	2000	2600	580	820	580	48
21	100	2200	33	28	30	900	1700	2600	650	700	600	170
22	140	1400	110	35	25	1500	1700	2400	700	900	600	60
23	160	1600	64	31	24	920	1800	2500	680	1000	580	40
24	240	1100	60	120	30	1400	2300	2400	720	1100	700	40
25	290	1000	60	47	99	1300	2300	2200	880	1000	800	30
26	270	1200	40	26	34	1200	2100	2200	720	1000	900	68
27	320	600	40	25	53	970	1900	1900	850	800	950	160
28	260	480	38	22	85	800	2300	2000	800	820	1000	300
29	350	470	64	18	---	550	2500	1900	800	680	1500	380
30	310	390	100	20	---	430	2600	2100	900	610	1400	420
31	370	---	67	14	---	200	---	2200	---	610	140	---
MONTH	150	640	150	69	33	540	2400	2700	1200	940	650	94

YEAR MAX 4200 MIN 14 MEAN 800

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.

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, 31.5°C Aug. 1; minimum daily, 6.0°C Jan. 21.
CHLORIDE: Maximum daily, 4,000 mg/L Apr. 12; minimum daily, 11 mg/L Jan. 31.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
OCT												
26...	1210	667	7.3	70	60	6.9	69	1.6	--	--	84	40
NOV												
15...	1100	563	7.4	80	95	--	82	--	K900	K80	74	32
DEC												
19...	1110	128	7.5	110	70	6.7	43	4.6	6800	1000	22	0
JAN												
26...	1058	126	6.8	200	50	11.0	62	3.1	5800	1100	18	2
FEB												
17...	1105	99	6.7	100	70	10.4	43	2.1	K1000	190	17	2
MAR												
17...	1045	338	7.0	100	300	7.8	78	.8	--	120	84	64
APR												
20...	1130	4450	7.2	40	80	7.2	96	.0	K200	K72	510	480
MAY												
24...	1015	6340	7.1	30	65	4.9	80	1.3	500	K4	690	630
JUN												
21...	1015	2130	7.4	50	45	6.7	36	8.0	480	80	210	170
JUL												
17...	1100	1890	7.6	50	90	6.5	51	.4	840	190	210	160
SEP												
01...	1005	--	--	--	--	--	--	2.0	--	<730	--	--
13...	1125	372	7.0	180	65	5.8	38	3.2	10000	--	58	11

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	14	12	--	--	--	--	54	0	44	4.3	20	180
NOV												
15...	13	10	--	--	--	--	51	0	42	3.2	14	130
DEC												
19...	5.4	2.1	13	52	1.2	3.3	36	0	30	1.8	7.2	13
JAN												
26...	4.1	1.9	14	59	1.4	2.2	20	0	16	5.1	11	18
FEB												
17...	3.6	2.0	9.5	52	1.0	1.7	18	0	15	5.7	6.5	15
MAR												
17...	8.8	15	140	76	6.7	8.0	24	0	20	3.8	34	230
APR												
20...	78	77	660	73	13	24	40	0	33	4.0	180	1200
MAY												
24...	62	130	1100	76	18	44	74	0	61	9.4	260	1900
JUN												
21...	26	35	330	76	9.9	14	53	0	43	3.4	71	610
JUL												
17...	26	35	310	75	9.3	12	60	0	49	2.4	92	540
SEP												
01...	--	--	--	--	--	--	--	--	--	--	--	--
13...	11	7.3	45	60	2.6	5.8	57	0	47	9.1	14	75

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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 26...	668	<1.0	.05	.02	.07	1.3	3.3	4	3	1	20	20
NOV 15...	306	<1.0	.33	.02	.35	.50	.16	3	2	1	0	0
DEC 19...	173	<1.0	.32	.05	.37	1.6	.27	3	2	1	0	0
JAN 26...	660	<1.0	.18	.08	.26	1.1	.33	4	3	1	0	0
FEB 17...	432	<1.0	.17	.11	.28	.41	.19	3	3	0	0	0
MAR 17...	480	<1.0	.49	.04	.53	.97	.28	2	1	1	0	0
APR 20...	99	<1.0	.42	.02	.44	1.6	.05	2	1	1	0	0
MAY 24...	176	<1.0	.37	.01	.38	.76	.10	2	1	1	0	0
JUN 21...	190	<1.0	.36	.01	.37	.60	.08	2	1	1	0	0
JUL 17...	238	<1.0	.34	.02	.36	.74	.07	3	1	2	10	10
SEP 01...	--	<1.0	--	--	--	--	--	--	--	--	--	--
13...	61	<1.0	.09	.03	.12	.94	.20	3	2	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT 26...	0	<10	<10	0	50	0	<10	<4	6	110	<100	<100
NOV 15...	0	1	0	1	4	0	13	11	2	190	14	13
DEC 19...	0	0	0	0	40	0	13	7	6	110	14	14
JAN 26...	0	0	0	0	30	0	15	14	1	100	16	16
FEB 17...	0	1	0	1	30	0	70	65	5	90	14	14
MAR 17...	0	0	0	0	20	0	17	9	8	70	7	7
APR 20...	0	3	0	3	0	0	4	2	2	50	4	4
MAY 24...	0	1	0	1	15	0	10	6	4	60	12	11
JUN 21...	0	1	0	1	0	0	10	4	6	100	7	7
JUL 17...	0	3	2	1	10	0	9	5	4	20	16	14
SEP 01...	--	--	--	--	--	--	--	--	--	--	--	--
13...	0	1	1	0	0	0	5	0	5	210	11	11

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 26...	0	.0	.0	.0	<50	<49	1	0	0	0	--
NOV 15...	1	.0	.0	.0	18	14	4	0	0	0	--
DEC 19...	0	.1	.1	.0	17	16	1	0	0	0	.4
JAN 26...	0	.0	.0	.0	13	13	0	0	0	0	1.0
FEB 17...	0	.0	.0	.0	8	7	1	1	0	1	1.0
MAR 17...	0	.0	.0	.0	16	14	2	1	1	0	2.0
APR 20...	0	.0	.0	.0	2	0	2	0	0	0	--
MAY 24...	1	.0	.0	.0	7	7	0	0	0	0	--
JUN 21...	0	.8	.8	.0	7	0	7	0	0	0	--
JUL 17...	2	.1	.1	.0	7	5	2	0	0	0	--
SEP 01...	--	--	--	--	--	--	--	--	--	--	--
13...	0	.0	.0	.0	4	4	0	0	0	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 (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 26...	30	0	30	16	.00	2	0	.0	.00	.00	.0	.00
NOV 15...	30	20	10	15	.00	2	0	.0	.00	.00	.0	.00
DEC 19...	40	30	10	16	.00	3	0	.0	.00	.00	.0	.00
JAN 26...	40	30	10	22	.00	5	0	.0	.00	.00	.0	.00
FEB 17...	40	30	10	15	.00	3	0	.0	.00	.00	.0	.00
MAR 17...	50	50	0	20	.00	3	0	.0	.00	.00	.0	.00
APR 20...	20	10	10	8.7	.00	0	0	.0	.00	.00	.0	.00
MAY 24...	30	10	20	13	.00	2	0	.0	.00	.00	.0	.00
JUN 21...	20	0	20	11	.00	2	0	.0	.00	.00	.0	.00
JUL 17...	20	10	10	13	.00	2	0	.0	.00	.00	.0	.00
SEP 01...	--	--	--	--	--	--	0	.0	.00	.00	.0	.00
13...	10	10	0	16	.00	4	0	.0	.00	.00	.0	.00

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 26...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
NOV 15...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC 19...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN 26...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB 17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR 17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR 20...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY 24...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN 21...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL 17...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP 01...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
13...	.00	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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 26...	.00	.00	.00	0	.00	.00	.00	.00	.00	1.42	.088
NOV 15...	.00	.00	.00	0	.00	.00	.00	.00	.00	8.70	5.90
DEC 19...	.00	.00	.00	0	.00	.00	.00	.00	.00	.000	.000
JAN 26...	.01	.00	.00	0	.00	.00	.04	.00	.00	.000	.000
FEB 17...	.00	.00	.00	0	.00	.00	.00	.00	.00	.000	.000
MAR 17...	.00	.00	.00	0	.00	.00	--	--	--	.000	.000
APR 20...	.00	.00	.00	0	.00	.00	.00	.00	.00	3.73	.000
MAY 24...	.00	.00	.00	0	.00	.00	.00	.01	.14	9.27	.000
JUN 21...	.00	.00	.00	0	.00	.00	.00	.00	.01	4.46	.000
JUL 17...	.00	.00	.00	0	.00	.00	.00	.00	.01	9.89	.000
SEP 01...	.01	.00	.00	0	.00	.00	.18	.02	.00	--	--
13...	.00	.00	.00	0	.00	.00	.31	.01	.00	5.14	.000

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	23.0	18.0	12.5	10.0	15.0	20.5	24.0	29.0	30.5	31.5	26.0
2	28.5	29.5	18.0	12.0	9.5	10.5	21.0	24.5	29.0	30.5	29.0	27.0
3	27.5	19.5	28.5	10.5	8.5	14.5	22.0	24.0	28.5	30.0	29.5	27.0
4	26.0	20.0	19.0	11.0	8.0	14.0	24.0	20.0	27.0	30.5	29.5	26.0
5	26.0	20.5	20.0	12.0	10.0	14.0	23.0	22.5	27.5	31.0	30.0	25.5
6	27.0	20.5	17.0	13.0	10.0	14.0	23.0	23.5	28.0	30.5	30.0	28.5
7	24.5	21.0	15.5	14.0	8.5	10.5	23.5	23.5	28.0	30.5	29.0	28.5
8	25.0	21.0	16.0	14.0	8.0	13.5	24.0	24.0	27.5	29.5	28.0	27.0
9	23.0	20.5	16.0	11.5	8.0	12.0	24.5	25.0	28.5	30.0	28.0	26.5
10	23.5	18.0	14.0	11.0	7.5	12.0	24.5	25.0	27.5	30.5	29.0	27.0
11	23.0	17.5	13.0	11.0	8.0	14.0	24.5	25.0	29.0	30.0	28.5	27.0
12	21.0	18.5	13.0	9.0	10.0	14.0	20.5	25.5	29.5	29.0	28.5	27.0
13	20.5	17.5	14.5	10.5	10.0	15.5	20.0	25.0	29.5	28.5	29.0	27.0
14	20.0	17.0	15.0	8.5	10.0	16.0	19.5	25.0	29.5	29.0	28.0	27.0
15	20.5	17.0	14.5	8.0	10.0	17.5	21.0	24.5	29.5	28.5	27.0	26.0
16	20.5	18.0	14.0	9.0	9.5	16.0	22.0	24.5	30.0	30.0	27.0	27.5
17	20.0	17.5	16.0	9.0	10.5	16.0	22.5	26.0	30.0	30.0	28.0	27.5
18	20.0	18.0	14.0	10.5	10.0	16.5	24.0	26.0	29.5	30.0	28.5	28.0
19	20.5	17.0	15.5	7.0	9.0	17.5	23.0	27.0	29.0	30.5	29.0	27.0
20	20.5	17.5	15.0	7.0	10.0	18.0	22.5	27.0	27.5	30.5	29.0	27.5
21	20.5	17.5	12.0	6.0	9.5	18.5	22.0	28.0	29.5	30.0	29.0	28.0
22	21.0	17.5	12.5	7.0	9.5	18.5	23.0	28.0	27.0	28.0	26.5	28.0
23	20.0	15.5	12.0	7.0	10.5	19.0	23.0	28.0	27.5	27.0	30.0	28.5
24	20.0	19.0	12.5	8.0	10.0	20.0	23.0	28.0	28.0	27.5	30.0	28.0
25	20.5	18.5	12.5	9.0	12.5	20.0	---	28.5	28.5	27.5	28.5	27.0
26	22.5	17.5	12.5	10.0	12.5	18.5	24.0	28.5	30.0	28.0	30.5	27.0
27	22.0	18.0	12.0	10.0	12.5	18.0	22.0	29.0	30.0	27.5	30.0	27.0
28	23.0	18.5	12.5	10.0	15.0	18.5	22.5	29.5	31.0	27.0	29.5	26.5
29	22.5	19.5	12.5	10.5	---	18.5	23.0	29.0	30.5	27.0	30.0	26.5
30	23.0	19.0	---	10.5	---	19.0	23.5	29.0	30.5	27.0	26.0	26.5
31	23.0	---	12.5	10.5	---	20.0	---	29.0	---	27.0	26.0	---
MONTH	23.0	19.0	15.0	10.0	10.0	16.0	22.5	26.0	29.0	29.0	29.0	27.0

YEAR MAX 31.5 MIN 6.0 MEAN 21.5

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	350	480	86	19	52	150	2800	2200	880	500	55
2	58	280	610	42	12	100	400	2600	2200	870	420	39
3	38	310	580	38	20	180	1000	2700	2400	840	180	66
4	49	300	450	49	24	49	1600	2700	2200	840	180	36
5	41	310	320	49	28	29	2700	2600	2000	820	130	39
6	57	280	150	47	14	160	3400	2500	2100	820	380	45
7	47	250	70	140	15	220	3500	2800	2000	820	440	41
8	90	300	100	130	13	280	3000	2900	1900	740	530	59
9	240	310	70	89	16	160	3300	2700	2100	660	500	45
10	47	300	40	60	19	12	3600	2800	1900	650	530	73
11	280	260	44	73	21	12	3000	2900	1600	650	580	48
12	48	170	61	140	62	26	4000	2900	1400	620	580	38
13	29	90	50	68	26	26	3600	2900	1000	580	720	40
14	34	240	42	42	22	25	3000	2900	750	550	640	34
15	31	100	54	36	26	98	2400	2800	560	590	630	27
16	27	500	35	19	---	200	2400	2600	440	560	650	25
17	37	500	40	31	---	90	1700	2600	700	600	640	30
18	41	500	30	21	---	48	1800	2500	700	600	620	28
19	30	800	26	20	---	64	2000	2700	600	760	610	27
20	30	1600	37	24	---	54	1900	2400	600	800	580	29
21	33	2000	35	20	---	80	1500	2300	560	740	590	120
22	120	1300	36	24	---	590	1600	2300	640	920	590	38
23	200	920	25	22	---	900	1700	1900	660	940	570	35
24	210	1100	24	24	---	1300	2200	2100	910	1000	630	35
25	270	1000	30	25	---	1300	2200	1900	790	950	720	29
26	240	1100	36	18	---	1200	2100	1900	700	930	840	57
27	280	600	37	26	---	1000	2000	2000	600	820	910	180
28	200	440	35	30	53	850	2200	2000	880	750	1000	99
29	300	420	54	22	---	500	2500	2000	810	650	1500	370
30	330	320	100	17	---	350	2500	2100	840	600	1400	340
31	350	---	47	11	---	220	---	---	---	520	120	---
MONTH	120	570	120	47	---	330	2300	2500	1200	740	610	71

YEAR MAX 4000 MIN 11 MEAN 740

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.

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, 31.0°C for several days during June and July; minimum daily, 2.0°C Jan. 15, 21.
CHLORIDE: Maximum daily, 3,700 mg/L Apr. 10; minimum daily, 40 mg/L Feb. 27.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	23.5	15.0	12.0	6.0	13.5	19.0	24.0	28.5	30.0	29.0	26.5
2	29.0	21.0	15.0	9.0	5.5	13.0	20.5	24.5	30.0	30.5	29.0	28.0
3	25.0	20.0	17.0	5.0	5.5	14.0	20.5	23.0	27.0	30.5	29.0	27.0
4	21.0	17.0	19.0	8.0	5.5	13.0	21.0	21.5	26.0	31.0	29.5	27.5
5	20.0	18.0	21.0	9.0	6.0	10.0	21.5	---	26.0	31.0	30.5	27.5
6	23.0	18.0	14.5	12.0	6.5	10.5	22.0	23.0	26.0	31.0	30.5	26.5
7	23.0	18.5	13.0	12.5	6.0	14.0	23.0	24.0	27.0	31.0	27.5	26.5
8	25.0	21.0	13.0	12.0	5.0	12.0	23.5	24.5	27.0	31.0	28.0	26.5
9	22.5	20.5	15.0	---	5.0	11.0	24.0	28.5	27.0	30.5	29.0	26.5
10	23.0	12.0	9.5	---	5.0	9.0	23.5	25.0	26.0	31.0	30.0	25.0
11	23.0	10.5	7.5	6.0	5.0	12.0	21.0	25.0	28.5	31.0	29.5	26.0
12	18.0	11.0	7.5	7.5	8.0	13.0	21.0	25.0	18.5	29.5	29.5	27.0
13	15.5	13.0	12.0	5.0	9.5	15.0	17.0	25.5	26.5	30.0	29.5	27.0
14	17.0	---	13.0	3.0	9.0	15.5	19.0	24.5	29.0	30.0	28.5	27.5
15	17.0	---	12.5	2.0	9.5	18.0	19.5	24.0	27.5	30.0	28.0	27.5
16	19.0	---	13.0	4.0	8.0	16.0	21.5	---	28.0	30.0	27.5	27.5
17	16.5	---	17.0	6.0	9.0	16.0	22.0	25.0	29.0	30.0	25.0	28.5
18	17.0	18.0	14.0	5.5	8.5	16.0	22.0	26.5	29.0	30.0	28.5	28.0
19	20.0	18.5	15.0	5.0	6.0	18.0	22.0	26.0	29.5	31.0	29.0	29.0
20	21.0	20.0	15.0	2.5	6.5	17.5	21.5	27.5	29.0	30.0	29.0	28.0
21	20.5	20.5	11.0	2.0	8.0	17.5	21.0	28.0	30.0	29.0	29.0	28.0
22	20.5	18.0	8.0	2.5	3.5	18.0	23.0	27.0	30.5	29.0	29.0	28.5
23	22.0	17.0	8.0	5.0	8.0	19.0	22.0	27.5	31.0	29.0	28.0	26.0
24	22.0	18.0	12.5	8.0	8.0	19.0	23.0	28.0	31.0	29.0	29.5	26.5
25	21.0	18.0	12.5	9.5	12.0	15.0	23.0	28.0	30.5	28.5	29.5	25.0
26	21.5	15.5	10.0	7.0	11.5	15.5	21.5	29.0	30.5	29.0	30.0	25.5
27	21.0	16.0	9.0	5.0	12.0	15.0	21.0	29.0	30.5	28.5	30.0	25.0
28	21.0	18.5	9.0	5.0	15.0	16.5	21.5	29.0	30.0	25.0	27.0	25.0
29	22.0	18.5	9.0	5.0	---	17.0	22.0	28.5	30.0	29.0	26.0	25.0
30	22.0	19.5	10.0	7.0	---	17.5	23.5	29.0	29.0	29.0	26.5	25.0
31	22.0	---	10.0	6.0	---	18.5	---	30.0	---	28.5	26.0	---
MONTH	21.5	17.5	12.5	6.5	7.5	15.0	21.5	26.0	28.5	30.0	28.5	27.0
YEAR	MAX	31.0	MIN	2.0	MEAN	20.5						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	250	260	330	140	100	95	180	3200	2900	340	500	530
2	270	140	190	260	90	92	200	3100	3000	760	400	520
3	230	140	250	140	92	---	770	3300	2800	560	380	560
4	230	200	170	160	140	85	2300	3700	2200	540	380	650
5	210	180	150	70	100	80	1600	2300	430	500	450	570
6	340	180	140	90	100	90	2700	2600	2100	980	380	560
7	310	160	150	160	71	260	3400	3300	1700	520	310	400
8	270	190	150	100	72	1000	3300	3000	2100	1100	310	320
9	370	120	63	110	74	120	3500	3000	1700	1200	340	460
10	430	190	110	120	81	88	3700	3300	270	1100	290	330
11	240	160	120	95	80	90	3200	3200	430	1100	390	330
12	310	180	120	80	85	98	1100	3200	380	1200	420	190
13	290	200	120	85	---	100	1500	3100	460	1000	710	190
14	220	190	110	100	85	95	950	3500	400	950	710	510
15	220	450	140	100	91	310	1300	2800	260	1000	670	530
16	200	700	160	100	84	180	1800	2600	410	650	400	520
17	260	140	160	64	87	100	1500	2400	360	780	730	540
18	200	500	150	110	180	110	1900	2600	420	1200	680	500
19	190	440	160	78	100	96	1500	2900	200	1400	760	260
20	180	2600	160	100	80	130	570	2800	440	1200	780	140
21	160	2400	160	100	75	410	1200	2900	220	1100	740	360
22	240	2400	160	110	80	550	1000	1400	350	1200	750	220
23	170	370	140	56	85	360	800	2800	390	880	650	480
24	260	180	150	84	95	180	800	2900	340	1300	820	460
25	250	180	140	64	60	880	780	2900	440	1200	720	480
26	150	190	150	59	50	270	750	3000	340	150	1000	480
27	190	920	140	83	40	120	680	2600	310	260	1100	200
28	170	870	140	78	65	170	980	2800	250	220	1900	440
29	180	1100	240	85	---	170	1000	2900	220	500	2000	200
30	220	1100	90	64	---	98	1200	2900	300	450	550	120
31	220	---	130	61	---	96	---	2900	---	350	500	---
MONTH	240	570	150	100	85	210	1500	2900	870	830	670	400

YEAR MAX 3700 MIN 40 MEAN 720

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.

