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Water Resources Data for Louisiana Water Year 1977

Volume 3. Coastal Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-77-3

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

CALENDAR FOR WATER YEAR 1977

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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

V. E. McKelvey, Director

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District Chief, Water Resources Division
U.S. Geological Survey
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Baton Rouge, LA 70896

PREFACE

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

This report is one of a series issued by State. General direction for the series is by J. S. Cragwall, Jr., Chief Hydrologist, U.S. Geological Survey, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for Louisiana are in three volumes as follows:

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

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

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

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INTRODUCTION

Water resources data for the 1977 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains discharge records for 72 gaging stations; stage record for 66 of these gaging stations; stage only for 30 gaging stations; contents for 1 reservoir; stage only for 10 lakes; water quality for 148 stations; 27 of these at gaging stations; 215 areal stations, 10 lakes, and 174 wells; and water levels for 696 observation wells. Also included are 199 crest-stage partial-record stations and flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

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

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

Data Report LA-77-1." Water-Data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151.

COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Louisiana Department of Transportation and Development, George Fischer, Secretary; Office of Public Works, Roy 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 39 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

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

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

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

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

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

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

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

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

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

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in g/m³ (grams per cubic meter), and periphyton and benthic organisms in g/m² (grams per square meter).

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

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The classification is as follows:

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

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

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

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

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

Aldrin should contain not less than 95 percent of 1,2,3,4,10,10-hexachloro-1-4,4a,5,8,8a-hexahydro-0, 4-endo-exo-5, 8-dimethano-naphthanene.

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

DDD (combination of ortho and para isomers)

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

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

DDE (combination of ortho and para isomers)

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

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

DDT (combination of ortho and para isomers)

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

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

Diazinon 0,0-diethyl 0- (2-isopropyl-6-methyl-4-pyrimidyl) phosphorothioate.

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

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

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

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

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

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

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

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

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

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

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

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

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

Toxaphene chlorinated camphene containing 67 percent chlorine.

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

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

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

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

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

2,4,5-T 2,4,5-trichlorophenoxyacetic acid.

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

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

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

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

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

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

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

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

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

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

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as colloid.

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

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

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

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

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

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

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

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

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

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

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

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

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

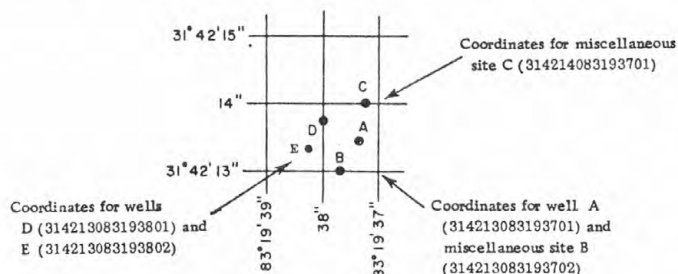


Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

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

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

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

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

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

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

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

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

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

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

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

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

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

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

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

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

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

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

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little

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

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

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum

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

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of field data and computed results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good", within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

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

Other data available

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

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

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during water year 1977 at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

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

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

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling and/or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water analysis

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

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

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

Organics analyses

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

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

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

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

Water temperature

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

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

Sediment

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

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

on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

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

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

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the data

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

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

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

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

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. Altitudes with zeros in the tenths and hundredths columns are generally accurate only to about the nearest foot. The

height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day, the end of each month (eom), and for dates when check measurements were made.

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

- 1-D1. *Water temperature-influential factors, field measurement, and data presentation*, by H. H. Stevens Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages. \$1.15.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS-TWRI Book 2, Chapter D1. 1974. 116 pages. \$1.90
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages. \$1.75.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages. \$0.25.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages. \$0.20.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. \$0.40.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages. \$1.00
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. \$0.30.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6, 1968, 13 pages. \$0.20.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. \$0.45.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. \$1.25.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages. \$0.40.
- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. \$0.35. Not currently available.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages. \$0.70.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages. \$0.65.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages. \$0.70.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. \$1.15.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages. \$0.30.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. \$0.20.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages. \$0.65.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. \$0.75.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. \$0.75.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages. \$0.65.
- 5-A1. *Methods for collection and analysis of water samples for dissolved minerals and gases*, by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages. \$2.40.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages. \$0.80.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages. \$0.90.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by K. V. Slack, R. C. Averett, P. E. Greenson, and R. G. Lipscomb: USGS--TWRI Book 5, Chapter A4. 1973. 165 pages. \$1.95.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages. \$0.65.
- 7-C1. *A digital model for aquifer evaluation*, by G. F. Pinder: USGS--TWRI Book 7, Chapter C1. 1970. 18 pages. \$0.65.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages. \$0.70.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages. \$0.40.

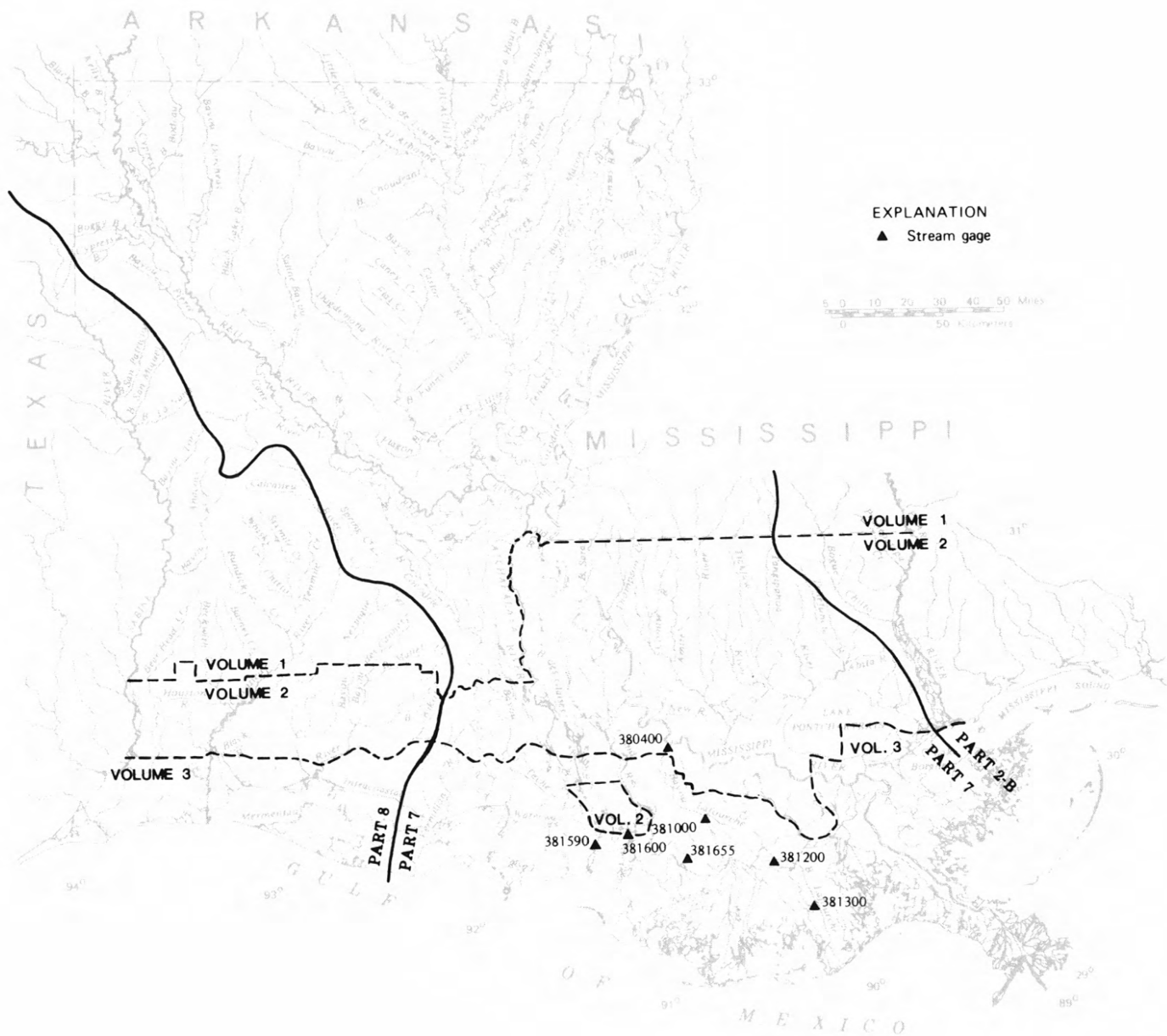


Figure 2. — Location of continuous gaging stations.

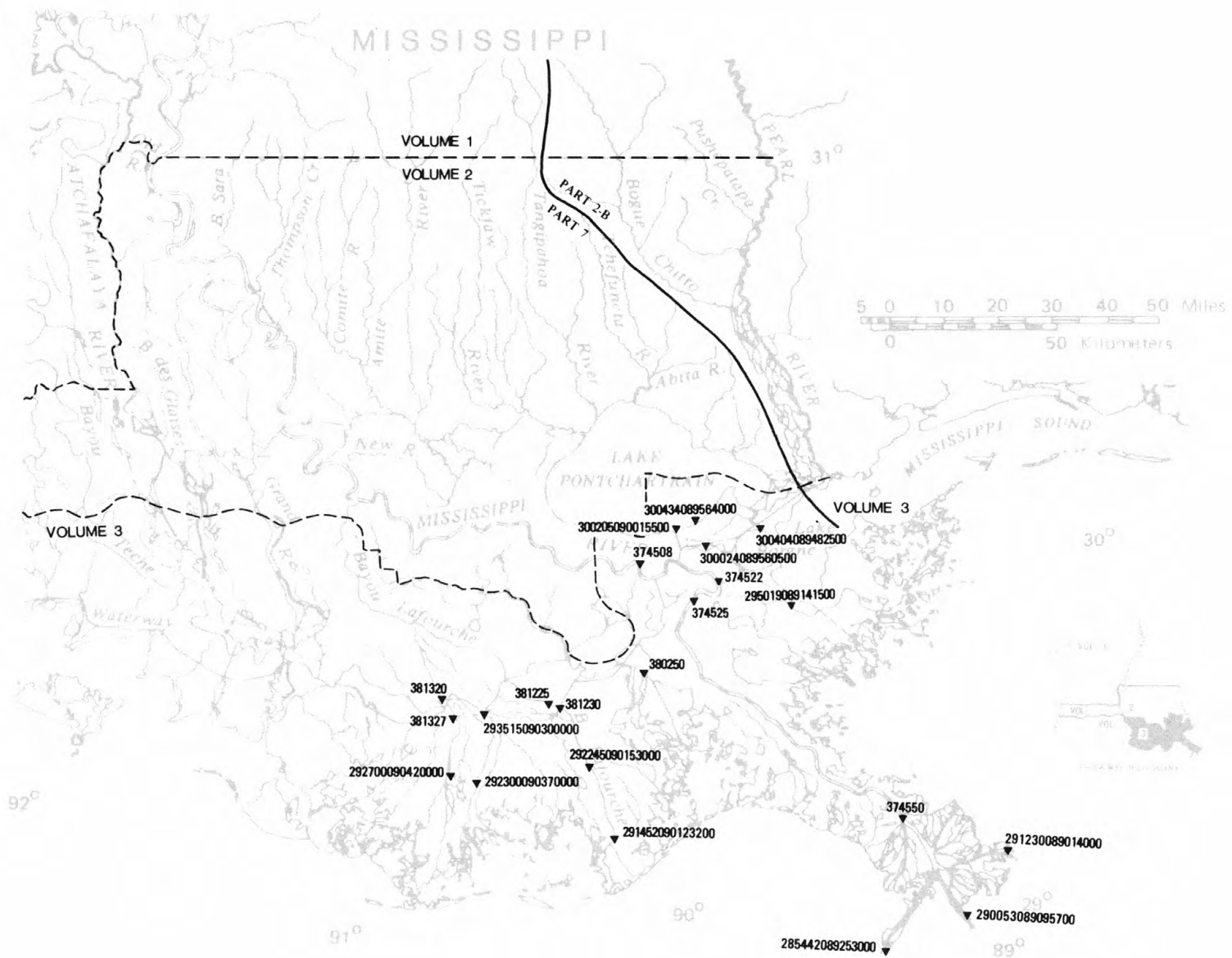


Figure 3. — Location of water-quality stations.

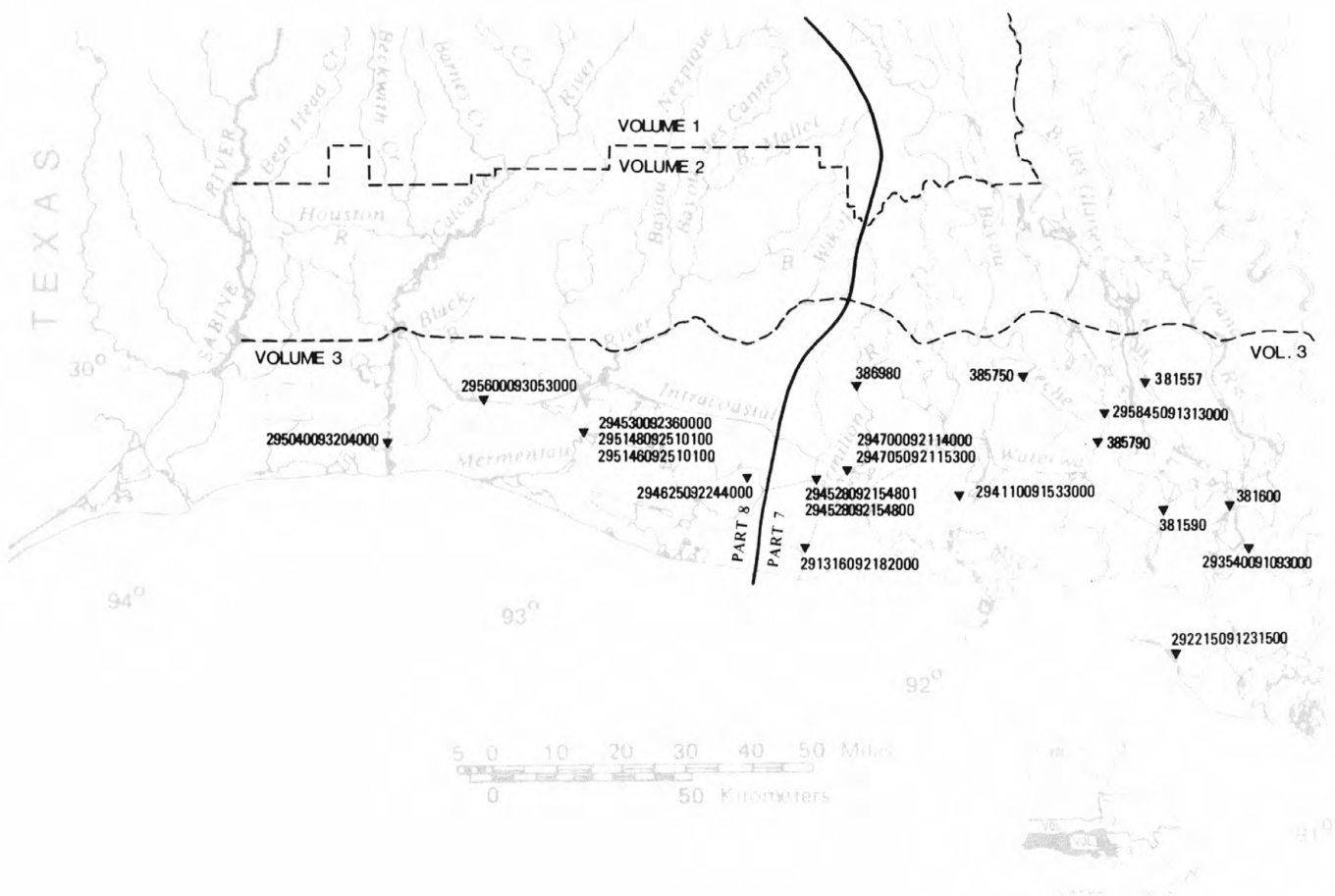


Figure 4. — Location of water-quality stations.

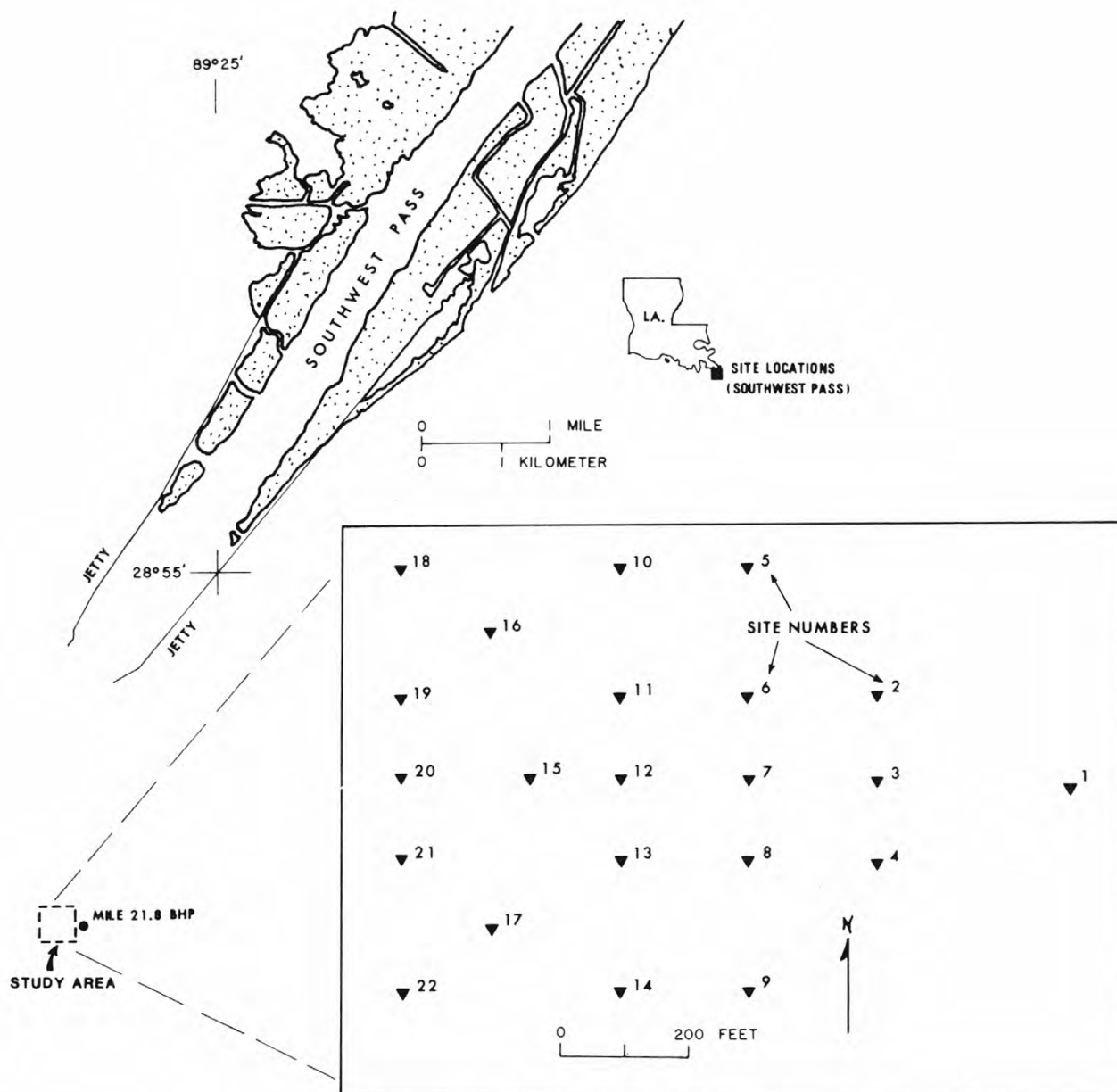


Figure 5. — Location of sampling sites in Southwest Pass disposal area.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA
(National stream-quality accounting network station)

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 mi² (2,926,400 km²), 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 September 1977.

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.

REMARKS.--This station will be discontinued as part of the National stream-quality accounting network.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 630 micromhos Sept. 20, 1969; minimum, 200 micromhos May 1, 1975.

pH: Maximum, 7.9 units several days during fall and winter 1976; minimum, 7.3 units several days in April 1977.

WATER TEMPERATURES: Maximum, 32.0°C July 27-Aug. 2, 1977; minimum, 2.0°C Jan. 27-31, Feb. 6, 7, 1977.

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, 583 micromhos June 24; minimum, 234 micromhos Apr. 26.

pH: Maximum, 7.9 units several days during fall and winter; minimum, 7.3 units several days in April.

WATER TEMPERATURES: Maximum, 32.0°C July 27-Aug. 2; minimum, 2.0°C Jan. 27-31, Feb. 6, 7.

DISSOLVED OXYGEN: Maximum, 13.3 mg/L Jan. 15, 16; minimum, 3.8 mg/L Aug. 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT 16...	1600	507	7.9	21.0	5	6	7.6	.4	420	200	170
NOV 10...	0920	449	8.1	14.0	5	20	9.0	.9	--	868	100
DEC 02...	0900	442	7.8	10.0	15	1	9.5	1.0	--	<5	--
JAN 07...	0900	419	7.5	5.5	15	25	11.7	3.5	8540	<5	180
FEB 09...	1630	358	7.9	4.5	10	25	11.3	2.8	8180	850	--
MAR 17...	1600	330	7.0	11.5	30	90	8.9	4.4	2200	8100	--
APR 08...	0930	310	7.6	16.0	20	75	8.0	2.2	--	--	--
MAY 04...	1545	322	7.7	20.5	30	65	7.2	1.0	--	--	--
JUN 14...	1240	468	8.1	28.5	35	15	6.6	1.3	--	640	--
JUL 07...	1300	518	7.9	29.5	5	30	6.7	3.4	420	320	--
AUG 10...	1400	449	8.1	30.0	20	15	6.3	2.4	--	--	--
SEP 01...	1230	459	7.7	28.5	5	25	6.5	2.1	2000	360	--

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	FECAL STREP- TOCOCCHI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
OCT 16...	--	170	52	42	15	36	31	1.2	3.3	140	0
NOV 10...	--	150	52	40	12	30	30	1.1	3.2	119	0
DEC 02...	--	150	42	42	12	29	29	1.0	3.0	137	0
JAN 07...	--	140	43	38	11	28	30	1.0	2.9	119	0
FEB 09...	8150	--	--	--	--	21	--	--	2.6	120	0
MAR 17...	883	120	45	32	8.5	19	26	.8	2.8	85	0
APR 08...	160	120	38	33	8.3	15	21	.6	3.0	96	0
MAY 04...	--	120	38	34	9.3	15	20	.6	2.9	104	0
JUN 14...	100	170	51	45	13	29	27	1.0	3.5	140	0
JUL 07...	590	160	40	43	12	41	36	1.4	3.6	142	0
AUG 10...	720	140	28	39	11	31	31	1.1	3.8	140	0
SEP 01...	790	150	64	42	12	30	29	1.1	4.3	110	0

DATE	ALKA- LITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT 16...	115	2.8	79	30	.6	.4	283	275	.38	.36	.35
NOV 10...	98	1.5	70	28	.6	5.3	252	248	.34	.72	.55
DEC 02...	112	3.5	62	29	.6	6.2	253	251	.34	.72	.66
JAN 07...	98	6.0	59	32	.6	5.8	240	236	.33	.70	.80
FEB 09...	98	2.4	40	25	.4	4.6	205	--	.28	.52	.81
MAR 17...	70	14	49	23	.2	5.0	--	181	.25	1.3	2.1
APR 08...	79	3.9	40	18	.2	5.7	191	171	.26	1.3	.88
MAY 04...	85	3.3	45	17	.2	5.9	189	181	.26	.97	.74
JUN 14...	110	1.8	59	34	.4	4.1	247	257	.34	1.3	.52
JUL 07...	120	2.9	55	54	.4	4.4	301	283	.41	.80	.47
AUG 10...	110	1.8	57	35	.1	14	243	260	.33	.88	.89
SEP 01...	90	3.5	80	32	.7	3.9	259	259	.35	1.3	.30

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS- PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS- SOLVED GROSS BETA AS CS-137 (PC/L)	SUS- PENDED GROSS BETA AS CS-137 (PC/L)	DIS- SOLVED GROSS BETA AS AS SR90 /Y90 (PC/L)	SUS- PENDED GROSS BETA AS AS SR90 /Y90 (PC/L)	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED NATURAL URANIUM (U) (UG/L)
OCT 16...	.71	3.1	.28	--	--	--	--	--	--	--	--
NOV 10...	1.3	5.6	.20	--	--	--	--	--	--	--	--
DEC 02...	1.4	6.1	.30	--	--	--	--	--	--	--	--
JAN 07...	1.5	6.6	.39	--	--	--	--	--	--	--	--
FEB 09...	1.3	5.9	.25	--	--	--	--	--	--	--	--
MAR 17...	3.4	15	.38	--	--	--	--	--	--	--	--
APR 08...	2.2	9.7	.31	--	--	--	--	--	--	--	--
MAY 04...	1.7	7.6	.33	<2.3	10	4.5	4.8	3.6	3.8	.09	.8
JUN 14...	1.8	8.1	.19	--	--	--	--	--	--	--	--
JUL 07...	1.3	5.6	.24	<3.8	2.3	6.0	2.4	4.8	1.9	.18	1.4
AUG 10...	1.8	7.8	.27	--	--	--	--	--	--	--	--
SEP 01...	1.6	7.1	.29	--	--	--	--	--	--	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
OCT 16...	1	1	0	0	0	10	0	0	0	3	3	570
JAN 07...	3	2	1	0	0	<10	5	3	3	5	2	--
APR 08...	6	1	5	0	0	<10	0	4	0	11	7	7000
JUL 07...	3	2	1	0	0	10	1	0	0	5	3	1700

DATE	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 16...	0	5	0	50	10	.2	.2	0	0	20	10	1.8
JAN 07...	20	4	0	60	10	.0	.0	1	1	20	10	2.9
APR 08...	20	9	0	260	0	.0	.0	0	0	50	20	12
JUL 07...	10	5	0	70	0	.1	.1	0	0	0	0	5.8

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)
OCT 16...	.0	.00	.00	.0	.00	.00	.00	.01	.00	.01	.00	.00
JAN 07...	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00
APR 08...	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00
JUL 07...	.0	.00	.00	.0	.00	.00	.00	.00	.00	.01	.00	.00

DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 16...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00
JAN 07...	.00	.00	.00	.00	.00	.00	.00	0	.00	.08	.04	.00
APR 08...	.00	.00	.00	.00	.00	.00	.00	0	.00	.03	.01	.00
JUL 07...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	467	456	472	469	---	---	415	412	---	---	478	450
2	457	447	479	469	---	---	413	411	---	---	475	446
3	450	442	470	458	---	---	415	409	---	---	444	438
4	446	440	---	---	---	---	413	402	---	---	446	432
5	452	441	---	---	---	---	409	397	---	---	440	418
6	461	444	---	---	441	432	404	399	347	340	421	416
7	469	464	---	---	440	437	411	400	350	345	420	392
8	468	460	---	---	453	441	413	409	363	348	409	370
9	480	467	424	420	464	455	419	413	372	346	383	371
10	487	479	425	419	465	459	427	422	371	360	383	363
11	481	477	423	394	462	448	441	426	376	361	362	353
12	489	482	399	391	457	451	445	429	377	370	358	353
13	502	416	393	381	471	455	435	429	388	377	361	354
14	491	478	381	371	480	470	439	433	389	380	354	335
15	496	487	383	378	473	458	442	437	398	387	333	320
16	493	467	381	371	459	453	443	413	405	397	321	316
17	472	449	372	369	473	461	412	384	416	403	322	307
18	450	442	382	368	478	461	396	379	423	415	306	289
19	451	441	384	377	466	449	386	375	425	419	289	279
20	449	439	---	---	451	434	388	369	418	416	280	275
21	453	445	---	---	439	435	372	369	421	413	276	266
22	455	447	---	---	452	438	378	372	428	414	270	267
23	453	445	---	---	457	444	371	367	442	430	277	271
24	473	449	---	---	449	441	368	363	470	442	278	276
25	481	472	---	---	442	425	369	364	471	457	281	276
26	485	479	---	---	423	412	368	357	460	455	289	281
27	487	472	---	---	411	401	366	354	460	434	286	277
28	490	478	---	---	412	400	356	346	450	426	275	272
29	493	486	---	---	402	391	347	336	---	---	273	267
30	487	474	---	---	403	395	350	339	---	---	270	266
31	476	470	---	---	415	398	342	340	---	---	283	270

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	291	281	---	---	414	402	457	451	425	421	446	439
2	295	287	---	---	418	410	451	439	424	418	448	440
3	298	293	---	---	420	415	463	441	432	423	442	435
4	300	293	333	321	416	409	483	464	431	416	436	431
5	295	287	343	329	414	404	503	484	419	414	431	409
6	287	280	353	338	413	401	501	495	414	405	411	403
7	289	279	355	352	414	408	511	488	413	410	416	403
8	288	278	356	351	424	413	541	512	411	403	410	403
9	277	264	358	350	432	414	543	518	433	405	412	409
10	272	264	361	352	---	---	518	499	438	430	411	398
11	285	273	355	347	---	---	502	484	434	421	421	402
12	287	276	356	350	---	---	482	461	423	421	422	412
13	274	257	355	348	445	438	471	452	431	421	415	407
14	261	256	352	347	454	443	462	428	431	425	405	395
15	271	259	351	344	464	453	427	404	436	428	405	388
16	275	267	349	344	463	458	406	397	445	438	417	408
17	272	265	353	349	467	457	407	402	451	444	418	409
18	265	262	359	353	478	466	434	408	464	450	425	412
19	265	262	368	357	499	479	435	419	461	451	420	405
20	268	263	376	363	530	498	433	429	478	462	445	422
21	273	264	383	375	550	530	432	429	485	476	450	443
22	280	272	402	386	555	547	432	426	493	485	444	437
23	274	254	407	401	578	552	431	420	486	461	438	432
24	255	238	402	392	583	573	420	398	468	463	433	414
25	240	236	392	383	570	554	399	392	468	451	414	402
26	240	234	386	374	557	542	438	398	456	430	401	391
27	---	---	383	376	538	501	414	402	483	460	390	371
28	---	---	393	382	500	484	417	412	474	449	379	374
29	---	---	396	388	488	452	426	415	454	442	---	---
30	---	---	409	398	455	436	421	412	449	442	---	---
31	---	---	411	398	---	---	423	415	447	438	---	---

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	7.7	7.7	---	---	7.9	7.9
2	---	---	---	---	---	---	7.7	7.7	---	---	7.9	7.9
3	---	---	---	---	---	---	7.8	7.7	---	---	7.9	7.8
4	---	---	---	---	---	---	7.8	7.7	---	---	7.9	7.9
5	---	---	---	---	---	---	7.7	7.7	---	---	7.9	7.8
6	---	---	---	---	7.7	7.7	7.7	7.6	7.7	7.7	7.8	7.8
7	---	---	---	---	7.7	7.7	7.7	7.6	7.8	7.7	7.8	7.7
8	---	---	---	---	7.7	7.7	7.7	7.6	7.8	7.7	7.8	7.7
9	---	---	7.8	7.8	7.8	7.7	7.8	7.7	7.7	7.7	7.7	7.7
10	---	---	7.9	7.7	7.8	7.6	7.8	7.7	7.8	7.7	7.7	7.7
11	---	---	7.8	7.8	7.8	7.7	7.8	7.7	7.7	7.7	7.7	7.7
12	---	---	7.8	7.8	7.8	7.7	7.7	7.7	7.7	7.7	7.7	7.7
13	---	---	7.8	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
14	---	---	7.8	7.7	7.7	7.6	7.8	7.7	7.7	7.6	7.7	7.6
15	---	---	7.9	7.8	7.8	7.7	7.8	7.8	7.7	7.6	7.7	7.6
16	---	---	7.9	7.8	7.8	7.7	7.8	7.6	7.7	7.6	7.6	7.6
17	---	---	7.9	7.8	7.8	7.7	7.6	7.6	7.6	7.6	7.6	7.6
18	---	---	7.8	7.7	7.8	7.8	7.7	7.6	7.6	7.6	7.6	7.5
19	---	---	7.7	7.7	7.8	7.7	7.7	7.6	7.6	7.6	7.6	7.5
20	---	---	---	---	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5
21	---	---	---	---	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5
22	---	---	---	---	7.8	7.8	7.7	7.7	7.6	7.6	7.5	7.5
23	---	---	---	---	7.8	7.8	7.8	7.7	7.7	7.6	7.6	7.5
24	---	---	---	---	7.9	7.8	7.8	7.7	7.8	7.7	7.6	7.5
25	---	---	---	---	7.8	7.8	7.7	7.7	7.9	7.7	7.6	7.5
26	---	---	---	---	7.8	7.8	7.8	7.7	7.9	7.9	7.6	7.5
27	---	---	---	---	7.8	7.7	7.7	7.6	7.9	7.9	7.6	7.5
28	---	---	---	---	7.8	7.7	7.7	7.6	7.9	7.9	7.4	7.4
29	---	---	---	---	7.8	7.8	7.7	7.7	---	---	7.5	7.4
30	---	---	---	---	7.8	7.7	7.7	7.6	---	---	7.5	7.4
31	---	---	---	---	7.7	7.7	7.7	7.6	---	---	7.4	7.4

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

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

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	26.0	26.0	16.5	16.0	---	---	6.5	6.5	---	---	9.0	8.5
2	26.0	26.0	16.5	16.0	---	---	6.5	6.5	---	---	9.5	8.5
3	26.0	25.5	16.0	15.5	---	---	6.5	6.0	---	---	10.0	9.5
4	26.0	25.5	---	---	---	---	6.5	6.0	---	---	10.0	9.5
5	25.5	25.5	---	---	---	---	6.5	6.0	---	---	9.5	9.5
6	25.5	25.0	---	---	9.5	9.5	6.5	6.0	2.5	2.0	9.5	9.5
7	25.5	25.0	---	---	9.5	9.0	6.0	5.5	2.5	2.0	---	---
8	25.0	24.5	---	---	9.0	8.5	6.0	6.0	4.0	3.5	---	---
9	24.5	23.5	13.5	13.5	8.5	8.5	6.5	5.5	4.5	4.0	---	---
10	23.5	23.0	13.5	13.0	8.5	8.5	5.5	5.0	4.5	4.0	---	---
11	23.5	22.0	13.5	13.0	9.0	8.5	5.0	5.0	4.5	4.0	---	---
12	23.0	22.5	13.0	12.5	8.5	8.5	5.0	5.0	4.5	4.5	---	---
13	22.5	22.0	12.5	12.5	8.5	8.0	5.0	4.5	5.0	4.5	10.0	9.5
14	22.0	21.5	12.5	12.0	8.0	8.0	5.0	4.5	5.0	4.5	10.0	9.5
15	22.0	21.5	12.0	12.0	8.0	8.0	4.5	4.0	5.5	5.0	10.5	10.0
16	22.0	21.5	12.0	11.5	8.0	7.5	4.0	3.5	5.5	5.0	11.0	10.5
17	21.5	21.0	11.5	11.0	7.5	7.5	4.0	3.5	6.0	5.5	12.0	11.0
18	21.0	20.5	11.0	10.5	7.5	7.0	4.0	3.5	6.5	6.0	12.5	11.5
19	21.0	20.5	10.5	10.5	7.5	7.0	4.0	3.0	7.0	6.5	12.5	12.0
20	20.5	20.0	---	---	7.5	7.0	3.5	3.0	7.0	6.5	13.0	12.5
21	20.5	20.0	---	---	7.0	7.0	3.5	3.0	7.5	6.5	13.5	13.0
22	20.0	19.5	---	---	7.0	6.5	3.5	3.0	8.0	7.0	13.5	13.0
23	19.5	19.5	---	---	6.5	6.0	3.5	3.0	8.5	8.0	14.0	13.0
24	19.5	19.0	---	---	6.0	6.0	3.5	2.5	9.0	8.0	13.0	13.0
25	19.0	18.5	---	---	6.5	6.0	3.0	2.5	9.0	8.0	13.5	13.0
26	18.5	18.0	---	---	6.0	6.0	3.0	2.5	10.0	9.0	14.5	13.0
27	18.5	18.0	---	---	6.5	6.0	3.5	2.0	9.5	9.0	14.5	14.0
28	18.0	17.5	---	---	6.5	6.0	2.5	2.0	9.5	9.0	13.5	13.5
29	17.5	17.0	---	---	6.5	6.0	2.5	2.0	---	---	14.0	13.5
30	17.0	17.0	---	---	7.0	6.5	2.0	2.0	---	---	14.5	14.0
31	17.0	16.5	---	---	7.0	6.5	2.5	2.0	---	---	14.5	14.0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	14.5	14.0	---	---	26.5	26.0	30.0	29.5	32.0	31.5	28.5	28.0
2	15.0	14.5	---	---	27.0	26.5	30.0	29.5	32.0	31.5	28.5	28.0
3	15.0	14.5	---	---	27.5	26.5	30.0	29.5	31.5	31.0	28.5	28.5
4	15.5	15.0	21.0	20.5	27.5	27.0	30.0	30.0	31.0	31.0	28.5	28.0
5	15.5	15.5	21.0	20.5	28.5	27.5	30.5	30.0	31.0	31.0	29.0	28.0
6	15.5	15.5	21.5	21.0	28.5	28.0	30.5	30.0	31.0	30.5	29.0	28.0
7	15.5	15.5	21.5	21.0	28.5	28.0	30.5	30.0	30.5	30.0	29.0	28.0
8	15.5	15.5	22.0	21.5	29.0	28.5	30.5	30.0	30.5	30.0	29.0	28.0
9	15.5	15.5	22.0	21.5	29.0	28.5	30.0	30.0	30.0	30.0	28.5	28.0
10	15.5	15.5	22.0	22.0	---	---	30.0	29.5	30.0	30.0	29.0	28.0
11	16.0	15.5	22.0	22.0	---	---	30.0	29.5	30.0	30.0	29.0	28.0
12	16.0	15.5	22.5	22.0	---	---	30.0	29.5	30.0	30.0	---	---
13	16.5	16.0	22.5	22.0	29.0	28.5	30.0	29.5	30.5	30.0	---	---
14	16.5	16.0	22.5	22.5	28.5	28.5	29.5	29.5	30.5	30.0	---	---
15	17.0	16.5	23.0	22.5	29.0	28.5	29.5	29.5	30.5	30.0	---	---
16	17.0	16.5	23.5	23.0	29.0	28.5	29.5	29.0	30.5	30.5	---	---
17	17.0	17.0	23.5	23.0	29.0	28.5	29.5	29.5	30.5	30.5	28.5	28.0
18	17.5	17.0	23.5	23.0	28.5	28.5	30.0	29.5	30.5	30.0	28.5	28.0
19	17.5	17.0	23.5	23.0	29.0	28.0	30.5	30.0	31.0	30.0	28.5	28.0
20	17.5	17.5	23.5	23.5	29.0	28.5	30.5	30.0	30.5	30.0	28.0	28.0
21	18.0	17.5	23.5	23.5	29.0	28.5	30.5	30.0	30.0	30.0	28.0	27.5
22	18.5	18.0	24.0	23.5	29.0	28.5	31.0	30.5	30.0	29.5	28.0	27.5
23	18.5	18.0	24.0	23.5	29.0	28.5	31.0	31.0	30.0	29.5	27.5	27.5
24	18.5	18.0	24.0	23.5	29.5	28.5	31.5	31.0	30.0	29.0	27.5	27.0
25	19.0	18.5	24.5	24.0	29.5	29.0	31.5	31.0	29.0	28.5	27.5	27.0
26	18.5	18.5	25.0	24.0	---	---	31.5	31.5	28.5	28.0	27.5	27.0
27	---	---	25.0	24.5	30.0	29.5	32.0	31.5	28.5	28.0	27.0	27.0
28	---	---	25.5	25.0	29.5	29.5	32.0	31.5	28.5	28.0	27.0	27.0
29	---	---	26.0	25.5	30.0	29.0	32.0	31.5	28.0	28.0	---	---
30	---	---	26.5	25.5	30.0	29.5	32.0	31.5	28.5	28.0	---	---
31	---	---	26.5	26.0	---	---	32.0	31.5	29.0	28.0	---	---

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.2	6.7	8.8	8.3	---	---	12.1	11.8	---	---	---	---
2	7.5	6.8	8.8	8.2	---	---	12.1	11.9	---	---	---	---
3	7.6	7.0	8.8	8.1	---	---	12.2	11.9	---	---	---	---
4	7.6	7.0	---	---	---	---	12.2	11.8	---	---	---	---
5	7.4	6.9	---	---	---	---	12.1	11.8	---	---	---	---
6	7.8	7.3	---	---	11.1	10.4	12.1	12.0	---	---	---	---
7	7.9	7.6	---	---	11.1	10.8	12.3	11.8	12.6	12.3	---	---
8	8.5	7.8	---	---	11.2	10.8	12.4	12.2	12.2	11.8	---	---
9	8.5	8.1	9.2	8.9	11.5	11.0	12.5	12.2	12.1	11.8	---	---
10	8.4	7.7	9.5	9.0	11.5	11.1	12.8	12.4	12.4	11.9	---	---
11	8.4	7.5	9.6	9.3	11.5	11.2	12.9	12.6	12.5	12.3	---	---
12	8.1	7.5	10.0	9.5	11.3	11.0	13.0	12.7	12.7	12.1	---	---
13	7.9	7.0	10.0	9.7	11.1	10.9	13.0	12.8	12.7	12.3	---	---
14	7.7	6.9	9.9	9.7	11.2	11.0	13.2	12.9	12.7	12.3	---	---
15	7.8	7.0	10.0	9.8	11.3	10.9	13.3	12.8	12.5	12.2	---	---
16	7.8	7.4	10.1	9.8	11.4	11.1	13.3	12.7	12.4	12.1	---	---
17	8.5	7.9	10.2	9.9	11.2	11.0	12.7	11.7	12.3	12.0	---	---
18	8.7	8.0	10.2	9.9	11.3	10.9	12.0	10.9	12.4	11.7	---	---
19	8.3	7.9	10.2	10.0	11.5	11.0	12.3	10.4	12.1	11.7	---	---
20	8.7	8.3	---	---	11.7	11.2	12.1	9.8	12.0	11.6	---	---
21	8.9	8.3	---	---	11.6	11.3	12.0	11.2	12.0	11.6	---	---
22	8.8	8.3	---	---	11.5	11.3	11.6	11.0	12.0	11.4	---	---
23	8.6	8.1	---	---	11.8	11.4	11.7	11.0	11.9	11.4	---	---
24	8.3	8.0	---	---	11.9	11.5	11.6	11.1	11.9	11.4	---	---
25	8.4	8.2	---	---	12.0	11.7	11.9	11.0	11.9	11.3	---	---
26	8.6	8.3	---	---	12.1	11.6	11.5	11.0	---	---	---	---
27	8.7	8.5	---	---	12.2	11.9	12.9	10.6	---	---	---	---
28	8.6	8.5	---	---	12.1	11.8	12.7	12.4	---	---	---	---
29	8.6	8.1	---	---	12.1	11.9	12.6	12.2	---	---	8.7	8.5
30	8.5	8.1	---	---	12.0	11.6	12.4	11.9	---	---	8.8	8.6
31	8.6	7.9	---	---	12.0	11.8	12.2	12.0	---	---	8.8	8.5

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	9.0	8.7	---	---	6.6	6.0	---	---	6.5	6.3	6.2	5.5
2	9.1	8.8	---	---	6.6	6.1	---	---	6.6	6.3	6.3	5.7
3	9.2	9.0	---	---	6.5	6.0	---	---	6.4	6.2	6.1	5.7
4	9.2	8.9	7.7	7.2	6.4	6.0	---	---	6.3	6.1	6.5	6.0
5	9.0	8.6	7.6	7.3	6.7	5.9	---	---	6.2	6.0	6.6	6.3
6	8.9	8.7	8.0	7.5	6.5	6.0	---	---	6.3	6.2	6.8	6.3
7	9.2	8.9	7.9	7.7	6.3	5.7	---	---	6.6	6.3	6.6	6.1
8	9.0	8.7	8.1	7.8	6.3	5.9	---	---	6.6	6.4	6.5	6.1
9	8.9	8.7	8.1	7.2	6.3	5.9	6.7	6.4	6.5	6.2	6.7	6.2
10	8.9	8.6	7.5	7.3	---	---	6.6	6.3	6.5	6.3	6.7	5.7
11	8.9	8.6	7.7	7.5	---	---	6.5	6.3	6.5	6.0	---	---
12	9.0	8.8	7.8	7.5	---	---	6.4	6.3	6.5	6.2	---	---
13	9.0	8.6	7.7	7.3	---	---	6.5	6.0	6.6	6.3	---	---
14	9.0	8.8	7.5	7.2	---	---	6.1	6.0	6.7	6.4	---	---
15	9.1	8.9	7.3	7.1	---	---	6.2	6.0	6.6	6.3	---	---
16	9.1	8.8	7.4	7.0	---	---	6.2	6.0	6.5	6.2	---	---
17	9.3	9.0	7.6	7.2	---	---	6.3	6.0	6.3	6.0	6.1	5.9
18	9.3	8.7	7.6	7.3	---	---	6.3	6.0	6.2	5.7	6.2	5.8
19	9.1	8.5	7.6	7.3	---	---	6.0	5.9	6.4	5.2	6.2	5.7
20	9.1	8.3	7.6	7.3	---	---	6.0	5.8	6.7	6.3	6.1	5.6
21	9.0	8.1	7.4	6.8	---	---	5.7	5.6	6.6	6.3	6.0	5.7
22	8.5	7.2	7.2	6.7	---	---	5.6	5.4	6.3	6.0	6.0	5.8
23	7.8	6.9	6.9	6.2	---	---	5.5	5.1	6.0	5.8	6.2	5.9
24	7.7	6.9	6.5	6.0	---	---	5.1	4.8	5.9	5.5	6.7	6.0
25	7.6	7.0	6.4	5.9	---	---	4.9	4.6	5.5	4.7	6.7	6.3
26	7.7	6.9	6.5	6.2	---	---	5.9	5.6	4.6	3.8	6.7	6.3
27	---	---	6.5	6.2	---	---	5.9	5.7	5.2	3.9	6.6	6.3
28	---	---	6.5	6.1	---	---	5.9	5.9	5.6	5.1	6.5	6.3
29	---	---	6.4	5.9	---	---	6.2	5.9	5.8	5.0	---	---
30	---	---	6.4	5.9	---	---	6.5	6.2	5.7	5.4	---	---
31	---	---	6.4	5.9	---	---	6.6	6.3	5.8	5.3	---	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

OCT. 16, 1976 1600 HOURS

PHYTOPLANKTON 1,700 CELLS/ML

ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...SCENEDESMACEAE		
....ACTINASTRUM	160	10
CHRYSOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	1,100	62
....MELOSIRA	490	29

NOV. 10, 1976 0920 HOURS

PHYTOPLANKTON 1,300 CELLS/ML

ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...OCCYSTACEAE		
....OOCYSTIS	27	2
...SCENEDESMACEAE		
....ACTINASTRUM	160	12
....SCENEDESMUS	230	18
..TETRASPORALES		
...COCCOMYXACEAE		
....ELAKATOTHRIX	14	1
CHRYSOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....COSCINODISCUS	55	4
....CYCLOTELLA	190	14
....MELOSIRA	34	3
..PENNALES		
...NITZSCHACEAE		
....NITZSCHIA	41	3
CYANOPHYTA		
..MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA		
....OSCILLATORIA	550	41
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	14	1
....TRACHELOMONAS	7	1

DEC. 2, 1976 0900 HOURS

PHYTOPLANKTON 1,800 CELLS/ML

ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...OCCYSTACEAE		
....DICHOTOMOCOCCUS	92	5
..CHARACIACEAE		
...SCHROEDERIA		
..COELASTRACEAE		
....COELASTRUM	1000	6
...HYDRODICTYACEAE		
....PEDIASTRUM	33	2
...OCCYSTACEAE		
....ANKISTRODESMUS		0
....CHODATELLA		0
....DICTYOSPHAERIUM	26	1
....OOCYSTIS	85	5
...SCENEDESMACEAE		
....ACTINASTRUM	13	1
....CRUCIGENIA		0
...SCENEDESMUS	180	10
....TETRASTRUM	52	3
..TETRASPORALES		

DEC. 2, 1976 0900 HOURS --Continued

PHYTOPLANKTON 1,800 CELLS/ML

ORGANISM_NAME	CELLS/ML	PER_CENT
...PALMELLACEAE		
....SPHAEROCYSTIS	52	3
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS		0
CHRYSOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	26	1
....MELOSIRA	180	10
CYANOPHYTA		
..MYXOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	100	6
....ANACYSTIS	460	25
..OSCILLATORIALES		
...OSCILLATORIA		
....OSCILLATORIA		
..SCYTONEMATAACEAE	230	13
....PLECTONEMA	120	6
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA		0
....TRACHELOMONAS	39	2

JAN. 7, 1977 0900 HOURS

PHYTOPLANKTON 1,500 CELLS/ML

ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...MICRACTINIACEAE		
....MICRACTINIUM	91	6
...OCCYSTACEAE		
....ANKISTRODESMUS	23	1
...SCENEDESMACEAE		
....SCENEDESMUS	110	7
....TETRASTRUM	30	2
CHRYSOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	38	2
....MELOSIRA	240	16
..PENNALES		
...FRAGILARIACEAE		
....ASTERIONELLA	490	32
....SYNEDRA	15	1
...NAVICULACEAE		
....NAVICULA	0	
CYANOPHYTA		
..MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA		
....OSCILLATORIA	490	32

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

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

MAY 4, 1977 1545 HOURS

PHYTOPLANKTON 660 CELLS/ML

__ORGANISM__NAME_____	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...MIRACTINIACEAE		
....MIRACTINIUM	42	6
...OOCYSTACEAE		
....ANKISTRODESMUS	83	13
...SCENEDESMACEAE		
....SCENEDESMUS	170	25
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	120	19
..PENNALES		
...NITZSCHIACEAE		
....NITZSCHIA	42	6
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	210	31

LOWER MISSISSIPPI RIVER BASIN

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.

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)
OCT 16...	1800	561	7.7	21.5	5	5	7.4	12	1.3	10000	--	--
NOV 10...	1045	480	8.0	14.0	5	20	9.4	8	1.5	--	854000	--
DEC 02...	1030	472	7.7	9.5	5	1	9.3	12	1.3	17000	1200	--
JAN 06...	1350	449	7.5	7.0	10	20	10.4	9	3.0	--	8220	--
FEB 10...	0920	358	7.8	4.5	10	25	11.6	20	4.8	16000	82600	810
MAR 18...	0800	324	7.0	11.5	40	75	8.5	36	3.3	5500	1300	--
APR 07...	1850	300	7.5	16.0	--	65	7.9	20	.7	--	--	--
MAY 05...	0915	320	7.7	21.0	30	50	6.8	25	1.4	8000	--	--
JUN 14...	1630	507	8.2	29.0	35	15	6.7	12	1.2	48000	9000	--
JUL 07...	1600	548	7.9	30.0	10	25	6.7	10	2.3	818000	86200	--
AUG 10...	1215	485	8.3	30.0	10	15	8.2	7	2.7	--	--	--
SEP 01...	1400	478	7.7	28.5	5	25	6.3	31	.6	10000	2800	--

DATE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
OCT 16...	180	63	44	16	143	0	117	4.6	80	45	15	--
NOV 10...	150	56	38	13	113	0	93	1.8	71	40	34	<1.0
DEC 02...	160	43	41	13	143	0	117	4.6	64	39	14	--
JAN 06...	150	52	40	12	119	0	98	6.0	65	35	28	<1.0
FEB 10...	120	27	34	9.5	118	0	97	3.0	39	27	35	<1.0
MAR 18...	110	45	32	8.3	84	0	69	13	48	22	346	<1.0
APR 07...	110	36	32	8.0	94	0	77	4.8	37	18	200	<1.0
MAY 05...	120	36	34	9.1	105	0	86	3.4	45	18	71	<1.0
JUN 14...	160	52	44	13	136	0	110	1.2	58	46	24	<1.0
JUL 07...	170	51	46	14	148	0	120	3.0	58	63	38	<1.0
AUG 10...	150	32	39	12	140	0	110	1.1	57	46	55	<1.0
SEP 01...	160	71	43	13	110	0	90	3.5	78	38	42	<1.0

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)
OCT 16...	.26	.01	.27	.37	.13	2	1	--	--	0	0	10
NOV 10...	.75	.01	.76	.60	.15	2	1	--	--	0	0	30
DEC 02...	.73	.01	.74	.65	.25	1	1	--	--	0	0	10
JAN 06...	.72	.01	.73	.81	.24	3	2	--	--	0	0	<10
FEB 10...	.50	.01	.51	.66	.24	1	1	--	--	0	0	20
MAR 18...	1.2	.02	1.2	.75	.24	3	1	0	0	0	0	10
APR 07...	1.2	.01	1.2	.27	.32	5	1	0	0	0	0	20
MAY 05...	.96	.01	.97	.36	.21	2	1	0	0	0	0	<10
JUN 14...	1.4	.00	1.4	.34	.22	3	2	0	0	0	0	10
JUL 07...	.92	.00	.92	.75	.25	2	2	0	0	0	0	<10
AUG 10...	.83	.02	.85	.74	.17	2	2	0	0	0	1	0
SEP 01...	1.3	.01	1.3	.58	.24	2	1	0	0	12	0	20

DATE	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
OCT 16...	0	5	5	0	5	1	.1	.1	3	3
NOV 10...	0	4	4	10	2	0	.2	.1	4	2
DEC 02...	0	6	6	0	2	2	.0	.0	3	3
JAN 06...	0	5	2	30	6	1	.0	.0	4	0
FEB 10...	0	4	4	20	5	0	.0	.0	5	3
MAR 18...	0	16	3	20	18	0	.0	.0	23	0
APR 07...	0	13	13	20	13	0	.0	.0	11	0
MAY 05...	0	14	4	10	3	3	.0	.0	3	3
JUN 14...	0	10	10	20	8	8	.1	.1	5	5
JUL 07...	0	3	2	10	7	0	.0	.0	6	0
AUG 10...	0	15	3	390	3	0	.0	.0	3	3
SEP 01...	0	19	7	30	3	0	.0	.0	15	2

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 16...	--	--	--	40	10	1.4	.00	0	2
NOV 10...	--	--	--	20	20	3.4	.00	2	0
DEC 02...	--	--	--	20	20	5.7	.00	3	0
JAN 06...	--	--	--	10	10	4.3	.00	0	0
FEB 10...	--	--	--	0	10	8.4	.00	2	1
MAR 18...	0	0	1.0	100	0	4.9	.00	1	1
APR 07...	0	0	.0	30	30	10	.00	0	1
MAY 05...	0	0	2.0	10	10	9.3	.00	0	0
JUN 14...	0	0	.0	30	20	--	.00	0	0
JUL 07...	0	0	3.0	10	10	6.1	.00	0	33
AUG 10...	0	0	.0	10	10	3.4	.00	0	--
SEP 01...	0	0	1.0	20	20	3.3	.00	2	0

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA

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 mi² (2,926,500 km²), arbitrarily determined.

PERIOD OF DAILY 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, 3.0°C Feb. 5 and 6.

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, 621 micromhos June 26; minimum, 253 micromhos May 8.

WATER TEMPERATURES: Maximum, 32.0°C several days in July and August; minimum, 3.0°C Feb. 5 and 6.

CHLORIDE: Maximum, 85 mg/L June 26, 27; minimum, 12 mg/L Apr. 26.