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, 31.5°C June 25; minimum daily, 2.0°C Jan. 21.
CHLORIDE: Maximum daily, 3,200 mg/L Apr. 29; minimum daily, 38 mg/L Feb. 27.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	22.5	15.0	---	6.0	13.5	19.0	24.0	28.5	30.0	29.0	26.5
2	29.0	21.0	15.0	9.0	5.5	13.0	20.5	24.5	30.0	30.5	29.0	28.0
3	25.0	20.0	17.0	5.0	5.5	14.0	20.5	23.0	27.0	30.5	29.0	27.0
4	21.0	17.0	19.0	8.0	5.5	13.0	21.0	21.5	28.0	31.0	29.5	27.5
5	20.0	18.0	21.0	9.0	6.0	10.0	21.5	---	28.0	31.0	30.5	27.5
6	23.0	18.0	15.0	12.0	6.5	10.5	22.0	23.0	28.0	31.0	30.5	26.5
7	23.0	18.5	13.0	12.5	6.0	16.0	23.0	24.0	27.0	31.0	27.5	26.5
8	25.0	21.0	13.0	12.0	5.0	12.0	23.5	24.5	27.0	31.0	28.0	26.5
9	22.5	20.5	15.0	---	5.0	11.0	24.0	25.0	27.0	30.5	29.0	26.5
10	23.0	12.0	9.5	---	5.0	9.0	23.5	25.0	28.0	31.0	29.0	25.0
11	22.5	10.5	7.5	7.0	5.0	12.0	21.0	25.0	28.5	31.0	29.5	26.0
12	18.0	11.0	7.5	7.5	8.0	13.0	21.0	25.0	28.5	29.5	29.5	27.0
13	15.5	13.0	12.0	5.0	9.5	15.0	17.0	25.5	28.5	30.0	29.5	27.0
14	17.0	13.5	13.0	3.0	9.0	15.5	19.0	24.5	29.0	30.0	28.5	27.5
15	17.0	16.0	12.5	2.0	9.5	18.0	19.0	24.0	27.5	30.0	28.0	27.5
16	19.0	17.0	13.0	8.0	9.5	16.0	21.5	---	28.0	30.0	27.5	27.5
17	16.5	18.0	17.0	6.0	10.5	16.0	22.0	25.0	29.0	30.0	25.0	28.5
18	17.0	18.0	14.0	5.5	10.0	16.0	22.0	26.5	29.0	30.0	28.5	28.0
19	20.0	18.5	15.0	5.0	9.0	18.0	22.0	26.0	29.5	31.0	29.0	29.0
20	21.0	20.0	15.0	2.5	10.0	17.5	21.0	27.5	29.0	30.0	29.0	28.0
21	21.0	20.5	11.0	2.0	9.5	17.5	21.0	28.0	30.0	29.0	29.0	28.0
22	20.5	18.0	8.0	2.5	9.5	18.0	23.0	27.0	30.5	29.0	29.0	28.5
23	22.0	17.0	8.0	5.0	10.5	19.0	22.0	27.5	31.0	29.0	28.0	26.0
24	22.0	18.0	12.5	8.0	10.5	19.0	23.0	28.0	31.0	29.0	29.5	26.5
25	21.0	18.0	12.5	9.5	12.5	15.0	23.0	28.0	31.5	28.5	29.5	25.0
26	21.5	16.0	10.0	7.0	12.5	15.5	21.5	29.0	30.5	29.0	30.0	25.5
27	21.0	16.0	9.0	5.0	12.5	15.0	21.0	29.0	30.5	28.5	30.0	25.0
28	21.0	18.5	9.0	5.0	15.0	16.5	21.5	29.0	30.0	25.0	27.0	25.0
29	22.0	18.5	8.0	5.0	---	17.0	22.0	28.5	30.0	27.0	26.0	25.0
30	23.0	11.5	10.0	7.0	---	17.5	23.5	29.0	29.0	29.0	26.5	25.0
31	22.0	---	10.0	6.0	---	18.5	---	30.0	---	28.5	26.0	---
MONTH	21.5	17.0	12.5	6.5	8.5	15.0	21.5	26.0	29.0	29.5	28.5	27.0
YEAR	MAX	31.5	MIN	2.0	MEAN	20.5						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	230	400	120	88	92	190	710	1100	600	420	540
2	270	250	180	220	98	85	130	900	770	300	380	530
3	240	150	260	150	94	88	500	1400	600	420	420	550
4	230	210	210	140	100	82	570	1700	510	420	380	650
5	340	180	160	70	90	82	160	910	2300	1000	400	550
6	330	210	140	60	89	110	1000	1200	220	460	330	580
7	300	170	140	150	67	260	1400	1500	76	1000	330	420
8	270	130	160	100	77	90	980	740	180	510	360	540
9	310	400	75	110	72	90	2400	---	88	1100	90	530
10	240	340	130	100	80	110	580	---	360	580	80	330
11	300	66	120	85	79	95	1100	---	400	1000	100	340
12	200	200	130	75	86	110	990	---	270	500	220	180
13	210	210	140	85	40	110	66	---	300	250	340	190
14	240	200	110	100	74	980	55	---	390	230	350	530
15	230	420	150	95	89	320	140	---	260	140	350	510
16	220	500	160	75	77	290	270	---	470	230	340	510
17	230	540	150	55	81	110	1200	1400	320	75	120	540
18	220	560	160	100	180	120	240	2000	410	900	500	500
19	220	1300	170	80	100	91	240	1200	100	380	160	250
20	220	1900	150	100	80	140	300	1600	150	150	380	150
21	170	310	170	95	80	370	270	1700	480	260	340	210
22	250	420	160	95	85	440	1000	2600	330	150	720	230
23	250	310	150	54	85	100	400	1400	390	180	400	500
24	120	170	160	76	90	100	860	2700	360	140	330	490
25	100	170	140	56	65	250	340	1500	440	700	310	510
26	170	200	250	64	40	100	660	1600	330	80	1000	520
27	160	930	130	80	38	110	510	1100	150	260	1000	220
28	160	460	170	83	42	120	1100	1700	240	230	2000	420
29	180	1300	230	60	---	100	3200	2300	120	500	2000	210
30	240	1100	80	65	---	300	2900	860	240	500	600	130
31	210	---	130	60	---	150	---	910	---	320	450	---
MONTH	230	450	160	92	81	180	790	---	410	440	490	410

YEAR MAX 3200 MIN 38 MEAN 410

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.

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, 32.0°C Aug. 4, 24; minimum daily, 5.0°C Jan. 20.
CHLORIDE: Maximum daily, 13,000 mg/L July 18; minimum daily, 500 mg/L Oct. 5, 6, 7, 8, 11.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.0	22.5	17.0	13.0	7.0	15.5	17.5	23.0	28.5	29.0	29.5	27.5
2	28.5	23.0	17.0	11.5	8.0	15.5	18.0	25.0	29.5	29.0	29.0	28.0
3	26.0	22.0	18.5	9.0	7.5	15.0	18.0	24.5	28.0	30.0	30.0	28.0
4	22.5	19.5	19.0	10.0	8.0	13.0	22.0	22.0	28.0	30.0	32.0	28.5
5	24.0	20.0	19.5	11.5	8.5	11.0	22.0	22.0	28.0	30.0	28.5	28.5
6	24.0	20.0	18.0	12.0	8.0	12.0	25.0	22.0	28.0	30.0	30.0	28.5
7	25.0	20.0	15.0	14.0	8.0	12.5	23.0	22.5	28.0	29.0	29.5	28.5
8	24.5	21.0	16.0	15.5	7.5	12.0	23.0	23.0	28.0	29.0	29.0	28.0
9	24.0	21.0	16.0	10.0	8.0	12.0	23.0	22.5	27.5	29.0	28.0	27.0
10	24.5	18.0	14.5	8.5	6.0	11.5	23.5	25.0	27.0	29.5	28.5	27.0
11	24.0	15.5	11.5	9.0	7.5	12.0	22.0	25.0	27.0	30.0	28.5	26.5
12	18.5	15.5	11.5	10.5	9.0	13.0	20.5	25.0	27.5	29.0	28.5	26.5
13	17.0	16.0	12.5	9.0	10.0	15.0	21.5	25.5	28.0	29.5	28.5	27.0
14	19.5	16.0	13.5	8.0	10.0	16.5	20.0	24.0	27.5	29.0	28.5	27.0
15	20.0	17.0	14.0	6.0	11.0	16.0	21.0	24.0	28.5	29.5	28.5	27.0
16	19.5	18.0	14.5	8.0	10.5	16.0	22.0	24.5	28.0	29.5	29.0	27.5
17	19.0	19.5	15.0	8.5	10.0	14.0	22.5	25.5	28.0	30.0	29.0	28.0
18	18.5	20.0	13.5	7.0	10.0	14.0	23.5	26.0	28.0	30.0	29.5	28.0
19	19.5	19.0	15.5	6.0	8.0	14.5	22.5	26.5	28.5	31.0	29.5	28.0
20	20.0	20.0	17.0	5.0	8.0	17.0	21.0	27.0	28.0	27.5	29.5	28.5
21	21.0	21.0	12.0	5.5	7.0	17.5	20.5	28.0	29.0	29.0	30.0	29.0
22	20.0	18.5	12.0	5.5	7.0	19.0	22.0	28.0	29.0	27.0	29.0	28.5
23	23.0	19.0	13.0	5.5	9.0	19.0	---	---	29.0	27.5	29.0	29.0
24	22.0	19.0	---	7.0	8.5	19.0	---	28.5	28.5	28.0	32.0	27.0
25	22.0	19.0	15.0	10.0	9.5	18.5	24.0	28.0	29.5	29.5	29.5	26.5
26	21.5	18.0	13.0	7.5	10.5	17.0	21.5	28.0	29.5	29.0	30.0	27.5
27	22.5	17.5	13.5	9.0	10.5	17.0	21.5	28.0	29.5	29.0	28.5	28.0
28	23.0	19.0	14.0	8.5	11.0	17.0	22.0	28.5	29.5	27.5	27.0	26.5
29	22.5	20.0	14.5	7.0	---	17.5	22.5	29.0	29.5	29.0	27.0	25.0
30	23.0	19.5	11.5	8.5	---	17.5	22.5	29.0	29.0	29.0	26.5	26.0
31	22.5	---	12.0	6.5	---	17.5	---	29.0	---	27.0	26.0	---
MONTH	22.0	19.0	14.5	9.0	8.5	15.5	21.5	25.5	28.5	29.0	29.0	27.5
YEAR	MAX	32.0	MIN	5.0	MEAN	21.0						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	680	3400	5400	2900	5200	10000	7600	4000	7900	7400	4400
2	1000	3800	3200	2800	2800	5800	8200	6300	3800	7200	7400	4000
3	900	900	4000	5500	2600	6400	9900	6000	4000	8700	12000	4500
4	1000	3100	4200	5600	3300	5400	8200	6900	4000	8500	7500	5200
5	500	910	4100	5600	4000	5700	9900	8500	4100	10000	11000	5700
6	500	900	3200	5200	3500	5400	7800	8800	7100	11000	9300	3800
7	500	1000	3300	1300	5600	7500	7300	9100	3100	11000	8400	5300
8	500	2000	3800	1300	4300	5700	5100	7000	3000	12000	8100	5500
9	510	4600	3900	1100	4400	6000	4800	5600	6700	11000	7700	5200
10	530	3800	4600	1200	3800	6000	4300	5400	7800	11000	7400	4000
11	500	4200	3700	4400	4800	7200	5600	3900	6200	12000	6700	4100
12	510	5000	3600	3800	6000	6800	6400	4200	5900	10000	6700	3800
13	540	6000	3300	3700	5400	8200	5100	4000	5800	9700	7300	3300
14	2000	7000	3000	4400	4100	8600	8000	6900	12000	8800	7700	3500
15	2100	7200	2700	4700	4100	5900	5400	9800	9500	8200	8000	3800
16	2100	8100	2700	4800	4800	6200	4600	9400	7800	8800	7700	5800
17	2100	6500	2800	3500	5200	6200	3800	10000	7300	10000	7100	3700
18	2100	5600	2600	4200	5800	7800	4100	10000	6700	13000	7000	3700
19	530	5700	3000	3900	5700	8000	5900	9200	5000	8200	7800	2800
20	530	4800	3600	3500	5400	7800	7900	7800	4700	9400	7000	3200
21	690	4400	2800	4300	5700	8000	11000	6300	4300	9000	6500	3300
22	880	4100	3100	3900	6600	6600	8400	6000	4400	8000	6200	3200
23	860	4100	5400	4400	4700	6800	---	---	4400	8300	6600	5200
24	850	4500	4800	5700	6000	6200	---	5200	5000	7000	6200	4800
25	3400	3800	4400	3400	6600	6000	5600	4900	8100	6300	6200	5600
26	600	4100	4300	3500	6300	6200	6800	5000	9800	5800	5700	9000
27	600	5100	5600	3600	6100	6000	9500	5000	8600	6000	5400	7200
28	640	4600	6900	3000	2000	7400	8600	10000	7900	6800	5100	6000
29	650	4600	6900	2500	---	9400	8900	4800	7500	8800	4600	6800
30	710	3600	5100	2400	---	8300	7500	4500	8600	8700	4000	7500
31	740	---	4500	3500	---	8800	---	4200	---	9600	4800	---
MONTH	990	4200	4000	3700	4700	6800	7100	6700	6200	9100	7100	4800

YEAR MAX 13000 MIN 500 MEAN 5400

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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, DISSOLVED (MG/L AS CACO3)	HARDNESS, NONCARBONATE, DIS. (MG/L CACO3)
OCT												
26...	1150	782	7.5	20	50	8.3	50	1.3	--	--	90	54
NOV												
15...	1045	713	7.5	80	75	--	93	--	--	K8	79	39
DEC												
19...	1055	620	7.8	50	65	9.1	28	.1	K160	K15	88	49
JAN												
26...	1110	415	7.3	100	55	11.6	49	1.2	--	K60	43	12
FEB												
17...	1115	247	7.1	80	80	11.2	32	1.4	K280	K6	33	10
MAR												
17...	1100	298	7.1	80	180	8.6	54	.4	K80	K12	38	11
APR												
20...	1140	344	7.2	160	210	8.2	62	.6	<5	<5	95	72
MAY												
24...	1025	1030	7.2	60	90	6.8	48	.0	<5	K2	110	92
JUN												
21...	1037	1560	7.4	20	6	7.8	31	.3	<5	<5	160	130
JUL												
17...	1120	2180	8.5	30	6	7.6	32	1.9	K2400	--	220	190
SEP												
01...	1010	2370	7.0	15	40	7.7	31	1.1	K60	K5	230	210
13...	1145	1790	6.9	20	15	8.8	25	2.3	1100	<5	180	170

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY, TOTAL (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	13	14	--	--	--	--	44	0	36	2.2	30	180
NOV												
15...	12	12	--	--	--	--	49	0	40	2.5	25	170
DEC												
19...	17	11	88	67	4.1	5.5	47	0	39	1.2	27	150
JAN												
26...	6.9	6.3	51	70	3.4	3.9	38	0	31	3.0	18	74
FEB												
17...	6.2	4.2	32	66	2.4	2.8	28	0	23	3.6	9.3	48
MAR												
17...	4.9	6.2	45	70	3.2	4.1	33	0	27	4.2	15	66
APR												
20...	20	11	110	70	4.9	5.7	28	0	23	2.8	39	200
MAY												
24...	16	18	150	72	6.1	8.1	27	0	22	2.7	47	260
JUN												
21...	21	27	230	74	7.8	11	34	0	28	2.2	64	420
JUL												
17...	26	38	340	76	9.9	14	32	1	28	.2	92	590
SEP												
01...	26	39	360	76	10	16	25	0	21	4.0	100	660
13...	21	31	290	76	9.4	12	11	0	9	2.2	90	510

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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												
26...	36	<1.0	.02	.02	.04	1.2	.12	3	2	1	0	0
NOV												
15...	98	<1.0	.15	.04	.19	.35	.15	3	2	1	0	0
DEC												
19...	273	<1.0	.18	.04	.22	.50	.18	4	3	1	0	0
JAN												
26...	384	<1.0	.18	.07	.25	.59	.23	6	5	1	0	0
FEB												
17...	168	<1.0	.27	.07	.34	.74	.19	3	2	1	0	0
MAR												
17...	214	<1.0	.28	.05	.33	.82	.23	3	3	0	0	0
APR												
20...	250	<1.0	.40	.00	.40	.83	.26	4	3	1	0	0
MAY												
24...	108	<1.0	.83	.00	.83	.85	.12	3	2	1	0	8
JUN												
21...	21	<1.0	.02	.01	.03	.63	.02	1	0	1	0	0
JUL												
17...	0	<1.0	.01	.01	.02	.59	.03	2	1	1	10	0
SEP												
01...	47	<1.0	.13	.01	.14	.60	.02	1	0	1	0	0
13...	5	<1.0	.02	.01	.03	.61	.04	1	1	0	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT												
26...	0	<10	<10	0	10	0	<10	<3	7	40	<100	<99
NOV												
15...	0	0	0	0	0	0	8	6	2	50	32	31
DEC												
19...	0	0	0	0	20	0	14	10	4	50	14	14
JAN												
26...	0	0	0	0	10	0	17	14	3	50	14	14
FEB												
17...	0	0	0	0	10	0	17	8	9	70	7	7
MAR												
17...	0	0	0	0	20	0	12	5	7	50	3	3
APR												
20...	0	0	0	0	30	0	27	26	1	90	11	11
MAY												
24...	0	1	0	1	10	0	8	2	6	40	9	8
JUN												
21...	0	0	0	0	10	0	5	2	3	20	2	2
JUL												
17...	10	1	0	1	0	0	9	5	4	30	12	8
SEP												
01...	0	1	0	1	0	0	9	0	9	80	1	1
13...	0	0	0	0	10	0	4	0	4	50	3	2

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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 26...	1	.0	.0	.0	<50	<50	0	0	0	0	--
NOV 15...	1	.4	.4	.0	9	8	1	0	0	0	.2
DEC 19...	0	.1	.1	.0	19	17	2	0	0	0	--
JAN 26...	0	.0	.0	.0	19	17	2	0	0	0	1.0
FEB 17...	0	.5	.5	.0	6	6	0	0	0	0	1.0
MAR 17...	0	.0	.0	.0	10	9	1	1	1	0	1.0
APR 20...	0	.0	.0	.0	7	7	0	0	0	0	1.0
MAY 24...	1	.0	.0	.0	4	4	0	1	1	0	--
JUN 21...	0	.0	.0	.0	0	0	0	0	0	0	--
JUL 17...	4	.1	.1	.0	22	20	2	0	0	0	--
SEP 01...	0	.0	.0	.0	4	0	4	0	0	0	--
13...	1	.0	.0	.0	2	0	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 (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 26...	--	--	40	8.4	.00	2	0	.0	.00	.000	.0	.000
NOV 15...	30	20	10	15	.00	2	0	.0	.00	.000	.0	.000
DEC 19...	50	40	10	14	.00	0	0	.0	.00	.000	.0	.000
JAN 26...	60	60	0	16	.00	4	0	.0	.00	.000	.0	.000
FEB 17...	30	20	10	13	.00	1	0	.0	.00	.000	.0	.000
MAR 17...	30	20	10	16	.00	1	0	.0	.00	.000	.0	.000
APR 20...	60	50	10	19	.00	0	0	.0	.00	.000	.0	.000
MAY 24...	30	20	10	13	.00	2	--	.0	.00	.000	.0	.000
JUN 21...	10	0	10	6.2	.00	4	0	.0	.00	.000	.0	.000
JUL 17...	20	0	20	8.3	.00	2	0	.0	.00	.000	.0	.000
SEP 01...	40	0	40	6.1	.00	3	--	.0	.00	.000	.0	.000
13...	10	10	0	5.6	.00	2	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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												
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV												
15...	.000	.000	.00	.001	.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												
17...	.000	.000	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00
MAR												
17...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
APR												
20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
24...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
21...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUL												
17...	.000	.000	.02	.000	.001	.000	.00	.000	.000	.000	.00	.00
SEP												
01...	.000	.001	.01	.001	.001	.000	.00	.000	.000	.000	.00	.00
13...	.000	.000	.00	.001	--	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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											
26...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	3.10	.220
NOV											
15...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	11.6	.000
DEC											
19...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
JAN											
26...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	.000	.000
FEB											
17...	.00	.00	.00	0.0	.00	.00	.01	.00	.00	.670	.000
MAR											
17...	.00	.00	.00	0.0	.00	.00	.01	.00	.00	4.89	.000
APR											
20...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	13.6	.000
MAY											
24...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	6.08	.000
JUN											
21...	.00	.00	.00	0.0	.00	.00	.02	.00	.00	--	--
JUL											
17...	.00	.00	.00	0.0	.00	.00	.06	.00	.00	25.3	.000
SEP											
01...	.00	.00	.00	0.0	.00	.00	.02	.00	.00	--	--
13...	.00	.00	.00	0.0	.00	.00	.00	.00	.00	8.23	.000