SULFATE: Maximum, 93 mg/L Oct. 30; minimum, 36 mg/L Mar. 20, 24, 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	512	513	473	442	363	457	291	288	418	570	457	---
2	525	507	470	441	356	488	299	298	377	533	466	478
3	514	511	477	466	362	494	306	307	376	430	470	479
4	503	---	465	443	362	478	310	314	432	512	484	477
5	517	---	478	449	359	470	307	327	411	542	479	474
6	530	493	480	436	348	468	302	287	394	561	479	462
7	535	489	482	424	347	437	298	277	413	541	444	437
8	549	---	481	421	359	434	296	253	419	546	435	434
9	540	---	486	432	356	389	301	292	429	597	467	438
10	520	---	481	436	365	396	286	277	434	610	462	439
11	542	---	490	435	369	383	292	273	443	583	465	439
12	543	---	489	444	389	371	309	285	458	561	491	437
13	558	---	467	446	401	368	301	274	468	533	---	462
14	557	---	475	452	392	372	284	303	485	524	---	458
15	554	---	492	448	413	352	284	311	492	494	473	449
16	553	---	488	453	423	336	294	308	488	465	---	438
17	551	419	472	453	425	335	299	293	376	454	---	457
18	542	411	471	423	435	325	292	300	442	455	490	463
19	511	411	486	423	444	309	291	285	454	474	---	463
20	510	426	468	386	464	299	292	329	517	478	---	446
21	487	419	450	406	470	303	294	310	534	479	495	464
22	486	432	440	383	474	285	299	292	489	474	---	490
23	495	435	443	387	470	288	305	332	548	484	---	477
24	489	447	460	399	460	293	285	320	533	487	---	474
25	493	442	469	395	489	290	272	330	584	484	---	465
26	520	441	456	394	506	294	272	386	621	458	---	451
27	530	450	435	442	495	299	267	358	598	466	485	428
28	535	453	428	400	475	290	266	342	614	473	---	413
29	533	448	420	377	---	282	276	374	535	470	---	406
30	550	446	424	377	---	277	284	392	565	465	---	---
31	536	---	426	369	---	279	---	349	---	466	---	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	18.0	11.0	8.0	4.0	10.0	20.0	21.0	27.0	30.0	31.0	---
2	26.0	17.0	12.0	8.0	4.0	10.0	18.0	21.0	27.0	30.0	32.0	29.0
3	26.0	16.0	13.0	8.0	4.0	11.0	18.0	22.0	27.0	30.0	32.0	29.0
4	27.0	---	14.0	8.0	4.0	11.0	18.0	21.0	26.0	30.0	32.0	29.0
5	27.0	---	12.0	8.0	3.0	11.0	18.0	22.0	27.0	31.0	32.0	29.0
6	26.0	16.0	12.0	9.0	3.0	11.0	17.0	22.0	28.0	30.0	32.0	28.0
7	25.0	16.0	12.0	8.0	4.0	11.0	19.0	22.0	28.0	30.0	31.0	29.0
8	25.0	---	10.0	8.0	4.0	11.0	17.0	22.0	28.0	30.0	31.0	29.0
9	25.0	---	10.0	8.0	4.0	11.0	17.0	23.0	29.0	30.0	31.0	28.0
10	24.0	---	10.0	7.0	4.0	13.0	16.0	22.0	29.0	29.0	30.0	29.0
11	24.0	---	12.0	6.0	4.0	14.0	17.0	23.0	27.0	29.0	29.0	28.0
12	25.0	---	12.0	6.0	5.0	13.0	17.0	23.0	29.0	30.0	29.0	29.0
13	23.0	---	10.0	6.0	5.0	12.0	17.0	23.0	28.0	30.0	---	29.0
14	24.0	---	10.0	6.0	6.0	14.0	18.0	25.0	29.0	30.0	---	28.0
15	26.0	---	10.0	9.0	8.0	11.0	17.0	24.0	28.0	30.0	29.0	29.0
16	25.0	---	10.0	8.0	8.0	11.0	17.0	24.0	28.0	30.0	---	29.0
17	22.0	13.0	10.0	6.0	9.0	11.0	18.0	25.0	29.0	29.0	---	29.0
18	21.0	13.0	10.0	5.0	10.0	12.0	18.0	24.0	29.0	29.0	30.0	29.0
19	21.0	12.0	10.0	5.0	10.0	14.0	19.0	24.0	29.0	29.0	---	29.0
20	21.0	12.0	10.0	5.0	8.0	15.0	20.0	24.0	28.0	30.0	---	28.0
21	20.0	12.0	8.0	5.0	8.0	15.0	19.0	24.0	28.0	30.0	29.0	28.0
22	20.0	11.0	8.0	4.0	8.0	14.0	19.0	24.0	29.0	30.0	---	29.0
23	21.0	11.0	8.0	4.0	9.0	14.0	18.0	24.0	29.0	30.0	---	28.0
24	20.0	11.0	7.0	6.0	9.0	14.0	18.0	24.0	29.0	30.0	---	28.0
25	20.0	12.0	10.0	5.0	9.0	14.0	18.0	25.0	30.0	32.0	---	28.0
26	19.0	12.0	8.0	5.0	10.0	14.0	18.0	25.0	30.0	32.0	---	28.0
27	19.0	12.0	9.0	6.0	12.0	14.0	19.0	25.0	30.0	32.0	29.0	28.0
28	19.0	12.0	10.0	7.0	10.0	15.0	19.0	26.0	30.0	31.0	---	28.0
29	19.0	10.0	10.0	5.0	---	14.0	20.0	25.0	29.0	31.0	---	28.0
30	18.0	11.0	9.0	5.0	---	15.0	20.0	26.0	30.0	---	---	---
31	19.0	---	9.0	4.0	---	18.0	---	26.0	---	30.0	---	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	90	65	67	50	55	37	39	60	73	63	---
2	70	80	62	68	43	63	41	42	62	64	65	81
3	70	76	59	67	43	70	42	42	62	64	67	83
4	71	---	58	76	44	67	37	41	62	65	65	83
5	68	---	65	68	44	57	43	45	60	62	63	78
6	70	84	59	66	41	67	41	45	60	60	62	77
7	70	59	64	65	41	61	39	45	54	62	55	71
8	73	---	69	62	39	---	37	48	57	63	53	69
9	62	---	65	61	38	54	40	48	56	68	59	66
10	58	---	67	63	40	59	37	50	56	69	58	65
11	73	---	65	63	40	54	40	49	59	69	60	66
12	74	---	70	60	38	52	42	51	61	72	62	65
13	69	---	64	64	45	52	42	50	61	63	---	68
14	80	---	69	62	44	55	39	52	62	59	---	58
15	78	---	72	64	47	51	39	53	64	57	63	62
16	78	---	69	63	46	49	42	44	64	54	---	61
17	83	50	69	63	43	50	42	43	68	54	---	64
18	83	62	72	58	48	41	39	57	66	53	70	66
19	79	69	76	57	50	45	39	49	62	53	---	67
20	76	72	71	53	50	36	38	52	63	58	---	65
21	70	73	67	53	49	38	39	53	61	58	69	67
22	52	69	63	50	48	37	40	53	63	58	---	71
23	34	72	64	50	47	39	43	58	66	58	---	64
24	74	74	68	50	50	36	43	59	65	57	---	66
25	71	59	69	50	58	39	41	58	66	58	---	62
26	44	69	71	50	61	39	41	60	67	55	---	57
27	66	61	66	54	59	39	41	54	70	56	70	53
28	90	60	65	51	61	38	39	56	72	59	---	49
29	91	56	66	47	---	38	39	58	70	58	---	47
30	93	67	69	46	---	36	38	57	71	59	---	---
31	92	---	67	44	---	37	---	60	---	63	---	---

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	44	42	41	31	34	18	15	29	57	37	---
2	40	45	40	41	28	35	19	15	30	53	39	36
3	38	46	43	42	27	38	19	18	32	47	39	37
4	38	---	41	38	27	39	19	17	30	49	44	38
5	42	---	38	41	26	37	18	19	30	57	42	38
6	44	42	40	38	26	37	19	20	30	64	42	38
7	48	44	44	34	26	34	18	20	28	63	43	33
8	52	---	40	36	31	35	18	20	30	60	43	33
9	42	---	41	36	27	32	18	19	34	78	38	33
10	38	---	39	36	30	26	17	21	34	73	39	34
11	42	---	39	34	30	26	18	21	33	69	46	32
12	40	---	35	35	33	28	18	20	36	64	45	33
13	48	---	35	34	36	28	17	22	39	62	---	37
14	47	---	39	36	29	26	15	21	44	60	---	39
15	45	---	42	32	34	24	16	22	44	56	38	39
16	44	---	32	32	38	23	16	22	43	50	---	38
17	43	35	34	32	36	23	17	22	45	47	---	41
18	45	35	33	32	36	22	15	20	43	47	40	38
19	41	34	34	31	38	23	16	20	44	45	---	36
20	45	38	33	28	40	19	16	21	50	48	---	33
21	38	33	34	29	40	22	16	24	55	47	42	36
22	39	35	35	28	42	20	15	22	62	45	---	38
23	38	38	34	31	42	18	17	22	80	48	---	35
24	37	38	35	33	41	21	15	24	73	50	---	34
25	38	36	34	30	39	19	14	23	79	45	---	36
26	40	35	30	30	41	18	12	22	85	50	---	39
27	39	38	34	35	40	18	16	22	85	46	35	34
28	41	40	33	33	36	20	14	22	75	46	---	32
29	39	39	35	29	---	19	14	23	60	43	---	36
30	45	37	36	33	---	17	14	26	56	41	---	---
31	43	---	35	31	---	18	---	28	---	40	---	---

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

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

COMPOUND		CONCENTRATION (UG/L)
DECEMBER 2, 1976		
SEMI-VOLATILE	DIBUTYL PHTHALATE*	0.90
	ATRAZINE	0.32
	PYRENE + HYDROCARBON IMPURITY	0.06
	DIOCTYL PHTHALATE*	0.14
	PHENYL B NAPHTHYLAMINE	0.36
JUNE 14, 1977		
VOLATILE	BENZENE	0.32
	TOLUENE	1.3
	CHLOROFORM	2.1
SEMI-VOLATILE BASE-NEUTRAL EXTRACTION	DIBUTYL PHTHALATE*	0.94
	ATRAZINE	1.5
	BIS(2-ETHYLHEXYL) PHTHALATE*	4.9
ACID EXTRACTION	ATRAZINE	0.49
	BIS(2-ETHYLHEXYL) PHTHALATE*	2.0

* Possible contaminant from laboratory.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

NOV. 11, 1976
0900 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 5

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		10
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.4
 CLASS 0.4
 ORDER 0.4
 FAMILY 0.4
 GENERA 0.4
NOV. 11, 1976
0901 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 5

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		10

NOV. 11, 1976
0902 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 5

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		14
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

NOV. 11, 1976
0905 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 36

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		1
...LIMNODRILUS		1
...UNKNOWN GENUS		
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
...CRYPTOCHIRONOMUS		6
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		65

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

NOV. 11, 1976
0906 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

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

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
...CRYPTOCHIRONOMUS		3
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		55

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

NOV. 11, 1976
0907 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 33

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	2
....CRYPTOCHIRONOMUS		
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		67

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.2
 CLASS 0.2
 ORDER 0.2
 FAMILY 0.2
 GENERA 0.2
NOV. 11, 1976
0910 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 104

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	4
....CRYPTOCHIRONOMUS		
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		288

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1
NOV. 11, 1976
0911 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 101

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		237

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

NOV. 11, 1976
0912 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 93

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		39

NOV. 11, 1976
0915 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 95

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		127

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

NOV. 11, 1976
0916 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 93

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
.CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		1
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		241

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

NOV. 11, 1976
0917 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 94

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..HIRUDINEA	LEECHES	
...PHARYNGOBDELLIDA		
...ERPOBDELLIDAE		
...UNKNOWN GENUS		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		129

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

NOV. 11, 1976
0920 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2050 DEPTH (FT) 33

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
...DECAPODA	DECAPODS	
...PALAEMONIDAE	SHRIMPS	
...PALAEMONETES		2
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
...CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.5
 CLASS 1.5
 ORDER 1.5
 FAMILY 1.5
 GENERA 1.5

LOWER MISSISSIPPI RIVER BASIN

55

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

NOV. 11, 1976
0921 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2650 DEPTH (FT) 32

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ARTHROPODA	ARTHROPODS	
.CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIDAE		
....COROPHIUM		1
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.5
CLASS 1.5
ORDER 1.5
FAMILY 1.5
GENERA 1.5

NOV. 11, 1976
0922 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2650 DEPTH (FT) 28

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		25

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER MAIN STEM
07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

FEB. 10, 1977
1000 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 15

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		9
....POTAMOTHRIX		1
....UNKNOWN GENUS		25
ARTHROPODA		
..INSECTA	ARTHROPODS	
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....COELOTANYPUS		72
....CRYPTOCHIRONOMUS		40
....MICROPSECTRA		1
...TABANIDAE	HORSEFLIES	
....CHRYSOIDS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.8
CLASS 0.8
ORDER 0.8
FAMILY 0.8
GENERA 1.8
INSECTA 1.1 GENERA

FEB. 10, 1977
1001 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 2

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		5
ARTHROPODA		
..INSECTA	ARTHROPODS	
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

FEB. 10, 1977
1002 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 4

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		5
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

FEB. 10, 1977
1005 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

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

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		2
...UNKNOWN GENUS		4
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		11
...PSYCHODIDAE	MOTH FLIES	
....TELMATOSCOPIUS		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		127

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.7
CLASS 0.7
ORDER 0.7
FAMILY 0.7
GENERA 0.7
INSECTA 0.4 GENERA

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

FEB. 10, 1977
1006 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 39

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		4
....UNKNOWN GENUS		6
ARTHROPODA		
.INSECTA	ARTHROPODS	
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		2
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		89

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.6
 CLASS 0.6
 ORDER 0.6
 FAMILY 0.6
 GENERA 0.7
FEB. 10, 1977
1007 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 42

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		2
....UNKNOWN GENUS		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		19

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

FEB. 10, 1977
1010 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 84

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
MOLLUSCA		
..BIVALVIA	MOLLUSCS	
..NUCULOIDEA	BIVALVES	
...CORBICULIDAE		
....CORBICULA		22

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.3
 CLASS 0.3
 ORDER 0.3
 FAMILY 0.3
 GENERA 0.3
FEB. 10, 1977
1011 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 78

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
MOLLUSCA		
..BIVALVIA	MOLLUSCS	
..NUCULOIDEA	BIVALVES	
...CORBICULIDAE		
....CORBICULA		119
NEMERTEA		
..ENOPLA	RIBBON WORMS	
..FORAMINIFERIDA		
...TETRASTEMMATIDAE		
....PROSTOMA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1
FEB. 10, 1977
1012 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 79

ORGANISM NAME	COMMON NAME	COUNT
MOLLUSCA		
..BIVALVIA	MOLLUSCS	
..NUCULOIDEA	BIVALVES	
...CORBICULIDAE		
....CORBICULA		64

LOWER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER MAIN STEM
07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

FEB. 10, 1977
1015 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 90

ORGANISM NAME	COMMON NAME	COUNT
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		305

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.0
CLASS 0.0
ORDER 0.0
FAMILY 0.0
GENERA 0.0

FEB. 10, 1977
1016 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 89

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....PSECTROCLADIUS		1
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		8

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.3
CLASS 1.3
ORDER 1.3
FAMILY 1.3
GENERA 1.3

LOWER MISSISSIPPI RIVER BASIN

61

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

FEB. 10, 1977
1017 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 90

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
...HYDROIDA		
...CLAVIDAE		
...CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		31

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

FEB. 10, 1977
1020 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2650 DEPTH (FT) 35

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		2
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
...COROPHIUM		14
...GAMMARIDAE		
...GAMMARUS		1
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...COELOTANYPUS		1
...CRYPTOCHIRONOMUS		2
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
...PENTAGENIA		1
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
...HYDROIDA		
...CLAVIDAE		
...CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		78

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

FEB. 10, 1977
1021 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION(FT) 2650 DEPTH (FT) 27

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....COELOTANYPUS		1
....CRYPTOCHIRONOMUS		1
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDILOPHORA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		38

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.6
 CLASS 0.6
 ORDER 0.6
 FAMILY 0.6
 GENERA 0.6
 INSECTA 1.0 GENERA

FEB. 10, 1977
1022 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2650 DEPTH (FT) 22

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
....UNKNOWN GENUS		8
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		2
...GAMMARIDAE		
....GAMMARUS		4
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....COELOTANYPUS		34
....CRYPTOCHIRONOMUS		3
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		14

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.3
 CLASS 1.6
 ORDER 1.6
 FAMILY 1.7
 GENERA 2.0
 INSECTA 0.4 GENERA

LOWER MISSISSIPPI RIVER BASIN

63

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

MAY 5, 1977
1030 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 5

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		7
...LIMNODRILUS		26
...UNKNOWN GENUS		
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	4
...COELOTANYPUS		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.5
CLASS 0.5
ORDER 0.5
FAMILY 0.5
GENERA 1.2

MAY 5, 1977
1031 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 5

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		9
...LIMNODRILUS		24
...UNKNOWN GENUS		
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	2
...COELOTANYPUS		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.3
CLASS 0.3
ORDER 0.3
FAMILY 0.3
GENERA 1.1

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

MAY 5, 1977
1032 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 10 DEPTH (FT) 5

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		10
....UNKNOWN GENUS		13
MOLLUSCA		
..BIVALVIA	MOLLUSCS	
...NUCULOIDEA	BIVALVES	
....CORBICULIDAE		
....CORBICULA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.2
 CLASS 0.2
 ORDER 0.2
 FAMILY 0.2
 GENERA 1.2
MAY 5, 1977
1035 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

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

- - - NO ORGANISMS REPORTED - - -

MAY 5, 1977
1036 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

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

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
....CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		1

MAY 5, 1977
1037 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

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

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

MAY 5, 1977
1040 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 63

- - - NO ORGANISMS REPORTED - - -

LOWER MISSISSIPPI RIVER BASIN

65

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

MAY 5, 1977
1041 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 68

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

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

MAY 5, 1977
1042 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 68

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1

MAY 5, 1977
1045 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 115

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		2
MOLLUSCA		
..BIVALVIA	MOLLUSCS	
...NUCULOIDEA	BIVALVES	
...CORBICULIDAE		
....CORBICULA		23

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

MAY 5, 1977
1046 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 116

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		2
....UNKNOWN GENUS		2
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		30

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.5
 CLASS 0.5
 ORDER 0.5
 FAMILY 0.5
 GENERA 0.6

MAY 5, 1977
1047 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 115

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		5
....UNKNOWN GENUS		5
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		38

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

67

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

MAY 5, 1977
1051 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2650 DEPTH (FT) 8

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		4
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		3

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
 PHYL/DIV 1.0
 CLASS 1.0
 ORDER 1.0
 FAMILY 1.0
 GENERA 1.0

MAY 5, 1977
1050 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2650 DEPTH (FT) 30

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		2
ARTHROPODA	ARTHROPODS	
.CRUSTACEA		
..AMPHIPODA	SCUDS	
...GAMMARIDAE		
....GAMMARUS		2
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		56

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
 PHYL/DIV 0.4
 CLASS 0.4
 ORDER 0.4
 FAMILY 0.4
 GENERA 0.4

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

MAY 5, 1977
1052 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2650 DEPTH (FT) 4

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		11
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...DICROTENDIPES		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		19

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.1
 CLASS 1.1
 ORDER 1.1
 FAMILY 1.1
 GENERA 1.1

LOWER MISSISSIPPI RIVER BASIN

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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 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT 06...	1615	2720	8.0	26.5	--	4	6.1	29	.1	460	840	--
NOV 11...	1630	1060	8.0	15.0	5	2	8.7	14	.4	--	580	5200
DEC 03...	0900	1840	7.7	10.5	5	1	9.4	13	1.5	2500	140	--
JAN 06...	1700	1540	7.6	8.5	15	15	11.6	82	3.5	--	820	--
FEB 10...	1630	1030	8.0	5.0	5	20	11.8	18	3.1	2600	510	--
MAR 18...	1100	340	6.7	11.5	40	90	8.3	37	3.7	8200	1300	--
APR 07...	1700	305	7.6	16.0	25	65	8.0	20	3.3	--	--	--
MAY 05...	1630	314	7.8	21.0	30	40	7.0	30	1.1	2200	--	--
JUN 15...	0900	1790	8.1	29.0	25	15	6.1	15	.6	1800	8300	--
JUL 14...	2000	616	8.0	29.0	10	35	6.1	10	--	4300	740	--
AUG 09...	1135	1610	7.9	31.0	5	7	6.2	12	2.1	1300	826	--
SEP 01...	1630	1020	7.7	28.5	5	15	6.5	13	2.4	5000	430	--

DATE	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)
OCT 06...	--	410	300	58	64	420	22	136	0	150	680	.6
NOV 11...	--	210	120	45	24	--	--	117	0	96	200	--
DEC 03...	--	280	180	48	39	--	--	127	0	120	440	--
JAN 06...	--	250	160	47	32	--	--	114	0	120	350	--
FEB 10...	180	190	100	38	23	--	--	108	0	65	230	--
MAR 18...	--	120	45	32	8.7	--	--	86	0	50	25	--
APR 07...	--	120	47	35	8.4	--	--	91	0	38	20	--
MAY 05...	--	120	37	34	8.9	--	--	103	0	43	17	--
JUN 15...	--	290	180	52	38	--	--	134	0	110	430	--
JUL 14...	--	170	62	43	16	--	--	136	0	66	110	--
AUG 09...	816	260	140	48	33	--	--	140	0	100	370	--
SEP 01...	--	200	100	45	22	--	--	120	0	92	190	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)
OCT 06...	.4	1460	1.99	6	--	.20	.02	.22	.68	.22	2	2
NOV 11...	--	--	--	37	<1.0	.87	.01	.88	.63	.15	2	2
DEC 03...	--	--	--	14	--	.77	.01	.78	.68	.13	1	1
JAN 06...	--	--	--	20	<1.0	.74	.02	.76	.79	.26	2	1
FEB 10...	--	--	--	27	<1.0	.53	.01	.54	.80	.29	2	1
MAR 18...	--	--	--	374	<1.0	1.4	.02	1.4	.99	.46	6	1
APR 07...	--	--	--	168	<1.0	1.2	.02	1.2	.78	.28	4	1
MAY 05...	--	--	--	21	<1.0	.99	.01	1.0	.60	.35	2	1
JUN 15...	--	--	--	61	<1.0	1.6	.00	1.6	.41	.33	3	2
JUL 14...	--	--	--	45	<1.0	.93	.01	.94	.73	.22	3	0
AUG 09...	--	--	--	31	<1.0	.83	.03	.86	.65	.22	1	1
SEP 01...	--	--	--	17	<1.0	1.1	.01	1.1	.64	.15	2	1

DATE	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT 06...	--	--	0	0	40	0	5	5	10	1	0	.1
NOV 11...	--	--	0	0	30	0	5	3	0	4	0	.2
DEC 03...	--	--	0	0	10	0	4	4	0	2	2	.0
JAN 06...	--	--	0	0	<10	0	4	1	40	4	0	.0
FEB 10...	--	--	0	0	20	0	4	4	20	5	0	.0
MAR 18...	0	0	0	0	10	0	21	3	30	15	0	.0
APR 07...	0	0	0	0	20	0	10	3	10	12	0	.0
MAY 05...	0	0	0	0	<10	0	5	5	20	2	2	.0
JUN 15...	0	0	0	0	<10	0	8	--	70	4	4	.0
JUL 14...	0	0	0	0	20	0	5	3	10	4	0	.0
AUG 09...	0	0	0	0	0	0	16	3	20	2	0	.0
SEP 01...	0	0	10	0	20	0	19	6	20	22	0	.1

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 06...	.1	2	2	--	--	--	20	10	2.6	.00	2	0
NOV 11...	.2	5	4	--	--	--	30	20	3.2	.00	2	0
DEC 03...	.0	4	4	--	--	--	30	20	5.6	.00	2	0
JAN 06...	.0	4	4	--	--	--	10	10	2.8	.00	2	0
FEB 10...	.0	5	4	--	--	--	20	20	8.4	.00	0	1
MAR 18...	.0	22	0	0	0	1.0	60	10	8.7	.00	0	0
APR 07...	.0	14	0	0	0	.0	80	10	9.5	.00	1	1
MAY 05...	.0	4	4	0	0	.0	10	10	7.2	.00	0	1
JUN 15...	.0	7	5	0	0	--	30	30	--	.00	0	5
JUL 14...	.0	11	0	0	0	--	20	10	5.2	.00	0	8
AUG 09...	.0	3	2	4	3	--	20	20	3.8	.00	1	0
SEP 01...	.0	10	2	0	1	--	90	30	3.4	.00	2	0

DATE	TIME	SAMP- LING DEPTH (FT)	CROSS SECTION LOC- ATION (FT)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	DATE	TIME	SAMP- LING DEPTH (FT)	CROSS SECTION LOC- ATION (FT)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)
NOV 12...	1200	3.0	15.0	9420	MAY 06...	0840	7.0	15.0	10400
12...	1205	43	1000	3960	06...	0845	41	1000	3700
12...	1210	45	2000	3900	06...	0850	46	2000	6600
12...	1215	85	3000	81000	06...	0900	6.0	3100	7700
12...	1220	2.0	3100	19700	06...	0905	4.0	3100	24100

NOV. 12, 1976
0900 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 3

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
...NEREIDAE		
....NEREIS		3
...SPIONIDA		
...UNKNOWN		
....UNKNOWN		2
MOLLUSCA		
..BIVALVIA	MOLLUSCS	
...NUCULOIDEA	BIVALVES	
...CORBICULIDAE		
....CORBICULA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
PHYL/DIV 0.7
CLASS 0.7
ORDER 1.5
FAMILY 1.5
GENERA 1.5

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 12, 1976
0901 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 4

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
.POLYCHAETA	POLYCHAETES	
..PHYLLODOCIDA		
...NEREIDAE		
....NEREIS		4
ARTHROPODA	ARTHROPODS	
.CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.7
 CLASS 0.7
 ORDER 0.7
 FAMILY 0.7
 GENERA 0.7
NOV. 12, 1976
0902 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 7

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
.POLYCHAETA	POLYCHAETES	
..PHYLLODOCIDA		
...NEREIDAE		
....NEREIS		1
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
.CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		1
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....POLYPEDILUM		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 1.0
 CLASS 2.0
 ORDER 2.0
 FAMILY 2.0
 GENERA 2.0
NOV. 12, 1976
0905 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 43

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
.POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
....UNKNOWN		1

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 12, 1976
0906 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 44

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
...UNKNOWN		11
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
...COROPHIUM		4

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.8
 CLASS 0.8
 ORDER 0.8
 FAMILY 0.8
 GENERA 0.8
NOV. 12, 1976
0907 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 45

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
...UNKNOWN		1
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
...CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..PTERIOIDA		
...MACTRIDAE		
...RANGIA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 1.6
 CLASS 1.6
 ORDER 1.6
 FAMILY 1.6
 GENERA 1.6
NOV. 12, 1976
0910 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 45

- - - NO ORGANISMS REPORTED - - -

NOV. 12, 1976
0911 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 53

- - - NO ORGANISMS REPORTED - - -

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 12, 1976
0912 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 52

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...SPIONIDA		
...UNKNOWN		1
...UNKNOWN		
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		3

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.8
 CLASS 0.8
 ORDER 0.8
 FAMILY 0.8
 GENERA 0.8
NOV. 12, 1976
0915 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 85

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...SPIONIDA		
...UNKNOWN		9
...UNKNOWN		

NOV. 12, 1976
0916 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 100

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..PHYLLODOCIDA		
...NEREIDAE		
...NEREIS		1

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 12, 1976
0917 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 96

ORGANISM_NAME	COMMON_NAME	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		7
...UNKNOWN		
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
..MYSIDACEA	MYSID SHRIMP	
...MYSIDAE		1
....TAPHROMYSIS		
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		1
....CORBICULA		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

NOV. 12, 1976
0920 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 2

ORGANISM_NAME	COMMON_NAME	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		24
...UNKNOWN		
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		70
....COROPHIUM		
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	8
....CLADOTANYTARSUS		2
....POLYPEDILUM		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.8
CLASS 1.2
ORDER 1.2
FAMILY 1.2
GENERA 1.3
INSECTA 0.7 GENERA

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 12, 1976
0921 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 22

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
...AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		17
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....EINFELDIA		1
NEMERTEA	RIBBON WORMS	
..ENOPLA		
..FORAMINIFERIDA		
...TETRASTEMMATIDAE		
....PROSTOMA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.3
 CLASS 0.6
 ORDER 0.6
 FAMILY 0.6
 GENERA 0.6
NOV. 12, 1976
0922 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 45

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
...NEREIDAE		
....NEREIS		2
..SPIONIDA		
...UNKNOWN		
....UNKNOWN		1
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
...AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		139
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CLADOTANYTARSUS		1
....POLYPEDILUM		1
NEMERTEA	RIBBON WORMS	
..ENOPLA		
..FORAMINIFERIDA		
...TETRASTEMMATIDAE		
....PROSTOMA		4

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.3
 CLASS 0.4
 ORDER 0.4
 FAMILY 0.4
 GENERA 0.5
 INSECTA 1.0 GENERA

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 11, 1977
0900 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 16

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...SPIONIDA		
...UNKNOWN		12
...UNKNOWN		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		60
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
...CRYPTOCHIRONOMUS		1
...POLYPEDILUM		3
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..PTERIOIDA		
...MACTRIDAE		
...RANGIA		1
NEMERTEA	RIBBON WORMS.	
..ANOPLA		
..PALEONEMERTEA		
...UNKNOWN		
...UNKNOWN 106020102001000		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.6
 CLASS 1.1
 ORDER 1.1
 FAMILY 1.1
 GENERA 1.2
 INSECTA 0.8 GENERA

FEB. 11, 1977
0901 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 16

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...SPIONIDA		
...UNKNOWN		3
...UNKNOWN		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		15
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
...CRYPTOCHIRONOMUS		2
...POLYPEDILUM		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..PTERIOIDA		
...MACTRIDAE		
...RANGIA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.8
 CLASS 1.4
 ORDER 1.4
 FAMILY 1.4
 GENERA 1.5
 INSECTA 0.9 GENERA

LOWER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER MAIN STEM
07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 11, 1977
0902 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 10

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
....UNKNOWN		2
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		5
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....POLYPEDILUM		3

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
PHYL/DIV 0.9
CLASS 1.5
ORDER 1.5
FAMILY 1.5
GENERA 1.5

FEB. 11, 1977
0905 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1500 DEPTH (FT) 41

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
....UNKNOWN		6
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....AULODRILUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
CLASS 0.6
ORDER 0.6
FAMILY 0.6
GENERA 0.6

FEB. 11, 1977
0906 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 44

- - - NO ORGANISMS REPORTED - - -

LOWER MISSISSIPPI RIVER BASIN

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MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 11, 1977
0907 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 43

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....COELOTANYPUS		1

FEB. 11, 1977
0910 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 51

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....AULODRILUS		1

FEB. 11, 1977
0911 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 52

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....AULODRILUS		1
NEMERTEA	RIBBON WORMS	
..ANOPLA		
...PALEONEMERTEA		
...UNKNOWN		
....UNKNOWN		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 11, 1977
0912 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 48

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		1
NEMERTEA	RIBBON WORMS	
..ANOPLA		
..PALEONEMERTEA		
...UNKNOWN		1
...UNKNOWN		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 1.0
 CLASS 1.0
 ORDER 1.0
 FAMILY 1.0
 GENERA 1.0
FEB. 11, 1977
0915 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 67