294530092360000 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIER , 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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
26...	1130	328	7.7	50	30	8.2	35	1.0	--	--	50	6
NOV												
15...	1030	413	7.4	70	55	9.7	59	2.8	K40	K4	62	18
DEC												
19...	1035	93	7.3	80	65	9.0	24	.9	K64	K10	17	1
JAN												
26...	1200	138	7.1	140	80	12.0	40	2.5	720	270	23	0
FEB												
17...	1205	97	7.0	60	90	11.2	17	2.0	--	K24	19	3
MAR												
17...	1150	139	6.9	100	190	9.2	51	.9	K32	K2	43	26
APR												
20...	1220	755	7.1	60	180	8.2	65	.5	<5	<5	66	47
MAY												
24...	1110	1820	7.2	30	55	7.6	32	.8	<5	<5	610	590
JUN												
21...	1100	1380	7.5	30	60	7.9	43	1.4	<10	<4	180	140
JUL												
17...	1145	1730	7.6	20	40	7.1	30	1.1	K2600	K8	180	140
SEP												
01...	1105	728	7.5	50	65	7.5	26	.2	K40	K20	86	44
13...	1250	141	7.0	70	30	6.6	28	4.0	4800	K20	34	1

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	8.9	6.7	--	--	--	--	54	0	44	1.7	10	67
NOV												
15...	9.5	9.3	--	--	--	--	54	0	44	3.4	12	94
DEC												
19...	3.9	1.8	10	51	1.1	2.7	20	0	16	1.6	5.5	13
JAN												
26...	5.4	2.3	16	56	1.5	3.0	28	0	23	3.6	10	21
FEB												
17...	5.0	1.7	11	52	1.1	2.1	20	0	16	3.2	7.9	16
MAR												
17...	4.2	8.0	63	73	4.2	4.8	21	0	17	4.2	20	99
APR												
20...	11	9.4	120	77	6.4	9.4	23	0	19	2.9	35	190
MAY												
24...	48	120	140	31	2.0	43	26	0	21	2.6	230	520
JUN												
21...	23	30	260	74	8.4	13	45	0	37	2.3	65	450
JUL												
17...	19	32	280	76	9.1	12	42	0	34	1.7	76	460
SEP												
01...	13	13	99	70	4.6	6.1	51	0	42	2.6	30	180
13...	8.3	3.3	14	43	1.0	5.0	41	0	34	6.6	6.3	19

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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												
26...	32	<1.0	.01	.02	.03	1.2	.17	3	1	2	0	0
NOV												
15...	43	<1.0	.08	.01	.09	.35	.16	3	1	2	0	0
DEC												
19...	91	<1.0	.20	.02	.22	.66	.16	2	1	1	0	0
JAN												
26...	220	<1.0	.32	.05	.37	.91	.29	4	3	1	10	10
FEB												
17...	178	<1.0	.17	.07	.24	1.4	.24	3	2	1	0	0
MAR												
17...	118	<1.0	.38	.05	.43	.09	.25	2	1	1	0	0
APR												
20...	0	<1.0	.41	.06	.47	1.1	.16	3	2	1	0	0
MAY												
24...	5	<1.0	.45	.02	.47	.72	.04	1	1	0	0	0
JUN												
21...	220	<1.0	.04	.01	.05	.50	.11	2	1	1	5	5
JUL												
17...	62	<1.0	.01	.01	.02	.61	.04	2	0	2	0	0
SEP												
01...	68	<1.0	.00	.02	.02	.54	.07	3	1	2	0	0
13...	10	<1.0	.05	.01	.06	.81	.30	5	1	4	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
OCT												
26...	0	<10	<10	0	0	0	<10	<8	2	180	<100	<99
NOV												
15...	0	0	0	0	4	0	15	13	2	80	6	5
DEC												
19...	0	0	0	0	0	0	6	2	4	320	3	3
JAN												
26...	0	0	0	0	20	0	12	10	2	70	11	11
FEB												
17...	0	0	0	0	30	0	21	7	14	140	7	7
MAR												
17...	0	0	0	0	10	0	6	2	4	80	2	2
APR												
20...	0	1	0	1	0	0	6	0	6	70	10	9
MAY												
24...	0	0	0	0	5	0	8	5	3	50	3	3
JUN												
21...	0	0	0	0	0	0	10	7	3	30	7	7
JUL												
17...	0	1	0	1	10	0	8	4	4	20	3	0
SEP												
01...	0	0	0	0	0	0	6	0	6	30	0	0
13...	0	0	0	0	10	0	5	0	5	170	6	6

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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											
26...	1	.0	.0	.0	<50	<50	0	0	0	0	--
NOV											
15...	1	.0	.0	.0	7	6	1	0	0	0	.0
DEC											
19...	0	.0	.0	.0	8	6	2	0	0	0	1.8
JAN											
26...	0	.0	.0	.0	8	8	0	0	0	0	1.0
FEB											
17...	0	.7	.7	.0	12	12	0	0	0	0	2.0
MAR											
17...	0	.0	.0	.0	6	4	2	1	1	0	1.0
APR											
20...	1	.0	.0	.0	4	4	0	0	0	0	--
MAY											
24...	0	.0	.0	.0	6	6	0	0	0	0	--
JUN											
21...	0	.2	.2	.0	4	4	0	0	0	0	--
JUL											
17...	3	.0	.0	.0	10	7	3	0	0	0	--
SEP											
01...	0	.0	.0	.0	3	3	0	0	0	0	--
13...	0	.0	.0	.0	4	4	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 (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												
26...	10	0	10	10	.00	6	0	.0	.00	.000	.0	.000
NOV												
15...	20	10	10	10	.00	2	0	.0	.00	.000	.0	.000
DEC												
19...	20	10	10	9.2	.00	2	0	.0	.00	.000	.0	.000
JAN												
26...	30	30	0	15	.00	5	--	.0	.00	.000	.0	.000
FEB												
17...	20	0	20	13	.00	2	0	.0	.00	.000	.0	.000
MAR												
17...	30	30	0	12	.00	1	0	.0	.00	.000	.0	.000
APR												
20...	20	10	10	11	.00	0	0	.0	.00	.000	.0	.000
MAY												
24...	20	10	10	5.8	.00	2	0	.0	.00	.000	.0	.000
JUN												
21...	20	10	10	10	.00	1	0	.0	.00	.000	.0	.000
JUL												
17...	20	10	10	7.1	.00	1	0	.0	.00	.000	.0	.000
SEP												
01...	20	0	20	--	.00	3	0	.0	.00	.000	.0	.000
13...	10	10	0	10	.00	5	0	.0	.00	.000	.0	.000

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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												
26...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
NOV												
15...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
DEC												
19...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.001	.00	.00
JAN												
26...	.000	.000	.01	.004	.000	.000	.00	.000	.000	.000	.00	.00
FEB												
17...	.000	.000	.01	.008	.000	.000	.00	.000	.000	.001	.00	.00
MAR												
17...	.000	.000	.00	.003	.000	.000	.00	.000	.000	.001	.00	.00
APR												
20...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
24...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.000	.00	.00
JUN												
21...	.000	.000	.01	.001	.000	.000	.00	.000	.000	.001	.00	.00
JUL												
17...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP												
01...	.000	.000	.01	.001	.001	.000	.00	.000	.000	.001	.00	.00
13...	.000	.000	.00	.001	--	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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												
26...	.00	.00	.00	.00	0.0	.00	.00	.04	.02	.01	2.10	.177
NOV												
15...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.01	12.3	.000
DEC												
19...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
JAN												
26...	.00	.00	.00	.00	0.0	.00	.00	.00	.01	.00	.000	.000
FEB												
17...	.00	.00	.00	.00	0.0	.00	.00	.03	.02	.00	.000	.000
MAR												
17...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	2.25	.000
APR												
20...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	3.63	.000
MAY												
24...	.00	.00	.00	.00	0.0	.00	.00	.00	.00	.00	4.05	.000
JUN												
21...	.00	.00	.00	.00	0.0	.00	.00	.03	.02	.05	16.4	.000
JUL												
17...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.02	11.8	.000
SEP												
01...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.01	.000	.000
13...	.00	.00	.00	.00	0.0	.00	.00	.25	.07	.00	6.92	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
26...	1030	371	7.3	140	50	12.0	63	1.6	K180	44	45	17
FEB												
17...	1130	284	7.3	60	75	11.2	33	1.1	K100	K12	34	10
MAR												
17...	1110	323	7.2	100	220	8.8	80	.1	--	K22	38	14
APR												
20...	1155	337	7.2	120	220	8.2	56	.4	<5	<5	39	16
MAY												
24...	1030	1040	7.1	80	95	7.5	37	.5	K40	K2	110	90
JUN												
21...	1030	1520	7.3	30	10	7.8	36	1.0	K10	<5	160	130
JUL												
17...	1110	2180	8.6	20	10	7.5	44	2.1	K60	<5	230	200
SEP												
01...	1020	2230	6.9	15	40	7.7	28	1.2	K20	<5	210	190
13...	1150	1850	6.9	20	15	8.9	24	2.2	--	<5	170	170

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
26...	7.5	6.3	50	68	3.3	4.3	34	0	28	2.7	15	82
FEB												
17...	6.4	4.4	34	66	2.5	2.9	29	0	24	2.3	10	56
MAR												
17...	5.6	5.9	40	67	2.8	4.1	29	0	24	2.9	15	62
APR												
20...	7.4	5.0	54	73	3.8	4.0	28	0	23	2.8	22	84
MAY												
24...	16	18	150	73	6.1	7.6	29	0	24	3.7	48	270
JUN												
21...	20	26	230	75	8.0	11	33	0	27	2.6	62	410
JUL												
17...	27	39	340	75	9.8	14	32	1	28	.1	91	600
SEP												
01...	23	38	330	76	98	15	24	0	20	4.8	99	620
13...	20	30	280	76	9.3	12	10	0	8	2.0	88	510

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

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

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 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN												
26...	544	<1.0	.20	.05	.25	.54	.25	5	4	1	0	0
FEB												
17...	178	<1.0	.25	.07	.32	.43	.19	4	3	1	10	0
MAR												
17...	300	<1.0	.00	.00	.00	1.5	.32	6	6	0	0	0
APR												
20...	356	<1.0	.40	.00	.40	.61	.23	4	3	1	0	0
MAY												
24...	48	<1.0	.81	.00	.81	.75	.10	3	2	1	0	0
JUN												
21...	44	<1.0	.03	.01	.04	.37	.03	1	1	0	0	0
JUL												
17...	19	<1.0	.01	.01	.02	1.3	.03	3	3	0	10	0
SEP												
01...	61	<1.0	.11	.01	.12	.96	.04	1	0	1	0	0
13...	17	<1.0	.04	.01	.05	.58	.04	1	1	0	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
JAN												
26...	0	0	0	0	20	0	16	12	4	80	16	15
FEB												
17...	10	0	0	0	20	0	24	10	14	90	7	7
MAR												
17...	0	0	0	0	20	0	15	7	8	810	10	10
APR												
20...	0	0	0	0	10	0	20	19	1	210	10	8
MAY												
24...	0	1	0	1	10	0	8	5	3	20	9	8
JUN												
21...	0	0	0	0	0	0	7	3	4	20	3	3
JUL												
17...	10	3	1	2	10	0	5	1	4	20	4	2
SEP												
01...	0	0	0	2	10	0	12	0	12	30	0	0
13...	0	0	0	0	10	0	4	1	3	10	3	3

DATE	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)
JAN											
26...	1	.1	.1	.0	18	16	2	1	1	0	1.0
FEB											
17...	0	1.0	1.0	.0	8	5	3	0	0	0	1.0
MAR											
17...	0	.0	.0	.0	17	15	2	1	1	0	1.0
APR											
20...	2	.0	.0	.0	7	5	2	0	0	0	1.0
MAY											
24...	1	.0	.0	.0	5	5	0	1	1	0	--
JUN											
21...	0	.0	.0	.0	2	2	0	0	0	0	--
JUL											
17...	2	.0	.0	.0	11	9	2	0	0	0	--
SEP											
01...	0	.0	.0	.0	7	0	7	0	0	0	--
13...	0	.0	.0	.0	4	4	0	0	0	0	--

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

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 1977 TO SEPTEMBER 1978

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 (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)
JAN												
26...	60	50	10	17	.00	2	0	.0	.00	.00	.0	.00
FEB												
17...	30	20	10	15	.00	1	0	.0	.00	.00	.0	.00
MAR												
17...	60	50	10	20	.00	0	0	.0	.00	.00	.0	.00
APR												
20...	50	50	0	18	.00	0	0	.0	.00	.00	.0	.00
MAY												
24...	30	20	10	11	.00	2	0	.0	.00	.00	.0	.00
JUN												
21...	5	0	5	6.5	.00	3	0	.0	.00	.00	.0	.00
JUL												
17...	10	0	10	7.6	.00	4	0	.0	.00	.00	.0	.00
SEP												
01...	--	--	50	7.3	.00	3	0	.0	.00	.00	.0	.00
13...	20	20	0	5.9	.00	0	0	.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)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN												
26...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB												
17...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR												
17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR												
20...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY												
24...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN												
21...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL												
17...	.00	.00	.02	.00	.01	.00	.00	.00	.00	.00	.00	.00
SEP												
01...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
13...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN												
26...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	.000	.000
FEB												
17...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	.420	.000
MAR												
17...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	2.52	.000
APR												
20...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	12.5	.000
MAY												
24...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	4.43	.000
JUN												
21...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	10.9	.000
JUL												
17...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	28.2	.000
SEP												
01...	.00	.00	.00	.00	0	.00	.00	.02	.00	.00	.000	.000
13...	.00	.00	.00	.00	0	.00	.00	--	--	--	7.37	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
26...	1210	110	6.9	140	90	10.4	38	3.3	1100	440	20	2
FEB												
17...	1220	63	6.8	60	80	10.7	29	1.9	--	K14	15	1
MAR												
17...	1205	247	6.9	120	170	8.2	50	2.0	400	K26	30	14
APR												
20...	1245	159	6.9	280	210	7.8	38	.8	K100	K18	29	7
MAY												
24...	1115	451	7.2	50	210	6.9	44	1.0	K1600	K14	79	55
JUN												
21...	1115	174	7.3	60	40	7.0	30	2.0	K320	<5	39	0
JUL												
17...	1220	191	7.6	70	50	7.2	22	1.4	K11000	K48	41	0
SEP												
01...	1200	240	7.3	40	25	5.5	23	1.1	230	K20	55	0
13...	1300	125	7.0	60	30	7.0	21	3.0	7000	K8	31	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
26...	5.0	1.8	11	51	1.1	2.6	22	0	18	4.4	10	15
FEB												
17...	3.7	1.5	7.7	49	.9	1.7	17	0	14	4.3	6.1	9.7
MAR												
17...	4.7	4.5	29	65	2.3	3.3	20	0	16	4.0	11	47
APR												
20...	9.2	3.0	17	48	1.2	3.7	27	0	22	5.4	9.4	30
MAY												
24...	12	12	97	71	4.7	6.4	30	0	25	3.0	33	160
JUN												
21...	9.9	3.5	18	48	1.3	3.3	50	0	41	4.0	6.8	18
JUL												
17...	9.2	4.3	21	51	1.4	2.8	57	0	47	2.3	7.1	26
SEP												
01...	13	5.5	25	47	1.5	4.0	79	0	65	6.3	6.5	32
13...	7.5	2.9	12	42	.9	4.8	42	0	34	6.7	6.3	18

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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)
JAN												
26...	180	<1.0	.26	.05	.31	1.1	.29	3	2	1	0	0
FEB												
17...	61	<1.0	.19	.05	.24	1.1	.17	2	1	1	0	0
MAR												
17...	144	<1.0	.32	.05	.37	.09	.27	2	2	0	0	0
APR												
20...	166	<1.0	.55	.08	.63	5.8	.27	3	1	2	0	0
MAY												
24...	94	<1.0	.74	.00	.74	.73	.21	3	2	1	0	0
JUN												
21...	64	<1.0	.34	.01	.35	.61	.18	2	1	1	5	5
JUL												
17...	23	<1.0	.00	.02	.02	.48	.12	3	1	2	0	0
SEP												
01...	22	<1.0	.07	.01	.08	.56	.17	4	1	3	10	0
13...	20	<1.0	.05	.02	.07	1.0	.30	5	1	4	0	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
JAN 26...	0	0	0	0	20	0	190	190	2	70	16	16
FEB 17...	0	1	0	1	0	0	--	--	30	450	4	0
MAR 17...	0	0	0	0	20	0	18	13	5	80	2	2
APR 20...	0	0	0	0	10	0	5	1	4	570	10	7
MAY 24...	0	1	0	1	10	0	9	6	3	30	10	9
JUN 21...	0	0	0	0	0	0	6	3	3	40	3	3
JUL 17...	0	1	0	1	0	0	7	3	4	110	7	4
SEP 01...	10	0	0	0	0	0	5	1	4	140	0	0
13...	0	0	0	0	0	0	4	0	4	140	6	6

DATE	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)
JAN 26...	0	.0	.0	.0	7	5	2	1	1	0	1.0
FEB 17...	4	1.2	1.2	.0	6	6	0	1	1	0	5.0
MAR 17...	0	.0	.0	.0	7	6	1	1	1	0	1.0
APR 20...	3	.0	.0	.0	2	2	0	0	0	0	1.0
MAY 24...	1	.0	.0	.0	8	7	1	1	1	0	1.0
JUN 21...	0	.0	.0	.0	3	3	0	0	0	0	.0
JUL 17...	3	.0	.0	.0	6	4	2	0	0	0	.0
SEP 01...	0	.0	.0	.0	0	0	0	0	0	0	.6
13...	0	.0	.0	.0	3	3	0	0	0	0	1.6

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 (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
JAN 26...	40	40	0	16	.00	4	0	.0	.00	.000	.0	.000
FEB 17...	--	--	60	11	.00	2	0	.0	.00	.000	.0	.000
MAR 17...	30	20	10	14	.00	2	0	.0	.00	.000	.0	.000
APR 20...	20	20	0	13	.00	0	0	.0	.00	.000	.0	.000
MAY 24...	40	30	10	14	.00	2	--	.0	.00	.000	.0	.000
JUN 21...	5	0	5	7.3	.00	3	0	--	--	--	--	--
JUL 17...	10	0	10	8.8	.00	3	0	.0	.00	.000	.0	.000
SEP 01...	20	0	20	--	.00	2	0	.0	.00	.000	.0	.000
13...	0	0	0	10	.00	6	0	.0	.00	.000	.0	.000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
JAN												
26...	.000	.000	.02	.006	.000	.000	.00	.000	.000	.001	.00	.00
FEB												
17...	.000	.000	.01	.008	.000	.000	.00	.000	.000	.001	.00	.00
MAR												
17...	.000	.000	.00	.003	.000	.000	.00	.000	.000	.001	.00	.00
APR												
20...	.000	.001	.02	.003	.000	.000	.00	.000	.000	.000	.00	.00
MAY												
24...	.000	.000	.01	.002	.000	.001	.00	.000	.000	.000	.00	.00
JUN												
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUL												
17...	.000	.000	.02	.003	.011	.000	.00	.000	.000	.001	.00	.00
SEP												
01...	.000	.000	.02	.002	.005	.000	.00	.000	.000	.002	.00	.00
13...	.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)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN												
26...	.01	.00	.00	.00	0.0	.00	.00	.03	.05	.00	.000	.000
FEB												
17...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	.000	.000
MAR												
17...	.00	.00	.00	.00	0.0	.00	.00	.01	.00	.00	1.11	.000
APR												
20...	.00	.00	.00	.00	0.0	.00	.00	.02	.00	.00	1.18	.000
MAY												
24...	.00	.00	.00	.00	0.0	.00	.00	.03	.00	.00	11.9	.760
JUN												
21...	--	--	--	--	--	--	--	.00	.03	.05	10.0	.000
JUL												
17...	.00	.00	.00	.00	0.0	.00	.00	.04	.01	.02	24.7	.000
SEP												
01...	.00	.00	.00	.00	0.0	.00	.00	--	--	--	8.20	.000
13...	.00	.00	.00	.00	0.0	.00	.00	.01	.01	.00	3.72	.000

295148092510100 MERMENTAU RIVER NORTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIER, 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.

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, 30.5°C July 9, 11, Aug. 23; minimum daily, 4.0°C Jan. 20, 21.
CHLORIDE: Maximum daily, 11,000 mg/L Apr. 8; minimum daily, 11.0 mg/L Feb. 8.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	23.0	14.5	13.0	8.0	10.5	19.0	23.5	28.5	29.5	29.0	27.0
2	28.5	22.0	15.5	9.0	7.0	13.5	20.0	21.0	28.5	29.5	29.0	28.0
3	23.0	19.0	17.0	9.0	6.5	10.5	21.0	22.5	27.0	29.5	29.0	28.0
4	18.5	16.5	18.5	8.0	6.5	11.5	21.0	18.5	26.0	---	29.0	27.5
5	20.0	19.0	20.0	10.0	6.5	9.0	21.5	21.0	28.0	30.0	28.0	26.5
6	22.5	18.5	14.5	12.0	7.0	10.0	22.0	23.0	28.5	29.0	28.0	28.0
7	23.5	19.5	12.0	12.0	6.5	10.5	22.5	24.5	27.5	30.0	28.0	27.5
8	23.0	20.0	14.0	13.0	5.5	12.5	23.5	24.5	27.0	29.0	28.5	26.0
9	23.5	19.0	14.5	7.0	5.5	12.0	23.0	25.0	26.5	30.5	29.0	25.5
10	22.5	15.0	7.5	6.5	6.5	11.0	22.5	26.0	26.0	30.0	28.0	26.0
11	22.5	---	6.5	7.5	7.0	12.0	20.0	25.0	28.0	30.5	30.0	25.5
12	---	14.5	8.5	7.5	9.5	13.5	16.5	25.0	28.0	30.0	29.5	26.5
13	16.0	14.0	10.5	8.5	9.5	16.0	16.0	25.0	28.5	30.0	29.5	26.5
14	17.0	14.5	12.0	6.0	8.5	16.0	18.5	23.0	28.0	---	29.0	27.0
15	17.0	16.0	12.0	5.5	8.0	10.5	21.0	25.5	26.5	29.5	26.5	27.0
16	17.0	27.0	13.0	8.0	8.0	14.0	22.5	23.0	28.0	30.0	27.5	27.5
17	17.0	19.0	14.5	8.0	10.0	10.0	22.5	26.0	29.0	29.5	28.0	28.0
18	---	18.5	13.0	6.0	8.0	14.0	22.5	26.0	29.0	30.0	28.0	28.0
19	19.0	17.5	14.0	5.0	6.5	11.0	22.5	25.5	28.5	30.0	29.0	29.0
20	20.0	19.0	14.0	4.0	8.0	16.0	20.0	26.0	29.5	29.0	29.0	29.0
21	21.5	21.0	14.0	4.0	6.5	18.0	19.5	25.5	29.0	28.5	28.0	28.0
22	21.5	17.5	8.5	---	6.5	18.0	21.5	28.0	29.5	27.0	29.0	28.0
23	22.5	17.5	13.0	5.0	9.0	19.0	22.5	27.5	29.5	26.5	30.5	28.0
24	22.0	17.0	11.0	10.0	10.0	19.5	23.0	28.0	29.0	27.0	29.0	24.5
25	22.0	18.0	10.5	8.5	11.0	16.0	23.0	27.5	29.0	28.0	30.0	26.5
26	---	18.0	10.0	7.0	13.0	16.0	24.0	28.0	29.0	29.0	29.0	25.0
27	21.5	16.0	8.0	8.0	13.5	15.0	20.0	27.5	29.0	28.0	29.0	26.0
28	20.5	18.0	9.0	7.0	14.5	---	20.5	29.0	29.0	27.0	28.5	25.0
29	22.5	20.5	8.0	6.0	---	16.5	21.5	28.0	29.0	28.0	27.0	25.0
30	20.0	18.5	8.0	7.5	---	18.0	24.0	26.0	28.0	29.0	26.0	23.5
31	23.0	---	11.0	8.0	---	---	---	28.0	---	28.5	26.5	---
MONTH	21.5	18.5	12.0	8.0	8.5	14.0	21.5	25.0	28.0	29.0	28.5	27.0
YEAR	MAX	30.5	MIN	4.0	MEAN	20.0						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	52	99	18	23	22	140	3200	4200	300	320	230
2	66	50	90	18	24	22	380	310	4500	300	310	160
3	42	50	76	20	20	22	1600	3700	6000	300	300	150
4	50	46	70	18	25	26	450	5600	10000	320	300	160
5	52	40	47	18	23	29	600	7800	3800	300	320	200
6	58	49	59	23	22	32	9800	4300	2600	310	300	160
7	58	51	54	23	18	31	4800	1900	8200	340	300	140
8	1700	51	34	22	11	91	11000	3200	1400	340	320	110
9	940	59	22	18	20	1400	6400	3400	1200	340	280	170
10	200	38	36	18	20	38	2200	800	800	400	260	170
11	200	52	35	18	38	440	1800	3400	800	390	290	140
12	85	56	37	31	23	50	1500	3900	1100	500	280	160
13	85	68	31	28	30	25	2400	700	860	1100	300	210
14	60	100	23	28	24	110	390	900	740	2200	270	210
15	90	61	26	27	28	78	290	3100	650	1400	260	160
16	56	59	24	20	20	140	240	1800	530	1200	270	140
17	66	80	17	26	20	42	350	9200	450	690	230	160
18	97	92	19	21	21	41	2200	4400	500	1300	220	120
19	66	94	18	19	19	31	740	3900	400	2300	260	160
20	72	1200	14	18	18	59	300	9200	400	1200	270	140
21	70	120	12	18	22	78	610	9600	420	850	230	170
22	70	210	14	24	22	67	1800	6400	500	340	220	120
23	75	190	22	26	18	140	1500	4500	390	630	220	130
24	85	180	15	39	18	490	3000	9400	490	340	230	160
25	82	120	17	26	20	210	3700	3500	310	480	220	120
26	60	88	18	31	21	170	740	5600	300	540	210	140
27	59	84	20	30	25	100	680	2100	300	440	2200	140
28	62	88	18	29	28	600	680	2400	300	400	1800	140
29	58	78	26	26	---	300	700	3800	290	370	1800	140
30	63	---	33	41	---	120	1100	2800	290	420	480	190
31	66	---	18	29	---	75	---	5700	---	340	280	---
MONTH	160	120	34	24	22	160	2100	4200	1800	670	440	160

YEAR MAX 11000 MIN 11 MEAN 820

295146092510100 MERMENTAU RIVER SOUTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIER, 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.

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, 30.5°C July 16, 18, 19, Aug. 23; minimum daily 4.0°C Jan. 21, 22.
CHLORIDE: Maximum daily, 12,000 mg/L May 31; minimum daily, 11 mg/L Dec. 21, Feb. 8.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	23.0	14.5	13.0	8.0	10.5	19.0	26.0	28.0	29.5	29.0	27.0
2	28.0	22.5	15.5	9.0	7.0	13.5	20.0	24.0	29.0	30.0	29.0	28.0
3	23.0	20.0	17.0	9.0	7.0	10.5	21.0	23.0	27.0	29.5	29.0	28.0
4	18.5	16.5	18.5	8.0	6.5	11.5	21.5	20.0	27.0	30.0	29.0	27.5
5	20.0	19.0	20.0	10.0	6.5	10.0	22.0	21.5	28.0	30.0	28.0	26.5
6	22.0	18.5	14.5	12.0	7.0	11.0	22.0	23.0	29.5	29.0	28.0	28.0
7	23.5	19.5	---	12.0	6.0	10.5	22.5	24.0	27.5	30.0	28.0	27.5
8	24.5	20.0	14.0	14.0	5.5	12.0	23.0	24.0	27.0	29.0	28.5	26.0
9	23.5	20.0	14.0	7.0	5.5	12.0	23.5	---	26.5	30.0	29.0	25.5
10	22.5	15.0	7.5	6.5	6.5	10.5	23.0	24.5	26.0	29.5	28.0	26.0
11	22.5	16.5	6.5	7.5	7.0	12.0	21.5	25.0	28.0	30.0	30.0	25.5
12	16.0	15.0	8.5	7.5	9.5	13.0	18.5	26.0	28.0	30.0	29.5	26.5
13	16.0	14.5	10.0	8.5	9.5	16.0	19.0	25.5	28.5	29.5	29.5	26.5
14	16.5	15.0	12.0	6.0	8.5	15.5	19.0	22.5	28.0	30.0	29.0	27.0
15	17.0	16.0	12.0	5.5	6.5	10.5	20.5	25.0	26.5	29.5	26.5	27.0
16	17.0	27.0	13.0	8.0	8.0	14.5	22.5	24.0	28.0	30.5	27.5	27.5
17	17.0	19.0	14.5	8.0	8.0	10.5	22.0	26.0	29.0	29.0	28.0	28.0
18	18.0	18.5	13.0	6.5	8.0	14.5	22.5	26.0	29.5	30.5	28.0	28.0
19	19.0	17.5	14.0	5.0	6.5	10.5	22.5	25.0	28.5	30.5	29.0	29.0
20	20.0	18.5	14.0	4.5	8.0	17.0	25.0	---	29.5	29.5	29.0	29.0
21	21.5	21.5	10.0	4.0	6.0	18.0	20.5	28.5	29.5	29.0	28.0	28.0
22	21.5	17.5	8.5	4.0	6.5	17.5	21.5	27.0	29.5	27.0	29.0	28.0
23	22.5	17.0	12.0	5.0	9.5	18.0	23.0	28.0	29.5	26.5	30.5	28.0
24	22.0	17.5	12.0	8.5	10.0	19.0	22.5	28.0	29.5	27.0	29.0	24.5
25	22.0	17.0	10.5	8.5	11.0	15.0	22.5	28.0	29.0	28.0	30.0	26.5
26	---	18.5	10.0	7.0	12.5	15.0	20.0	28.5	29.0	29.0	29.0	25.0
27	21.5	16.5	8.0	8.0	13.5	15.5	21.0	28.0	29.0	28.0	29.0	26.0
28	20.5	18.5	9.0	7.0	14.0	16.0	20.5	28.0	29.0	27.0	28.5	25.0
29	22.5	20.5	8.0	6.0	---	17.0	22.5	28.5	29.0	28.0	27.0	25.0
30	20.5	18.5	8.0	7.5	---	18.0	25.0	26.5	28.0	29.0	26.0	23.5
31	23.0	---	11.0	8.0	---	---	---	26.5	---	---	26.5	---
MONTH	21.0	18.5	12.0	8.0	8.0	14.0	21.5	25.5	28.5	29.0	28.5	27.0
YEAR	MAX	30.5	MIN	4.0	MEAN	20.0						

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	77	84	18	25	28	970	6800	11000	300	310	230
2	---	61	81	15	26	24	1200	7500	11000	290	300	180
3	---	60	80	21	22	24	600	7400	11000	300	290	200
4	---	42	66	18	24	26	1400	8200	10000	300	290	180
5	---	140	62	20	23	31	2100	8200	9600	330	300	200
6	71	61	57	22	26	30	6900	8000	9800	330	340	180
7	44	52	52	28	16	32	6600	7800	8200	300	300	150
8	2400	54	31	24	11	1900	2400	8000	1500	340	320	120
9	950	54	22	21	18	1400	900	8800	1400	340	270	180
10	150	47	25	21	20	750	500	9100	850	560	270	180
11	220	59	25	21	40	720	260	9100	750	850	310	150
12	84	56	37	24	27	920	2200	8900	750	1600	290	170
13	85	72	29	21	31	220	4200	9100	920	1400	270	180
14	60	80	33	20	27	520	6600	9000	840	1200	280	190
15	65	61	21	23	21	930	6000	8900	580	2000	260	180
16	64	60	24	21	20	1400	650	8800	560	2300	260	140
17	55	140	17	22	24	1400	3600	1500	500	750	220	150
18	91	70	21	18	22	990	2800	8800	470	2800	240	120
19	60	110	14	21	30	680	4500	9300	410	840	260	120
20	72	3100	14	19	23	640	3100	3300	450	2800	220	130
21	71	850	11	20	25	2700	3900	8700	290	3300	220	170
22	80	210	19	22	20	1100	3400	9700	400	400	280	120
23	72	1100	32	25	18	890	3100	9300	400	480	250	120
24	93	690	14	44	18	890	7300	9200	390	350	240	140
25	85	140	26	36	20	2800	8200	9900	260	740	250	120
26	60	90	15	35	23	2600	7600	9900	340	490	270	160
27	60	80	17	35	23	2300	7700	10000	320	430	1300	140
28	65	85	23	35	22	2100	4400	10000	300	420	2000	120
29	67	80	41	39	---	680	5900	10000	300	370	2000	120
30	60	---	32	34	---	1300	6500	11000	300	360	680	140
31	67	---	21	27	---	1200	---	12000	---	340	280	---
MONTH	200	270	34	25	23	1000	3800	8600	2800	890	430	160

YEAR MAX 12000 MIN 11 MEAN 1600

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIER, 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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
26...	1145	154	7.1	140	80	12.0	40	2.6	K1000	260	24	1
FEB												
17...	1150	117	7.1	60	90	11.2	34	2.0	--	K20	19	2
MAR												
17...	1140	7280	7.5	30	340	9.2	560	9.0	--	40	780	730
APR												
20...	1205	14100	7.5	40	75	8.6	120	1.8	20	14	1600	1600
MAY												
24...	1050	32300	8.2	15	35	7.9	390	2.5	<5	<5	3900	3800
JUN												
21...	1045	4250	7.2	10	40	8.4	98	2.9	K80	K12	370	330
JUL												
17...	1200	3050	7.6	20	140	8.4	150	3.5	K1600	K40	1200	1100
SEP												
01...	1035	1450	7.4	20	65	7.2	40	1.2	K70	K10	150	100
13...	1245	1250	7.6	30	75	7.8	37	3.1	1200	<5	130	77

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
26...	5.3	2.5	16	56	1.4	2.9	28	0	23	3.6	10	20
FEB												
17...	4.7	1.8	12	54	1.2	2.4	21	0	17	2.7	7.9	17
MAR												
17...	55	160	1100	73	17	86	64	0	52	3.2	250	2200
APR												
20...	180	290	2700	77	29	81	80	0	66	4.0	600	5000
MAY												
24...	310	770	6200	76	43	250	130	0	107	1.3	250	12000
JUN												
21...	39	67	600	76	14	28	51	0	42	5.1	160	1100
JUL												
17...	--	290	2400	80	30	100	91	0	75	3.7	640	4200
SEP												
01...	17	25	210	74	7.6	10	52	0	43	3.3	58	380
13...	16	22	190	74	7.2	10	65	0	53	2.6	48	340

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN												
26...	212	<1.0	.28	.05	.33	.35	.29	4	3	1	10	10
FEB												
17...	122	<1.0	.28	.07	.35	.61	.23	2	1	1	0	0
MAR												
17...	3560	<1.0	.00	.00	.00	1.1	1.5	20	18	2	0	0
APR												
20...	10	<1.0	.02	.01	.03	6.8	.07	2	1	1	1	0
MAY												
24...	90	<1.0	--	.00	--	.68	.09	1	1	0	20	20
JUN												
21...	1260	<1.0	.05	.01	.06	1.5	.47	5	4	1	0	0
JUL												
17...	1560	75	.66	.02	.68	.82	.59	6	5	1	10	0
SEP												
01...	103	<1.0	.00	.01	.01	.55	.08	2	0	2	10	10
13...	150	<1.0	.07	.03	.10	.80	.17	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
JAN												
26...	0	0	0	0	10	0	12	11	1	60	7	7
FEB												
17...	0	0	0	0	10	0	27	7	20	100	6	6
MAR												
17...	0	1	0	1	65	0	36	30	6	100	47	47
APR												
20...	1	2	0	2	10	0	5	0	5	50	2	2
MAY												
24...	0	0	0	0	20	0	9	6	3	30	4	4
JUN												
21...	0	3	0	3	20	2	18	7	11	30	14	11
JUL												
17...	10	1	0	1	10	0	13	9	4	70	10	7
SEP												
01...	0	0	0	0	10	0	6	2	4	20	0	0
13...	0	0	0	0	10	0	5	2	3	20	9	9

DATE	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)
JAN											
26...	0	.1	.1	.0	9	7	2	0	0	0	1.0
FEB											
17...	0	1.4	1.4	.0	12	0	12	1	1	0	1.0
MAR											
17...	0	.0	.0	.0	39	37	2	2	2	0	--
APR											
20...	0	.0	.0	.0	1	1	0	0	0	0	--
MAY											
24...	0	.0	.0	.0	8	8	0	0	0	0	--
JUN											
21...	3	.1	.1	.0	16	4	12	0	0	0	--
JUL											
17...	3	.0	.0	.0	12	10	2	1	1	0	--
SEP											
01...	0	.0	.0	.0	2	2	0	0	0	0	--
13...	0	.0	.0	.0	6	6	0	0	0	0	--

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN												
26...	30	20	10	15	.00	4	0	.0	.00	.00	.0	.00
FEB												
17...	50	30	20	14	.00	1	0	.0	.00	.00	.0	.00
MAR												
17...	240	220	20	75	.00	0	0	.0	.00	.00	.0	.00
APR												
20...	30	10	20	10	.00	0	0	.0	.00	.00	.0	.00
MAY												
24...	40	10	30	5.2	.00	1	0	.0	.00	.00	.0	.00
JUN												
21...	60	50	10	28	.00	2	0	.0	.00	.00	.0	.00
JUL												
17...	50	20	30	42	.00	1	0	.0	.00	.00	.0	.00
SEP												
01...	20	10	10	--	.00	3	0	.0	.00	.00	.0	.00
13...	20	20	0	12	.00	2	--	.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)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN												
26...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB												
17...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR												
17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR												
20...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY												
24...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN												
21...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL												
17...	.00	.00	.20	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP												
01...	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN												
26...	.00	.00	.00	.00	0	.00	.00	.00	.02	.00	.000	.000
FEB												
17...	.00	.00	.00	.00	0	.00	.00	.02	.02	.00	.000	.000
MAR												
17...	.00	.00	.00	.00	0	.00	.00	--	--	--	--	--
APR												
20...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	24.6	.000
MAY												
24...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	16.7	.000
JUN												
21...	.00	.00	.00	.00	0	.00	.00	.03	.01	.04	31.2	.000
JUL												
17...	.00	.00	.01	.00	0	.00	.00	.00	.00	.01	18.7	.000
SEP												
01...	.00	.00	.00	.00	0	.00	.00	.01	.00	.01	15.1	.000
13...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	.000	.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.--January 1978 to September 1978.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
JAN												
26...	1225	210	7.0	140	70	10.4	48	2.5	1600	500	29	9
FEB												
17...	1235	206	7.1	80	80	9.8	40	2.0	500	62	30	9
MAR												
17...	1217	336	7.0	100	170	8.2	56	1.3	460	68	38	13
APR												
20...	1300	193	7.0	160	230	7.5	50	.8	K160	48	27	6
MAY												
24...	1125	314	7.2	80	170	7.3	7	1.3	K20	<5	46	19
JUN												
21...	1130	351	7.3	150	75	7.0	36	.6	1500	K2	53	20
JUL												
17...	1240	366	7.7	60	65	7.1	140	1.7	6000	<5	61	16
SEP												
01...	1230	362	7.3	60	50	7.2	23	.8	K80	K15	57	9
13...	1315	359	7.5	40	25	9.5	19	3.3	530	<5	57	15

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
JAN												
26...	6.5	3.1	26	63	2.1	2.9	24	0	20	3.8	12	43
FEB												
17...	6.4	3.3	29	66	2.3	2.7	25	0	21	3.2	9.3	45
MAR												
17...	6.8	5.1	41	68	2.9	3.4	31	0	25	5.0	9.0	62
APR												
20...	7.0	2.4	20	58	1.7	2.9	25	0	21	4.0	13	32
MAY												
24...	8.7	5.9	44	65	2.8	4.2	33	0	27	3.3	18	68
JUN												
21...	10	6.7	41	61	2.5	3.9	40	0	33	3.2	23	72
JUL												
17...	13	6.9	52	63	2.9	3.4	55	0	45	1.8	17	85
SEP												
01...	12	6.5	44	61	2.5	3.8	58	0	48	4.7	13	73
13...	12	6.6	48	63	2.8	3.9	51	0	42	2.6	15	75