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
...UNKNOWN		11
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..PTERIOIDA		
...MACTRIDAE		
...RANGIA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

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

LOWER MISSISSIPPI RIVER BASIN

81

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 11, 1977
0916 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 66

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
...UNKNOWN		4
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...AULODRILUS		2
NEMERTEA	RIBBON WORMS	
..ANOPLA		
..PALEONEMERTEA		
...UNKNOWN		
...UNKNOWN		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.8
CLASS 1.5
ORDER 1.5
FAMILY 1.5
GENERA 1.5

FEB. 11, 1977
0917 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 62

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..SPIONIDA		
...UNKNOWN		
...UNKNOWN		13
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...AULODRILUS		11
NEMERTEA	RIBBON WORMS	
..ENOPLA		
..FORAMINIFERIDA		
...TETRASTEMMATIDAE		
...PROSTOMA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.2
CLASS 1.2
ORDER 1.2
FAMILY 1.2
GENERA 1.2

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 11, 1977
0920 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 2

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
...NEREIDAE		
....NEREIS		12
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		2
....UNKNOWN GENUS		17
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
...AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		35
...GAMMARIDAE		
....GAMMARUS		6
INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CLADOTANYTARSUS		93
....CRYPTOCHIRONOMUS		1
....DICROTENDIPES		1
....POLYPEDILUM		3

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.7
 CLASS 1.6
 ORDER 1.6
 FAMILY 1.7
 GENERA 2.0
 INSECTA 0.4 GENERA

FEB. 11, 1977
0921 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 2

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
...NEREIDAE		
....NEREIS		4
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		5
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
...AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		22
INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CLADOTANYTARSUS		117
....CRICOTOPUS		1
....DICROTENDIPES		1
....POLYPEDILUM		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.3
 CLASS 1.0
 ORDER 1.0
 FAMILY 1.0
 GENERA 1.1
 INSECTA 0.2 GENERA

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 11, 1977
0922 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 2

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
....NEREIDAE		12
.....NEREIS		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		15
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
...AMPHIPODA	SCUDS	
....COROPHIIDAE		27
.....COROPHIUM		
...GAMMARIDAE		1
....GAMMARUS		
..DECAPODA	DECAPODS	
...PORTUNIDAE		
....CALLINECTES		1
INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	39
....CLADOTANYTARSUS		1
....POLYPEDILUM		
NEMERTEA	RIBBON WORMS	
..ENOPLA		
...FORAMINIFERIDA		
....TETRASTEMMATIDAE		1
....PROSTOMA		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.9
 CLASS 1.9
 ORDER 2.0
 FAMILY 2.0
 GENERA 2.1
 INSECTA 0.2 GENERA

MAY 6, 1977
0840 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 7

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
....NEREIDAE		3
.....NEREIS		

MAY 6, 1977
0841 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 3

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
....NEREIDAE		1
.....NEREIS		

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 6, 1977

0842 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 15 DEPTH (FT) 4

- - - NO ORGANISMS REPORTED - - -

MAY 6, 1977

0845 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 41

- - - NO ORGANISMS REPORTED - - -

MAY 6, 1977

0846 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 42

- - - NO ORGANISMS REPORTED - - -

MAY 6, 1977

0847 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 43

- - - NO ORGANISMS REPORTED - - -

MAY 6, 1977

0850 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 46

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
....CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		1

MAY 6, 1977

0851 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 50

- - - NO ORGANISMS REPORTED - - -

MAY 6, 1977

0852 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 53

- - - NO ORGANISMS REPORTED - - -

LOWER MISSISSIPPI RIVER BASIN

85

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 6, 1977
0855 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 81

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...TEREBELLIDA		
...UNKNOWN		
...UNKNOWN		1

MAY 6, 1977
0856 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 83

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
...PHYLLODOCIDA		
...NEREIDAE		1
...NEREIS		
...SPIONIDA		
...UNKNOWN		
...UNKNOWN		14
NEMERTEA	RIBBON WORMS	
..ANOPLA		
..PALEONEMERTEA		1
...UNKNOWN		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.3
CLASS 0.3
ORDER 0.7
FAMILY 0.7
GENERA 0.7

MAY 6, 1977
0857 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 82

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..CIRRATULIDA		
...UNKNOWN		2
...UNKNOWN		
...TEREBELLIDA		
...UNKNOWN		4
NEMERTEA	RIBBON WORMS	
..ANOPLA		
..PALEONEMERTEA		
...UNKNOWN		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.8
CLASS 0.8
ORDER 1.5
GENERA 1.5

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 6, 1977
0900 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 6
- - - NO ORGANISMS REPORTED - - -MAY 6, 1977
0901 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 4

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		1

MAY 6, 1977
0902 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3100 DEPTH (FT) 4

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
..POLYCHAETA	POLYCHAETES	
..TEREBELLIDA		
...UNKNOWN		
....UNKNOWN		2
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
..AMPHIPODA	SCUDS	
...COROPHIIDAE		
....COROPHIUM		6

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.8
 CLASS 0.8
 ORDER 0.8
 FAMILY 0.8
 GENERA 0.8

MISSISSIPPI RIVER DELTA

87

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL./ 100 ML)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT												
15...	1110	6460	8.1	5	10	7.3	--	.5	--	67	610	470
NOV												
22...	0900	4040	7.8	--	15	9.9	--	2.3	950	73	480	390
DEC												
15...	1220	8250	7.0	15	8	10.4	--	2.2	580	88	280	170
JAN												
12...	1330	4430	7.6	0	20	--	--	--	2300	380	550	450
FEB												
15...	1410	5850	7.8	55	15	10.8	--	1.5	1800	280	660	560
MAR												
16...	1430	363	7.2	30	55	7.3	51	3.4	82000	81400	130	44
APR												
26...	1130	282	8.0	40	70	6.7	29	.5	2200	540	110	40
MAY												
26...	1310	1270	8.0	10	20	7.6	12	2.1	--	130	230	130
JUN												
17...	1120	5710	8.0	5	9	7.0	--	.7	380	860	670	560
JUL												
20...	1045	2930	8.0	10	30	6.2	--	.8	720	--	--	--
SEP												
02...	1100	5140	8.3	15	9	7.6	--	.9	1100	848	590	480
08...	0915	26500	7.8	20	5	7.7	--	1.2	--	--	3000	2900

DATE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT												
15...	13	140	172	0	310	1800	--	26	<1.0	.17	.02	.19
NOV												
22...	54	83	111	0	210	1000	--	29	--	.71	.01	.72
DEC												
15...	82	19	138	0	390	2500	--	14	<1.0	.45	.01	.46
JAN												
12...	63	95	120	0	230	1300	--	32	<1.0	.69	.01	.70
FEB												
15...	65	120	120	0	270	1800	--	34	<1.0	.46	.01	.47
MAR												
16...	34	10	100	0	50	34	--	--	<1.0	1.3	.04	1.3
APR												
26...	30	7.8	85	0	35	16	191	--	<1.0	1.1	.02	1.1
MAY												
26...	46	29	124	0	86	290	36	--	<1.0	.95	.00	.95
JUN												
17...	71	120	130	0	170	1700	16	--	<1.0	1.4	.02	1.4
JUL												
20...	--	--	122	0	--	--	--	--	<1.0	.85	.01	.86
SEP												
02...	71	100	133	0	260	1500	33	--	<1.0	.80	.03	.83
08...	200	600	105	0	1200	7900	13	--	<1.0	.06	.06	.12

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
OCT 15...	.76	.19	2	2	0	0	1	0	20	0	4	2
NOV 22...	--	.13	1	0	0	0	2	2	<10	0	6	3
DEC 15...	.66	.30	2	2	0	0	1	0	10	0	3	3
JAN 12...	.68	.31	2	1	0	0	2	2	10	0	--	--
FEB 15...	.76	.19	1	1	0	0	0	0	20	0	4	4
MAR 16...	1.5	.51	13	1	0	0	0	0	20	0	22	6
APR 26...	.85	.34	8	1	0	0	0	0	<10	0	7	5
MAY 26...	.42	.16	2	1	0	0	0	0	30	0	4	4
JUN 17...	.44	.20	2	2	0	0	0	0	10	0	8	8
JUL 20...	1.6	.18	2	1	10	10	0	0	10	0	4	4
SEP 02...	.49	.15	2	2	0	0	10	2	10	0	3	3
08...	.39	.06	1	0	20	0	20	1	0	0	30	4

DATE	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 15...	--	1	0	.2	.2	4	3	1	0	--	30	10
NOV 22...	10	5	2	.2	.1	13	2	0	0	--	20	10
DEC 15...	0	2	0	.0	.0	0	0	1	1	--	10	10
JAN 12...	10	2	0	.0	.0	6	6	0	0	--	30	20
FEB 15...	10	4	0	.0	.0	6	4	0	0	--	20	20
MAR 16...	20	23	0	.0	.0	25	4	0	0	1.0	70	20
APR 26...	20	6	0	.0	.0	10	2	0	0	1.0	30	10
MAY 26...	10	0	0	.0	.0	7	3	0	0	--	30	30
JUN 17...	20	0	0	.0	.0	10	4	0	0	--	10	10
JUL 20...	10	6	2	.2	.0	2	2	0	0	--	10	10
SEP 02...	20	3	1	.0	.0	3	2	1	0	--	20	20
08...	30	100	0	.0	.0	100	3	2	2	--	20	20

MISSISSIPPI RIVER DELTA

89

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 15...	17	.00	5	0	.0	.00	.00	.0	.00	.00	.00	.01
NOV 22...	4.6	.00	2	1	.0	.00	.00	.0	.00	.00	.00	.01
DEC 15...	6.0	.00	4	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 12...	6.0	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.00
FEB 15...	8.6	.00	4	0	.0	.00	.00	.0	.00	.00	.00	.00
MAR 16...	7.0	.00	0	2	.0	.00	.03	.0	.00	.00	.00	.00
APR 26...	7.2	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.01
MAY 26...	6.1	.00	0	1	.0	.00	.000	.0	.000	.000	.000	.00
JUN 17...	5.4	.00	0	--	.0	.00	.000	.0	.000	.000	.000	.00
JUL 20...	6.2	--	0	1	.0	.00	.000	.0	.000	.000	.000	.00
SEP 02...	3.9	.00	6	0	.0	.00	.000	.0	.000	.000	.000	.00
08...	7.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPCXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 15...	.00	--	<.01	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 26...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 26...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUN 17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 02...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
08...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 15...	.00	0	.00	.03	.00	.00	2.83	.000	--	--	--	--
NOV 22...	.00	0	.00	.00	.00	.00	--	--	1.34	.642	--	--
DEC 15...	.00	0	.00	.05	.01	.00	--	--	.88	.725	--	--
JAN 12...	.00	0	.00	.06	.04	.00	--	--	1.08	.672	--	--
FEB 15...	.00	0	.00	.08	.04	.00	--	--	--	--	.179	.036
MAR 16...	.00	0	.00	.03	.01	.00	--	--	--	--	--	--
APR 26...	.00	0	.00	.00	.00	.00	--	--	--	--	--	--
MAY 26...	.00	.0	.00	.02	.00	.00	--	--	--	--	.436	.024
JUN 17...	.00	.0	.00	.00	.00	.00	--	--	--	--	2.06	.272
JUL 20...	.00	.0	.00	.00	.00	.00	--	--	--	--	--	--
SEP 02...	.00	.0	.00	.01	.00	.03	--	--	--	--	2.25	.133
08...	.00	.0	.00	.00	.00	.00	--	--	--	--	.342	.043

MISSISSIPPI RIVER DELTA

91

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 15...	1130	6880	8.2	5	6	7.7	--	.7	8450	120	820	680
NOV 22...	0930	--	7.8	--	10	10.6	--	2.0	2000	92	750	660
DEC 15...	1300	5430	7.4	15	6	10.4	--	2.1	580	100	670	550
JAN 12...	1345	4820	7.6	5	15	--	--	--	3100	720	550	450
FEB 15...	1420	7260	7.9	0	15	10.4	--	1.5	380	350	800	700
MAR 16...	1415	364	7.5	60	90	7.2	44	3.2	3100	--	130	47
APR 26...	1115	278	7.9	40	65	6.8	26	.4	6500	600	110	38
MAY 26...	1325	837	8.1	20	20	7.9	10	1.8	--	90	190	91
JUN 17...	1140	4550	7.9	5	7	6.9	--	.5	500	97	540	430
JUL 20...	1100	3360	8.0	10	30	5.9	--	.7	81600	81600	420	320
SEP 02...	1130	2130	8.2	5	15	6.3	38	1.3	2500	0	300	200
08...	0930	43400	8.2	0	4	7.9	--	.9	--	--	5400	5300

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT 15...	80	150	170	0	340	2200	--	22	<1.0	.18	.02	.20
NOV 22...	70	140	111	0	310	1800	--	23	--	.87	.01	.88
DEC 15...	70	120	148	0	640	1400	--	10	<1.0	.54	.01	.55
JAN 12...	61	96	119	0	210	1300	--	24	<1.0	.69	.01	.70
FEB 15...	74	150	126	0	350	2300	--	22	<1.0	.47	.01	.48
MAR 16...	34	10	97	0	51	34	--	360	<1.0	1.3	.04	1.3
APR 26...	30	7.8	84	0	34	16	112	--	<1.0	1.1	.02	1.1
MAY 26...	45	20	126	0	70	160	16	--	<1.0	1.1	.00	1.1
JUN 17...	65	92	130	0	180	1300	13	--	<1.0	1.4	.01	1.4
JUL 20...	57	68	122	0	160	900	24	--	<1.0	.84	.01	.85
SEP 02...	51	43	128	0	150	670	33	--	<1.0	.98	.02	1.0
08...	360	1100	146	0	2300	16000	34	--	<1.0	.11	.04	.15

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
OCT 15...	.75	.16	2	2	10	10	0	0	20	0	2	2
NOV 22...	--	.13	1	0	0	0	0	0	10	0	4	4
DEC 15...	.83	.39	2	1	0	0	2	0	10	0	4	2
JAN 12...	.59	.44	2	1	0	0	0	0	20	0	5	5
FEB 15...	.81	.19	1	1	0	0	0	0	20	0	6	6
MAR 16...	.64	.71	10	1	0	0	0	0	20	0	22	20
APR 26...	.51	.20	4	1	0	0	0	0	<10	0	10	3
MAY 26...	.50	.16	2	1	0	0	0	0	10	0	3	4
JUN 17...	.46	.21	2	2	0	0	3	3	<10	0	6	6
JUL 20...	.30	.18	2	1	0	0	2	0	10	0	4	4
SEP 02...	.70	.17	2	2	10	0	10	1	0	0	20	4
08...	.55	.03	0	0	30	30	30	2	20	0	40	3

DATE	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 15...	230	0	0	.2	.2	4	2	1	1	--	30	10
NOV 22...	10	9	9	.2	.0	7	3	0	0	--	20	10
DEC 15...	0	2	0	.0	.0	2	2	1	1	--	20	10
JAN 12...	20	0	0	.0	.0	3	3	0	0	--	10	10
FEB 15...	10	3	0	.0	.0	5	3	0	0	--	10	10
MAR 16...	30	24	3	.0	.0	24	6	0	0	2.0	80	40
APR 26...	20	6	0	.0	.0	8	0	0	0	2.0	20	10
MAY 26...	10	2	0	.3	.0	6	2	0	0	--	40	20
JUN 17...	10	3	0	.2	.0	7	3	0	0	--	0	0
JUL 20...	10	3	3	.0	.0	9	2	0	0	--	10	0
SEP 02...	70	4	0	.0	.0	5	3	1	0	--	20	10
08...	20	300	1	.0	.0	200	2	0	0	--	30	20

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT												
15...	9.1	.00	3	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV												
22...	6.0	.00	2	0	.0	.00	.00	.0	.00	.00	.00	.01
DEC												
15...	4.7	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.01
JAN												
12...	5.7	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.00
FEB												
15...	9.2	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
MAR												
16...	--	.00	2	1	.0	.00	.00	.0	.00	.00	.00	.01
APR												
26...	8.1	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.01
MAY												
26...	6.5	.00	0	0	.0	.00	.000	.0	.000	.000	.000	.00
JUN												
17...	6.2	.00	1	--	.0	.00	.000	.0	.000	.000	.000	.00
JUL												
20...	5.2	.00	2	16	.0	.00	.000	.0	.000	.000	.000	.00
SEP												
02...	3.4	.00	6	0	.0	.00	.000	.0	.000	.000	.000	.00
08...	2.4	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT												
15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV												
22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC												
15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN												
12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB												
15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR												
16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR												
26...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY												
26...	.002	.000	.000	.00	.001	.000	.000	.00	.00	.00	.00	.00
JUN												
17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL												
20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP												
02...	.000	.000	.003	.00	.000	.000	.000	.00	.00	.00	.00	.00
08...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 15...	.00	0	.00	.04	.00	.00	6.39	2.68	--	--	--	--
NOV 22...	.00	0	.00	.00	.00	.00	--	--	.37	.117	--	--
DEC 15...	.00	0	.00	.09	.02	.00	--	--	.75	.291	--	--
JAN 12...	.00	0	.00	.06	.05	.00	--	--	1.40	1.05	--	--
FEB 15...	.00	0	.00	.06	.03	.00	--	--	--	--	.092	.000
MAR 16...	.00	0	.00	.06	.00	.00	--	--	--	--	1.12	.065
APR 26...	.00	0	.00	.00	.00	.00	--	--	--	--	--	--
MAY 26...	.00	.0	.00	.03	.01	.00	--	--	--	--	--	--
JUN 17...	.00	.0	.00	.00	.00	.00	--	--	--	--	1.66	.171
JUL 20...	.00	.0	.00	.00	.00	.00	--	--	--	--	--	--
SEP 02...	.00	.0	.00	.00	.00	.01	--	--	--	--	.503	.134
08...	.00	.0	.00	.00	.00	.00	--	--	--	--	1.26	.071

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (.7UM-MF (COL./ 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
NOV 22...	0950	8800	7.7	--	9	10.6	--	2.5	1800	63	1000	940
DEC 15...	1315	10200	7.3	10	5	10.6	--	2.3	580	80	1200	1100
JAN 12...	1400	10800	7.7	5	15	--	--	--	2600	450	1200	1100
FEB 15...	1435	10400	7.8	20	15	10.0	--	.9	1800	340	1100	1000
MAR 16...	1400	386	6.8	120	95	7.3	25	1.4	3400	1400	130	44
APR 28...	1200	3710	7.7	25	60	6.9	--	--	--	--	420	350
MAY 26...	1345	4620	8.1	20	20	8.4	--	1.9	--	34	580	470
JUN 17...	1155	12600	8.0	5	5	7.8	--	1.4	120	--	1500	1400
JUL 20...	1115	5570	7.9	10	20	6.6	--	.7	3300	83200	670	570
SEP 02...	1145	6630	8.2	5	15	6.5	--	.3	81700	0	750	640
08...	0950	2600	8.1	5	10	6.9	--	.2	--	--	340	250

DATE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)
NOV 22...	83	200	110	0	90	3.5	420	2700	--	14	--	.72
DEC 15...	97	240	146	0	120	12	470	3200	--	7	<1.0	.48
JAN 12...	100	230	124	0	102	4.0	480	3400	--	43	<1.0	.61
FEB 15...	92	220	120	0	98	3.0	480	3400	--	19	<1.0	.44
MAR 16...	34	9.9	100	0	82	25	50	34	--	188	<1.0	1.1
APR 28...	52	71	85	0	70	2.7	180	1000	93	--	<1.0	1.1
MAY 26...	66	100	128	0	110	1.6	240	1500	5	--	<1.0	.95
JUN 17...	110	290	130	0	110	2.1	590	4100	15	--	<1.0	.98
JUL 20...	70	120	120	0	98	2.4	260	1600	11	--	<1.0	.80
SEP 02...	84	130	129	0	110	1.3	330	2000	34	--	<1.0	.95
08...	54	50	110	0	90	1.4	150	710	10	--	<1.0	1.3

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
NOV 22...	.01	.73	--	.14	1	0	0	0	0	0	<10	0
DEC 15...	.01	.49	.71	.34	2	1	0	0	0	0	10	0
JAN 12...	.01	.62	.66	.43	1	1	0	0	0	0	10	0
FEB 15...	.01	.45	.75	.18	1	1	0	0	0	0	10	0
MAR 16...	.03	1.1	1.0	.24	5	1	0	0	0	0	20	0
APR 28...	.00	1.1	.75	.19	4	1	0	0	0	0	10	0
MAY 26...	.01	.96	.30	.15	2	1	0	0	0	0	30	0
JUN 17...	.01	.99	.46	.13	2	2	0	0	2	2	10	0
JUL 20...	.01	.81	.45	.16	1	1	0	0	2	0	10	0
SEP 02...	.02	.97	.70	.15	1	0	10	0	10	1	20	0
08...	.02	1.3	.47	.24	1	1	10	10	<10	1	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
NOV 22...	4	4	10	4	0	.0	.0	3	3	0	0	--
DEC 15...	3	2	10	2	0	.0	.0	2	2	1	1	--
JAN 12...	8	8	20	2	2	.2	.2	3	3	0	0	--
FEB 15...	3	3	20	2	0	.0	.0	6	3	0	0	--
MAR 16...	10	4	30	8	0	.0	.0	11	6	0	0	2.0
APR 28...	5	5	10	3	3	.0	.0	10	0	0	0	--
MAY 26...	4	4	20	2	0	.0	.0	7	1	0	0	--
JUN 17...	7	7	10	2	2	.2	.0	8	3	0	0	--
JUL 20...	5	5	10	5	5	.0	.0	5	0	0	0	--
SEP 02...	3	2	30	3	0	.0	.0	3	3	1	1	20
08...	5	5	40	2	0	.0	.0	3	3	0	0	--

MISSISSIPPI RIVER DELTA

97

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
NOV 22...	10	10	4.5	.00	4	0	.0	.00	.00	.0	.00	.00
DEC 15...	20	10	11	.00	4	0	.0	.00	.00	.0	.00	.00
JAN 12...	20	20	5.1	.00	0	1	.0	.00	.00	.0	.00	.00
FEB 15...	20	10	7.4	.00	2	1	--	--	--	--	--	--
MAR 16...	20	10	14	.00	0	1	.0	.00	.01	.0	.00	.00
APR 28...	20	10	11	.00	4	1	.0	.00	.00	.0	.00	.00
MAY 26...	40	30	5.7	.00	0	0	.0	.00	.000	.0	.000	.000
JUN 17...	10	10	7.0	.00	0	--	.0	.00	.000	.0	.000	.000
JUL 20...	10	10	6.3	.00	0	7	.0	.00	.000	.0	.000	.000
SEP 02...	10	10	3.1	.00	5	0	.0	.00	.000	.0	.000	.000
08...	20	20	4.5	.00	2	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
NOV 22...	.00	.02	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 15...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 12...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 15...	--	.02	--	--	--	.00	--	--	--	.00	--	.00
MAR 16...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 28...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 26...	.000	.00	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 17...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.000	.01	.004	.000	.002	.00	.000	.000	.000	.00	.00	.00
08...	.000	.00	.004	.000	.002	.00	.000	.000	.000	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV 22...	.00	.00	.00	0	.00	.01	.02	.00	.78	.468	--	--
DEC 15...	.00	.00	.00	0	.00	.06	.01	.00	.41	.234	--	--
JAN 12...	.00	.00	.00	0	.00	.06	.04	.00	2.15	.842	--	--
FEB 15...	.00	.00	.00	--	.00	.08	.03	.00	--	--	.826	.089
MAR 16...	.00	.00	.00	0	.00	.05	.01	.00	--	--	--	--
APR 28...	.00	.00	.00	0	.00	.00	.00	.00	--	--	.065	.000
MAY 26...	.00	.00	.00	.0	.00	.02	.00	.00	--	--	3.53	.148
JUN 17...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	1.19	.266
JUL 20...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	--	--
SEP 02...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	.043	.015
08...	.00	.00	.00	.0	.00	.02	.01	.02	--	--	.144	.001

MISSISSIPPI RIVER DELTA

99

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM 7UM-MF (COL./100 ML)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
NOV 22...	1310	11300	7.5	--	3	11.2	3.6	<10	<5	1300	1200	83
DEC 15...	0930	9510	7.1	10	5	11.2	2.5	1000	40	1000	1000	73
JAN 12...	0930	9160	7.2	5	6	--	--	<5	<5	1000	960	70
FEB 15...	1700	6960	7.4	5	4	10.6	1.5	0	0	760	720	55
MAR 16...	1645	3690	6.8	60	30	9.0	.7	8140	11	380	350	33
APR 28...	0725	5970	7.5	15	4	8.3	--	--	--	680	650	41
MAY 27...	1545	5270	7.2	20	5	--	--	<5	0	550	520	39
JUN 17...	1226	3770	7.3	15	5	7.9	.6	<5	0	360	330	29
JUL 20...	1330	8820	7.7	20	5	8.2	2.1	36	5	990	950	68
SEP 07...	0915	8330	7.2	5	10	7.6	1.0	<5	0	850	820	62

DATE	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
NOV 22...	260	56	0	46	2.8	510	3600	--	7	--	.02	.00
DEC 15...	210	54	0	44	6.9	410	3000	--	7	<1.0	.07	.01
JAN 12...	200	51	0	42	5.1	400	1200	--	21	<1.0	.02	.00
FEB 15...	150	46	0	38	2.9	320	2300	--	12	<1.0	.00	.01
MAR 16...	73	44	0	36	11	160	1100	--	30	<1.0	.30	.01
APR 28...	140	43	0	35	2.2	280	2000	18	--	<1.0	.05	.00
MAY 27...	110	34	0	28	3.4	230	1400	10	--	<1.0	.07	.00
JUN 17...	71	34	0	28	2.7	160	1000	3	--	<1.0	.01	.00
JUL 20...	200	49	0	40	1.6	370	2900	16	--	<1.0	.00	.00
SEP 07...	170	46	0	38	4.6	350	2600	17	--	--	.21	.05

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
NOV 22...	.02	--	.06	1	0	1	0	0	0	0	10	0
DEC 15...	.08	.76	.05	1	1	0	0	0	2	2	10	0
JAN 12...	.02	.41	.04	1	1	0	0	0	1	0	20	0
FEB 15...	.01	.60	.03	1	1	0	0	0	0	0	20	0
MAR 16...	.31	.75	.07	1	1	0	0	0	0	0	10	0
APR 28...	.05	1.0	.04	1	1	0	0	0	0	0	<10	0
MAY 27...	.07	.35	.03	2	2	0	0	0	0	0	<10	0
JUN 17...	.01	.56	.02	2	1	1	0	0	0	0	20	0
JUL 20...	.00	.63	.13	1	1	0	0	0	2	0	10	0
SEP 07...	.26	.72	.03	1	0	1	10	10	<10	1	0	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
NOV 22...	1	0	10	4	--	.0	.0	3	1	0	0	90
DEC 15...	4	4	10	2	0	.0	.0	2	1	0	0	20
JAN 12...	2	2	20	0	0	.0	.0	4	3	0	0	20
FEB 15...	4	4	20	2	0	.0	.0	10	2	0	0	10
MAR 16...	3	2	20	0	0	.0	.0	4	2	0	0	10
APR 28...	5	5	10	2	0	.2	.0	2	2	0	0	10
MAY 27...	3	3	20	0	0	.3	.0	5	0	0	0	30
JUN 17...	3	3	10	5	3	.0	.0	4	2	0	0	20
JUL 20...	2	2	10	5	5	.0	.0	7	0	0	0	20
SEP 07...	6	2	30	2	0	.0	.0	2	2	2	2	10

DATE	DIS- SOLVED ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
NOV 22...	10	80	5.1	.00	4	0	.0	.00	.00	.0	.00	.00
DEC 15...	10	10	7.6	.00	2	0	.0	.00	.00	.0	.00	.00
JAN 12...	10	10	5.2	.00	0	1	.0	.00	.00	.0	.00	.00
FEB 15...	10	0	7.8	.00	4	0	.0	.00	.00	.0	.00	.00
MAR 16...	10	0	5.6	.00	1	0	.0	.00	.00	.0	.00	.00
APR 28...	10	0	8.5	.00	3	0	.0	.00	.00	.0	.00	.00
MAY 27...	30	0	6.3	.00	0	1	.0	.00	.000	.0	.000	.000
JUN 17...	20	0	6.3	.00	1	2	.0	.00	.000	.0	.000	.000
JUL 20...	10	10	5.3	.00	0	7	.0	.00	.000	.0	.000	.000
SEP 07...	10	0	4.4	.00	6	0	.0	.00	.000	.0	.000	.000

MISSISSIPPI RIVER DELTA

101

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
NOV 22...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 15...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 12...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 15...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAR 16...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 28...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 27...	.000	.00	.004	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 17...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 07...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
NOV 22...	.00	.00	.00	0	.00	.05	.00	.00	.65	.468	--	--
DEC 15...	.00	.00	.00	0	.00	.00	.00	.00	.51	.174	--	--
JAN 12...	.00	.00	.00	0	.00	.00	.00	.00	1.50	.355	--	--
FEB 15...	.00	.00	.00	0	.00	.00	.00	.00	--	--	.990	.000
MAR 16...	.00	.00	.00	0	.00	.03	.00	.00	--	--	.718	.453
APR 28...	.00	.00	.00	0	.00	.00	.00	.00	--	--	.270	.070
MAY 27...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	.409	.106
JUN 17...	.00	.00	.00	.0	.00	.02	.00	.00	--	--	1.40	.140
JUL 20...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	--	--
SEP 07...	.00	.00	.00	.0	.00	.01	.00	.00	--	--	--	--

MISSISSIPPI RIVER DELTA

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.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum observed, 5,300 mg/L Oct. 18, 1977; minimum daily, 390 mg/L Apr. 29, 1975.

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

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

MISSISSIPPI RIVER DELTA

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

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

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

MISSISSIPPI RIVER DELTA

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 080902, 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 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
OCT 27...	1000	21700	7.7	10	5	7.7	1.4	1200	90	2500	2400	150
NOV 22...	1510	12700	7.4	--	3	9.9	3.4	89000	88	1400	1400	96
DEC 15...	1415	10800	7.1	15	4	10.8	2.7	2500	73	1200	1200	84
JAN 12...	1200	11800	7.4	10	7	--	--	2400	150	--	--	--
FEB 15...	1600	7080	7.8	30	10	10.8	2.0	814000	72	760	710	57
MAR 16...	1530	8360	7.8	10	7	10.0	1.5	520	110	910	860	66
APR 22...	1015	433	6.4	60	35	7.8	1.2	810000	--	44	31	4.4
MAY 26...	1500	5450	7.6	30	9	7.7	2.4	--	23	610	570	45
JUN 17...	1015	6780	7.4	25	3	7.3	1.3	40	<5	700	680	51
JUL 20...	0945	9220	7.6	20	6	7.7	2.0	24	3	1000	960	69
SEP 02...	1300	11000	8.0	10	5	7.7	.8	6800	18	1200	1100	86
08...	1050	13000	8.1	0	8	7.5	.3	--	--	1400	1300	120

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT 27...	520	88	0	72	2.8	930	7100	--	11	<1.0	.06	.01
NOV 22...	290	62	0	51	3.9	560	4200	--	16	--	.08	.00
DEC 15...	250	60	0	49	7.6	480	3500	--	5	<1.0	.10	.01
JAN 12...	--	76	0	62	4.8	520	3900	--	27	<1.0	.13	.01
FEB 15...	150	64	0	53	1.6	320	1900	--	25	<1.0	.02	.00
MAR 16...	180	56	0	46	1.4	370	2700	--	9	<1.0	.02	.00
APR 22...	7.9	15	0	12	9.6	18	100	45	--	<1.0	.11	.01
MAY 26...	120	46	0	38	1.8	240	1600	7	--	<1.0	--	--
JUN 17...	140	35	0	29	2.2	180	2100	10	--	<1.0	.00	.00
JUL 20...	200	49	0	40	2.0	410	2900	11	--	<1.0	.01	.01
SEP 02...	230	57	0	47	.9	500	3500	20	--	<1.0	.08	.00
08...	270	118	0	97	1.5	600	3800	16	--	<1.0	.99	.01

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT 27...	.07	1.1	.00	1	1	10	0	2	2	<10	0	7
NOV 22...	.08	--	.05	0	0	0	0	0	0	<10	0	2
DEC 15...	.11	.76	.07	2	1	0	0	1	0	10	0	4
JAN 12...	.14	.54	.11	1	0	0	0	0	0	20	0	4
FEB 15...	.02	.62	.11	1	1	0	0	0	0	20	0	4
MAR 16...	.02	.54	.03	1	1	0	0	0	0	10	0	3
APR 22...	.12	1.1	.09	2	1	0	0	0	0	10	0	2
MAY 26...	--	--	--	2	1	0	0	0	0	10	0	4
JUN 17...	.00	1.1	.08	2	2	0	0	3	3	<10	0	2
JUL 20...	.02	.31	.04	1	1	0	0	3	3	10	0	5
SEP 02...	.16	.87	.08	1	1	0	0	10	1	10	0	2
08...	1.0	.21	.22	1	1	10	10	10	1	10	0	4

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 27...	7	20	3	0	.1	.1	4	4	0	0	30	30
NOV 22...	2	10	3	0	.0	.0	4	2	0	0	10	10
DEC 15...	2	0	4	0	.0	.0	1	0	1	0	20	10
JAN 12...	4	20	2	0	.0	.0	32	2	0	0	10	10
FEB 15...	4	20	4	2	.1	.0	4	3	0	0	0	0
MAR 16...	2	10	0	0	.0	.0	3	0	0	0	20	10
APR 22...	--	250	3	3	.0	.0	3	0	0	0	20	20
MAY 26...	4	20	3	0	.0	.0	6	5	0	0	30	30
JUN 17...	--	10	0	0	.1	.0	7	4	0	0	10	10
JUL 20...	5	10	5	5	.0	.0	7	0	0	0	10	10
SEP 02...	2	20	3	0	.0	.0	2	2	0	0	20	20
08...	2	20	1	1	.0	.0	4	2	0	0	20	20

30020509001500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 27...	5.1	.00	4	1	.0	.00	.00	.0	.00	.00	.00	.00
NOV 22...	5.1	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
DEC 15...	7.9	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.01
JAN 12...	6.1	.00	0	1	.0	.00	.00	.0	.00	.00	.00	.00
FEB 15...	8.6	.00	4	0	--	--	--	--	--	--	--	.02
MAR 16...	4.2	.00	0	--	.0	.00	.00	.0	.00	.00	.00	.00
APR 22...	7.6	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
MAY 26...	--	--	--	--	.0	.00	.000	.0	.000	.000	.000	.00
JUN 17...	5.6	.00	0	2	.0	.00	.000	.0	.000	.000	.000	.00
JUL 20...	5.3	.00	2	6	.0	.00	.000	.0	.000	.000	.000	.00
SEP 02...	6.5	.00	5	0	.0	.00	.000	.0	.000	.000	.000	.01
08...	3.3	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDC- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 27...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 15...	--	--	--	.00	--	--	--	.00	--	.00	.00	.00
MAR 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 26...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUN 17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 02...	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00	.00	.00
08...	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

MISSISSIPPI RIVER DELTA

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30020509001500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	0	.00	.12	.00	.00	.000	.000	--	--	--	--
NOV 22...	.00	0	.00	.08	.00	.00	--	--	1.58	.525	--	--
DEC 15...	.00	0	.00	.00	.00	.00	--	--	.82	.291	--	--
JAN 12...	.00	0	.00	.03	.03	.00	--	--	2.87	.400	--	--
FEB 15...	.00	--	.00	.04	.00	.00	--	--	--	--	3.04	.270
MAR 16...	.00	0	.00	.04	.01	.00	--	--	--	--	.534	.236
APR 22...	.00	0	.00	--	--	--	--	--	--	--	.036	.006
MAY 26...	.00	.0	.00	.06	.00	.00	--	--	--	--	2.09	.295
JUN 17...	.00	.0	.00	.02	.00	.00	--	--	--	--	1.37	.220
JUL 20...	.00	.0	.00	.00	.00	.00	--	--	--	--	--	--
SEP 02...	.00	.0	.00	.02	.00	.00	--	--	--	--	.368	.060
08...	.00	.0	.00	.01	.01	.01	--	--	--	--	.057	.005

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL./ 100 ML)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
OCT												
15...	1010	26200	7.9	10	4	8.8	.5	B150	160	3100	3000	210
NOV												
22...	1455	21100	7.5	--	3	9.8	3.3	B12000	96	2600	2500	180
DEC												
15...	1145	15200	7.1	20	4	10.2	2.7	1400	100	1700	1700	110
JAN												
12...	1015	12600	7.4	15	6	--	--	1400	B30	--	--	--
FEB												
15...	1630	18900	7.7	30	6	9.8	1.9	5500	B320	2100	2000	130
MAR												
16...	1520	10700	7.4	--	9	8.6	1.1	B120	69	1200	1100	84
APR												
22...	1000	7630	7.6	15	10	9.6	1.5	B13000	B500	900	850	64
MAY												
26...	1225	11500	7.5	30	5	5.3	1.4	--	--	1300	1200	89
JUN												
17...	1030	23000	7.6	5	4	5.4	1.2	--	B80	2700	2600	160
JUL												
20...	1000	25300	7.7	15	5	4.1	1.6	1700	B67	2900	2800	150
SEP												
02...	1030	18100	7.9	20	3	5.9	1.8	1900	0	2000	1900	140
08...	0850	27100	7.6	30	5	6.6	2.1	--	--	3100	3000	200

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT												
15...	630	108	0	89	2.2	1200	9000	--	39	<1.0	.03	.03
NOV												
22...	510	94	0	77	4.8	940	7100	--	25	--	.10	.01
DEC												
15...	350	76	0	62	9.7	680	5100	--	7	<1.0	.09	.01
JAN												
12...	--	72	0	59	4.6	550	4300	--	31	<1.0	.09	.01
FEB												
15...	420	88	0	72	2.8	880	6700	--	47	<1.0	.05	.01
MAR												
16...	240	73	0	60	4.6	470	3500	--	19	<1.0	.18	.01
APR												
22...	180	58	0	48	2.3	330	2400	15	--	<1.0	.15	.01
MAY												
26...	250	76	0	62	3.8	500	3900	20	--	<1.0	.08	.01
JUN												
17...	560	93	0	76	3.7	1100	8400	17	--	<1.0	.12	.02
JUL												
20...	620	98	0	80	3.1	1200	8800	19	--	<1.0	.08	.01
SEP												
02...	400	89	0	73	1.8	830	6000	18	--	<1.0	.09	.11
08...	630	92	0	75	3.7	1100	9300	9	--	<1.0	.83	.05

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 15...	.06	.89	--	1	1	0	0	0	3	0	20	0
NOV 22...	.11	--	.07	1	0	1	0	0	0	0	<10	0
DEC 15...	.10	.89	.07	2	2	0	10	0	3	3	10	0
JAN 12...	.10	.44	.09	1	0	1	0	0	0	0	10	0
FEB 15...	.06	.53	.10	1	1	0	0	0	0	0	20	0
MAR 16...	.19	.73	.22	1	1	0	0	0	0	0	10	0
APR 22...	.16	.68	.44	2	1	1	0	0	0	0	10	0
MAY 26...	.09	.58	.09	1	1	0	0	0	4	4	10	0
JUN 17...	.14	.73	.09	2	2	0	0	0	2	2	10	0
JUL 20...	.09	.49	.09	1	0	1	0	0	0	0	20	0
SEP 02...	.20	.86	.13	1	1	0	0	0	30	16	0	0
08...	.88	.80	.26	0	0	0	20	20	20	2	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT 15...	8	3	210	0	0	.2	.2	4	2	0	0	30
NOV 22...	4	4	30	3	0	.0	.0	4	2	0	0	20
DEC 15...	5	5	10	10	10	.0	.0	2	0	0	0	30
JAN 12...	3	3	20	0	0	.0	.0	5	5	0	0	10
FEB 15...	7	7	20	5	0	.0	.0	6	3	0	0	20
MAR 16...	4	3	20	0	0	.0	.0	6	4	0	0	10
APR 22...	4	4	20	0	0	.0	.0	3	0	0	0	20
MAY 26...	6	6	20	0	0	.0	.0	7	5	0	0	40
JUN 17...	--	11	20	3	3	.2	.0	7	3	0	0	20
JUL 20...	3	3	20	5	5	.0	.0	4	2	0	0	10
SEP 02...	50	6	40	100	2	.0	.0	<50	3	1	0	40
08...	30	9	40	200	2	.0	.0	100	3	1	1	30

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 15...	20	10	10	.00	7	0	.0	.00	.00	.0	.00	.00
NOV 22...	10	10	4.9	.00	0	0	.0	.00	.00	.0	.00	.00
DEC 15...	10	20	8.8	.00	0	0	.0	.00	.00	.0	.00	.00
JAN 12...	10	0	5.2	.00	0	2	.0	.00	.00	.0	.00	.00
FEB 15...	20	0	9.2	.00	7	0	.0	.00	.00	.0	.00	.00
MAR 16...	10	0	4.1	.00	0	1	.0	.00	.00	.0	.00	.00
APR 22...	20	0	5.7	.00	3	0	.0	.00	.00	.0	.00	.00
MAY 26...	40	0	7.1	.00	0	0	.0	.00	.000	.0	.000	.000
JUN 17...	20	0	4.6	.00	0	2	.0	.00	.000	.0	.000	.000
JUL 20...	10	0	7.2	.00	2	7	.0	.00	.000	.0	.000	.000
SEP 02...	40	0	5.9	.00	7	0	.0	.00	.000	.0	.000	.000
08...	30	0	9.8	.00	1	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
OCT 15...	.00	.01	.00	--	<.01	.00	.00	.00	.00	.00	--	.00
NOV 22...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 15...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 12...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 15...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAR 16...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 22...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 17...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
08...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 15...	.00	.00	.00	0	.00	.02	.00	.00	--	--	--	--
NOV 22...	.00	.00	.00	0	.00	.04	.00	.00	1.15	.304	--	--
DEC 15...	.00	.00	.00	0	.00	.00	.00	.00	.78	.234	--	--
JAN 12...	.00	.00	.00	0	.00	.00	.00	.00	1.76	1.00	--	--
FEB 15...	.00	.00	.00	0	.00	.03	.00	.00	--	--	.882	.021
MAR 16...	.00	.00	.00	0	.00	.02	.03	.00	--	--	1.34	.292
APR 22...	.00	.00	.00	0	.00	.03	.00	.00	--	--	.014	.002
MAY 26...	.00	.00	.00	.0	.00	.04	.00	.00	--	--	.340	.040
JUN 17...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	--	--
JUL 20...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	--	--
SEP 02...	.00	.00	.00	.0	.00	.03	.00	.00	--	--	.146	.048
08...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	.591	.083

MISSISSIPPI RIVER DELTA

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.--

CHLORIDE: Maximum daily, 8,100 mg/L Sept. 1, 1977; minimum daily, 390 mg/L May 3, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.5°C July 7, 26, 30, Aug. 7; minimum daily, 4.0°C Jan. 19.

CHLORIDE: Maximum daily, 8,100 mg/L Sept. 1; minimum daily, 1,700 mg/L May 13, June 21.

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

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

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5200	5300	---	4100	3400	2600	2700	2000	2200	4900	4400	8100
2	5300	4700	---	4400	3100	3000	2700	2200	2200	4400	4000	7500
3	5300	4800	---	4000	3000	4300	2700	1900	2200	4800	6200	6900
4	5000	5000	---	4000	3800	4700	2700	1800	2400	5800	6400	7100
5	5000	5000	---	4000	2600	4100	2600	1800	2300	5800	6500	7600
6	6400	5600	---	3800	2700	4300	2600	1900	2200	5300	7000	4700
7	6400	5700	---	3600	2800	3400	2800	2000	2000	3800	6800	3800
8	6500	5500	---	3600	2800	2700	2800	1900	2400	3500	6700	3200
9	6500	5400	---	3600	2800	2700	2800	1900	2000	4400	6400	2900
10	5000	5800	---	3500	2800	3400	3000	1900	2300	5500	6500	2800
11	5500	5800	---	3500	2800	3600	3400	1900	2200	5900	6900	2900
12	5500	5900	---	3600	2700	2800	3300	2000	2200	6100	6700	2900
13	6300	6300	---	3800	2800	2900	2900	1700	3000	5000	6800	2900
14	6400	6400	---	3600	2700	2900	2700	1800	2400	6700	5900	3100
15	6000	6200	---	3400	2700	2800	2200	3500	3000	5800	4600	3100
16	6000	6100	---	3400	2600	2700	2400	1800	3100	6600	4700	3300
17	6400	6000	---	3200	2600	2800	2300	1900	3000	7200	4600	3600
18	6300	6000	---	3300	2900	2900	3000	1900	2800	7600	3300	3300
19	6300	6100	---	3000	3200	2800	2200	1900	2400	7200	3400	3300
20	6400	6000	---	3000	3500	2800	4000	1800	1400	6400	3300	3300
21	6400	---	3600	2900	3600	3000	2900	1900	1700	5300	3900	3400
22	5400	---	4000	3100	3800	2600	2200	1800	2000	4700	4100	3200
23	5500	---	4200	3300	4100	3500	1900	1900	2600	4300	3500	3000
24	6400	---	4200	3100	3900	3100	2000	1800	2000	3700	3900	3400
25	6500	---	4200	2900	2400	3400	2000	1900	2200	4800	3400	3200
26	6400	---	3700	3000	3000	2100	2100	1900	2000	4900	3400	3300
27	6100	---	3600	3200	2400	3100	2000	1900	2400	5100	4100	3000
28	6100	---	3600	3200	3100	2200	2000	2200	4200	4800	6100	2900
29	6600	---	3200	3100	---	2200	1900	1900	5100	4700	5900	3900
30	6600	---	3000	3200	---	2200	2000	1900	4800	4900	5800	4200
31	5400	---	3900	3500	---	2600	---	2600	---	3400	6100	---

MISSISSIPPI RIVER DELTA

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.--

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, 32.0°C July 20; minimum observed, 9.5°C Feb. 8, 16, 17.

CHLORIDE: Maximum daily, 16,000 mg/L June 29, 30, July 1-4, 7-9, 12; minimum daily, 2,300 mg/L Dec. 24, 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	17.0	13.0	13.0	11.5	14.5	21.0	25.0	29.0	30.0	31.5	29.5
2	27.0	18.0	12.0	13.0	11.0	15.0	20.0	25.0	29.0	30.5	31.5	29.5
3	27.0	17.0	12.0	13.0	10.5	16.0	19.5	25.0	29.0	30.5	31.5	29.5
4	26.0	18.0	11.0	13.0	10.5	16.0	19.0	25.0	29.0	30.0	31.0	29.5
5	27.0	18.0	11.0	---	10.5	16.0	19.0	25.0	29.5	30.0	31.0	29.0
6	28.0	17.0	11.0	---	10.0	16.0	19.5	25.0	29.0	30.5	31.0	29.0
7	27.0	18.0	---	---	10.5	17.0	20.0	26.0	29.0	30.5	30.5	29.0
8	26.0	17.0	14.0	---	9.5	15.0	20.5	26.0	29.5	30.0	30.0	29.0
9	24.0	16.0	15.0	---	10.5	14.5	20.5	25.5	29.5	30.0	30.0	29.0
10	20.0	15.0	16.0	---	11.0	15.0	21.0	25.5	30.0	30.0	30.0	29.0
11	19.0	15.0	16.0	---	10.5	16.5	21.0	26.0	30.0	30.5	30.0	29.5
12	19.0	14.0	17.0	---	10.0	17.0	21.5	26.0	30.0	30.5	30.0	29.5
13	20.0	14.0	16.0	---	11.0	17.0	21.5	25.5	29.5	30.0	30.0	29.5
14	20.0	13.0	15.0	---	12.5	16.5	---	25.5	29.5	30.5	30.0	29.5
15	19.0	13.0	14.0	---	10.5	17.0	21.5	25.5	29.0	30.5	30.0	29.5
16	19.0	13.0	13.0	---	9.5	17.0	23.0	25.5	29.5	30.5	30.0	29.5
17	20.0	12.0	13.0	13.0	9.5	17.5	23.0	25.5	30.0	30.5	30.0	29.5
18	19.0	---	14.0	12.0	10.5	17.5	23.0	25.5	30.0	31.0	30.0	29.5
19	18.0	---	13.0	11.5	11.0	17.5	23.0	26.0	30.0	31.0	30.0	29.5
20	18.0	14.0	13.0	11.0	11.5	17.5	23.0	26.0	30.0	32.0	30.0	29.0
21	17.0	13.0	12.0	13.5	12.5	18.5	23.5	26.5	30.0	31.0	30.0	29.0
22	18.0	13.0	13.0	14.0	13.0	19.0	23.5	26.5	30.0	31.0	29.5	29.0
23	19.0	13.0	14.0	12.0	14.5	19.0	24.0	27.0	30.0	31.0	29.5	29.0
24	19.0	14.0	13.0	12.0	14.5	19.5	24.0	27.0	30.0	31.5	29.0	29.0
25	18.0	13.0	13.0	12.0	15.0	18.5	24.5	27.5	30.5	31.5	29.0	30.0
26	17.0	14.0	14.0	13.0	15.0	15.5	24.5	28.0	30.5	31.0	29.0	30.0
27	17.0	15.0	14.0	13.5	---	14.0	25.0	28.0	30.5	31.0	29.0	30.0
28	18.0	15.0	15.0	---	---	13.5	25.0	28.5	30.5	31.0	29.5	30.0
29	18.0	16.0	15.0	---	---	19.0	24.5	29.0	30.5	31.0	29.5	---
30	19.0	15.0	14.0	---	---	20.0	---	29.0	30.5	31.0	29.5	---
31	19.0	---	15.0	---	---	19.5	---	27.5	---	31.5	---	---

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9300	7500	5700	7300	4100	8700	8400	3800	8000	16000	7500	
2	9500	7400	5800	7400	4200	8800	7400	3800	7700	16000	7500	
3	9200	7400	6000	7400	4000	8800	8400	3900	7400	16000	11000	
4	9600	7400	6100	7300	4000	8600	8500	3800	7100	16000	13000	
5	9600	7400	6000	---	4200	8700	6400	3900	7500	15000	12000	
6	9600	8000	6100	---	4200	8800	6300	3400	7500	13000	11000	
7	9500	8000	---	---	4100	8800	6400	3800	7100	16000	12000	
8	9500	7900	5400	---	6800	8800	6400	3800	7500	16000	11000	
9	9400	7500	5300	---	4200	8800	6400	3900	7500	16000	11000	
10	9400	7400	5300	---	6500	8800	7100	3900	7000	13000	11000	
11	9400	7500	5400	---	6600	8700	7200	5800	7500	12000	11000	
12	9200	7400	5400	---	6600	8900	7100	5800	7900	16000	11000	
13	9300	7500	5400	---	4200	8800	7200	5800	5900	15000	12000	
14	9500	7400	5400	---	6600	8800	---	6000	5200	16000	9800	
15	9500	7400	5300	---	6600	8800	7100	5800	5200	15000	10000	
16	9600	7400	5500	---	6400	8700	4500	5800	13500	10000	9900	
17	9500	7600	5400	6600	4200	8600	4600	5800	13000	10000	9000	
18	9400	---	5500	6500	6800	8500	4600	5900	13000	10000	11000	
19	9500	---	5500	6600	4100	8600	4600	8100	13000	11000	7100	
20	8200	7600	4400	6600	6600	8400	4600	8000	13000	10000	9100	
21	8200	7600	4500	6700	6600	8600	4700	8000	13000	12000	6700	
22	9300	7700	4400	6700	6600	8600	4600	8000	13000	12000	6200	
23	9300	7700	4000	6600	6500	8700	4600	8000	13000	11000	7200	
24	9200	7700	2300	6600	6500	8700	4600	8100	13000	10000	9400	
25	8300	7700	2400	6600	6600	8500	4700	8000	13000	11000	9500	
26	8300	5700	2400	6600	6500	8600	4600	7900	13000	11000	9600	
27	9200	5600	2400	6700	---	8500	4600	8100	13000	11000	11000	
28	9000	5800	2300	---	---	8600	4600	8000	13000	11000	3900	
29	9000	5700	2400	---	---	8700	3600	8000	16000	12000	3800	
30	7400	5700	7100	---	---	8600	---	8000	16000	11000	5400	
31	7300	---	7300	---	---	8700	---	8000	---	7700	---	

MISSISSIPPI RIVER DELTA

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.--

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, 31.5°C July 5; minimum daily, 5.0°C Jan. 20.

CHLORIDE: Maximum daily, 10,000 mg/L Apr. 21; minimum daily, 280 mg/L Feb. 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	15.5	8.5	9.0	6.0	15.0	21.5	23.5	29.0	31.0	30.5	27.0
2	24.5	15.5	8.5	9.0	7.5	15.5	23.0	23.0	24.0	31.0	30.0	27.5
3	24.5	15.0	8.5	8.5	8.0	17.0	24.0	23.0	24.5	30.0	30.5	27.5
4	25.0	16.0	9.5	9.5	9.5	17.5	24.0	23.0	24.5	31.0	28.5	27.0
5	25.0	15.0	10.0	10.5	8.0	17.5	20.5	24.5	30.5	31.5	28.0	25.5
6	24.5	14.0	10.5	10.5	7.5	15.0	19.5	25.5	29.5	30.5	28.0	25.0
7	22.5	15.0	11.5	11.5	7.5	13.5	20.0	26.5	24.5	31.0	29.0	27.0
8	21.0	14.5	9.0	13.0	8.0	14.0	21.5	26.5	26.0	30.5	29.5	27.5
9	18.0	16.0	9.5	8.0	9.0	14.5	22.0	27.5	27.5	31.0	29.5	27.0
10	17.0	16.5	10.5	9.0	9.5	15.5	22.0	26.5	26.5	24.5	29.0	27.0
11	18.0	17.0	13.0	7.0	11.5	13.5	22.0	25.5	24.0	24.5	27.5	27.0
12	19.0	15.5	15.0	7.0	13.5	19.0	22.0	24.5	24.0	24.0	26.5	27.0
13	19.5	12.5	13.5	7.0	13.5	17.5	23.0	24.5	24.0	24.5	27.0	27.0
14	20.0	11.0	12.5	9.5	12.5	18.0	23.0	25.5	24.0	30.5	24.5	27.0
15	21.0	11.0	12.5	10.0	13.0	20.0	23.0	25.5	24.0	30.0	24.5	26.0
16	22.0	11.0	12.0	9.0	12.0	20.0	23.0	26.0	24.0	30.5	29.5	28.0
17	20.0	11.5	12.0	5.5	11.0	20.5	23.5	27.0	24.5	24.0	29.5	28.0
18	17.5	11.5	13.0	5.0	12.0	21.5	23.5	24.0	30.0	24.5	29.0	24.0
19	18.5	13.0	13.5	--	14.0	23.0	24.0	27.0	24.5	24.5	24.0	27.5
20	18.5	13.0	15.5	3.0	13.5	22.0	23.5	26.5	24.5	30.0	24.0	29.0
21	15.5	13.5	10.5	4.0	13.5	21.5	23.0	27.0	24.5	29.0	28.0	29.5
22	15.5	12.0	9.0	6.5	14.0	20.0	22.0	27.0	30.0	24.5	27.5	29.0
23	17.0	11.5	9.5	7.0	16.5	17.5	24.0	27.0	31.0	30.0	26.5	29.0
24	19.0	11.5	8.5	9.5	16.5	18.5	23.0	27.0	31.0	30.5	26.5	29.0
25	20.0	11.5	11.0	7.5	16.0	19.5	22.0	27.0	30.5	31.0	26.5	29.0
26	18.0	13.5	11.0	7.5	18.5	20.0	22.0	27.5	31.0	31.0	26.5	29.0
27	16.5	16.0	11.5	10.0	17.5	20.0	23.0	28.0	31.0	30.0	26.5	29.5
28	14.5	16.5	12.0	12.0	15.5	20.0	23.0	28.0	30.5	30.5	27.0	30.0
29	15.0	10.0	11.5	8.5	--	21.5	23.0	28.0	24.5	30.5	27.0	30.0
30	16.5	8.0	11.5	8.5	--	21.0	23.5	29.0	30.5	30.5	27.5	30.0
31	16.0	--	12.5	6.0	--	23.0	--	29.0	--	30.5	27.0	--

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	2000	1500	850	750	460	1600	3000	2500	3700	2300	6900
2	2200	840	1600	850	1000	480	3400	4000	2700	2000	1900	6000
3	1900	2200	1500	800	940	1100	4200	3600	2800	2300	2900	3700
4	3100	2600	1500	800	960	3700	6200	4100	2900	2800	2900	3400
5	3000	3200	1400	770	400	1300	4000	3100	3000	3900	3600	5800
6	4400	3200	1400	540	300	810	1900	3100	3100	2900	4000	6500
7	2600	3000	1700	690	350	660	1300	2800	3300	2100	3900	3000
8	2900	2200	1200	660	350	690	1200	2500	4700	2100	3900	2400
9	1800	2800	1300	610	350	660	620	2400	3200	2800	3600	2200
10	2500	2800	1200	600	300	660	1900	2500	3200	3200	3500	2000
11	2200	2900	1200	650	500	760	1300	2600	3800	3500	4100	2000
12	2600	5900	1200	680	470	1700	1600	2700	3900	3500	4700	2000
13	2900	3400	830	700	480	360	1600	2700	3800	3500	4500	1900
14	3500	2800	1000	620	380	550	2000	2300	4000	3600	3500	1500
15	3600	2900	930	380	350	580	2300	2400	4100	3200	1900	---
16	3500	4600	620	300	280	500	2800	2500	3700	3700	1900	1600
17	2400	4600	1000	600	350	500	3500	2500	2500	3700	1800	1700
18	2000	4600	1200	620	310	600	5300	2800	2800	4000	1400	2100
19	2700	4100	1000	---	350	550	5800	3000	2800	4100	1400	2100
20	4400	4000	1000	600	410	1600	8700	2800	2200	4200	1400	2000
21	2100	4000	1100	510	480	950	10000	2700	2300	4400	1700	2000
22	2800	2300	1100	520	290	550	9100	3200	2200	3400	1600	1800
23	3000	2000	1100	530	490	550	3300	3200	2400	3900	900	1900
24	3700	1800	1100	550	1900	950	3000	2900	2800	4300	800	1800
25	3400	1600	950	520	1600	920	2300	2400	1200	3800	580	1800
26	3200	1600	450	520	2200	940	2500	2400	1200	4400	440	1700
27	4600	1900	970	560	2400	940	2600	2400	2300	4000	700	1900
28	3900	2200	630	890	690	2300	2700	2400	3000	4200	1800	1800
29	3800	1200	800	1100	---	3400	2800	2500	3100	4300	1800	1800
30	3400	1500	900	920	---	4500	2900	2500	3700	3900	2100	1900
31	2400	---	800	1400	---	3800	---	2600	---	2500	3400	---

MISSISSIPPI RIVER DELTA

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 at mean sea level (Corps of Engineers bench mark, levels by Louisiana Department of Transportation and Development, Office of Public Works).