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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)
JAN												
26...	190	<1.0	.07	.01	.08	.90	.16	2	1	1	0	0
FEB												
17...	78	<1.0	.19	.05	.24	1.2	.15	1	0	1	0	0
MAR												
17...	224	<1.0	.30	.03	.33	1.1	.17	2	2	0	0	0
APR												
20...	364	<1.0	.45	.09	.54	2.1	.19	4	2	2	0	0
MAY												
24...	34	<1.0	.49	.00	.49	.87	.15	3	2	1	0	0
JUN												
21...	18	<1.0	.44	.03	.47	.78	.15	2	1	1	0	0
JUL												
17...	30	<1.0	.00	.02	.02	1.1	.07	3	2	1	0	0
SEP												
01...	40	<1.0	.08	.02	.10	.65	.09	3	1	2	0	0
13...	12	<1.0	.01	.01	.02	.82	.08	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)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)
JAN												
26...	0	1	0	1	10	0	3	3	0	200	5	5
FEB												
17...	0	0	0	0	0	0	22	12	10	380	5	5
MAR												
17...	0	0	0	0	10	0	7	3	4	90	1	1
APR												
20...	0	0	0	0	0	0	6	1	5	50	12	12
MAY												
24...	0	1	0	1	10	0	7	5	2	50	10	9
JUN												
21...	0	1	1	0	10	0	9	6	3	10	5	5
JUL												
17...	0	1	1	0	10	0	7	3	4	40	11	9
SEP												
01...	0	0	0	0	10	0	7	3	4	660	2	2
13...	0	0	0	0	10	0	4	1	3	60	15	15

DATE	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)
JAN											
26...	0	.1	.1	.0	7	4	3	0	0	0	1.0
FEB											
17...	0	.9	.9	.0	5	3	2	0	0	0	4.0
MAR											
17...	0	.0	.0	.0	8	7	1	1	1	0	1.0
APR											
20...	0	.0	.0	.0	11	11	0	0	0	0	.0
MAY											
24...	1	.0	.0	.0	4	4	0	0	0	0	.0
JUN											
21...	0	.0	.0	.0	5	5	0	0	0	0	.4
JUL											
17...	2	.1	.1	.0	16	9	7	0	0	0	.0
SEP											
01...	0	.0	.0	.0	0	0	0	0	0	0	.0
13...	0	.0	.0	.0	3	1	2	0	0	0	--

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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 (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)
JAN												
26...	30	20	10	14	.00	3	0	.0	.00	.00	.0	.00
FEB												
17...	30	10	20	13	.00	3	0	.0	.00	.00	.0	.00
MAR												
17...	20	20	0	14	.00	2	0	.0	.00	.00	.0	.00
APR												
20...	20	20	0	16	.00	1	0	.0	.00	.00	.0	.00
MAY												
24...	20	10	10	14	.00	3	0	.0	.00	.00	.0	.00
JUN												
21...	10	10	0	9.1	.00	1	0	.0	.00	.00	.0	.00
JUL												
17...	20	10	10	11	.00	2	0	.0	.00	.00	.0	.00
SEP												
01...	20	0	20	--	.00	2	0	.0	.00	.00	.0	.00
13...	10	0	10	9.4	.00	2	0	.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)	METH-OXY-CHLOR, TOTAL (UG/L)
JAN												
26...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB												
17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR												
17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR												
20...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY												
24...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN												
21...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL												
17...	.00	.00	.02	.00	.02	.00	.00	.00	.00	.00	.00	.00
SEP												
01...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13...	.00	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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)
JAN												
26...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	.000	.000
FEB												
17...	.00	.00	.00	.00	0	.00	.00	.01	.01	.01	1.84	.000
MAR												
17...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	4.06	.000
APR												
20...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	6.63	.000
MAY												
24...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	9.09	.000
JUN												
21...	.00	.00	.00	.00	0	.00	.00	.03	.02	.07	4.07	.000
JUL												
17...	.00	.00	.01	.00	0	.00	.00	.02	.00	.03	26.1	.630
SEP												
01...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	5.89	.000
13...	.00	.00	.00	.00	0	.00	.00	.03	.02	.01	4.81	.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.

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. 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, 32.0°C Aug. 17, 18; minimum daily, 5.0°C Jan. 21.
CHLORIDE: Maximum daily, 210 mg/L May 25; minimum daily, 18 mg/L Dec. 2.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	26.0	---	---	10.0	10.0	24.0	19.0	27.0	30.0	30.0	29.0
2	25.5	20.5	---	---	10.0	10.0	23.5	20.0	28.0	30.0	30.0	28.0
3	21.0	21.0	---	---	11.0	---	25.0	20.0	28.0	31.0	30.0	28.5
4	20.0	21.0	20.0	---	10.0	8.0	22.0	16.0	27.0	31.0	30.0	28.0
5	21.0	21.0	20.5	---	12.0	8.0	23.5	21.0	28.0	30.0	31.0	28.5
6	24.5	20.0	24.5	---	10.0	10.5	24.0	21.0	27.5	28.0	31.5	29.5
7	24.5	19.0	28.5	---	8.0	12.0	25.0	21.0	27.0	28.5	31.0	29.5
8	24.5	19.5	---	---	9.0	10.0	25.5	19.0	27.0	28.0	31.5	28.5
9	24.0	21.0	26.5	---	10.0	10.0	24.5	19.5	28.0	28.5	31.5	28.5
10	24.0	19.5	---	---	20.0	19.0	25.0	---	27.5	29.0	31.0	29.0
11	24.5	19.5	20.0	8.0	19.0	19.0	10.0	26.0	28.0	29.0	30.5	29.0
12	23.0	28.5	20.5	10.0	17.0	19.0	20.0	26.0	27.0	29.5	30.5	28.0
13	23.0	19.5	---	10.0	12.0	---	25.0	26.0	25.0	29.5	31.0	28.5
14	23.0	22.0	27.5	10.5	---	---	25.0	27.0	20.5	31.0	31.0	29.0
15	23.0	22.0	21.0	10.5	11.0	---	25.0	27.5	20.0	29.5	31.0	28.5
16	23.0	22.0	21.0	10.0	12.0	---	26.0	27.5	25.0	28.0	31.5	30.0
17	23.5	22.0	20.0	9.0	11.5	---	26.5	20.5	29.5	---	32.0	30.0
18	23.0	22.5	16.0	7.0	11.5	---	24.0	20.5	28.0	29.5	32.0	30.5
19	23.0	22.0	17.5	10.0	12.0	---	20.0	20.0	29.0	30.0	31.0	29.0
20	23.0	22.0	15.0	11.0	11.0	---	20.0	21.5	26.5	28.0	30.5	29.5
21	23.0	22.0	14.5	5.0	15.0	---	25.5	20.0	29.0	29.5	26.0	20.5
22	23.0	21.5	11.5	9.0	15.5	---	26.0	21.0	29.0	29.5	27.0	20.5
23	23.0	22.0	15.0	10.5	16.0	---	26.5	20.5	28.5	29.5	28.0	20.0
24	23.0	23.5	14.5	10.0	17.0	---	20.0	24.0	28.0	29.0	27.5	20.5
25	23.0	22.0	12.0	9.0	17.0	---	20.5	23.5	29.5	29.0	27.5	---
26	23.5	23.0	11.5	9.0	16.0	---	---	24.0	30.0	29.5	27.0	---
27	23.5	22.0	12.5	10.0	16.5	---	19.0	23.5	29.0	27.5	27.5	---
28	23.5	22.5	---	10.0	18.0	---	20.0	24.0	30.0	30.0	26.5	---
29	25.5	21.5	12.0	10.0	---	---	20.5	25.0	30.0	30.0	25.0	---
30	25.0	19.0	---	---	---	---	25.0	25.0	29.0	30.0	26.0	---
31	25.5	---	---	---	---	---	---	---	---	29.0	25.0	---
MONTH	23.5	21.5	---	---	13.5	---	23.0	22.5	27.5	29.5	29.5	27.5

YEAR MAX 32.0 MIN 5.0 MEAN 22.5

295600093053000 INTRACOASTAL WATERWAY AT GIBBSTOWN, LA (CE 76873)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	100	23	54	40	63	78	55	160	68	70	70
2	51	130	18	53	38	66	96	60	150	66	70	65
3	55	110	35	74	32	---	91	60	150	65	75	65
4	56	120	40	87	38	63	90	50	150	65	75	72
5	58	130	29	69	34	60	80	88	160	64	65	65
6	56	130	28	66	36	61	88	62	150	68	65	62
7	60	110	46	66	40	65	89	65	150	68	65	62
8	69	140	23	68	42	55	72	70	4[illegible]	65	60	52
9	81	120	48	69	40	59	78	75	150	66	70	50
10	60	100	24	71	40	59	80	---	150	66	65	50
11	54	100	34	70	38	60	82	170	95	65	72	50
12	61	110	90	66	---	58	78	160	150	66	72	60
13	55	88	50	65	42	---	87	160	150	71	98	65
14	65	92	46	55	42	---	76	170	65	66	98	60
15	65	120	46	64	54	---	90	160	50	69	90	60
16	66	85	47	55	53	---	88	170	55	100	95	58
17	67	80	43	65	54	---	60	92	59	96	95	60
18	66	95	40	61	50	---	51	82	60	92	95	38
19	66	80	39	64	66	---	58	82	51	96	90	40
20	66	86	38	68	53	---	80	84	56	96	90	85
21	66	88	39	74	51	---	85	82	50	92	100	70
22	63	82	59	64	54	---	47	84	50	92	100	72
23	62	76	52	62	55	---	45	77	38	98	95	68
24	68	78	64	82	61	---	88	200	50	91	100	70
25	64	90	63	85	56	---	79	210	44	100	100	---
26	64	76	61	56	56	---	70	190	44	110	100	---
27	69	88	62	50	58	---	84	180	43	98	100	---
28	76	88	64	34	56	---	50	180	42	62	100	---
29	91	75	77	28	---	---	60	200	45	62	100	---
30	62	70	---	25	---	---	55	180	44	68	100	---
31	130	---	---	44	---	---	---	---	---	70	110	---
MONTH	66	98	46	62	47	---	75	120	88	78	86	61

YEAR MAX 210 MIN 18 MEAN 75

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT												
26...	1105	26100	8.0	5	3	7.9	380	2.2	--	--	3100	3100
NOV												
15...	1005	39500	8.1	0	20	8.9	190	1.6	<5	<5	4900	4800
DEC												
19...	1010	12700	7.6	30	20	8.1	170	.8	120	K15	1300	1300
JAN												
26...	1245	9450	7.2	30	35	10.4	98	2.7	4000	460	950	920
FEB												
17...	1300	11800	7.5	30	25	11.4	40	2.3	K8	K2	1300	1300
MAR												
17...	1240	34200	8.0	10	45	9.0	140	2.0	K56	K6	4000	3900
APR												
20...	1315	25500	8.0	10	8	9.1	89	2.4	K20	<5	3000	2900
MAY												
24...	1145	34100	8.3	5	25	8.3	420	2.6	K72	K4	4600	4500
JUN												
21...	1145	24800	8.0	10	2	7.5	340	2.8	4200	110	3700	3600
JUL												
17...	1300	35900	8.1	5	10	7.3	470	3.8	1100	K120	4200	4100
SEP												
01...	1245	26400	7.7	5	10	7.5	190	2.5	230	K10	2800	2700
13...	1335	24800	7.9	10	20	8.0	910	3.5	5600	K16	2800	2700

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT												
26...	200	640	--	--	--	--	50	0	41	.8	1100	8700
NOV												
15...	160	1100	--	--	--	--	145	0	119	1.8	2100	16000
DEC												
19...	91	270	2300	78	27	89	59	0	48	2.4	27	4000
JAN												
26...	66	190	1500	76	21	61	42	0	34	4.2	380	2800
FEB												
17...	85	260	2100	77	26	85	49	0	40	2.5	570	3800
MAR												
17...	230	820	6300	76	44	380	110	0	90	1.8	1400	12000
APR												
20...	180	610	4900	78	39	60	97	0	80	1.6	1300	8700
MAY												
24...	290	940	7200	76	46	250	129	0	106	1.0	1600	13000
JUN												
21...	190	790	4500	71	32	210	111	0	91	1.8	1200	8900
JUL												
17...	250	870	7400	78	50	300	118	0	97	1.5	1700	13000
SEP												
01...	190	570	5200	79	42	200	108	0	89	3.4	1200	9200
13...	200	550	5100	79	42	190	116	0	95	2.3	1300	9100

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

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	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												
26...	22	<1.0	.02	.01	.03	.54	.06	0	0	0	0	0
NOV												
15...	81	<1.0	.07	.01	.08	.22	.11	2	0	2	10	0
DEC												
19...	65	<1.0	.25	.01	.26	.66	.07	1	0	1	0	0
JAN												
26...	88	<1.0	.15	.01	.16	.65	.10	1	1	0	10	10
FEB												
17...	48	<1.0	.23	.01	.24	1.7	.06	0	0	0	0	0
MAR												
17...	77	<1.0	.04	.01	.05	.09	.12	1	1	0	0	0
APR												
20...	2	<1.0	.13	.03	.16	.69	.03	2	2	0	10	0
MAY												
24...	53	<1.0	.04	.01	.05	.46	.06	1	1	0	5	0
JUN												
21...	41	<1.0	.30	.01	.31	.48	.07	1	0	1	20	0
JUL												
17...	33	<1.0	.00	.01	.01	.54	.07	2	0	2	20	0
SEP												
01...	25	<1.0	.01	.05	.06	.69	.07	2	0	2	10	0
13...	35	<1.0	.14	.07	.21	.89	.10	2	1	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)
OCT											
26...	0	20	19	1	8	0	20	16	4	40	--
NOV											
15...	10	1	0	1	20	0	9	8	1	40	5
DEC											
19...	0	1	0	1	0	0	10	4	6	40	2
JAN											
26...	0	1	0	1	20	0	6	4	2	60	1
FEB											
17...	0	1	0	1	0	0	--	--	--	40	2
MAR											
17...	0	2	0	2	10	0	5	4	1	50	8
APR											
20...	10	4	0	4	20	0	3	0	3	40	3
MAY											
24...	5	0	0	0	15	0	5	3	2	10	3
JUN											
21...	20	0	0	0	20	0	8	5	3	0	4
JUL											
17...	20	1	0	1	20	0	5	2	3	40	6
SEP											
01...	10	1	1	0	10	0	5	2	3	20	0
13...	0	1	1	0	10	0	4	2	2	70	2

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)
OCT 26...	--	1	.0	.0	.0	--	--	1	0	0	0
NOV 15...	3	2	.0	.0	.0	7	7	0	2	0	2
DEC 19...	2	0	.0	.0	.0	4	2	2	0	0	0
JAN 26...	1	0	.1	.1	.0	5	5	0	0	0	0
FEB 17...	2	0	.9	.9	.0	5	5	0	0	0	0
MAR 17...	4	4	.0	.0	.0	1	0	1	0	0	0
APR 20...	3	0	.0	.0	.0	0	0	0	0	0	0
MAY 24...	3	0	.1	.1	.0	2	2	0	0	0	0
JUN 21...	4	0	.0	.0	.0	4	4	0	0	0	0
JUL 17...	4	2	.0	.0	.0	5	3	2	0	0	0
SEP 01...	0	0	.0	.0	.0	0	0	0	1	1	0
13...	2	0	.0	.0	.0	5	5	0	1	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 (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 26...	40	0	40	5.8	.00	2	1	.0	.00	.00	.0	.00
NOV 15...	50	0	50	4.8	.00	2	0	.0	.00	.00	.0	.00
DEC 19...	20	0	20	7.0	.00	0	0	.0	.00	.00	.0	.00
JAN 26...	30	20	10	7.9	.00	4	0	.0	.00	.00	.0	.00
FEB 17...	20	0	20	6.7	.00	2	0	.0	.00	.00	.0	.00
MAR 17...	40	20	20	4.8	.00	0	0	.0	.00	.00	.0	.00
APR 20...	50	10	40	4.4	.00	0	0	.0	.00	.00	.0	.00
MAY 24...	40	0	40	3.6	.00	1	0	.0	.00	.00	.0	.00
JUN 21...	40	0	40	4.4	.00	2	0	.0	.00	.00	.0	.00
JUL 17...	70	10	60	5.4	.00	3	0	.0	.00	.00	.0	.00
SEP 01...	40	0	40	--	.00	1	0	.0	.00	.00	.0	.00
13...	30	10	20	8.3	.00	1	0	.0	.00	.00	.0	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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												
26...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NOV												
15...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
DEC												
19...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN												
26...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB												
17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAR												
17...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
APR												
20...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
MAY												
24...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUN												
21...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
JUL												
17...	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP												
01...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
13...	.00	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	MIREX, TOTAL (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												
26...	.00	.00	.00	.00	0	.00	.00	.02	.01	.01	.475	.033
NOV												
15...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	6.20	.000
DEC												
19...	.00	.00	.00	.00	0	.00	.00	.00	.01	.00	1.83	.000
JAN												
26...	.00	.00	.00	.00	0	.00	.00	.00	.00	.00	.000	.000
FEB												
17...	.00	.00	.00	.00	0	.00	.00	.01	.01	.00	4.22	.000
MAR												
17...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	5.37	.000
APR												
20...	.00	.00	.00	.00	0	.00	.00	.00	.01	.00	15.5	.000
MAY												
24...	.00	.00	.00	.00	0	.00	.00	.01	.00	.00	25.2	.000
JUN												
21...	.00	.00	.00	.00	0	.00	.00	.03	.00	.00	12.6	.000
JUL												
17...	.00	.00	.01	.00	0	.00	.00	.03	.00	.00	21.3	.000
SEP												
01...	.00	.00	.00	.00	0	.00	.00	.00	.01	.01	18.4	.000
13...	.00	.00	.00	.00	0	.00	.00	.04	.01	.00	10.7	.000

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1978

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		MISSISSIPPI RIVER MAIN STEM				
07374525 Mississippi River	Gulf of Mexico	Lat 29°51'25", long 89°58'40", Plaquemines Parish, 0.4 mi upstream from Belle Chasse ferry crossing at Belle Chasse and at river mile 76.4.	*1,129,930	1976	6- 8-78	746,000
					6-29-78	405,000
					8-17-78	291,000
					9-12-78	249,000

* Arbitrarily determined.

MISSISSIPPI RIVER DELTA

292923090495300 UNNAMED CANAL NEAR THERIOT, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
MAY											
24...	0800	--	--	--	--	--	6.9	6.5	--	--	--
JUL											
06...	0800	776	6.7	31.0	60	3	2.0	1.8	90	36	22
AUG											
08...	1030	662	6.4	27.5	100	0	6.9	--	82	21	19

DATE	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)	FLUORIDE, DISSOLVED (MG/L AS F)
MAY											
24...	--	--	--	--	--	--	--	--	--	--	--
JUL											
06...	8.4	120	74	5.5	2.5	65	0	53	5.2	200	.1
AUG											
08...	8.3	92	69	4.4	5.6	74	0	61	3.7	160	.1

DATE	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)	SETTLEABLE MATTER (ML/L/HR)	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, ORGANIC TOTAL (MG/L AS N)
MAY										
24...	--	--	--	--	--	.02	.01	.03	.64	2.1
JUL										
06...	5.8	433	397	.59	--	.00	.01	.01	.13	1.4
AUG										
08...	6.4	372	332	.51	<1.0	--	--	.28	.18	1.6

DATE	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)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAY										
24...	2.7	2.7	12	--	--	--	19	.00	.00	.00
JUL										
06...	1.5	1.5	6.7	.11	360	210	16	.00	.00	.00
AUG										
08...	1.8	2.1	9.2	.16	390	330	22	.82	.00	.01

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

DREDGING OPERATIONS STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers, before dredging operations in Calcasieu River, Bayou Black, Bayou LaCarpe, Bayou Grand Caillou, Baptiste Collette Bayou, and Tiger Pass.

300658093200400 CALCASIEU RIVER AT DEVILS ELBOW 4.7 MILES SOUTHEAST OF CARYLSS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT 04...	1035	21000	7.6	1	5	92	2500	2400	170	500

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 04...	3900	76	34	150	109	0	89	1000	6900	22

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
OCT 04...	22	11	<1.0	.05	.11	.16	.80	.80	1.0

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 04...	.60	.60	1.4	.00	1.4	1.6	7.1	.06	.04

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

DREDGING OPERATIONS STUDY--Continued

300658093200400 CALCASIEU RIVER AT DEVILS ELBOW 4.7 MILES SOUTHEAST OF CARYLSS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, SUS-PENDED RECOV. (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT 04...	2	2	0	10	0	10	10	10	0	20	10	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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 04...	0	20	15	5	20	100	100	0	590	160	430	.0

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)	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 04...	.0	.0	100	98	2	0	0	0	20	0	20

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PER-THANE TOTAL (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)
MAR 09...	.00	2	0	.0	.0	.00	.000	.0	.000

DATE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)
MAR 09...	.000	.000	.000	.000	.000	.00	.000	.002	.002

DATE	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR 09...	.00	.00	.00	.00	0.0	.00	.07	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300651093200400 CALCASIEU RIVER AT DEVILS ELBOW 5.0 MILES SOUTHEAST OF CARYLSS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT 04...	1030	21400	7.6	1	3	120	2500	2400	170	500

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 04...	3700	75	32	150	111	0	91	910	7200	30

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
OCT 04...	30	25	<1.0	.00	.11	.11	.77	.75	.97

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 04...	.83	.55	1.6	.30	1.3	1.7	7.6	.04	.04

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
OCT 04...	6.3	.00	4	0	.0	.00	.006	.0	.000	.000	.000

DATE	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 04...	.00	.000	.000	.000	.00	.000	.002	.002	.00	.00

DREDGING OPERATIONS STUDY--Continued

300651093200400 CALCASIEU RIVER AT DEVILS ELBOW 5.0 MILES SOUTHEAST OF CARYLSS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 04...	.00	.00	.00	.00	.00	0.0	.00	.29	.01	.00

DATE	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)	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)
OCT 04...	2	1	1	20	0	20	10	10	0	20	0	20

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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 04...	0	30	24	6	20	100	100	0	540	40	500	.0

DATE	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)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 04...	.0	.0	100	100	0	0	0	0	20	10	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300438093195900 DEVILS ELBOW 4.2 MILES NORTHWEST OF GRAND LAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
SEP 08...	1000	16400	7.2	10	3	220	1800	1700

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
SEP 08...	130	350	3000	77	31	110	80	0	66

DATE	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, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
SEP 08...	740	5500	30	30	13	<1.0	.73	.03

DATE	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)	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)
SEP 08...	0	0	0	10	0	10	10	9	1	10	10	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
SEP 08...	0	<10	<4	6	30	100	99	1	100	0	100	.0

DATE	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)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
SEP 08...	.0	.0	50	48	2	0	0	0	20	0	20

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

DREDGING OPERATIONS STUDY--Continued

3004380931995900 DEVILS ELBOW 4.2 MILES NORTHWEST OF GRAND LAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
SEP 08...	7.2	.00	2	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
SEP 08...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
SEP 08...	.01	.00	.00	.00	.00	0.0	.00	.05	.01	.00

DREDGING OPERATIONS STUDY--Continued

300438093195900 DEVILS ELBOW 4.2 MILES NORTHWEST OF GRAND LAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT 04...	1000	17000	7.3	20	2	85	1800	1700	130	370

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 04...	3100	77	31	120	86	0	71	770	5500	25

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
OCT 04...	25	16	<1.0	.04	.03	.07	.75	.58	.75

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 04...	.75	.52	1.5	.40	1.1	1.6	7.0	.15	.15

DATE	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)	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)
OCT 04...	2	1	1	0	0	0	10	9	1	30	0	30

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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 04...	0	30	19	11	30	100	97	3	110	70	40	.0

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

DREDGING OPERATIONS STUDY--Continued

3004380931995900 DEVILS ELBOW 4.2 MILES NORTHWEST OF GRAND LAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	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 04...	.0	.0	50	47	3	0	0	0	30	0	30

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 04...	7.1	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
OCT 04...	.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)
OCT 04...	.00	.00	.00	.00	.00	0.0	.00	.14	.01	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300435093200700 DEVILS ELBOW 4.1 MILES NORTHWEST OF GRAND LAKE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
SEP 08...	0945	16900	7.2	20	15	340	1400	1300

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)
SEP 08...	100	280	1900	73	22	93	80	0	66

DATE	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, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)
SEP 08...	740	3500	94	94	25	<1.0	.83	.09

DATE	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)	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)
SEP 08...	1	0	1	20	10	10	10	9	1	10	10	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
SEP 08...	0	<10	<5	5	60	100	100	0	170	10	160	.0

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

DREDGING OPERATIONS STUDY--Continued

300435093200700 DEVILS ELBOW 4.1 MILES NORTHWEST OF GRAND LAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
SEP 08...	.0	.0	50	47	3	1	0	1	20	0	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
SEP 08...	7.8	.00	2	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
SEP 08...	.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)
SEP 08...	.01	.00	.00	.00	.00	0.0	.00	.15	.02	.01

300435093200700 DEVILS ELBOW 4.1 MILES NORTHWEST OF GRAND LAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
OCT 04...	1015	17200	7.5	15	3	96	1900	1800	130	380

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
OCT 04...	3000	76	30	120	79	0	65	740	5600	22

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
OCT 04...	22	15	<1.0	.04	.04	.08	.70	.59	.76

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 04...	.90	.61	1.6	.40	1.2	1.7	7.4	.16	.11

DATE	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)	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)
OCT 04...	2	1	1	0	0	0	10	10	0	20	0	20

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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 04...	0	40	33	7	40	100	99	1	120	80	40	.0

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

DREDGING OPERATIONS STUDY--Continued

300435093200700 DEVILS ELBOW 4.1 MILES NORTHWEST OF GRAND LAKE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	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 04...	.0	.0	50	48	2	0	0	0	20	0	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 04...	7.7	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
OCT 04...	.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)
OCT 04...	.00	.00	.00	.00	.00	0.0	.00	.14	.01	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293925091015500 BAYOU BLACK 3.4 MILES SOUTHWEST OF GIBSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
NOV 02...	0940	204	7.5	120	55	160	66	9	19	4.5

DATE	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)
NOV 02...	16	33	.9	1.7	70	0	57	3.5	25

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
NOV 02...	174	25	<1.0	.02	.05	.07	.28	.28	.36

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV 02...	1.0	1.0	1.3	.00	1.3	1.4	6.2	.21	.06

DATE	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)	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)
NOV 02...	3	3	0	0	0	0	0	0	0	12	4	8

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
NOV 02...	0	11	3	8	220	8	7	1	330	150	180	.0

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

DREDGING OPERATIONS STUDY--Continued

293925091015500 BAYOU BLACK 3.4 MILES SOUTHWEST OF GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
NOV 02...	.0	.0	12	10	2	0	0	0	40	10	30

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
NOV 02...	28	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
NOV 02...	.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)
NOV 02...	.00	.00	.00	.00	.00	0.0	.00	.01	.01	.00

DREDGING OPERATIONS STUDY--Continued

293903091015800 BAYOU BLACK 3.5 MILES SOUTHWEST OF GIBSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	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)
OCT 20...	0900	361	7.0	120	85	73	71	20	16	7.5	40

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
OCT 20...	54	2.1	2.7	62	0	51	13	66	218	40

DATE	SETTLEABLE MATTER (ML/L/HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
OCT 20...	<1.0	.04	.01	.05	.38	.49	1.0	1.4	.25	.02

DATE	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)	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)
OCT 20...	4	2	2	0	0	0	0	0	0	4	4	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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 20...	0	15	7	8	240	9	8	1	340	150	190	.0

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

DREDGING OPERATIONS STUDY--Continued

293903091015800 BAYOU BLACK 3.5 MILES SOUTHWEST OF GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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)	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 20...	.0	.0	24	22	2	0	0	0	60	40	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 20...	22	.00	1	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
OCT 20...	.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)
OCT 20...	.00	.00	.00	.00	.00	0.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293903091015800 BAYOU BLACK 3.5 MILES SOUTHWEST OF GIBSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
SEP 22...	0900	131	7.0	120	4	67	41	5	11	3.4

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
SEP 22...	9.5	32	.6	2.1	45	0	37	3.1	15	24

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
SEP 22...	24	18	<1.0	.00	.00	.00	.16	.16	.21

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
SEP 22...	.97	.78	1.1	.16	.94	1.1	4.9	3.4	2.2

DATE	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)	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)
SEP 22...	2	0	2	0	0	0	<10	<10	0	10	0	10

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
SEP 22...	0	<10	<9	1	1100	<100	<85	15	300	90	210	.0

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

DREDGING OPERATIONS STUDY--Continued

293903091015800 BAYOU BLACK 3.5 MILES SOUTHWEST OF GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
SEP 22...	.0	.0	<50	<50	0	0	0	0	10	0	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
SEP 22...	18	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
SEP 22...	.00	.000	.000	.000	.00	.000	.0-0	.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)
SEP 22...	.00	.00	.00	.00	.00	0.0	.00	.00	.00	.00

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

DREDGING OPERATIONS STUDY--Continued

293858091015800 BAYOU BLACK 3.7 MILES SOUTHWEST OF GIBSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
SEP 22...	0915	136	6.9	120	20	75	41	2	11	3.4

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
SEP 22...	10	33	.7	2.1	48	0	39	3.3	15	70

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
SEP 22...	70	38	<1.0	.00	.00	.00	.19	.10	.13

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
SEP 22...	1.0	.90	1.2	.20	1.0	1.2	5.3	.39	.16

DATE	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)	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)
SEP 22...	3	0	3	10	0	10	<10	<10	0	10	10	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
SEP 22...	0	<10	<7	3	610	<100	<99	1	380	130	250	.0

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

DREDGING OPERATIONS STUDY--Continued

293858091015800 BAYOU BLACK 3.7 MILES SOUTHWEST OF GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
SEP 22...	.0	.0	<50	<50	0	0	0	0	20	10	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
SEP 22...	20	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
SEP 22...	.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)
SEP 22...	.00	.00	.00	.00	.00	0.0	.00	.31	.43	.00

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

DREDGING OPERATIONS STUDY--Continued

293849091020200 BAYOU BLACK 2.1 MILE ABOVE INTRACOASTAL WATERWAY (AT MILE 83.7 WHL), NEAR GIBSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC 02...	0815	192	7.6	130	55	87	62	2	17	4.8

DATE	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)
DEC 02...	12	28	.7	2.9	74	0	61	7.7	21

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
DEC 02...	92	15	<1.0	.06	.04	.10	.80	.76	.98

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 02...	1.4	1.0	2.2	.40	1.8	2.3	10	.20	.03

DATE	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)	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)
DEC 02...	3	1	2	0	0	0	0	0	0	0	0	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
DEC 02...	0	11	7	4	260	11	9	2	120	0	120	.0

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

DREDGING OPERATIONS STUDY--Continued

293849091020200 BAYOU BLACK 2.1 MILE ABOVE INTRACOASTAL WATERWAY (AT MILE 83.7 WHL), NEAR GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	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)
DEC 02...	.0	.0	10	5	5	0	0	0	.0	30	10	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
DEC 02...	14	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
DEC 02...	.01	.000	.001	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 02...	.00	.00	.00	.00	.00	0.0	.00	.10	.02	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293846091020800 BAYOU BLACK 2.2 MILE ABOVE INTRACOASTAL WATERWAY (AT MILE 83.7 WHL), NEAR GIBSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
DEC 02...	0830	338	7.6	70	70	46	95	3	24	8.5

DATE	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)
DEC 02...	30	40	1.3	3.0	112	0	92	19	42

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
DEC 02...	94	15	<1.0	.04	.02	.06	.26	.19	.24

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
DEC 02...	1.4	.69	1.3	.42	.88	1.4	6.0	28	.12

DATE	ARSENIC DISSOLVED (UG/L AS AS)	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)	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)
DEC 02...	1	0	0	0	0	0	0	0	0	0	0

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)
DEC 02...	13	7	6	290	4	4	0	160	0	160	.0

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

DREDGING OPERATIONS STUDY--Continued

293846091020800 BAYOU BLACK 2.2 MILE ABOVE INTRACOASTAL WATERWAY (AT MILE 83.7 WHL), NEAR GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
DEC 02...	15	12	3	2	2	0	.2	40	20	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
DEC 02...	24	.00	2	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
DEC 02...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 02...	.00	.00	.00	.00	.00	0.0	.00	.02	.01	.00

DREDGING OPERATIONS STUDY--Continued

293815091030400 BAYOU BLACK WEST OF GULF AND INTRACOASTAL WATERWAY (AT MILE 83.5 WHL), NEAR AMELIA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JAN 26...	0845	137	7.1	70	65	32	44	7	13	2.8

DATE	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)
JAN 26...	8.5	28	.6	2.3	45	0	37	11	11

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
JAN 26...	140	24	<1.0	.05	.02	.07	.09	.09	.12

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
JAN 26...	.49	.27	.52	.16	.36	.59	2.6	.17	.06

DATE	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)	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)
JAN 26...	1	0	1	0	0	0	0	0	0	10	10	0

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

DREDGING OPERATIONS STUDY--Continued

293815091030400 BAYOU BLACK WEST OF GULF AND INTRACOASTAL WATERWAY (AT MILE 83.5 WHL), NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
JAN 26...	0	28	26	2	70	13	12	1	100	70	30	.0

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
JAN 26...	.0	.0	10	10	0	1	1	0	1.0	150	140	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
JAN 26...	10	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
JAN 26...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 26...	.00	.00	.00	.00	.00	0.0	.00	.06	.02	.00

DREDGING OPERATIONS STUDY--Continued

293738091031600 BAYOU BLACK 0.6 MILE NORTH OF INTRACOASTAL WATERWAY (AT MILE 83.3 WHL), NEAR AMELIA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
APR 19...	0830	321	7.4	20	65	34	120	35	33	10

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
APR 19...	15	20	.6	4.5	108	0	89	35	21	80

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
APR 19...	80	7	<1.0	1.4	.02	1.4	.06	.01	.00

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
APR 19...	.79	.79	.85	.05	.80	2.2	9.8	.17	.04

DATE	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)	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)
APR 19...	2	1	1	0	0	0	0	0	0	10	0	10

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

DREDGING OPERATIONS STUDY--Continued

293738091031600 BAYOU BLACK 0.6 MILE NORTH OF INTRACOASTAL WATERWAY (AT MILE 83.3 WHL), NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
APR 19...	0	4	0	4	30	7	7	0	70	70	0	.0

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
APR 19...	.0	.0	4	4	0	0	0	0	.0	100	80	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
APR 19...	9.6	.00	2	0	.0	.00	.000	.0	.000	.000	.003

DATE	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)
APR 19...	.00	.002	.000	.000	.00	.000	.001	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR 19...	.00	.00	.00	.00	.00	0.0	.00	.05	.01	.00

DREDGING OPERATIONS STUDY--Continued

293736091031600 BAYOU BLACK 0.5 MILE NORTH OF INTRACOASTAL WATERWAY (AT MILE 83.3 WHL), NEAR AMELIA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
APR 19...	0840	317	7.7	30	85	32	120	35	32	9.8

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
APR 19...	14	20	.6	3.4	104	0	85	35	20	131

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
APR 19...	131	14	<1.0	1.3	.03	1.3	.10	1.0	1.0

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
APR 19...	.81	.81	.91	.00	.82	2.2	9.4	.15	.02

DATE	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)	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)
APR 19...	2	1	1	0	0	0	0	0	0	0	0	0

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

DREDGING OPERATIONS STUDY--Continued

293736091031600 BAYOU BLACK 0.5 MILE NORTH OF INTRACOASTAL WATERWAY (AT MILE 83.3 WHL), NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
APR 19...	0	5	1	4	20	6	6	0	110	110	0	.0

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
APR 19...	.0	.0	4	4	0	0	0	0	.0	40	30	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
APR 19...	6.7	.00	2	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
APR 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR 19...	.00	.00	.00	.00	.00	0.0	.00	.00	.00	.00

DREDGING OPERATIONS STUDY--Continued

293732091041100 BAYOU BLACK (AT MILE 21.0), 3.2 MILES SOUTHEAST OF AMELIA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	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)
MAR 09...	0855	671	7.8	150	60	99	0	20	12	97

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
MAR 09...	66	4.2	6.3	196	0	161	16	99	26

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
MAR 09...	26	22	<1.0	.07	.08	.15	1.9	1.6	2.1

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
MAR 09...	3.0	2.4	4.9	.90	4.0	5.1	22	.19	.09

DATE	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)	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)
MAR 09...	1	0	1	0	0	0	2	0	2	10	10	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
MAR 09...	0	23	19	4	20	6	1	5	390	70	320	.6

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

DREDGING OPERATIONS STUDY--Continued

293732091041100 BAYOU BLACK (AT MILE 21.0), 3.2 MILES SOUTHEAST OF AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
MAR 09...	.6	.0	3	3	0	1	1	0	20	10	10

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE, TOTAL IN BOTTOM MATERIAL (MG/KG)	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)
MAR 09...	.00	2	0	.0	.0	.00	.00	.0	.00	.00

DATE	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN 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)
MAR 09...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, 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)
MAR 09...	.00	.00	.00	.00	0	.00	.07	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293730091040200 BAYOU BLACK (AT MILE 21.0), 3.3 MILES SOUTHEAST OF AMELIA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	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
MAR 09...	0830	283	8.0	75	30	97	15	25	8.3	18	28

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
MAR 09...	.8	3.4	100	0	82	15	27	34	34	11

DATE	SETTLEABLE MATTER (ML/L/HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
MAR 09...	<1.0	.19	.01	.20	.23	.30	.74	.97	.12	.10

DATE	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)	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)
MAR 09...	1	0	1	0	0	0	3	1	2	20	10	10

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
MAR 09...	0	9	2	7	30	4	4	0	50	0	50	.0

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

DREDGING OPERATIONS STUDY--Continued

293730091040200 BAYOU BLACK (AT MILE 21.0), 3.3 MILES SOUTHEAST OF AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
MAR 09...	.0	.0	1	1	0	0	0	0	.0	20	10	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
MAR 09...	7.6	.00	2	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
MAR 09...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR 09...	.00	.00	.00	.00	.00	0.0	.00	.09	.00	.01

DREDGING OPERATIONS STUDY--Continued

293415090423000 BAYOU LACARPE AT HOUMA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUL											
25...	0630	353	7.2	30	40	30	82000	110	25	29	8.8
25...	1030	349	7.3	30	40	51	100000	110	31	29	9.0

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)
JUL											
25...	29	36	1.2	2.8	102	0	84	29	39	35	35
25...	25	33	1.0	2.8	96	0	79	27	37	45	45

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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 DISSOLVED (MG/L AS NH4)
JUL										
25...	95800	31	<1.0	.60	.01	.61	.01	.01	.0	.01
25...	116000	41	<1.0	.62	.01	.63	.04	.01	.0	.01

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + 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, DISSOLVED (MG/L AS P)
JUL										
25...	1.1	.53	1.1	.56	.54	80	1.7	7.6	.16	.04
25...	1.1	.68	1.1	.41	.69	120	1.7	7.7	.19	.04

DATE	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)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)
JUL												
25...	3	0	3	19	1	0	1	10	1	0	1	10
25...	4	2	2	17	1	0	1	10	1	0	1	10

DATE	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)	COPPER, SUSPENDED RECOV. (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)
JUL												
25...	10	0	50	0	18	15	3	290	20	24	24	0
25...	0	10	120	0	10	8	2	380	20	18	18	0

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

DREDGING OPERATIONS STUDY--Continued

293415090423000 BAYOU LACARPE AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	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/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)
JUL											
25...	1300	100	100	3	590	.1	.1	.0	.2	11	10
25...	1400	180	170	10	620	.1	.1	.0	.1	7	7

DATE	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)	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)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
JUL											
25...	1	100	0	0	0	0	.0	200	170	30	540
25...	0	100	0	0	0	0	.0	40	40	5	560

DATE	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 (MG/L)	OIL AND GREASE, TOTAL IN BOTTOM MATERIAL (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL											
25...	12	.00	0	1	0	.0	.0	99	.00	.000	.0
25...	12	.00	0	1	0	--	.0	100	.00	.000	.0

DATE	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
JUL											
25...	.0	9	.000	1.5	.000	.0	.000	.0	.01	.4	.001
25...	.0	25	.000	.0	.000	.0	.000	.0	.00	.0	.000

DATE	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (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, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
JUL											
25...	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000
25...	.9	.000	.000	.0	.00	.0	.000	1.7	.000	.0	.000

DREDGING OPERATIONS STUDY--Continued

293415090423000 BAYOU LACARPE AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL											
25...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.0
25...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.0