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 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--20 years, 252 ft³/s (7.137 m³/s), 182,600 acre-ft/yr (225 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 600 ft³/s (17.0 m³/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 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	376	262	207	183	195	232	278	147	252	245	201
2	209	269	259	208	183	195	239	322	151	199	210	199
3	209	290	259	208	184	267	245	275	187	200	210	200
4	209	343	259	208	183	361	252	269	209	200	210	201
5	210	369	259	203	183	255	252	270	194	201	210	185
6	245	372	265	193	197	207	255	184	194	203	210	167
7	269	376	274	193	251	207	259	166	194	203	205	154
8	209	379	267	193	216	211	255	255	194	203	200	158
9	209	379	262	193	194	214	252	261	194	207	200	188
10	209	384	262	193	194	204	252	275	242	208	200	199
11	209	388	265	192	194	216	245	352	311	208	200	199
12	254	393	264	192	194	227	254	374	325	208	200	214
13	356	399	265	193	194	228	257	379	270	209	245	196
14	364	401	272	194	194	244	257	377	201	208	245	175
15	342	396	204	193	194	247	259	377	200	207	245	165
16	272	389	198	190	194	249	261	379	201	207	215	161
17	207	388	207	144	194	252	272	251	201	204	205	162
18	208	381	207	176	194	254	281	197	201	205	205	177
19	208	408	208	219	194	254	274	204	201	205	200	200
20	208	425	209	350	194	255	319	200	201	207	200	199
21	208	396	208	367	232	255	234	204	200	204	200	200
22	208	379	208	381	326	255	222	200	200	204	200	200
23	209	369	209	389	257	255	301	200	200	204	200	200
24	209	367	209	211	195	255	287	200	200	204	200	200
25	287	364	200	182	197	254	270	197	200	201	205	200
26	372	369	189	182	194	254	254	197	200	213	200	201
27	376	372	208	182	154	251	230	195	200	247	205	201
28	379	401	208	182	183	249	199	195	250	247	210	203
29	349	405	208	182	---	242	193	197	308	247	205	221
30	356	329	208	182	---	237	194	189	312	247	205	258
31	384	---	207	182	---	234	---	148	---	255	204	---
TOTAL	8152	11256	7189	6664	5646	7483	7556	7767	6488	6617	6494	5784
MEAN	263	375	232	215	202	241	252	251	216	213	209	193
MAX	384	425	274	389	326	361	319	379	325	255	245	258
MIN	207	269	189	144	154	195	193	148	147	199	200	154
AC-FT	16170	22330	14260	13220	11200	14840	14990	15410	12070	13120	12880	11470
CAL YR 1976	TOTAL	87058	MEAN 238	MAX 567	MIN 146	AC-FT 172700						
WTR YR 1977	TOTAL	87096	MEAN 239	MAX 425	MIN 144	AC-FT 172800						

MISSISSIPPI RIVER DELTA

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07380400 BAYOU LAFOURCHE AT DONALDSONVILLE, LA--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.38	9.26	8.74	8.35	7.91	8.35	8.63	8.94	6.62	8.70	---	8.33
2	8.39	8.78	8.72	8.37	7.93	8.36	8.68	9.17	6.77	8.30	---	8.29
3	8.39	8.90	8.72	8.37	7.94	8.86	8.72	8.92	7.88	8.31	---	8.32
4	8.39	9.14	8.72	8.37	7.93	9.34	8.77	8.88	8.47	8.32	---	8.33
5	8.40	9.24	8.72	8.21	7.93	8.79	8.77	8.89	8.34	8.33	---	7.78
6	8.62	9.25	8.76	7.91	8.35	8.45	8.79	7.77	8.34	8.34	---	7.24
7	8.77	9.26	8.81	7.91	8.76	8.45	8.81	7.19	8.34	8.34	---	6.83
8	8.39	9.27	8.77	7.91	8.52	8.48	8.78	8.79	8.34	8.34	---	6.90
9	8.39	9.27	8.74	7.92	8.34	8.49	8.77	8.83	8.34	8.37	---	7.80
10	8.39	9.29	8.74	7.91	8.34	8.41	8.77	8.91	8.69	8.38	---	8.30
11	8.39	9.30	8.76	7.90	8.34	8.52	8.71	9.30	9.12	8.38	---	8.30
12	8.68	9.32	8.75	7.90	8.32	8.59	8.77	9.39	9.15	8.38	---	8.43
13	9.19	9.34	8.76	7.92	8.34	8.60	8.80	9.41	8.83	8.39	---	8.16
14	9.22	9.35	8.79	7.94	8.34	8.71	8.80	9.40	8.33	8.38	---	7.46
15	9.13	9.33	8.10	7.92	8.34	8.73	8.81	9.40	8.32	8.37	---	7.15
16	8.79	9.31	8.05	7.74	8.33	8.75	8.83	9.41	8.33	8.37	---	7.03
17	8.35	9.30	8.35	6.44	8.33	8.77	8.90	8.76	8.33	8.35	---	7.05
18	8.36	9.28	8.35	7.34	8.34	8.78	8.95	8.37	8.33	8.36	---	7.46
19	8.37	9.37	8.36	8.42	8.34	8.78	8.91	8.42	8.33	8.36	---	8.31
20	8.37	9.43	8.38	9.17	8.34	8.79	9.16	8.40	8.33	8.37	---	8.29
21	8.37	9.33	8.37	9.23	8.62	8.79	8.64	8.42	8.31	8.35	---	8.32
22	8.36	9.27	8.37	9.27	9.19	8.79	8.48	8.39	8.32	8.35	---	8.32
23	8.38	9.24	8.38	9.31	8.79	8.79	9.07	8.40	8.32	8.35	---	8.31
24	8.38	9.23	8.38	8.43	8.36	8.79	8.99	8.40	8.32	8.35	---	8.32
25	8.87	9.22	8.09	7.88	8.37	8.78	8.89	8.37	8.32	8.32	---	8.32
26	9.25	9.24	7.73	7.88	8.33	8.78	8.78	8.37	8.32	8.42	---	8.33
27	9.26	9.25	8.37	7.89	6.88	8.76	8.62	8.36	8.32	8.67	---	8.33
28	9.27	9.35	8.36	7.89	7.74	8.75	8.39	8.35	8.69	8.68	---	8.34
29	9.16	9.36	8.36	7.89	---	8.70	8.28	8.37	9.07	8.68	---	8.48
30	9.19	9.08	8.36	7.89	---	8.67	8.29	8.09	9.09	8.68	---	8.75
31	9.29	---	8.35	7.88	---	8.64	---	6.65	---	---	8.35	---
MEAN	8.68	9.25	8.49	8.11	8.27	8.69	8.75	8.60	8.35	---	---	7.99
MAX	9.29	9.43	8.81	9.31	9.19	9.34	9.16	9.41	9.15	---	---	8.75
MIN	8.35	8.78	7.73	6.44	6.88	8.35	8.28	6.65	6.62	---	---	6.83

MISSISSIPPI RIVER DELTA

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).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (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 1977 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, 6.44 ft (1.963 m) Dec. 15; minimum, 3.98 ft (1.213 m) Jun. 3.

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.17	5.51	5.50	5.20	5.13	4.99	5.38	5.12	4.65	5.49	5.37	5.34
2	5.13	5.47	5.33	5.23	5.02	5.13	5.35	5.43	4.40	5.36	5.30	5.25
3	5.12	5.33	5.25	5.54	5.25	5.17	5.37	5.50	4.12	5.16	5.20	5.17
4	5.12	5.31	5.23	5.39	5.32	5.70	5.43	5.45	4.63	5.09	5.14	5.18
5	5.10	5.39	5.23	5.33	5.14	5.74	5.48	5.40	4.98	5.06	5.14	6.04
6	5.10	5.42	5.24	5.19	5.05	5.60	5.42	5.37	5.03	5.07	5.14	6.16
7	5.22	5.45	5.89	5.27	5.21	5.42	5.44	4.94	5.06	5.07	5.18	5.54
8	5.26	5.46	5.56	5.07	5.34	5.35	5.43	4.83	5.05	5.06	5.15	5.05
9	5.15	5.47	5.39	4.98	5.29	5.32	5.41	5.24	5.06	5.05	5.13	4.83
10	5.14	5.46	5.31	5.04	5.22	5.37	5.80	5.35	5.07	5.09	5.16	5.04
11	5.14	5.47	5.35	4.94	5.24	5.30	5.41	5.42	5.26	5.10	5.14	5.25
12	5.10	5.49	5.32	4.93	5.26	5.43	5.40	5.52	5.45	5.10	5.17	5.37
13	5.30	5.47	5.45	4.90	5.24	5.43	5.42	5.55	5.51	5.07	5.23	5.41
14	5.48	5.55	5.39	5.74	5.22	5.45	5.42	5.59	5.45	5.16	5.37	5.40
15	5.50	5.56	6.35	5.47	5.22	5.48	5.42	5.61	5.22	5.08	5.38	5.15
16	5.51	5.53	5.71	5.23	5.23	5.50	5.37	5.62	5.11	5.08	5.36	5.33
17	5.37	5.52	5.26	5.01	5.25	5.52	5.36	5.62	5.06	5.09	5.29	5.15
18	5.18	5.50	5.14	4.74	5.25	5.55	5.40	5.40	5.07	5.10	5.21	4.86
19	5.06	5.50	5.09	4.75	5.22	5.57	5.44	5.21	5.11	5.09	5.25	5.03
20	5.00	5.93	5.47	5.17	5.20	5.58	5.47	5.15	5.11	5.10	5.24	5.17
21	4.96	5.69	5.41	5.52	5.19	5.53	6.36	5.13	5.10	5.13	5.29	5.15
22	4.95	5.57	5.35	5.65	4.95	5.43	6.00	5.14	5.08	5.10	5.34	5.15
23	4.95	5.51	5.34	5.70	5.15	5.42	5.20	5.13	5.04	5.06	5.56	5.15
24	4.95	5.48	5.25	5.70	5.42	5.42	5.10	5.14	5.01	5.06	5.41	5.17
25	5.01	5.48	5.26	5.41	5.27	5.43	5.53	5.15	5.04	5.06	5.05	5.18
26	5.23	5.50	5.62	5.15	5.23	5.43	5.44	5.17	5.04	5.05	5.39	5.19
27	5.41	5.49	5.30	5.01	5.26	5.44	5.32	5.12	5.04	5.15	5.59	5.18
28	5.46	5.69	5.25	4.96	4.83	5.45	5.26	5.09	5.02	5.26	5.44	5.18
29	5.48	5.89	5.23	4.92	---	5.43	5.14	5.06	5.25	5.34	5.46	5.20
30	5.88	5.66	5.21	4.92	---	5.40	5.06	5.12	5.43	5.37	5.39	5.31
31	5.60	---	5.24	5.32	---	5.42	---	4.98	---	5.36	5.40	---
MEAN	5.23	5.53	5.38	5.21	5.20	5.43	5.43	5.28	5.05	5.14	5.29	5.25
MAX	5.88	5.93	6.35	5.74	5.42	5.74	6.36	5.62	5.51	5.49	5.59	6.16
MIN	4.95	5.31	5.09	4.74	4.83	4.99	5.06	4.83	4.12	5.05	5.05	4.83

MISSISSIPPI RIVER DELTA

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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 at mean sea level. Prior to Oct. 1, 1968, at datum 2.98 ft (0.908 m) lower.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.44 ft (1.049 m) Sept. 6; minimum, 0.17 ft (0.052 m) Jan. 19.

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.16	1.06	.67	.88	.75	.83	1.77	1.80	1.33	1.33	1.29	2.94
2	1.10	1.03	.81	.94	.75	.82	1.91	2.07	1.33	1.31	1.24	2.89
3	1.07	.89	.72	1.17	1.04	1.28	1.99	2.07	1.43	1.25	1.33	2.69
4	1.15	.93	.78	1.24	1.05	1.89	2.09	2.08	1.49	1.27	1.49	2.56
5	1.43	.99	.84	1.41	.94	1.69	2.12	2.00	1.60	1.25	1.67	3.03
6	1.71	.87	.95	1.31	.70	1.44	1.74	1.99	1.60	1.22	1.69	3.43
7	1.31	.90	1.51	1.28	.54	1.03	1.46	2.02	1.57	1.15	1.72	3.33
8	1.14	.79	1.19	1.15	.48	.71	1.20	1.97	1.54	1.09	1.71	3.09
9	.71	.74	1.04	1.16	.56	.83	.98	1.87	1.67	1.16	1.71	2.87
10	.69	.93	1.04	1.33	.61	.91	.94	1.79	1.68	1.21	1.76	2.69
11	.85	.95	1.29	.80	.79	1.29	1.12	1.77	1.63	1.21	1.89	2.53
12	.94	1.17	1.47	.65	.86	1.82	1.35	1.95	1.61	1.25	2.04	2.39
13	1.04	.80	1.35	.59	.97	1.64	1.40	1.97	1.61	1.23	2.04	2.36
14	1.01	.90	1.19	1.33	.89	1.55	1.51	1.78	1.68	1.23	1.99	2.45
15	1.09	.78	1.44	1.47	.95	1.54	1.60	1.69	1.70	1.17	1.92	2.88
16	1.20	.94	1.43	1.34	.56	1.32	1.23	1.69	1.66	1.19	1.78	2.64
17	1.20	.92	1.21	.99	.40	1.19	1.87	1.67	1.59	1.30	1.75	2.53
18	.82	.94	1.19	.83	.39	1.39	1.40	1.80	1.59	1.39	1.67	2.42
19	1.04	1.16	1.17	.45	.56	1.49	1.96	1.84	1.52	1.48	1.59	2.33
20	1.20	1.56	1.41	.37	.50	1.54	2.08	1.75	1.44	1.55	1.59	2.31
21	.89	1.54	1.17	.32	.32	1.36	2.43	1.71	1.29	1.51	1.56	2.20
22	.86	1.29	.89	.31	.60	1.46	2.53	1.80	1.23	1.41	1.70	2.14
23	.98	1.14	.97	.44	1.07	.94	2.26	1.88	1.20	1.40	1.91	2.09
24	1.18	.97	1.00	.78	1.51	.89	2.03	1.83	1.18	1.44	1.82	2.10
25	1.37	.93	1.14	.52	1.23	1.17	1.80	1.78	1.09	1.46	1.81	2.13
26	1.11	.97	1.74	.42	1.36	1.29	1.62	1.64	1.07	1.47	1.87	2.13
27	1.08	1.17	1.30	.72	1.52	1.54	1.49	1.54	1.10	1.44	1.95	2.12
28	.93	1.40	1.19	.88	1.05	1.89	1.44	1.46	1.19	1.44	2.08	2.10
29	.83	1.31	1.04	.90	---	1.96	1.50	1.40	1.24	1.48	2.24	2.04
30	1.70	.71	.91	.70	---	2.05	1.40	1.37	1.25	1.51	2.47	2.12
31	1.41	---	1.16	.88	---	2.04	---	1.30	---	1.42	2.73	---
MEAN	1.10	1.02	1.14	.89	.82	1.38	1.67	1.78	1.44	1.33	1.81	2.52
MAX	1.71	1.56	1.74	1.47	1.52	2.05	2.53	2.08	1.70	1.55	2.73	3.43
MIN	.69	.71	.67	.31	.32	.71	.94	1.30	1.07	1.09	1.24	2.04

MISSISSIPPI RIVER DELTA

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.

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 (water years 1974-76): Maximum, 8,630 micromhos Apr. 7, 1977; minimum, 126 micromhos May 18, 1976.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 8,630 micromhos Apr. 7; minimum daily, 176 micromhos Dec. 11.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	776	403	527	457	462	351	---	---	485	439	627	475
2	519	428	487	429	420	342	---	---	488	453	2130	586
3	1610	451	476	427	406	326	---	---	521	403	2940	2150
4	2730	551	1130	457	439	388	393	349	467	405	2700	1630
5	3850	2290	540	466	481	423	401	357	441	359	1550	530
6	4480	2610	612	491	548	344	484	379	447	378	613	377
7	2610	1180	1360	498	427	283	464	410	450	434	455	380
8	1200	508	---	---	290	231	457	383	535	458	401	381
9	728	510	---	---	239	203	458	392	512	462	428	370
10	2510	695	---	---	224	177	422	388	531	443	907	363
11	2710	951	---	---	257	176	525	392	489	452	1690	906
12	2830	1460	---	---	447	235	467	416	477	445	1650	490
13	2490	827	572	511	314	247	591	457	550	452	478	455
14	2070	644	768	510	306	179	617	372	534	467	460	435
15	2470	660	630	539	337	195	471	397	519	490	453	344
16	4600	978	653	551	415	252	402	366	520	495	345	335
17	974	871	654	522	312	244	479	389	548	516	363	307
18	1490	736	692	521	296	220	485	409	546	522	419	310
19	7650	1530	1090	531	309	222	468	415	559	548	334	300
20	6580	2330	678	545	406	201	410	381	572	546	362	324
21	2290	623	557	477	353	253	459	369	606	574	420	323
22	1450	578	551	482	264	195	488	418	753	586	415	268
23	3710	879	492	473	357	227	449	361	6350	800	259	223
24	6750	2850	561	485	406	352	444	337	3240	749	244	229
25	2870	1650	520	512	400	289	487	395	1110	553	259	233
26	2230	1170	742	527	363	184	475	393	951	485	328	245
27	1170	1020	427	412	---	---	472	410	1230	476	2480	320
28	1680	1030	550	394	---	---	420	407	1100	484	2450	983
29	6320	1170	493	451	---	---	419	412	---	---	1750	337
30	6250	1450	433	362	---	---	434	417	---	---	2270	342
31	1480	529	---	---	---	---	580	411	---	---	1490	420

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

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	684	535	621	406	509	355	---	---	462	432	---	---
2	1880	284	678	368	590	499	504	388	---	---	---	---
3	768	286	687	344	513	414	687	489	---	---	---	---
4	1930	516	548	411	498	385	715	572	---	---	---	---
5	2290	321	534	470	493	424	739	649	---	---	---	---
6	1200	303	473	367	526	490	720	623	---	---	---	---
7	1380	579	364	306	583	526	706	627	---	---	---	---
8	639	542	---	---	605	582	679	587	---	---	---	---
9	606	555	---	---	611	581	775	568	---	---	---	---
10	753	435	---	---	619	562	868	551	---	---	---	---
11	2780	405	---	---	571	493	574	568	---	---	---	---
12	2390	409	---	---	543	494	625	574	---	---	---	---
13	914	504	---	---	553	485	642	568	---	---	---	---
14	1060	573	---	---	616	408	623	580	---	---	---	---
15	1160	824	---	---	523	431	---	---	---	---	---	---
16	3020	1470	---	---	468	426	---	---	---	---	339	301
17	3390	3020	---	---	517	462	---	---	---	---	301	254
18	4330	3140	---	---	---	---	---	---	---	---	317	235
19	5150	3100	772	426	---	---	---	---	511	453	376	316
20	8630	5210	672	404	---	---	572	540	539	477	378	343
21	7950	6120	476	402	---	---	559	536	532	490	345	291
22	6380	2640	1150	407	---	---	769	559	526	423	349	286
23	2480	310	2910	646	---	---	821	621	515	419	357	331
24	305	271	2880	790	---	---	794	561	498	430	356	317
25	285	250	1290	425	---	---	715	447	490	432	356	325
26	330	266	597	435	---	---	673	559	496	438	336	302
27	341	254	601	499	---	---	657	606	481	464	320	298
28	359	335	509	407	---	---	638	595	519	475	378	319
29	622	323	419	400	---	---	739	595	1210	494	350	330
30	893	601	453	417	---	---	706	576	2040	1190	340	335
31	---	---	490	440	---	---	574	445	2950	2050	---	---

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.--

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, 32.5°C July 28, 29; minimum daily, 6.0°C Jan. 19, 20.

CHLORIDE: Maximum daily, 6,700 mg/L Oct. 25; minimum daily, 42 mg/L Jan. 7.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT												
27...	1230	2600	8.0	30	60	7.1	12	2.3	8800	67	330	220
NOV												
22...	1050	583	8.0	--	55	8.9	18	3.3	--	380	160	62
DEC												
15...	1550	765	7.5	80	55	7.8	21	3.7	3800	600	220	120
JAN												
12...	1500	464	7.6	55	45	--	27	--	3600	170	150	53
FEB												
15...	1530	572	7.8	20	90	7.4	51	4.2	3600	8800	130	38
MAR												
16...	1300	496	7.7	100	85	5.6	50	1.7	81700	8280	140	42
APR												
28...	1540	387	7.8	20	70	6.4	50	--	--	--	100	25
MAY												
26...	1430	416	7.9	6	70	6.5	45	3.0	--	8140	110	18
JUN												
17...	1235	423	7.9	55	50	5.6	23	1.2	660	700	110	23
JUL												
20...	1155	668	8.0	40	65	5.3	50	3.0	84000	81440	150	43
SEP												
02...	1245	4060	8.1	70	15	6.4	--	1.8	480	0	410	320
08...	1020	2660	8.1	5	10	6.8	40	.1	--	--	340	250

DATE	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)
OCT												
27...	55	47	140	0	115	2.2	100	660	--	93	<1.0	.35
NOV												
22...	38	15	115	0	94	1.8	57	90	--	129	--	1.1
DEC												
15...	56	20	130	0	107	6.6	110	99	--	149	<1.0	1.6
JAN												
12...	38	13	116	0	95	4.7	58	47	--	79	<1.0	.57
FEB												
15...	31	12	108	0	89	2.7	34	81	--	222	<1.0	.38
MAR												
16...	33	13	114	0	94	3.6	40	74	--	207	<1.0	1.1
APR												
28...	26	8.5	92	0	75	2.3	25	51	17	--	<1.0	.96
MAY												
26...	29	9.9	116	0	95	2.3	26	55	184	--	<1.0	.23
JUN												
17...	27	9.2	100	0	82	2.0	24	63	74	--	<1.0	.33
JUL												
20...	40	13	131	0	107	2.1	46	110	134	--	<1.0	.31
SEP												
02...	50	69	111	0	91	1.4	150	1200	57	--	<1.0	.26
08...	52	51	110	0	90	1.4	150	700	9	--	<1.0	1.3

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 27...	.02	.37	.90	.00	2	1	0	0	0	0	<10	0
NOV 22...	.02	1.1	--	.07	4	0	0	0	1	1	<10	0
DEC 15...	.05	1.6	1.4	.28	6	3	0	0	0	0	10	0
JAN 12...	.02	.59	1.0	.18	3	1	0	0	0	0	10	0
FEB 15...	.02	.40	1.4	.33	3	1	0	0	0	0	20	0
MAR 16...	.03	1.1	.93	.37	4	1	0	0	0	0	10	0
APR 28...	.03	.99	1.5	.25	7	3	0	0	0	0	<10	0
MAY 26...	.01	.24	.74	.23	4	1	0	0	0	0	30	0
JUN 17...	.02	.35	.66	.18	--	3	0	0	0	0	10	0
JUL 20...	.01	.32	.97	.15	3	2	0	0	0	0	10	0
SEP 02...	.03	.29	.99	.17	2	2	0	0	<10	1	10	0
08...	.03	1.3	.54	.26	1	1	10	10	10	1	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 27...	4	4	40	9	0	.1	.1	6	2	1	1	--
NOV 22...	7	7	30	10	0	.6	.6	8	6	0	0	.0
DEC 15...	10	5	40	14	2	.0	.0	9	4	1	1	.0
JAN 12...	9	3	90	6	0	.0	.0	12	6	0	0	2.0
FEB 15...	13	6	180	13	0	.0	.0	14	4	0	0	3.0
MAR 16...	8	6	60	8	0	.4	.0	8	3	0	0	3.0
APR 28...	5	--	30	6	0	.0	.0	5	4	0	0	3.0
MAY 26...	7	4	20	6	0	.0	.0	10	5	0	0	1.0
JUN 17...	6	6	20	6	2	--	.0	15	2	--	0	--
JUL 20...	8	8	10	7	5	.0	.0	12	2	0	0	--
SEP 02...	6	6	80	3	0	.0	.0	5	4	1	0	--
08...	3	3	30	2	0	.0	.0	4	3	1	1	--

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 27...	40	10	9.3	.00	5	4	.0	.00	.00	.0	.00	.00
NOV 22...	20	20	5.6	.00	0	0	.0	.00	.00	.0	.00	.00
DEC 15...	50	10	22	.00	0	0	.0	.00	.00	.0	.00	.00
JAN 12...	30	10	6.0	.00	0	1	.0	.00	.00	.0	.00	.00
FEB 15...	40	20	21	.00	9	0	.0	.00	.00	.0	.00	.00
MAR 16...	20	20	4.6	.00	0	2	.0	.00	.00	.0	.00	.00
APR 28...	70	10	9.8	.00	4	0	.0	.00	.00	.0	.00	.00
MAY 26...	50	20	9.1	.00	0	0	.0	.00	.001	.0	.000	.000
JUN 17...	30	10	5.3	.00	0	--	.0	.00	.000	.0	.000	.000
JUL 20...	30	30	7.1	.00	0	6	.0	.00	.000	.0	.000	.000
SEP 02...	20	10	13	.00	7	0	.0	.00	.000	.0	.000	.000
08...	20	20	3.0	.00	2	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL UI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
OCT 27...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
NOV 22...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 15...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 12...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 15...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAR 16...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 28...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 26...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 17...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 20...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
08...	.000	.00	.005	.000	.002	.00	.000	.001	.000	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	.00	0	.00	.00	.00	.03	--	--	--	--
NOV 22...	.00	.00	.00	0	.00	.27	.00	.00	1.45	.903	--	--
DEC 15...	.00	.00	.00	0	.00	.00	.00	.00	.54	.174	--	--
JAN 12...	.00	.00	.00	0	.00	--	--	--	1.06	.468	--	--
FEB 15...	.00	.00	.00	0	.00	.03	.00	.00	--	--	.594	.090
MAR 16...	.00	.00	.00	0	.00	.00	.01	.10	--	--	1.95	.117
APR 28...	.00	.00	.00	0	.00	.71	.00	1.7	--	--	1.31	.040
MAY 26...	.00	.00	.00	.0	.00	.00	.20	.00	--	--	.314	.030
JUN 17...	.00	.00	.00	.0	.00	.00	.21	.00	--	--	.416	.046
JUL 20...	.00	.00	.00	.0	.00	.00	.00	.04	--	--	--	--
SEP 02...	.00	.00	.00	.0	.00	.05	.00	.04	--	--	1.97	.182
08...	.00	.00	.00	.0	.00	.01	.01	.01	--	--	.053	.007

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	17.0	9.5	13.0	7.0	16.0	22.0	24.0	28.5	30.5	29.5	27.5
2	25.0	17.0	10.5	13.0	7.0	16.5	23.0	23.5	28.5	30.5	29.5	28.0
3	25.0	16.0	9.5	18.0	9.0	17.5	23.0	24.0	29.0	30.5	30.0	28.0
4	26.0	17.0	10.0	19.5	10.0	18.0	24.0	24.0	29.5	30.0	30.0	28.0
5	26.0	16.5	10.0	11.0	8.5	18.0	22.0	25.0	29.5	30.0	30.0	28.0
6	26.0	15.0	12.0	11.0	8.0	17.5	20.5	25.5	30.0	30.5	30.0	26.5
7	24.0	11.0	12.5	12.0	8.0	14.0	21.0	26.0	30.5	30.5	30.0	27.0
8	22.0	16.0	10.0	11.0	9.0	14.0	21.0	26.0	30.0	31.0	30.0	27.5
9	29.0	15.0	10.0	11.5	9.5	15.0	21.5	26.5	29.5	30.0	30.0	27.5
10	29.0	16.0	11.5	10.0	10.0	16.0	22.5	26.5	29.5	29.5	30.0	27.5
11	29.0	17.0	13.0	18.5	11.5	18.5	22.0	26.0	29.5	30.0	29.0	27.5
12	20.0	17.0	13.0	19.0	13.5	19.0	23.0	25.5	29.5	30.0	27.5	27.5
13	21.0	14.0	---	18.5	13.5	19.0	22.5	25.0	29.5	30.5	---	28.0
14	21.0	14.5	13.0	11.5	13.0	18.0	23.0	26.0	29.5	30.5	---	27.5
15	21.5	13.0	13.5	11.0	13.5	19.5	23.0	26.0	29.5	31.0	---	27.0
16	22.0	13.0	13.0	11.0	12.0	20.0	24.0	26.0	30.0	31.0	---	26.0
17	22.0	12.0	13.0	8.0	12.0	20.5	24.0	26.5	30.0	30.5	---	26.5
18	19.0	12.0	13.5	7.0	13.0	21.0	24.0	26.0	30.0	30.0	---	26.5
19	20.5	14.0	13.5	6.0	13.5	22.0	24.0	27.0	30.0	30.0	---	27.0
20	20.0	13.5	15.5	6.0	13.5	22.5	24.0	27.0	30.5	30.5	28.5	27.0
21	18.5	13.0	12.5	6.5	13.5	22.0	24.0	27.0	30.0	30.0	28.5	28.0
22	18.0	13.0	11.0	7.0	14.0	21.0	24.0	27.0	30.0	30.0	28.0	28.0
23	18.5	13.0	---	7.0	17.5	20.0	24.0	27.0	30.0	31.0	27.0	28.0
24	19.0	12.0	10.0	10.0	17.0	19.0	24.0	27.0	30.0	31.0	27.0	29.0
25	21.0	12.5	10.5	8.0	18.0	18.0	22.0	27.0	30.0	31.0	26.5	29.0
26	19.5	14.0	11.0	9.0	18.5	19.0	22.5	27.0	30.0	31.5	27.5	29.0
27	18.5	14.5	11.5	10.5	18.5	19.0	22.5	27.0	30.5	32.0	28.0	29.0
28	17.0	14.0	13.0	11.0	17.0	20.5	23.0	27.5	31.0	32.5	28.0	29.5
29	16.5	12.0	12.5	10.0	---	21.0	23.0	27.5	30.0	32.5	28.0	29.5
30	18.0	10.0	12.5	9.0	---	22.0	24.0	28.0	30.5	31.0	27.5	30.0
31	17.5	---	14.0	8.0	---	22.0	---	29.0	---	31.0	27.5	---

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	350	150	48	95	600	750	150	480	220	210	3300
2	240	480	190	45	73	520	680	200	220	210	190	1700
3	240	500	200	71	93	820	880	350	80	200	410	1100
4	690	700	190	59	74	860	220	470	87	200	290	1000
5	700	570	170	56	58	650	1600	440	90	200	260	1100
6	1700	580	210	74	64	640	900	150	60	200	230	3100
7	900	580	210	42	78	200	1100	76	70	210	340	800
8	750	470	160	69	80	560	1000	74	480	160	350	960
9	450	400	140	90	71	380	1200	97	490	180	310	430
10	440	500	110	61	70	380	720	80	65	120	270	250
11	780	440	140	54	78	400	1200	70	45	150	330	240
12	960	410	160	70	100	320	600	65	60	160	420	220
13	1900	410	---	56	90	340	450	90	55	110	---	180
14	1500	380	100	84	90	150	400	78	82	92	---	150
15	2200	410	100	58	80	170	500	81	78	100	---	88
16	3200	1400	110	67	75	110	480	80	64	100	---	77
17	3000	1900	130	74	80	100	480	62	55	100	---	100
18	750	2100	130	70	92	140	1400	54	53	100	---	50
19	2300	3100	120	65	450	120	920	190	56	100	---	130
20	1500	240	89	62	270	140	3300	120	59	130	130	130
21	1700	180	93	65	280	160	3800	330	56	95	140	120
22	1800	180	100	64	220	74	2600	260	66	78	110	140
23	4200	120	---	64	220	75	2600	710	96	91	82	150
24	4200	95	120	78	1500	55	670	710	98	94	100	120
25	6700	180	100	70	300	72	650	920	100	100	100	120
26	900	160	100	60	720	80	390	140	100	100	100	100
27	620	130	110	70	700	78	820	120	190	90	78	100
28	680	110	60	61	950	2000	660	120	400	110	71	100
29	580	120	55	64	---	1100	240	120	320	93	150	150
30	4300	110	50	65	---	1100	150	150	250	150	640	160
31	4200	---	55	91	---	710	---	280	---	140	960	---

MISSISSIPPI RIVER DELTA

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292245090153000 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.--

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, 33.0°C July 7; minimum daily, 6.0° C Jan. 18, Feb. 1, 2.

CHLORIDE: Maximum daily, 12,000 mg/L Mar. 30; minimum daily, 49 mg/L Dec. 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	21.0	10.0	10.0	6.0	16.0	24.0	24.0	24.0	31.0	30.0	28.5
2	---	20.0	10.0	10.0	6.0	17.0	24.0	23.5	24.0	29.5	30.5	29.0
3	---	21.0	10.0	11.0	9.0	18.0	24.5	24.0	24.0	29.0	30.5	28.0
4	---	20.0	10.0	11.0	9.5	15.0	24.5	24.0	24.0	32.5	29.0	27.5
5	---	21.0	10.0	10.0	6.5	16.0	21.5	25.0	24.5	32.0	30.5	27.5
6	---	20.0	12.0	10.0	9.0	16.0	20.0	25.5	31.0	31.0	31.0	27.5
7	---	21.0	12.0	10.0	9.0	13.5	21.0	25.5	31.0	33.0	---	27.5
8	---	20.0	11.0	10.0	8.5	14.0	21.0	26.0	30.5	32.0	32.0	28.5
9	21.0	20.0	10.0	10.0	9.0	15.0	22.0	26.0	30.5	32.0	---	28.0
10	21.0	20.0	10.0	10.0	10.0	16.5	22.5	27.0	31.0	32.0	28.0	27.5
11	21.0	20.0	10.5	10.5	11.5	18.0	24.5	26.5	31.5	32.0	27.5	27.0
12	20.0	20.0	10.5	11.0	14.0	18.0	24.5	26.0	30.0	32.0	28.0	27.0
13	20.0	21.0	10.5	11.0	13.5	18.0	24.5	27.0	30.0	30.5	28.0	26.0
14	20.0	20.0	10.0	10.0	14.0	20.0	24.5	27.5	30.0	30.5	28.5	27.0
15	20.0	21.0	10.0	10.0	14.0	20.0	26.0	27.0	24.0	30.0	28.0	27.0
16	21.0	21.0	10.0	10.0	---	21.0	26.0	28.0	24.5	30.0	24.0	27.0
17	21.0	10.0	10.0	8.0	14.5	22.0	25.0	27.5	30.0	29.0	30.0	28.0
18	21.0	10.0	10.5	6.0	14.5	23.0	25.0	26.5	30.0	30.0	29.0	28.0
19	21.0	10.0	10.5	6.5	17.5	22.5	25.5	27.0	30.0	30.0	29.0	27.5
20	21.0	12.0	10.5	8.0	16.0	22.0	23.0	26.5	30.0	30.0	24.0	27.0
21	20.0	---	10.0	9.5	16.5	23.0	23.0	27.0	24.5	30.0	26.5	27.5
22	20.0	12.0	10.0	9.0	18.0	20.0	23.0	26.5	30.0	30.0	26.5	28.0
23	21.0	11.0	10.0	9.5	17.0	17.0	23.0	26.5	30.0	31.0	27.0	28.0
24	21.0	12.0	10.0	10.0	17.5	17.0	23.0	27.0	30.0	30.5	27.5	28.5
25	21.0	12.0	10.5	10.0	---	17.0	22.5	27.0	30.5	30.5	27.0	28.0
26	21.0	13.0	10.0	11.0	19.0	19.0	22.0	26.0	30.0	30.5	27.0	29.0
27	21.0	13.0	10.0	12.5	17.5	19.5	22.0	29.0	30.5	29.5	28.0	29.0
28	20.0	17.0	10.5	12.5	16.0	20.0	22.0	29.0	31.0	30.0	27.0	24.0
29	21.0	17.0	10.5	9.0	---	21.0	25.0	28.0	30.0	30.5	28.0	29.0
30	20.0	11.0	10.0	9.0	---	21.0	26.0	28.5	30.0	---	27.0	29.0
31	21.0	---	10.0	6.5	---	21.0	---	29.0	---	31.0	27.0	---

MISSISSIPPI RIVER DELTA

292245090153000 BAYOU LAFOURCHE AT GALLIANO, LA (CE 82300)--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1000	180	80	240	1000	4200	720	1300	160	170	4600
2	---	1000	170	61	200	900	4000	1200	1200	340	170	3800
3	---	2200	150	55	190	2600	4100	1600	2800	520	170	2200
4	---	2300	150	140	310	1000	3400	1200	3200	370	650	2200
5	---	2200	150	94	80	1100	1200	440	5300	380	380	3000
6	---	990	150	170	74	1100	---	860	7100	380	450	3100
7	---	1000	340	140	66	300	---	740	7000	370	---	3000
8	---	600	230	76	110	250	---	340	7000	390	1800	910
9	1800	730	140	80	100	260	---	70	10000	1900	---	620
10	3000	5300	150	74	180	390	---	400	9100	2600	1200	480
11	7700	6200	160	62	140	2600	---	400	7700	2500	1800	430
12	10000	4000	260	63	240	6500	---	1200	5300	1000	1800	270
13	11000	2800	280	57	160	2500	---	600	4300	400	1500	230
14	11000	2800	170	180	490	280	---	500	3400	430	1200	150
15	11000	2800	260	200	500	250	---	300	520	380	900	82
16	5600	6100	120	150	---	170	---	280	500	430	690	76
17	5600	5000	110	59	78	110	---	260	490	380	560	69
18	5700	6900	110	58	76	190	---	1000	230	1200	400	63
19	7700	7700	120	100	85	150	---	1100	240	2600	310	66
20	8300	5700	120	65	65	160	---	1100	130	4400	100	81
21	6800	5500	90	65	3100	110	---	980	73	2600	99	94
22	7900	3600	83	75	7400	84	---	1300	79	1400	96	96
23	8200	140	130	90	9200	94	3100	2000	80	970	120	78
24	8000	990	91	260	9200	95	2400	2200	90	960	88	86
25	9000	280	310	75	---	110	1300	1400	910	940	80	260
26	6500	300	120	110	9400	3300	660	880	830	900	80	93
27	6400	1000	65	2500	8500	5200	520	670	800	330	90	92
28	4700	1000	67	2900	1400	11000	500	680	1800	210	250	85
29	6800	120	49	120	---	5500	790	1400	600	280	89	82
30	9000	120	56	130	---	12000	550	1400	220	---	720	100
31	4600	---	53	470	---	4200	---	1500	---	150	4000	---
MONTH	---	2700	150	280	2000	2000	---	930	2700	1000	690	880
YEAR	MAX	12000	MIN	49	MEAN	1800						

MISSISSIPPI RIVER DELTA

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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 mean sea level (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, 7.60 ft (2.316 m) Sept. 5; minimum, 3.15 ft (0.960 m) Jan. 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.10	4.69	4.13	4.09	4.21	3.98	5.19	5.64	5.07	4.91	4.87	6.90
2	5.00	4.57	4.17	4.70	4.31	4.41	5.45	5.75	5.02	4.77	4.93	6.60
3	4.93	4.41	4.07	4.71	4.64	5.10	5.49	5.64	5.07	4.73	5.06	6.25
4	5.03	4.50	4.22	4.67	4.54	5.46	5.70	5.54	5.06	4.79	5.36	6.54
5	5.28	4.52	4.30	4.87	4.46	5.05	5.25	5.46	5.11	4.77	5.37	7.44
6	5.24	4.39	4.71	4.76	4.15	4.83	4.57	5.49	5.15	4.79	5.50	7.08
7	4.94	4.49	5.02	4.53	4.17	4.31	4.18	5.38	5.16	4.87	5.57	6.42
8	4.77	4.24	4.55	4.60	4.12	4.48	3.98	5.24	5.23	4.91	5.54	5.95
9	4.30	4.73	4.10	---	4.12	4.38	3.92	5.07	5.40	4.99	5.55	5.74
10	4.55	4.69	4.63	---	4.08	4.63	4.14	5.30	5.38	5.08	5.55	5.64
11	4.69	4.80	5.11	---	4.17	4.98	4.57	5.25	5.36	5.03	5.81	5.45
12	4.83	4.80	5.12	---	4.20	5.30	4.72	5.58	5.33	5.06	5.80	5.58
13	4.90	4.60	4.81	---	4.31	4.93	4.84	5.55	5.34	5.02	5.69	5.63
14	4.90	5.00	4.85	---	4.33	4.85	5.11	5.40	5.35	4.99	5.52	5.85
15	5.03	4.74	5.03	---	4.34	4.90	5.33	5.40	5.31	4.84	5.48	5.79
16	5.11	4.67	4.73	---	3.93	4.55	5.47	5.37	5.25	4.93	5.34	5.79
17	4.85	4.67	4.36	---	4.11	4.65	5.68	5.33	5.15	5.04	5.31	5.94
18	4.80	4.55	4.44	---	4.27	5.05	5.65	5.46	5.14	5.13	5.33	5.90
19	5.12	4.85	4.39	3.38	4.25	5.10	5.62	5.47	5.00	5.20	5.34	5.90
20	4.70	5.07	4.83	4.06	4.08	4.88	5.82	5.23	4.91	5.22	5.34	5.83
21	4.57	5.07	3.98	3.83	4.18	5.13	6.28	5.35	4.75	5.15	5.35	5.81
22	4.48	4.79	4.48	4.02	4.46	4.58	5.78	5.35	4.75	5.16	5.35	5.70
23	4.70	4.20	4.50	4.32	5.11	4.30	5.33	5.39	4.83	5.18	5.45	5.77
24	5.03	4.07	4.66	4.50	5.02	4.45	4.95	5.35	4.87	5.26	5.45	5.79
25	5.20	4.14	5.18	3.92	4.46	4.92	4.85	5.20	4.87	5.27	5.40	5.70
26	4.94	4.94	4.41	3.97	4.77	4.88	4.73	5.15	4.91	5.26	5.43	5.74
27	4.94	5.00	4.51	4.23	4.67	5.23	4.72	5.20	5.00	5.27	5.55	5.69
28	4.75	5.07	4.33	4.28	4.22	5.72	4.67	5.24	5.08	5.24	5.76	5.70
29	5.11	4.14	4.04	4.19	---	5.57	4.84	5.24	5.06	5.25	6.00	5.67
30	5.56	4.00	4.35	4.23	---	5.61	5.10	5.16	5.00	5.09	6.48	5.89
31	4.83	---	4.25	4.34	---	5.21	---	5.09	---	5.00	6.87	---
MEAN	4.91	4.61	4.52	---	4.35	4.88	5.06	5.36	5.10	5.04	5.53	5.99
MAX	5.56	5.07	5.18	---	5.11	5.72	6.28	5.75	5.40	5.27	6.87	7.44
MIN	4.30	4.00	3.98	3.38	3.93	3.98	3.92	5.07	4.75	4.73	4.87	5.45

NOTE.--Gage heights were between 3.59 and 5.27 ft (1.094 and 1.606 m) January 9-18.

MISSISSIPPI RIVER DELTA

291452090123200 BAYOU LAFOURCHE AT LEEVILLE, LA (CE 82350)

LOCATION.--Lat 29°14'52", long 90°12'32", T.21 S., R.10 E., Lafourche Parish, Hydrologic Unit 08090301, northeast of Louisiana Highway 1 bridge 0.2 mi (0.3 km) southeast of Leeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

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, 17,000 mg/L Dec. 6, 1974; minimum daily, 970 mg/L Oct. 20, 1974.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	17.0	11.5	14.5	8.0		---	26.0	24.0	30.5		
2	26.0	19.0	11.5	14.0	9.0		---	26.0	29.0	30.0		
3	26.0	19.5	12.0	10.0	11.0		---	---	30.0	29.0		
4	27.0	18.0	14.0	10.5	11.5		---	---	30.5	29.0		
5	27.0	18.5	14.5	12.5	11.0		---	---	30.0	30.5		
6	26.0	18.0	12.5	13.5	11.0		---	---	30.0	---		
7	24.0	18.0	13.0	15.0	11.0		---	---	30.0	31.0		
8	16.5	17.0	13.0	14.5	11.5		---	---	29.5	31.0		
9	18.0	18.0	13.0	16.0	13.0		24.0	---	30.0	30.0		
10	20.0	18.5	13.5	12.0	13.0		---	---	31.0	29.0		
11	20.5	19.0	14.0	9.5	13.5		22.0	---	30.5	28.5		
12	20.5	15.0	15.5	9.0	14.0		26.0	---	29.0	29.5		
13	22.0	14.0	16.0	8.0	15.5		---	---	28.5	---		
14	24.0	14.0	15.0	9.5	---		25.0	---	29.0	---		
15	23.5	14.0	15.0	10.0	---		---	---	29.0	---		
16	24.0	13.0	15.5	10.0	---		---	---	29.5	---		
17	21.0	13.0	15.5	8.5	---		---	26.0	31.0	---		
18	20.5	14.0	16.0	9.0	---		---	25.5	32.0	---		
19	22.0	15.0	16.0	8.0	---		---	28.0	30.5	---		
20	21.0	14.5	17.0	8.0	---		---	28.0	31.0	---		
21	19.0	15.0	13.0	9.5	---		---	---	30.0	---		
22	20.5	15.0	12.0	10.0	---		---	27.0	30.5	---		
23	21.0	15.5	10.0	10.5	---		---	27.0	30.0	---		
24	21.0	15.5	11.0	12.0	---		---	26.0	31.0	---		
25	20.5	16.0	11.5	12.0	---		---	28.0	30.0	---		
26	21.0	15.5	11.0	13.0	---		---	27.0	31.0	---		
27	19.0	16.0	12.0	14.0	---		---	28.0	30.5	---		
28	17.0	15.0	13.5	15.0	---		---	28.0	31.0	---		
29	17.5	13.0	14.0	12.5	---		---	29.0	31.0	---		
30	17.0	11.0	15.5	8.5	---		---	28.0	31.0	---		
31	18.5	---	14.0	8.0	---		---	29.0	---	---		

MISSISSIPPI RIVER DELTA

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291452090123200 BAYOU LAFOURCHE AT LEEVILLE, LA (CE 82350)--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13000	10000	6500	4200	3600		---	---	13000	15000		
2	13000	9700	4800	4200	4600		---	10000	14000	15000		
3	13000	12000	6200	4200	9000		---	---	14000	13000		
4	13000	12000	9700	5200	8200		---	---	14000	15000		
5	13000	11000	8700	7200	6500		---	---	13000	14000		
6	11000	11000	9100	3400	4300		---	---	13000	14000		
7	11000	13000	8600	9700	2900		---	---	13000	14000		
8	13000	8600	6400	9300	4400		---	---	13000	14000		
9	13000	14000	5300	9300	4300		8600	---	13000	14000		
10	13000	13000	9100	7400	5800		---	---	14000	14000		
11	13000	14000	7700	2500	6200		8700	---	14000	14000		
12	13000	11000	6500	2900	5700		9100	---	13000	14000		
13	13000	11000	3300	5500	5300		---	---	13000	---		
14	14000	13000	2900	8900	---		9600	---	13000	---		
15	14000	13000	3900	6300	---		---	---	13000	---		
16	14000	12000	3300	4100	---		---	---	13000	---		
17	11000	11000	6800	1600	---		---	9900	13000	---		
18	13000	14000	5000	7900	---		---	8900	14000	---		
19	14000	11000	3200	2400	---		---	10000	13000	---		
20	11000	10000	5400	7800	---		---	10000	13000	---		
21	11000	9300	1600	6500	---		---	---	13000	---		
22	14000	7500	6600	5600	---		---	10000	14000	---		
23	14000	7000	3800	4800	---		---	9200	14000	---		
24	14000	7900	4100	8900	---		---	9500	14000	---		
25	14000	11000	6600	8800	---		---	8200	14000	---		
26	12000	11000	6700	9600	---		---	10000	14000	---		
27	11000	10000	6600	9700	---		---	10000	14000	---		
28	10000	5000	6900	7100	---		---	11000	14000	---		
29	11000	2500	5300	5400	---		---	11000	15000	---		
30	10000	2200	7400	4200	---		---	11000	15000	---		
31	10000	---	5000	3800	---		---	11000	---	---		

MISSISSIPPI RIVER DELTA

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.--

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 Sept, 16, 1976; minimum daily, 10 mg/L Nov. 13-17, 1976.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	17.0	11.0	12.0	8.0	18.0	22.0			---	32.0	
2	---	18.0	11.0	10.5	8.5	18.0	22.5			---	31.0	
3	---	18.0	11.0	---	9.0	18.0	22.5			---	30.0	
4	---	---	11.0	---	10.0	18.0	23.0			---	28.0	
5	---	---	11.0	---	10.5	18.0	---			---	29.0	
6	---	---	12.0	---	10.5	16.5	---			---	29.0	
7	---	---	12.5	---	9.0	15.0	---			---	31.0	
8	---	16.5	11.0	---	10.5	16.5	---			---	30.0	
9	---	16.5	12.5	---	10.5	16.5	---			---	31.0	
10	---	16.5	12.0	10.5	11.0	16.5	---			---	29.0	
11	---	16.5	12.5	10.0	12.5	16.5	---			---	29.0	
12	---	16.5	13.0	8.5	12.0	16.0	---			---	30.0	
13	---	15.0	14.5	10.0	13.0	18.0	---			30.0	29.0	
14	22.0	14.5	14.0	10.5	13.0	18.5	---			31.0	29.0	
15	22.0	14.0	13.0	12.0	14.0	18.5	---			31.0	30.0	
16	21.0	14.0	14.5	10.5	13.0	18.5	---			30.0	29.0	
17	20.5	13.0	14.5	8.5	13.0	20.0	---			30.0	29.0	
18	20.0	14.0	14.5	8.5	14.0	20.5	---			31.0	28.0	
19	20.0	14.0	15.0	6.0	14.5	20.5	---			31.0	28.0	
20	20.0	14.5	14.5	6.5	14.5	20.5	---			31.0	27.0	
21	20.0	14.0	12.5	7.0	15.0	20.5	---			30.0	27.0	
22	20.0	14.0	12.5	6.5	16.5	20.0	---			30.0	26.0	
23	19.0	13.0	12.0	8.0	16.5	18.5	---			31.0	26.0	
24	20.0	12.5	10.5	9.0	17.0	18.5	---			30.0	27.0	
25	20.0	13.0	12.0	8.5	18.0	18.5	---			30.0	28.0	
26	19.0	14.5	12.5	9.0	18.5	19.0	---			31.0	---	
27	18.5	14.0	12.5	11.0	18.5	20.0	---			31.0	28.0	
28	18.0	15.0	13.0	12.0	18.5	20.5	---			30.0	28.0	
29	17.0	12.0	14.0	10.5	---	21.0	---			31.0	28.0	
30	18.5	10.0	14.5	10.0	---	20.5	---			31.0	28.0	
31	18.5	---	13.0	9.0	---	21.0	---			30.0	28.0	

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	340	140	62	45	84	3300			---	70	
2	---	180	160	58	50	120	400			---	72	
3	---	180	120	---	55	130	350			---	68	
4	---	---	110	---	66	170	850			---	70	
5	---	---	110	---	49	100	---			---	73	
6	---	---	120	---	56	380	---			---	72	
7	---	---	95	---	65	250	---			---	74	
8	---	180	84	---	80	65	---			---	70	
9	---	150	83	---	78	52	---			---	80	
10	---	150	87	55	52	82	---			---	70	
11	---	160	92	55	60	75	---			---	68	
12	---	120	95	50	65	75	---			---	78	
13	---	170	84	40	55	70	---			81	65	
14	660	120	68	48	58	35	---			79	220	
15	740	140	68	38	58	40	---			88	100	
16	900	200	78	59	55	40	---			70	150	
17	640	190	82	62	60	45	---			82	100	
18	660	260	72	80	58	42	---			70	100	
19	740	300	72	64	45	48	---			74	93	
20	1200	370	70	62	45	38	---			68	60	
21	870	330	52	60	60	49	---			85	58	
22	890	190	92	56	560	65	---			99	68	
23	1300	150	60	56	160	100	---			95	68	
24	1700	140	58	68	1300	58	---			88	65	
25	2000	130	66	55	950	61	---			85	63	
26	340	130	58	61	320	50	---			72	65	
27	210	140	60	58	400	48	---			71	63	
28	270	120	60	52	410	1900	---			70	63	
29	360	76	60	56	---	3600	---			80	78	
30	320	130	62	48	---	5100	---			76	---	
31	330	---	51	54	---	5100	---			84	---	

MISSISSIPPI RIVER DELTA

293515090300000 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.--

CHLORIDE-SURFACE: Maximum observed, 7,500 mg/L Mar. 30, 1977; minimum daily, 14 mg/L May 31, 1975.

CHLORIDE-10-FT DEPTH (water year 1976): Maximum daily, 7,600 mg/L Apr. 19, 1976; minimum daily, 25 mg/L Oct. 10, 1975.

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

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

MISSISSIPPI RIVER DELTA

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293515090300000 BAYOU TERREBONNE NEAR BOURG, LA (CE 76403)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
SAMPLING DEPTH 1.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	460	140	71	42	480	880	70	45	5400	71	3000
2	1000	380	110	52	50	740	610	74	45	2700	70	2000
3	1000	390	120	61	52	380	600	63	41	740	72	2000
4	620	610	120	---	44	2700	600	77	45	760	58	3200
5	2500	510	130	---	50	3200	1800	60	40	340	78	3000
6	4700	280	130	---	86	4200	1000	89	52	180	64	70
7	660	---	95	---	54	4100	1100	61	44	120	69	460
8	---	---	78	---	53	240	820	47	54	140	70	200
9	---	250	80	---	52	260	200	37	55	130	70	110
10	---	270	92	---	56	110	200	65	53	140	70	75
11	---	260	90	45	54	140	130	62	40	100	---	61
12	---	250	90	47	57	310	110	65	42	---	---	100
13	---	300	89	46	59	110	58	47	44	---	---	62
14	---	260	60	51	57	99	60	75	45	---	---	68
15	700	230	60	38	54	90	52	39	45	---	---	51
16	1200	230	60	40	54	---	51	33	45	---	---	88
17	1200	190	---	41	44	---	50	34	52	---	---	59
18	580	190	---	46	52	---	64	33	55	---	---	40
19	580	190	64	---	110	---	52	33	59	---	---	53
20	560	170	59	---	80	---	58	42	61	---	---	45
21	580	200	59	---	52	---	170	66	65	---	---	45
22	560	230	67	---	140	30	1000	48	80	---	68	45
23	550	220	64	---	3300	62	830	40	69	---	70	45
24	620	230	65	---	3300	74	560	62	68	---	70	45
25	1300	270	65	61	3300	44	890	72	70	---	62	43
26	1600	260	66	62	2100	44	960	40	89	68	57	57
27	1300	250	38	60	2500	47	190	40	74	70	50	68
28	1000	230	61	60	740	1100	120	33	77	70	63	60
29	800	130	50	56	---	5000	91	34	4500	70	49	50
30	1400	120	48	78	---	7500	70	34	4000	72	160	72
31	680	---	63	71	---	2400	---	38	---	70	160	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
SAMPLING DEPTH 10.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	970	440	120	72	44	500	860	69	59	5600	70	3000
2	1000	380	120	56	48	710	610	74	38	4600	65	2100
3	1800	410	130	65	50	380	---	63	39	3100	70	2000
4	620	600	120	---	42	3100	600	59	40	880	69	3700
5	2400	500	150	---	48	3100	2000	54	42	340	74	3100
6	4900	270	130	---	48	5200	1000	100	48	180	64	75
7	610	---	92	---	57	5200	1100	55	42	120	70	480
8	---	---	80	---	55	220	940	45	50	120	74	200
9	---	220	80	---	64	240	960	36	52	120	75	110
10	---	230	94	---	58	96	290	42	49	140	70	60
11	---	230	90	50	60	140	270	66	43	100	---	61
12	---	250	91	47	60	300	270	57	43	---	---	100
13	---	270	95	46	58	88	60	48	49	---	---	67
14	---	260	60	52	56	90	86	79	45	---	---	320
15	720	230	72	42	58	100	53	46	45	---	---	49
16	1200	230	60	41	---	---	47	42	52	---	---	70
17	1200	210	---	40	45	---	46	32	50	---	---	44
18	560	190	---	47	51	---	62	42	48	---	---	38
19	560	190	57	---	110	---	57	54	50	---	---	75
20	580	170	67	---	87	---	59	40	61	---	---	55
21	660	200	60	---	58	---	200	66	65	---	---	45
22	580	230	55	---	150	42	1800	46	76	---	68	35
23	580	210	66	---	3400	56	820	44	66	---	80	56
24	620	240	58	---	3400	58	560	44	65	---	69	39
25	1800	280	58	57	3900	42	890	68	76	---	66	51
26	1700	250	63	54	2400	42	920	40	71	72	48	67
27	1300	250	32	60	3100	58	190	38	72	70	51	69
28	1000	220	74	58	740	1100	110	35	83	75	54	45
29	800	130	47	62	---	5100	89	33	4500	78	56	48
30	1500	120	50	60	---	7600	83	34	4800	75	160	45
31	720	---	60	63	---	2700	---	38	---	70	160	---

MISSISSIPPI RIVER DELTA

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.--

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.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	560	---	260	260	68	80	64	2000	2100	100	120	---
2	2200	---	220	250	65	75	64	2000	2100	100	130	---
3	590	---	240	260	67	75	68	2000	2100	100	---	---
4	580	---	250	---	70	70	64	2000	2100	96	---	---
5	4900	---	250	---	69	70	64	2000	2100	110	---	---
6	420	210	120	---	81	90	62	2000	2100	100	---	---
7	4600	230	---	---	70	75	81	2000	2100	110	---	---
8	4700	130	---	---	98	80	64	2000	2100	100	---	---
9	4700	4700	---	---	100	70	64	2000	2100	100	---	---
10	4700	4800	140	---	90	80	64	2000	2100	110	---	---
11	---	4400	240	200	90	72	64	2000	2100	92	---	---
12	---	4700	220	220	97	78	62	2000	2100	---	---	120
13	---	4600	230	220	83	70	64	2000	2000	---	---	120
14	---	4700	250	240	89	80	64	2000	2000	---	---	110
15	4600	4600	240	230	90	---	62	2000	2000	---	---	120
16	4600	4700	210	220	81	---	58	2000	2000	---	---	110
17	4600	4700	240	240	120	---	180	2100	2000	---	---	120
18	4600	4700	240	230	90	---	2000	2100	2000	---	---	110
19	4600	4600	250	220	90	---	2000	2100	2000	---	---	120
20	260	4600	250	220	90	---	2000	2100	2000	---	---	120
21	320	4600	260	220	90	---	2000	2100	2000	---	---	76
22	4500	280	240	220	88	---	2000	2100	2000	---	---	120
23	4700	260	260	230	90	---	2000	2100	1900	---	---	120
24	4700	4800	260	230	75	---	160	2100	2000	---	---	110
25	4600	280	260	220	70	---	180	2100	2000	100	---	110
26	300	250	240	230	75	---	180	2100	2000	120	---	110
27	220	250	240	220	80	---	180	2100	2000	120	---	70
28	---	240	240	140	75	---	180	2100	110	110	---	70
29	---	240	250	320	---	---	2000	2100	100	110	---	70
30	---	250	260	240	---	---	2000	2100	110	120	---	75
31	---	---	240	230	---	---	---	2100	---	120	---	---

MISSISSIPPI RIVER DELTA

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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.--

CHLORIDE: Maximum daily, 9,500 mg/L Nov. 1, 1974; minimum daily, 12 mg/L Aug. 2, 12, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 33.0°C June 3, July 4, 31; minimum daily, 3.5°C Jan. 20.