DATE	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	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)
JUL										
25...	--	0.0	0	.00	.0	.07	.00	.06	21.7	.000
25...	.00	0.0	0	.00	.0	.06	.00	.06	27.7	.000

DREDGING OPERATIONS STUDY--Continued

292928090414200 BAYOU GRAND CAILLOU 5.3 MILES NORTH NORTHEAST OF BOUDREAUX, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUL											
25...	0700	396	7.4	40	40	47	88000	110	24	29	9.8
25...	1100	397	7.1	30	40	48	83000	110	25	29	9.5

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)
JUL											
25...	36	40	1.5	2.7	108	0	89	23	51	48	48
25...	35	40	1.4	2.7	105	0	86	23	52	--	45

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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 DISSOLVED (MG/L AS NH4)
JUL										
25...	125000	43	<1.0	.24	.01	.25	.01	.01	.0	.01
25...	133000	35	<1.0	.22	.04	.26	.03	.00	.0	.00

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + 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, DISSOLVED (MG/L AS P)
JUL										
25...	1.1	.65	1.1	.44	.66	120	1.4	6.0	.18	.05
25...	1.2	.69	1.2	.51	.69	M120	1.5	6.5	.16	.16

DATE	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)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)
JUL												
25...	4	2	2	13	1	0	1	10	1	0	1	10
25...	3	1	2	12	1	0	1	10	1	0	1	10

DATE	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)	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)
JUL												
25...	10	0	10	0	15	12	3	160	10	23	23	0
25...	0	10	10	0	5	1	4	200	20	6	3	3

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292928090414200 BAYOU GRAND CAILLOU 5.3 MILES NORTH NORTHEAST OF BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	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/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)
JUL											
25...	100	240	160	80	670	.1	.1	.0	.1	9	6
25...	150	190	120	70	750	.1	.1	.0	.1	4	1

DATE	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)	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)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
JUL											
25...	3	140	0	0	0	0	.0	50	40	8	110
25...	3	120	0	0	0	0	.0	30	20	10	100

DATE	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 (MG/L)	OIL AND GREASE, TOTAL IN BOTTOM MATERIAL (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL											
25...	11	.00	0	2	0	.0	.0	5	.00	.000	.0
25...	10	.00	0	2	0	.0	.0	6	.00	.000	.0

DATE	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
JUL											
25...	.0	9	.000	1.3	.000	.0	.000	.0	.00	.6	.000
25...	.0	10	.000	1.8	.000	.4	.000	.0	.00	.9	.002

DATE	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (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, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
JUL											
25...	.0	.000	.000	.3	.00	.0	.000	.0	.000	.0	.000
25...	.0	--	.000	.0	.00	.0	.000	.0	.000	.0	.000

DREDGING OPERATIONS STUDY--Continued

292928090414200 BAYOU GRAND CAILLOU 5.3 MILES NORTH NORTHEAST OF BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL											
25...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.5
25...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	1.1

DATE	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL THITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	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)
JUL										
25...	.00	0.0	0	.00	.0	.16	.02	.05	17.0	.000
25...	.00	0.0	0	.00	.0	.00	.01	.05	--	--

DREDGING OPERATIONS STUDY--Continued

292720090421400 BAYOU GRAND CAILLOU 2.3 MILES NORTH OF BOUDREAUX, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUL											
25...	0800	422	7.3	40	35	38	110000	120	29	30	10
25...	1200	422	7.5	40	35	45	97000	110	27	29	10

DATE	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)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)
JUL										
25...	36	40	1.5	3.0	106	0	87	27	58	51
25...	37	41	1.5	2.9	106	0	87	27	58	38

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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 DISSOLVED (MG/L AS NH4)
JUL										
25...	131000	43	<1.0	.60	.05	.65	.04	.01	.0	.01
25...	131000	38	<1.0	.54	.05	.59	.03	.00	.0	.00

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + 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, DISSOLVED (MG/L AS P)
JUL										
25...	.94	.68	.98	.29	.69	94	1.6	7.2	.16	.05
25...	1.1	.68	1.1	.42	.68	120	1.7	7.5	.16	.05

DATE	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)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)
JUL												
25...	4	2	2	10	1	0	1	10	1	0	1	10
25...	4	2	2	10	1	0	1	0	1	0	1	10

DATE	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)	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)
JUL												
25...	10	0	9	0	8	5	3	200	20	8	5	3
25...	10	0	10	0	6	3	3	200	10	7	4	3

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

DREDGING OPERATIONS STUDY--Continued

292720090421400 BAYOU GRAND CAILLOU 2.3 MILES NORTH OF BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	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/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)
JUL											
25...	100	110	80	30	680	.1	.1	.0	.1	6	3
25...	100	130	120	9	700	.0	.0	.0	.1	7	4

DATE	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)	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)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
JUL											
25...	3	100	0	0	0	0	.0	40	10	30	90
25...	3	100	0	0	0	0	.0	20	10	6	80

DATE	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 (MG/L)	OIL AND GREASE, TOTAL IN BOTTOM MATERIAL (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL											
25...	11	.00	0	4	0	.0	.0	12	.00	.000	.0
25...	9.2	.00	0	3	0	.0	.0	3	.00	.000	.0

DATE	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
JUL											
25...	.0	11	.000	2.1	.000	.0	.000	.0	.01	.5	.000
25...	.0	3	.000	1.4	.000	.0	.000	.0	.00	.0	.001

DATE	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (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, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JUL										
25...	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0
25...	.1	.001	.000	.0	.00	.0	.000	.0	.000	.0

DREDGING OPERATIONS STUDY--Continued

292720090421400 BAYOU GRAND CAILLOU 2.3 MILES NORTH OF BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
JUL										
25...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00
25...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00

DATE	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL										
25...	.00	.4	.00	0.0	0	.00	.0	.87	.01	.05
25...	.00	.0	.00	0.0	0	.00	.0	1.4	.00	.06

DREDGING OPERATIONS STUDY--Continued

292522090415800 BAYOU GRAND CAILLOU 0.6 MILE NORTH OF BOUDREAUX, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUL											
25...	0830	418	7.3	40	40	49	120000	110	22	28	9.6
25...	1230	414	7.3	30	30	55	110000	110	25	29	9.7

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)
JUL											
25...	36	41	1.5	2.9	107	0	88	23	58	41	41
25...	37	41	1.5	2.9	107	0	88	23	57	46	46

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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 DISSOLVED (MG/L AS NH4)
JUL										
25...	135000	41	<1.0	.35	.05	.40	.03	.02	.0	.03
25...	131000	43	<1.0	.31	.05	.36	.03	.01	.0	.01

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + 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, DISSOLVED (MG/L AS P)
JUL										
25...	1.6	.72	1.6	.86	.74	160	2.0	8.9	.17	.05
25...	.96	.84	.99	.14	.85	170	1.3	6.0	.16	.06

DATE	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)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)
JUL												
25...	3	1	2	12	1	0	1	0	1	0	1	10
25...	4	2	2	11	1	0	1	10	1	0	1	10

DATE	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)	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)
JUL												
25...	0	10	10	0	9	6	3	410	20	9	8	1
25...	10	0	7	0	6	3	3	230	20	7	5	2

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292522090415800 BAYOU GRAND CAILLOU 0.6 MILE NORTH OF BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	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/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)
JUL											
25...	150	150	140	6	340	1.0	.0	.0	.1	5	2
25...	150	140	140	4	320	.0	.0	.0	.1	5	3

DATE	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)	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)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
JUL											
25...	3	140	0	0	0	0	.0	40	20	20	90
25...	2	120	0	0	0	0	.0	20	20	5	80

DATE	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 (MG/L)	OIL AND GREASE, TOTAL IN BOTTOM MATERIAL (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL											
25...	13	.00	0	3	0	.0	.0	130	.00	.00	.0
25...	9.9	.00	0	3	0	.0	.0	150	.00	.00	.0

DATE	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)
JUL											
25...	.0	11	.00	8.7	.00	.0	.00	.0	.40	.0	.00
25...	.0	14	.00	7.6	.00	.0	.00	.0	.00	.0	.00

DATE	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (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, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)
JUL											
25...	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00
25...	.1	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00

DREDGING OPERATIONS STUDY--Continued

292522090415800 BAYOU GRAND CAILLOU 0.6 MILE NORTH OF BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL											
25...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.5
25...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.0

DATE	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	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)
JUL										
25...	.00	0	0	.00	.0	23	.05	.00	21.9	.000
25...	.00	0	0	.00	.0	22	.06	.00	21.5	.000

DREDGING OPERATIONS STUDY--Continued

292247090425600 BAYOU GRAND CAILLOU 0.8 MILE SOUTH OF DULAC, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUL											
25...	0900	744	7.2	30	25	53	98000	150	61	34	16
25...	1300	751	7.3	30	30	30	110000	160	66	34	17

DATE	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)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)
JUL										
25...	82	53	2.9	4.8	110	0	90	48	140	15
25...	88	54	3.1	4.8	109	0	89	47	140	>0

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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 DISSOLVED (MG/L AS NH4)
JUL										
25...	117000	15	<1.0	.38	.04	.42	--	.51	.0	.66
25...	131000	20	<1.0	.37	.01	.38	.43	.43	5.1	.55

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + 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, DISSOLVED (MG/L AS P)
JUL										
25...	--	1.6	--	--	2.1	46	--	--	.18	.06
25...	1.3	.77	1.7	.50	1.2	120	2.1	9.2	.21	.06

DATE	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)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)
JUL												
25...	3	0	3	11	1	0	1	0	1	0	1	10
25...	4	0	4	11	1	0	1	0	1	0	1	0

DATE	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)	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)
JUL											
25...	10	0	8	0	9	7	2	320	0	9	9
25...	0	0	11	0	12	8	4	260	40	13	13

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

DREDGING OPERATIONS STUDY--Continued

292247090425600 BAYOU GRAND CAILLOU 0.8 MILE SOUTH OF DULAC, LA -Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)
JUL											
25...	0	150	260	160	100	300	.0	.0	.0	.1	6
25...	0	310	260	140	120	320	.0	.0	.0	.1	9

DATE	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
JUL											
25...	4	2	120	0	0	0	0	40	30	10	90
25...	6	3	100	0	0	0	0	100	90	10	100

DATE	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 (MG/L)	OIL AND GREASE, TOTAL IN BOT-TOM MA-TERIAL (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUL											
25...	8.9	.00	0	1	0	.0	.0	51	.00	.00	.0
25...	9.6	.00	0	1	0	.0	.0	26	.00	.00	.0

DATE	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)
JUL											
25...	.0	5	.00	4.2	.00	.0	.00	.0	.01	.0	.00
25...	.0	6	.00	3.8	.00	.0	.00	.0	.01	.0	.00

DATE	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
JUL										
25...	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
25...	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DREDGING OPERATIONS STUDY--Continued

292247090425600 BAYOU GRAND CAILLOU 0.8 MILE SOUTH OF DULAC, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTMBER 1978

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)
JUL										
25...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
25...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00

DATE	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL										
25...	.00	.0	.00	0	0	.00	.0	.13	.00	.05
25...	.00	.0	.00	0	0	.00	.0	.08	.01	.06

DREDGING OPERATIONS STUDY--Continued

292221089181300 BAPTISTE COLLETTE BAYOU AT MILE 7.4, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	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)
JAN 10...	1240	500	7.8	15	80	47	150	53	40	13	36

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
JAN 10...	33	1.3	3.9	118	0	97	49	58	267	267	45

DATE	SETTLEABLE MATTER (ML/L/HR)	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, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
JAN 10...	<1.0	1.9	.05	1.9	.20	1.0	1.2	3.1	14	.34	.08

DATE	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)	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)
JAN 10...	3	2	1	0	0	0	2	0	2	20	20	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
JAN 10...	0	16	8	8	50	16	16	0	460	400	60	.0

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
JAN 10...	.0	.0	24	19	5	1	1	0	.5	60	50	10

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

DREDGING OPERATIONS STUDY--Continued

292221089181300 BAPTISTE COLLETTE BAYOU AT MILE 7.4, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
JAN 10...	6.5	.00	0	0	.0	.00	.000	.0	.000	.000	.003

DATE	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)
JAN 10...	.01	.003	.000	.003	.00	.000	.002	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 10...	.09	.00	.00	.00	.00	0.0	.00	.06	.01	.01

DREDGING OPERATIONS STUDY--Continued

292219089181300 BAPTISTE COLLETTE BAYOU AT MILE 7.3, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	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)
JAN 10...	1225	452	7.9	15	65	48	160	59	41	13	28

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
JAN 10...	28	1.0	3.6	118	0	97	50	45	129	129	39

DATE	SETTLEABLE MATTER (ML/L/HR)	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, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
JAN 10...	<1.0	1.9	.02	1.9	.12	.79	.91	2.8	12	.30	.14

DATE	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)	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)
JAN 10...	2	1	1	0	0	0	1	0	1	20	0	20

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
JAN 10...	0	14	11	3	40	9	9	0	220	210	10	.0

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
JAN 10...	.0	.0	19	16	3	1	1	0	.1	40	30	10

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

DREDGING OPERATIONS STUDY--Continued

292219089181300 BAPTISTE COLLETTE BAYOU AT MILE 7.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
JAN 10...	5.8	.00	1	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
JAN 10...	.01	.002	.000	.001	.00	.000	.001	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 10...	.09	.00	.00	.00	.00	0.0	.00	.03	.02	.00

DREDGING OPERATIONS STUDY--Continued

292148089180900 BAPTISTE COLLETTE BAYOU 6.9 MILES NORTHEAST OF VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
NOV 29...	1210	397	7.5	20	80	23	150	30	40	11

DATE	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 29...	23	25	.8	3.7	140	0	110	49	28

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
NOV 29...	127	17	<1.0	1.4	.01	1.4	.08	.01	.01

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV 29...	1.0	.20	1.1	.89	.21	2.5	11	.38	.12

DATE	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)	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)
NOV 29...	3	1	2	0	0	0	0	0	0	0	0	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
NOV 29...	0	12	8	4	70	10	10	0	160	150	8	.2

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 29...	.0	.2	19	16	3	1	1	0	.1	60	50	10

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292148089180900 BAPTISTE COLLETTE BAYOU 6.9 MILES NORTHEAST OF VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
NOV 29...	6.2	.00	4	0	.0	.00	.001	.0	.000	.000	.000

DATE	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)
NOV 29...	.03	.003	.000	.001	.00	.000	.002	.009	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 29...	.00	.00	.00	.00	.00	0.0	.00	.01	.01	.01

DREDGING OPERATIONS STUDY--Continued

292142089180700 BAPTISTE COLLETTE BAYOU 6.8 MILES NORTHEAST OF VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
NOV 29...	0955	394	7.7	25	70	44	140	40	39	11

DATE	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 29...	23	25	.8	3.8	122	0	100	7.6	27

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
NOV 29...	279	26	<1.0	1.4	.01	1.4	.07	.01	.01

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV 29...	.54	.29	.61	.31	.30	2.0	8.9	.34	.13

DATE	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)	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)
NOV 29...	3	1	2	0	0	0	0	0	0	0	0	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
NOV 29...	0	10	5	5	60	8	8	0	150	150	4	.1

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

DREDGING OPERATIONS STUDY--Continued

292142089180700 BAPTISTE COLLETTE BAYOU 6.8 MILES NORTHEAST OF VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 29...	.1	.0	16	12	4	1	1	0	.7	20	10	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
NOV 29...	6.4	.00	2	0	.0	.00	.000	.0	.000	.000	.002

DATE	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)
NOV 29...	.03	.004	.000	.000	.00	.000	.002	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 29...	.00	.00	.00	.00	.00	0.0	.00	.01	.02	.01

DREDGING OPERATIONS STUDY--Continued

292116089180600 BAPTISTE COLLETTE BAYOU AT MILE 5.8, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	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)
FEB 17...	1400	284	7.4	30	80	16	100	37	28	7.9	14

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)
FEB 17...	22	.0	2.1	80	0	66	36	19	162	128	34

DATE	SETTLEABLE MATTER (ML/L/HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
FEB 17...	<1.0	1.1	.03	1.1	.49	.63	.35	.84	.25	.07

DATE	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)	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)
FEB 17...	3	2	1	0	0	0	1	0	1	10	10	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
FEB 17...	0	12	10	2	30	8	8	0	190	170	20	.0

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

DREDGING OPERATIONS STUDY--Continued

292116089180600 BAPTISTE COLLETTE BAYOU AT MILE 5.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
FEB 17...	.0	.0	8	7	1	1	1	0	.0	40	30	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
FEB 17...	4.9	.00	3	0	.0	.00	.000	.0	.000	.000	.006

DATE	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)
FEB 17...	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB 17...	.00	.00	.00	.00	.00	0.0	.00	.05	.01	.00

DREDGING OPERATIONS STUDY--Continued

292114089180600 BAPTISTE COLLETTE BAYOU AT MILE 5.6, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	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)
FEB 17...	1325	278	7.5	15	110	41	31	7.8	12	19	.5	2.1

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
FEB 17...	84	0	69	38	17	112	82	17	1.1	.02	1.1	.26

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	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)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
FEB 17...	.26	.33	.61	.57	.87	.04	.83	2.0	8.7	.22	.08

DATE	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)	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)
FEB 17...	2	1	1	0	0	0	1	0	1	20	20	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
FEB 17...	0	15	14	1	30	6	5	1	130	110	20	.0

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

DREDGING OPERATIONS STUDY--Continued

292114089180600 BAPTISTE COLLETTE BAYOU AT MILE 5.6, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
FEB 17...	.0	.0	9	8	1	0	0	0	1.0	30	30	0

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)
FEB 17...	4.3	.00	1	0	.0	.00	.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)
FEB 17...	.000	.01	.000	.000	.000	.00	.000	.000	.000

DATE	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)	TOTAL TRITHION (UG/L)
FEB 17...	.00	.00	.00	.00	.00	.00	.00	0.0	.00

DREDGING OPERATIONS STUDY--Continued

291943089184300 BAPTISTE COLLETTE BAYOU AT MILE 3.8, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
MAR 23...	1140	372	7.8	15	70	19	130	43	35	9.5

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
MAR 23...	24	29	.9	2.4	106	0	87	43	30	164

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
MAR 23...	164	26	<1.0	.97	.03	1.0	.20	.20	.26

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
MAR 23...	.56	.48	.76	.08	.68	1.8	7.8	.25	.08

DATE	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)	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)
MAR 23...	2	0	2	0	0	0	1	1	0	20	20	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
MAR 23...	0	8	2	6	70	4	4	0	180	170	10	.0

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

DREDGING OPERATIONS STUDY--Continued

291943089184300 BAPTISTE COLLETTE BAYOU AT MILE 3.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
MAR 23...	.0	.0	8	4	4	1	0	1	1.0	30	20	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
MAR 23...	5.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
MAR 23...	.01	.004	.000	.000	.00	.000	.000	.004	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR 23...	.00	.00	.00	.00	.00	0.0	.00	.10	.04	.00

DREDGING OPERATIONS STUDY--Continued

291937089184600 BAPTISTE COLLETTE BAYOU AT MILE 3.6, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
MAR 23...	1155	378	7.6	15	70	21	130	45	34	9.8

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
MAR 23...	23	28	.9	2.2	104	0	85	44	29	140

DATE	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	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, AMMONIA DISSOLVED (MG/L AS NH4)
MAR 23...	140	24	<1.0	1.2	.04	1.2	.18	.05	.06

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
MAR 23...	1.0	.83	1.2	.32	.88	2.4	11	.25	.06

DATE	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)	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)
MAR 23...	3	2	1	0	0	0	1	1	0	10	10	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
MAR 23...	0	8	4	4	30	5	5	0	180	170	10	.0

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

DREDGING OPERATIONS STUDY--Continued

291937089184600 BAPTISTE COLLETTE BAYOU AT MILE 3.6, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
MAR 23...	.0	.0	8	8	0	1	0	1	1.0	30	30	0

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (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)	DDT, TOTAL (UG/L)
MAR 23...	5.2	.00	1	0	.0	.00	.000	.0	.000	.000	.000

DATE	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)
MAR 23...	.01	.004	.000	.000	.00	.000	.000	.004	.00	.00

DATE	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)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR 23...	.00	.00	.00	.00	.00	0.0	.00	.11	.04	.00

DREDGING OPERATIONS STUDY--Continued

291113089214800 TIGER PASS AT MILE 6.4, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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
MAY 12...	1200	382	7.8	10	130	160	50	42	13	16	18	.0

DATE	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)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
MAY 12...	3.7	132	0	108	48	25	244	202	<1.0	2.0	.01	2.0

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	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)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
MAY 12...	.10	.10	.21	.90	.70	1.0	.20	.80	3.0	13	.28	.10

DATE	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)	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)
MAY 12...	3	1	2	0	0	0	0	0	0	15	15	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
MAY 12...	0	13	9	4	30	7	7	0	250	220	30	.0

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

DREDGING OPERATIONS STUDY--Continued

291113089214800 TIGER PASS AT MILE 6.4, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
MAY 12...	.0	.0	12	12	0	0	0	1.0	30	10	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
MAY 12...	8.0	.00	4	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
MAY 12...	.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)
MAY 12...	.00	.00	.00	.00	.00	0.0	.00	.03	.01	.00

DREDGING OPERATIONS STUDY--Continued

291110089214800 TIGER PASS AT MILE 6.5, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	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
MAY 12...	1225	381	7.5	15	90	150	54	40	13	16	18	.6

DATE	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)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, SUSP. TOTAL, RESIDUE AT 110 DEG. C (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	SETTLEABLE MATTER (ML/L/HR)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
MAY 12...	3.5	121	0	99	48	2.4	32	142	32	<1.0	.67	.62

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	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)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
MAY 12...	2.0	.05	.05	.13	.76	.62	.82	.15	2.8	12	.21	.07

DATE	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)	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)
MAY 12...	3	2	1	0	0	0	0	0	0	15	15	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	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)
MAY 12...	0	20	17	3	40	9	9	0	18	18	0	.0

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

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291110089214800 TIGER PASS AT MILE 6.5, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	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)
MAY 12...	.0	.0	12	12	0	0	0	0	1.0	30	20	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
MAY 12...	6.1	2	0	.0	.00	.000	.0	.000	.000	.000

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)
MAY 12...	.00	.004	.000	.000	.00	.000	.001	.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)
MAY 12...	.00	.00	.00	.00	.00	0.0	.00	.02	.01	.00

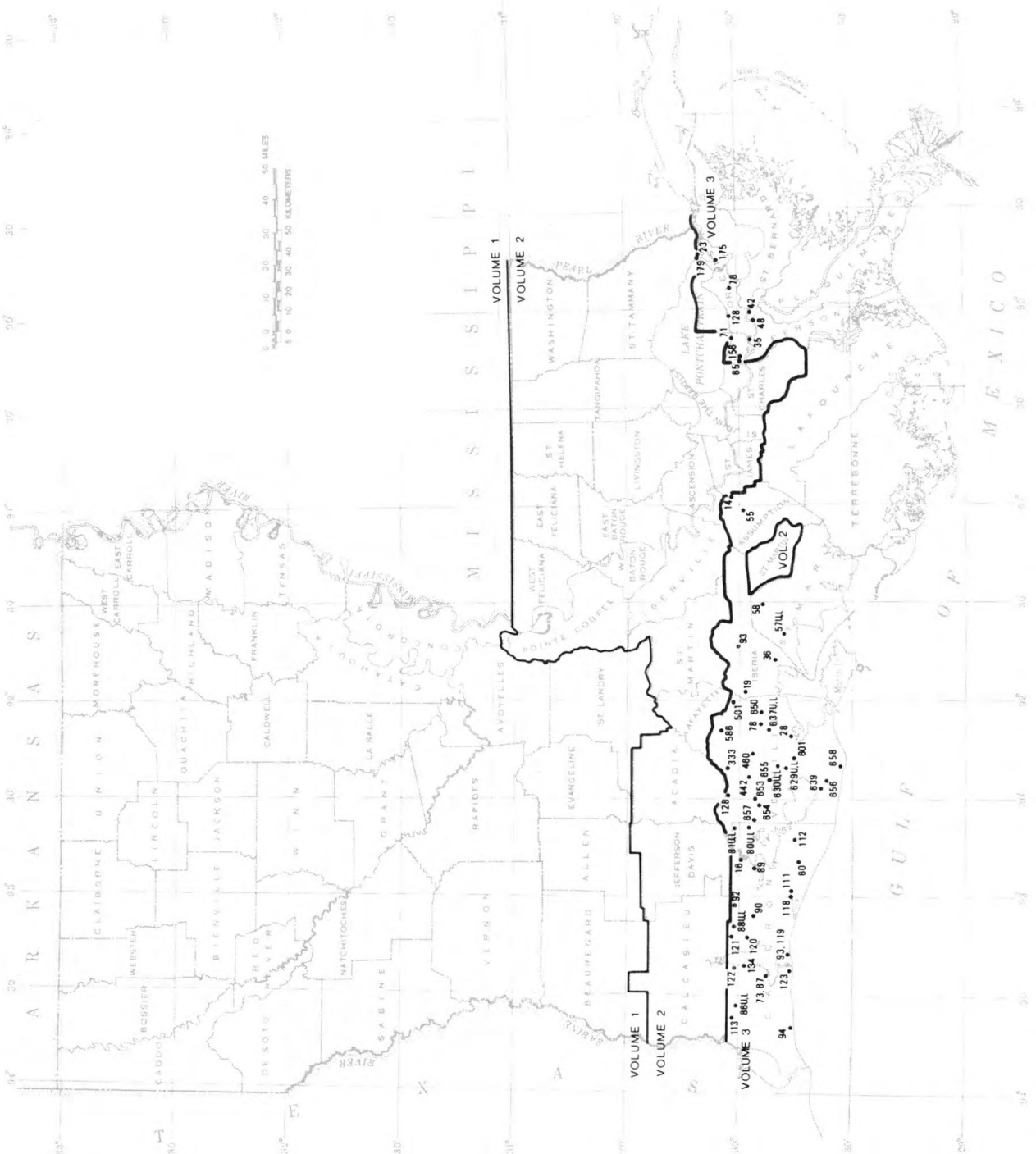

Figure 5. — Location of observation wells.

ASSUMPTION PARISH

300208090573401 LOCAL WELL NUMBER: AS-14

OWNER: SHELL OIL CO. (SEC. 42, T. 12S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 159 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE 4-IN COUPLING ON DISCHARGE PIPE, 1.7 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 5.50 ABOVE LSD, APR. 3, 1975,
LOWEST WATER LEVEL 4.75 BELOW LSD, JAN. 9, 1970.
RECORDS AVAILABLE 1958-64, 1966, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	3.14	APR. 25, 1978 +	2.60				

295918091030101 LOCAL WELL NUMBER: AS-55

OWNER: MEDERIC LEBLANC. (SEC. 31, T. 12S., R. 14E.) DRILLED UNUSED ARTESIAN WELL IN MISS. 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 17.35 BELOW LSD, JAN. 7, 1970, NOV. 20, 1972.
RECORDS AVAILABLE 1960-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1977	16.95	APR. 17, 1978	13.92				

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 HOLE IN END OF PULLEY, 2.41 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. 28, 1977	30.97	MAR. 29, 1978	31.92	JUNE 20, 1978	33.83	AUG. 17, 1978	34.86
DEC. 9	29.56	APR. 25	32.46	JULY 20	35.37	SEP. 26	33.45
FEB. 28, 1978	31.79						

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
FEB. 28, 1978	10.54						

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
FEB. 15, 1978	38.84						

See footnotes at end of table.

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
FEB. 28, 1978	25.18	JUNE 20	30.80				

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
FEB. 28, 1978	25.38	JUNE 20	30.88				

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
FEB. 28, 1978	25.18						

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
FEB. 28, 1978	27.22						

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. 14, 1978	49.62						

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. 14, 1978	49.74						

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, 1.0 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
JAN. 16, 1978	46.13	APR. 14, 1978	44.22	MAY 26, 1978	45.93	AUG. 14, 1978	48.74
FEB. 15	45.88	MAY 1	44.96	JULY 21	48.17	SEP. 28	49.63

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. 28, 1977	60.30	FEB. 16, 1978	55.84	JUNE 16, 1978	63.49	AUG. 17, 1978	63.99
DEC. 9	59.45	APR. 14	55.07	JULY 21	66.62	SEP. 28	61.48

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. 28, 1977	60.94	FEB. 16, 1978	56.18	JUNE 16, 1978	63.79	AUG. 17, 1978	63.59
DEC. 9	60.29	APR. 14	55.44	JULY 21	66.95	SEP. 28	61.82

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, 1.0 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. 19, 1977	24.40	MAR. 13, 1978	27.90	SEP. 21, 1978	29.00		

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
FEB. 15, 1978	28.34						

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, 2.0 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
FEB. 16, 1978	34.89						

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, 3.0 FT ABOVE LSD.
LSD 3.76 FT NGVD.
HIGHEST WATER LEVEL 9.64 BELOW LSD, DEC. 15, 1965,
LOWEST WATER LEVEL 23.64 BELOW LSD, FEB. 15, 1978.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 15, 1978	23.64						

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 41.38 BELOW LSD, MAR. 2, 1976.
RECORDS AVAILABLE 1965-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	41.02						

294551092573701 LOCAL WELL NUMBER: CN-111

OWNER: CONTINENTAL OIL CO. (SEC. 39, 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
FEB. 28, 1978	27.63						

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
FEB. 28, 1978	14.70						

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, DEPTH AND SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.4 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 46.22 BELOW LSD, MAR. 3, 1976,
LOWEST WATER LEVEL 49.92 BELOW LSD, FEB. 28, 1978.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	49.92						

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
FEB. 28, 1978	21.17						

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 5.00 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. 15, 1978	30.20						

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 5.00 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
FEB. 28, 1978	44.72	JUNE 16	51.02				

CAMERON PARISH

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, 2.5 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
FEB. 28, 1978	55.10	JUNE 16	61.00				

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, 3.4 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. 1, 1978	59.94						

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, 2.3 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 19.99 BELOW LSD, JUNE 18, 1975,
LOWEST WATER LEVEL 21.60 BELOW LSD, FEB. 15, 1978.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 15, 1978	21.60						

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, 2.0 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 49.99 BELOW LSD, FEB. 23, 1977,
LOWEST WATER LEVEL 56.68 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1977	53.61	JAN. 16, 1978	52.57	MAY 1, 1978	50.36	AUG. 14, 1978	56.55
DEC. 12	52.49	FEB. 15	51.93	MAY 26	53.00	SEP. 28	56.59
JAN. 6, 1978	52.32	APR. 14	51.12	JULY 21	56.68		

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 477 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. 27, 1978	13.67						

IBERIA PARISH

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, 2.0 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. 27, 1978	4.98						

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, 3.0 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. 31, 1977	19.84	FEB. 17, 1978	17.28	APR. 24, 1978	16.87	JULY 17, 1978	17.77
DEC. 8	19.22	FEB. 22	17.25	MAY 25	17.04	AUG. 14	17.65
JAN. 16, 1978	18.30	MAR. 23	17.30	JUNE 20	17.00	SEP. 19	17.39

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 5.26 BELOW LSD, APR. 22, 1976,
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. 29, 1977	21.68	APR. 24, 1978	15.86				

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 90.00 BELOW LSD, FEB. 9, 1978,
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. 29, 1977	105.65	FEB. 9, 1978	90.00	APR. 24, 1978	90.80	AUG. 2, 1978	94.98

295906090152701 LOCAL WELL NUMBER: JF-65

OWNER: CITY OF NEW ORLEANS AVIATION BOARD. (SEC. 37, T. 12S., R. 9E.) DRILLED INDUSTRIAL ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 698 FT, SCREENED 638-698. MP HOLE IN SAFETY SEAL, 1.0 FT ABOVE LSD.
LSD 1.00 FT NGVD.
HIGHEST WATER LEVEL 28.50 BELOW LSD, DEC. 23, 1958,
LOWEST WATER LEVEL 56.64 BELOW LSD, APR. 6, 1972.
RECORDS AVAILABLE 1958, 1960-61, 1963, 1965-70, 1972, 1974-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1977	47.94	APR. 24, 1978	51.72				

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 66.60 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. 29, 1977	81.60	APR. 24, 1978	77.50				

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 87.18 BELOW LSD, FEB. 9, 1978,
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. 29, 1977	90.37	FEB. 9, 1978	87.18	APR. 24, 1978	88.20	AUG. 2, 1978	91.81

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 16.60 BELOW LSD, NOV. 29, 1977.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1977	16.60	APR. 29, 1978	15.71				

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 2 X 6-IN RECORDER BASE, 1.0 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, 1977	115.63H	JAN. 5, 1978	106.13	APR. 5, 1978	104.21	JUNE 30, 1978	112.40
OCT. 5	115.65	JAN. 10	106.38	APR. 10	104.49	JULY 5	111.60
OCT. 10	114.38	JAN. 15	106.35	APR. 15	105.93	JULY 10	111.89
OCT. 15	115.20	JAN. 20	105.76	APR. 20	105.83	JULY 15	112.28
OCT. 20	114.67	JAN. 25	105.11	APR. 24	106.06H	JULY 20	112.18H
OCT. 25	112.88	JAN. 31	105.32	APR. 25	106.27	JULY 25	112.37
OCT. 31	113.52	FEB. 5	105.21	APR. 30	106.67	JULY 31	112.16
NOV. 5	113.53	FEB. 9	103.70H	MAY 5	106.85	AUG. 5	112.71
NOV. 10	113.10	FEB. 10	104.02	MAY 10	106.68	AUG. 10	112.28
NOV. 15	111.89	FEB. 15	104.36	MAY 15	106.34	AUG. 15	112.01
NOV. 20	111.63	FEB. 20	104.07	MAY 20	107.22	AUG. 20	112.28
NOV. 25	110.00	FEB. 25	104.30	MAY 23	106.79H	AUG. 25	112.54
NOV. 29	109.49H	FEB. 28	104.01	MAY 25	107.22	AUG. 31	112.47
NOV. 30	109.50	MAR. 2	104.51H	MAY 31	107.41	SEP. 5	111.75
DEC. 5	109.41	MAR. 5	104.59	JUNE 5	107.05	SEP. 7	111.80H
DEC. 10	109.56	MAR. 10	104.08	JUNE 10	108.42	SEP. 10	111.73
DEC. 15	108.51	MAR. 15	103.76	JUNE 15	109.75	SEP. 15	111.51
DEC. 20	108.49	MAR. 20	103.97	JUNE 16	110.18H	SEP. 20	111.50
DEC. 25	107.87	MAR. 25	104.26	JUNE 20	110.17	SEP. 25	111.49
DEC. 31	106.04	MAR. 31	104.20	JUNE 25	111.63	SEP. 30	111.84
JAN. 4, 1978	105.95H						

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. 29, 1977	107.15	FEB. 9, 1978	104.28	APR. 29, 1978	104.75	AUG. 2, 1978	110.50

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. 29, 1977	131.14	MAR. 2, 1978	126.95	MAY 23, 1978	131.82	JULY 20, 1978	147.88
JAN. 4, 1978	120.29	APR. 24	129.06	JUNE 16	143.58	SEP. 7	148.26
FEB. 9	117.64						

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 35.95 BELOW LSD, NOV. 29, 1977.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1977	35.95	FEB. 9, 1978	35.40	APR. 24, 1978	34.82	AUG. 2, 1978	35.50

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 72.70 ABOVE LSD, FEB. 9, 1978, AUG. 2, 1978.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1977 +	72.90	FEB. 9, 1978 +	72.70	APR. 24, 1978 +	73.90	AUG. 2, 1978 +	72.70

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. 31, 1977	9.27	FEB. 17, 1978	8.65	APR. 24, 1978	7.95	JULY 17, 1978	8.29
DEC. 8	9.56	FEB. 22	8.79	MAY 25	7.99	AUG. 14	8.28
JAN. 16, 1978	9.25	MAR. 23	8.44	JUNE 20	8.01	SEP. 19	8.00

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. 31, 1977	10.39	FEB. 17, 1978	9.76	APR. 24, 1978	9.10	JULY 17, 1978	9.44
DEC. 8	10.67	FEB. 22	9.92	MAY 25	9.15	AUG. 14	9.41
JAN. 16, 1978	10.36	MAR. 23	9.53	JUNE 20	9.13	SEP. 19	9.19

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 184-194. MP TOP OF 2-IN CASING, 2.0 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. 27, 1978	5.85						

VERMILION PARISH

294705092115001 LOCAL WELL NUMBER: VE-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, 1978	10.12						

295520092093001 LOCAL WELL NUMBER: VE-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
MAR. 1, 1978	19.84						

300251092275801 LOCAL WELL NUMBER: VE-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
FEB. 28, 1978	33.70						

300245092200301 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 15.69 BELOW LSD, MAR. 21, 1950,
LOWEST WATER LEVEL 50.69 BELOW LSD, JUNE 24, 1968.
RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1977	36.01	FEB. 16, 1978	34.14	APR. 24, 1978	44.39	JULY 17, 1978	43.67
DEC. 7	35.16	FEB. 28	33.19	MAY 26	47.00	AUG. 15	40.23
JAN. 18, 1978	33.98	MAR. 27	41.31	JUNE 20	43.57	SEP. 20	37.52

295650092245001 LOCAL WELL NUMBER: VE-442

OWNER: ROBLEY 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
FEB. 28, 1978	20.02						

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
FEB. 28, 1978	21.17						

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, 12.9 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
MAR. 1, 1978	28.70						

300240092083201 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 1956-68, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	30.18						

294609092193301 LOCAL WELL NUMBER: VE-601

OWNER: BEN C. HEBERT HEIRS. (SEC. 2, T. 15S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 249 FT, SLOTTED 167-249. MP TOP OF CASING, 3.0 FT ABOVE LSD.
LSD 2.87 FT NGVD.
HIGHEST WATER LEVEL 3.49 BELOW LSD, DEC. 27, 1961,
LOWEST WATER LEVEL 10.19 BELOW LSD, NOV. 27, 1967.
RECORDS AVAILABLE 1961-72, 1974, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	5.80						

294825092202004 LOCAL WELL NUMBER: VE-629U

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
FEB. 17, 1978	5.74						

294825092202005 LOCAL WELL NUMBER: VE-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
FEB. 17, 1978	5.80						

295031092203202 LOCAL WELL NUMBER: VE-630U

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
FEB. 17, 1978	9.59						

295031092203203 LOCAL WELL NUMBER: VE-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
FEB. 17, 1978	9.72						

295345092100702 LOCAL WELL NUMBER: VE-637U

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. 22, 1978	10.52						

295345092100703 LOCAL WELL NUMBER: VE-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. 22, 1978	10.71						

293845092264901 LOCAL WELL NUMBER: VE-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, 3.0 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
FEB. 17, 1978	8.85						

295341092055401 LOCAL WELL NUMBER: VE-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. 23, 1978	13.61						

295616092304701 LOCAL WELL NUMBER: VE-653

OWNER: R. S. SIRMON. (SEC. 6, T. 13S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, DEPTH 291 FT, SCREENED 231-291. MP LOWER LIP OF DISCHARGE PIPE, 5.93 FT ABOVE LSD.
LSD 7.50 FT NGVD.
HIGHEST WATER LEVEL 17.09 BELOW LSD, MAR. 4, 1969,
LOWEST WATER LEVEL 20.57 BELOW LSD, MAR. 9, 1977.
RECORDS AVAILABLE 1967, 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	19.47						

295504092320101 LOCAL WELL NUMBER: VE-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
FEB. 28, 1978	21.18						

295240092240901 LOCAL WELL NUMBER: VE-655

OWNER: UNKNOWN. (SEC. 30, T. 13S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH AND SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 4.75 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 13.09 BELOW LSD, FEB. 22, 1972,
LOWEST WATER LEVEL 14.85 BELOW LSD, MAR. 22, 1977.
RECORDS AVAILABLE 1969, 1972, 1974, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	13.55						

293801092233801 LOCAL WELL NUMBER: VE-656

OWNER: EXXON CO., U.S.A. (SEC. 8, T. 16S., R. 1E.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM, DEPTH, AND SCREENED INTERVAL UNKNOWN. MP TOP OF SEALED PLATE, 2.60 FT ABOVE LSD.
LSD 4.35 FT NGVD.
HIGHEST WATER LEVEL 5.29 BELOW LSD, FEB. 27, 1974,
LOWEST WATER LEVEL 7.00 BELOW LSD, MAR. 1, 1978.
RECORDS AVAILABLE 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1978	7.00						

295606092365001 LOCAL WELL NUMBER: VE-657

OWNER: EVANS CORMIER. (SEC. 6, T. 13S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 241 FT, SCREENED 201-241. MP LOWER LIP OF DISCHARGE PIPE, 2.42 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 22.46 BELOW LSD, MAR. 4, 1969,
LOWEST WATER LEVEL 25.93 BELOW LSD, FEB. 28, 1975.
RECORDS AVAILABLE 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1978	24.58						

293214092180901 LOCAL WELL NUMBER: VE-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, 1978	7.85						

+ Above land-surface datum.
H Tape measurement (recorder).

INDEX

October 1, 1978

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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