CHLORIDE: Maximum daily, 9,400 mg/L Apr. 4, 20; minimum daily, 20 mg/L Oct. 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	15.0	9.0	7.5	6.5	15.5	22.0	20.5	29.0	31.0	30.0	28.0
2	25.5	15.0	10.0	---	6.0	17.0	23.0	24.0	32.0	32.0	31.0	29.0
3	26.0	15.5	9.5	---	9.0	17.5	24.5	25.0	33.0	32.0	31.0	27.0
4	26.0	17.0	11.0	9.0	9.5	18.0	24.5	25.5	31.0	33.0	31.0	28.0
5	26.5	16.5	11.5	---	9.0	16.0	21.0	27.5	31.0	32.0	31.0	26.0
6	24.5	16.5	11.0	---	8.5	15.0	21.5	29.0	29.0	31.5	31.0	26.0
7	23.0	14.5	11.0	---	8.5	13.0	22.0	28.0	29.5	32.0	31.0	28.0
8	19.5	14.5	9.0	---	6.5	13.5	23.5	28.0	30.0	32.0	31.0	28.0
9	19.5	13.0	12.0	---	8.0	14.5	23.0	27.0	30.0	32.0	32.0	28.0
10	20.0	17.0	11.5	10.0	10.0	16.0	22.5	26.0	30.0	32.0	28.0	28.0
11	20.5	16.0	12.0	8.5	11.5	19.0	26.0	27.0	30.0	31.0	28.0	29.0
12	---	15.5	12.0	9.0	16.0	18.0	22.5	26.0	29.0	30.0	---	29.0
13	---	13.5	13.5	10.5	14.0	19.5	23.5	25.0	28.5	31.0	---	29.0
14	22.5	---	13.0	9.5	13.0	18.5	24.5	27.5	29.5	32.0	---	28.0
15	23.0	11.0	13.0	10.0	13.5	20.0	23.5	27.0	31.0	31.0	---	27.0
16	22.5	11.0	12.5	9.5	12.0	20.5	25.0	27.0	31.0	30.0	---	27.0
17	19.5	11.5	12.0	7.5	12.0	21.0	25.5	26.0	31.0	31.0	---	29.0
18	20.0	13.0	13.0	6.5	14.0	22.5	23.5	27.0	31.0	31.0	---	29.0
19	20.5	13.0	---	6.0	16.5	25.0	23.0	27.0	31.5	30.0	---	29.0
20	19.5	14.0	14.5	3.5	16.0	21.0	---	27.0	32.0	30.0	---	29.0
21	16.5	13.5	---	5.5	14.5	21.5	---	26.5	32.0	31.0	---	30.0
22	17.5	14.0	10.5	6.0	16.5	18.0	---	28.0	32.0	31.0	28.0	30.0
23	17.0	13.0	---	9.0	17.5	18.5	---	28.0	32.0	31.0	28.0	30.0
24	21.0	14.0	8.0	9.5	16.5	17.5	---	28.0	32.0	31.0	28.0	30.0
25	21.0	14.5	10.0	11.0	17.5	17.0	---	28.0	---	31.0	27.0	30.0
26	20.0	15.5	---	9.0	19.5	19.5	---	28.0	---	31.0	27.0	31.0
27	17.5	14.5	10.5	10.0	18.5	20.5	---	30.5	---	31.0	29.0	30.0
28	16.5	13.0	12.5	13.0	17.0	21.0	---	31.0	---	32.0	29.0	30.0
29	16.0	11.5	---	9.5	---	21.5	20.5	30.0	---	31.0	28.0	29.0
30	18.0	10.0	14.0	8.5	---	22.5	---	29.0	---	32.0	27.0	29.0
31	15.5	---	12.5	7.0	---	24.0	---	31.0	---	33.0	29.0	---

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	2600	1500	---	540	1500	3800	7800	3200	3800	3100	4200
2	26	2800	2100	---	1000	1700	5700	4900	4000	3400	3200	3700
3	26	3100	2700	---	780	5300	6100	5000	3900	4700	3200	2800
4	26	4300	2100	560	720	5400	9400	4200	3600	4700	4300	2400
5	27	3200	2700	---	900	2000	4900	5300	5000	3300	3100	4000
6	25	3800	1500	---	400	1600	3300	4600	3500	3600	2900	4100
7	23	3400	1000	---	630	1000	3200	2700	3700	3500	4500	1400
8	20	3200	1000	---	800	1200	2900	2800	4600	3400	3100	600
9	3800	4500	1000	---	700	1300	2000	2700	4600	3400	3700	550
10	3900	4200	1100	390	700	2000	2100	2800	5200	3500	4300	520
11	3800	4700	1300	460	880	5000	3000	2700	5300	4200	4000	260
12	---	4300	1000	1100	1200	4100	3500	3200	4300	3700	4100	260
13	---	3700	800	940	1300	2600	3800	3100	4300	4400	---	350
14	4300	---	840	790	1400	1700	7000	3400	4000	3400	---	110
15	5200	3300	1500	160	1600	2000	6600	3400	6000	3300	---	110
16	4600	3600	720	180	1300	1800	7800	3300	5200	3600	---	110
17	4400	3200	700	220	1400	1800	6400	3500	4400	4400	---	360
18	6700	3800	900	310	1400	3100	6000	3600	2200	5200	---	340
19	4800	3600	---	180	1400	3100	6600	3600	4000	4400	---	380
20	4600	3400	650	1000	980	1900	9400	4700	4000	4200	---	350
21	4700	2300	400	490	1000	1700	9000	4400	3300	4000	---	740
22	4700	2300	---	720	1300	1700	6800	4200	3100	3900	300	750
23	4900	2600	---	1400	5400	1700	7900	3400	3000	4000	710	1200
24	5500	2700	600	1400	3200	1900	6200	3300	4000	4100	940	1200
25	5700	2700	680	69	2200	2400	6200	3700	---	---	1600	1600
26	4900	3500	---	610	2400	200	3400	3000	---	3800	1100	1600
27	4700	1700	190	760	2600	400	3800	3000	---	4300	1100	1300
28	4500	1500	140	1200	2100	800	3700	3200	---	3900	1400	1300
29	7000	1200	---	---	---	5700	3600	3700	---	4000	2100	2600
30	4100	2200	1300	---	---	700	7900	3700	---	3600	2900	2600
31	2300	---	750	---	---	5800	---	3900	---	3400	4200	---

MISSISSIPPI RIVER DELTA

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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 1976 TO SEPTEMBER 1977
ONCE-DAILY

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

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1500	---	130	71	70	68	340	37	74			4000
2	510	---	110	86	70	65	380	38	75			3400
3	1400	---	100	85	64	160	50	24	41			2200
4	2200	---	100	94	65	64	140	25	52			2300
5	3800	---	130	91	67	120	1000	26	60			2600
6	800	---	110	---	73	85	61	34	54			6600
7	1300	---	100	---	70	78	55	26	50			3100
8	340	150	93	---	58	70	110	26	48			1900
9	240	160	84	---	68	56	770	25	55			1900
10	700	140	90	65	68	74	78	30	46			1400
11	220	150	100	72	58	55	50	30	37			1000
12	1000	130	100	75	65	64	43	28	74			450
13	1200	120	130	66	62	52	45	27	52			340
14	---	120	100	74	60	49	44	29	59			220
15	---	140	120	71	58	52	50	28	---			230
16	---	360	130	74	60	42	46	28	---			120
17	---	380	100	69	65	48	57	32	---			110
18	---	230	100	74	55	45	160	29	---			110
19	---	760	110	68	55	38	60	30	---			100
20	---	---	110	54	50	45	380	24	---			89
21	---	---	110	55	55	38	4200	41	---			78
22	---	---	99	60	58	48	4700	28	---			83
23	---	140	110	58	52	42	200	23	---			78
24	---	130	98	64	68	50	80	25	---			88
25	---	100	80	52	75	70	84	26	---			86
26	---	130	86	50	90	64	200	25	---			82
27	---	110	100	48	74	56	47	39	---			51
28	---	120	97	64	58	2600	46	38	---			56
29	---	120	91	50	---	4400	43	40	---			58
30	---	130	85	51	---	7000	36	32	---			52
31	---	---	86	54	---	4600	---	39	---			---

MISSISSIPPI RIVER DELTA

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07381557 ATCHAFALAYA RIVER MAIN CHANNEL AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)

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

DRAINAGE AREA.--Indeterminate

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1605	562	8.2	5	7	8.8	6	.6	B8	<5	170	38
NOV 23...	1040	439	8.0	--	15	10.8	10	1.7	--	--	140	51
DEC 16...	1030	630	7.8	20	--	10.6	13	3.0	330	B43	220	120
JAN 13...	1000	416	7.2	30	30	--	8	--	B160	B10	150	57
FEB 17...	1035	323	7.9	80	55	9.6	13	1.5	B30	7	100	29
MAR 17...	1600	331	7.1	80	50	7.2	--	2.1	200	B120	90	33
MAY 25...	1525	314	7.6	50	55	6.0	19	1.6	B120	B28	140	53
JUN 16...	1235	893	8.0	20	30	6.4	18	.5	B220	8	220	100
JUL 19...	1250	459	8.1	15	45	7.0	25	.7	B250	B60	150	44
SEP 03...	1330	450	7.6	10	45	--	22	4.1	B92	0	140	50
07...	1440	470	7.8	10	40	7.1	20	1.9	B100	0	150	42

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
OCT 18...	44	15	163	0	134	1.6	74	50	--	19	<1.0	.32
NOV 23...	37	12	111	0	91	1.8	63	34	--	17	--	.72
DEC 16...	56	19	120	0	98	3.0	120	77	--	22	--	.39
JAN 13...	38	13	112	0	92	11	61	44	--	44	<1.0	.46
FEB 17...	27	8.2	88	0	72	1.8	33	25	--	43	<1.0	.28
MAR 17...	23	8.0	70	0	57	8.9	32	42	--	222	<1.0	.66
MAY 25...	37	12	108	0	89	4.3	37	19	95	--	<1.0	.73
JUN 16...	58	18	142	0	116	2.3	110	140	55	--	<1.0	.78
JUL 19...	42	12	134	0	110	1.7	50	42	69	--	<1.0	.75
SEP 03...	39	11	113	0	93	4.5	64	40	68	--	<1.0	.99
07...	40	11	126	0	100	3.2	61	37	24	--	<1.0	1.1

07381557 ATCHAFALAYA RIVER MAIN CHANNEL AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 18...	.01	.33	.61	.22	2	0	0	0	0	0	20	0
NOV 23...	.01	.73	--	.09	3	3	0	0	0	0	<10	0
DEC 16...	.01	.40	.57	.12	2	2	0	0	0	0	10	0
JAN 13...	.01	.47	.81	.10	3	1	0	0	0	0	<10	0
FEB 17...	.01	.29	.69	.14	2	1	0	0	0	0	10	0
MAR 17...	.03	.69	.83	.29	6	1	0	0	0	0	30	0
MAY 25...	.01	.74	.59	.19	2	2	0	0	0	0	20	0
JUN 16...	.00	.78	.57	.14	2	2	0	0	0	0	20	0
JUL 19...	.01	.76	.28	.17	2	1	0	0	0	0	10	0
SEP 03...	.01	1.0	1.5	.14	2	1	0	0	8	0	0	0
07...	.01	1.1	.32	.13	3	1	0	0	<10	1	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 18...	3	3	0	0	0	.1	.0	2	2	1	0	1.5
NOV 23...	3	3	30	3	0	.0	.0	3	3	0	0	.0
DEC 16...	5	5	10	0	0	.0	.0	3	3	1	1	.0
JAN 13...	6	6	40	0	0	.0	.0	3	3	0	0	.0
FEB 17...	7	5	120	3	0	.0	.0	8	2	0	0	3.0
MAR 17...	11	3	60	9	0	.0	.0	24	0	0	0	.0
MAY 25...	5	3	40	5	0	.0	.0	9	5	0	0	.0
JUN 16...	8	4	10	6	3	.0	.0	17	2	0	0	--
JUL 19...	7	2	0	36	3	.0	.0	9	0	0	0	--
SEP 03...	13	4	30	4	0	.0	.0	10	1	1	0	--
07...	5	5	10	3	0	.1	.0	6	2	1	1	.6

MISSISSIPPI RIVER DELTA

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07381557 ATCHAFALAYA RIVER MAIN CHANNEL AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 18...	10	10	11	.00	0	0	.0	.00	.00	.0	.00	.00
NOV 23...	0	0	4.9	.00	2	0	.0	.00	.00	.0	.00	.00
DEC 16...	10	10	11	.00	2	0	.0	.00	.00	.0	.00	.00
JAN 13...	10	10	6.8	.00	1	0	.0	.00	.00	.0	.00	.00
FEB 17...	10	10	9.2	.00	0	0	--	--	--	--	--	--
MAR 17...	50	10	7.8	.00	0	0	.0	.00	.00	.0	.00	.00
MAY 25...	40	0	7.8	.00	1	0	.0	.00	.00	.0	.00	.00
JUN 16...	30	20	5.3	.00	0	1	.0	.00	.000	.0	.000	.000
JUL 19...	20	0	8.2	.00	--	0	.0	.00	.000	.0	.000	.000
SEP 03...	30	0	4.4	.00	2	0	.0	.00	.000	.0	.000	.000
07...	20	0	4.6	.00	2	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
OCT 18...	.00	.01	.00	--	<.01	.00	.00	.00	.00	.00	--	.00
NOV 23...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 16...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 13...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 17...	--	.00	--	--	--	.00	--	--	--	.00	--	.00
MAR 17...	.00	.03	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 25...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JUN 16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 03...	.000	.00	.000	.000	.000	.00	.000	.001	.000	.00	.00	.00
07...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.01

MISSISSIPPI RIVER DELTA

07381557 ATCHAFALAYA RIVER MAIN CHANNEL AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	.00	.00	0	.00	.00	.02	.00	--	--	--	--
NOV 23...	.00	.00	.00	0	.00	.01	.02	.00	1.01	.466	--	--
DEC 16...	.00	.00	.00	0	.00	.00	.00	.00	1.66	.242	--	--
JAN 13...	.00	.00	.00	0	.00	.08	.05	.00	1.37	.117	--	--
FEB 17...	.00	.00	.00	--	.00	.05	.02	.00	--	--	.783	.052
MAR 17...	.00	.00	.00	0	.00	.03	.00	.00	--	--	--	--
MAY 25...	.00	.00	.00	0	.00	.11	.00	.00	--	--	.635	.092
JUN 16...	.00	.00	.00	0	.00	.01	.00	.00	--	--	.706	.218
JUL 19...	.00	.00	.00	0	.00	.00	.01	.00	--	--	--	--
SEP 03...	.00	.00	.00	0	.00	.01	.00	.00	--	--	--	--
07...	.00	.00	.00	0	.00	.01	.03	.02	--	--	--	--

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 at mean sea level (Louisiana Geodetic Survey bench mark).

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

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.95 ft (1.509 m) Apr. 21, minimum, -0.96 ft (-0.293 m) Nov. 29.

DISCHARGE MEASUREMENTS MADE DURING PERIOD JULY 1975 TO SEPTEMBER 1977

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
July 2, 1975.....	125,400	Apr. 1.....	134,000	Feb. 16.....	20,900
July 10.....	116,000	Apr. 7.....	137,000	Mar. 2.....	31,900
July 16.....	104,000	Apr. 14.....	132,000	Mar. 16.....	102,000
Aug. 6.....	73,600	May 5.....	69,600	Mar. 30.....	101,000
Aug. 11.....	70,500	May 18.....	79,500	Apr. 13.....	103,000
Aug. 19.....	52,200	June 2.....	66,000	Apr. 20.....	115,000
Aug. 29.....	52,500	June 15.....	60,000	Apr. 28.....	111,000
Sept. 4.....	30,741	June 30.....	60,800	May 4.....	92,900
Sept. 18.....	31,700	July 13.....	73,800	May 10.....	76,200
Oct. 1.....	52,200	July 28.....	54,100	May 18.....	62,900
Oct. 30.....	72,400	Aug. 12.....	34,700	June 1.....	51,300
Nov. 12.....	54,400	Aug. 25.....	33,900	June 8.....	34,100
Dec. 5.....	61,400	Sept. 8.....	29,800	June 22.....	36,300
Dec. 17.....	68,600	Sept. 22.....	10,100	July 6.....	58,500
Jan. 28, 1976.....	78,500	Oct. 6.....	7,930	July 13.....	51,400
Feb. 11.....	76,700	Oct. 20.....	19,600	July 27.....	30,000
Feb. 25.....	74,200	Nov. 11.....	43,700	Aug. 3.....	42,500
Mar. 4.....	103,000	Dec. 1.....	13,800	Aug. 10.....	29,000
Mar. 11.....	122,300	Jan. 5, 1977...	32,000	Aug. 16.....	30,800
Mar. 17.....	141,000	Jan. 21.....	44,900	Sept. 8.....	39,300
Mar. 24.....	133,000	Feb. 3.....	38,000	Sept. 20.....	42,000

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	.53	.15	---	.17	.33	2.57	3.81	2.70	2.36	1.86	3.06
2	---	.56	-.04	---	.55	.73	3.30	3.57	2.68	1.70	2.02	2.89
3	---	.31	-.16	---	.81	1.02	3.35	3.53	2.64	2.05	1.67	2.28
4	---	.40	-.10	---	.55	1.47	3.88	3.46	2.44	1.91	2.05	2.77
5	---	.32	.11	---	.67	1.40	3.22	3.33	2.10	1.65	1.99	2.96
6	---	.61	.59	.66	.38	1.38	2.98	3.41	2.11	1.50	2.20	2.86
7	.83	.67	.35	.10	.56	1.58	2.77	3.05	1.39	1.46	2.02	2.44
8	.22	-.20	-.06	.86	.63	2.18	2.84	2.75	1.40	1.37	1.92	1.91
9	.16	1.21	.45	1.82	.81	2.45	2.69	2.36	2.02	1.50	2.21	2.43
10	.54	1.56	.95	-.13	.70	2.46	2.68	2.01	1.88	1.88	2.07	2.48
11	.80	1.14	1.29	.42	.41	2.82	2.94	2.19	1.88	2.21	2.59	1.71
12	1.03	.37	1.43	.66	.20	2.63	2.96	2.42	1.87	2.08	2.48	2.28
13	1.15	.92	.73	.60	-.15	2.31	3.11	2.50	2.15	1.97	2.33	2.60
14	1.10	.64	.83	1.08	.05	2.43	3.23	2.57	2.47	1.91	2.52	2.66
15	1.26	.76	.79	.39	.14	2.53	3.41	2.63	2.24	2.19	2.06	2.39
16	1.46	.53	.49	.65	-.22	2.40	3.52	2.69	2.27	1.87	---	2.33
17	-.11	.59	---	.14	.54	2.53	3.72	2.72	2.33	2.14	1.99	2.35
18	.86	.40	---	.83	.70	3.03	3.79	2.84	2.16	2.15	2.02	2.40
19	.94	.61	---	-.19	.72	3.19	3.85	2.79	2.21	2.16	2.02	2.48
20	-.31	.75	---	.64	-.08	2.63	4.35	2.48	2.10	2.33	1.66	2.19
21	.22	.55	---	.47	1.00	3.20	4.81	2.73	1.87	1.80	1.89	2.27
22	.84	.28	---	.60	1.39	2.38	4.36	2.28	1.59	1.70	1.96	2.06
23	1.11	.48	---	1.07	2.12	2.57	3.98	2.12	1.55	1.67	2.47	2.33
24	1.35	.56	---	1.05	1.45	2.85	3.82	2.03	1.37	1.81	2.19	2.40
25	1.77	.75	---	.40	1.16	3.01	3.79	1.66	1.28	1.86	2.02	2.41
26	1.22	1.41	---	.64	1.35	2.82	3.62	1.51	1.36	1.79	2.35	2.48
27	1.13	1.15	---	.66	.41	3.08	3.47	1.32	1.77	2.32	2.60	2.42
28	.91	.34	---	.47	.45	3.76	3.42	1.43	2.13	2.38	2.84	2.19
29	1.04	-.87	---	-.14	---	3.32	3.40	1.71	2.01	2.42	2.29	2.47
30	1.73	-.45	---	.45	---	3.16	3.32	1.79	2.64	2.20	3.01	2.76
31	.26	---	---	.03	---	2.64	---	1.86	---	2.10	3.17	---
MEAN	---	.56	---	---	.62	2.40	3.44	2.50	2.02	1.95	---	2.44
MAX	---	1.56	---	1.82	2.12	3.76	4.81	3.81	2.70	2.42	3.17	3.06
MIN	-.31	-.87	-.16	-.19	-.22	.33	2.57	1.32	1.28	1.37	1.66	1.71

MISSISSIPPI RIVER DELTA

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.--

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, 32.0°C July 29 to Aug. 1; minimum daily, 5.0°C Jan. 18 to Feb. 3.

CHLORIDE: Maximum daily, 150 mg/L June 13, 14; minimum daily, 14 mg/L Mar. 31, Apr. 19, 20, 22, 23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1550	572	8.3	5	7	8.8	--	1.3	B25	B3	180	44
NOV 23...	1020	415	7.9	--	15	10.6	10	1.4	220	B37	140	43
DEC 16...	1020	472	7.8	15	--	11.0	14	3.0	600	44	150	40
JAN 13...	0940	563	7.2	10	50	--	17	--	1400	240	180	100
FEB 17...	1020	349	7.6	50	60	10.4	22	1.8	220	B23	100	8
MAR 17...	1545	307	7.5	100	55	7.8	70	1.6	1200	B90	98	34
APR 25...	1735	229	7.7	110	75	--	31	--	--	--	90	28
MAY 25...	1510	328	8.0	45	60	6.6	20	1.2	B58	B24	120	35
JUN 16...	1215	1140	8.0	10	30	7.0	18	.9	B60	--	250	140
JUL 19...	1235	499	8.0	25	50	7.0	15	1.2	B200	B18	150	46
SEP 03...	1320	444	7.7	10	30	--	24	1.8	<5	0	150	55
07...	1430	433	8.0	10	20	6.8	16	1.2	B180	0	150	48

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
OCT 18...	45	16	164	0	135	1.3	76	53	--	9	<1.0	.26
NOV 23...	36	11	113	0	93	2.3	58	30	--	22	--	.73
DEC 16...	39	13	135	0	111	3.4	61	41	--	23	--	.43
JAN 13...	44	18	101	0	83	10	120	50	--	121	<1.0	.58
FEB 17...	28	7.8	115	0	94	4.6	35	38	--	49	<1.0	.33
MAR 17...	26	8.0	78	0	64	3.9	34	49	--	110	<1.0	.77
APR 25...	25	6.7	76	0	62	2.4	23	14	206	--	<1.0	.69
MAY 25...	33	9.9	108	0	89	1.7	43	19	128	--	<1.0	.87
JUN 16...	63	22	140	0	115	2.2	120	210	42	--	<1.0	.74
JUL 19...	42	12	132	0	110	2.1	50	53	7	--	<1.0	.78
SEP 03...	40	11	110	0	90	3.5	68	34	43	--	<1.0	.95
07...	40	11	118	0	97	1.9	57	34	25	--	<1.0	.97

MISSISSIPPI RIVER DELTA

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07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 18...	.02	.28	.29	.39	2	--	0	0	0	0	20	0
NOV 23...	.01	.74	--	.09	2	2	0	0	0	0	<10	0
DEC 16...	.02	.45	.61	.10	2	2	0	0	0	0	10	0
JAN 13...	.01	.59	.81	.13	3	1	0	0	1	0	<10	0
FEB 17...	.02	.35	.91	.12	2	1	0	0	0	0	20	0
MAR 17...	.03	.80	1.1	.32	4	1	0	0	1	0	20	0
APR 25...	.03	.72	.66	.42	2	1	0	0	0	0	10	0
MAY 25...	.01	.88	.65	.18	2	2	0	0	0	0	20	0
JUN 16...	.00	.74	.54	.13	2	1	0	0	0	0	10	0
JUL 19...	.01	.79	.27	.18	2	0	0	0	0	0	10	0
SEP 03...	.02	.97	.47	.12	1	0	0	0	8	0	0	0
07...	.03	1.0	1.0	.15	1	1	10	0	10	0	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 18...	3	3	0	0	0	.0	.0	3	2	1	--	--
NOV 23...	3	3	40	1	0	.0	.0	7	2	0	0	8.0
DEC 16...	9	9	30	2	0	.0	.0	3	0	1	1	.0
JAN 13...	6	3	40	3	0	.0	.0	13	11	0	0	.0
FEB 17...	9	9	60	3	0	.0	.0	5	4	0	0	.0
MAR 17...	13	6	70	12	0	.1	.0	22	2	0	0	5.0
APR 25...	13	3	20	10	0	.0	.0	15	0	0	0	1.0
MAY 25...	6	3	20	7	0	.0	.0	8	4	0	0	.0
JUN 16...	4	4	10	5	5	.0	.0	30	2	0	0	--
JUL 19...	8	5	10	.6	4	.0	.0	10	0	0	0	--
SEP 03...	10	3	20	1	0	.0	.0	7	2	1	1	--
07...	15	15	20	2	0	.1	.0	4	2	1	1	.5

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 18...	10	0	11	.00	0	0	.0	.00	.00	.0	.00	.00
NOV 23...	20	20	6.2	.00	0	0	.0	.00	.00	.0	.00	.00
DEC 16...	30	10	8.2	.00	0	0	.0	.00	.00	.0	.00	.00
JAN 13...	30	20	7.0	.00	6	0	.0	.00	.00	.0	.00	.00
FEB 17...	10	10	8.0	.00	2	2	.0	.00	.00	.0	.00	.00
MAR 17...	70	20	4.5	.00	0	0	.0	.00	.00	.0	.00	.00
APR 25...	50	10	10	.00	1	0	.0	.00	.00	.0	.00	.00
MAY 25...	40	10	7.5	.00	2	1	.0	.00	.00	.0	.00	.00
JUN 16...	30	30	3.9	.00	0	1	.0	.00	.000	.0	.000	.000
JUL 19...	20	0	10	.00	0	0	.0	.00	.000	.0	.000	.000
SEP 03...	20	0	4.3	.00	0	0	.0	.00	.000	.0	.000	.000
07...	10	10	3.3	.00	4	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
OCT 18...	.00	.01	.00	--	<.01	.00	.00	.00	.00	.00	--	.00
NOV 23...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.02
DEC 16...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 13...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 17...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAR 17...	.00	.02	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 25...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 25...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JUN 16...	.000	.00	.000	.000	.000	.00	.000	.001	.000	.00	.00	.00
JUL 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 03...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.01
07...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

MISSISSIPPI RIVER DELTA

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07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	.00	.00	0	.00	.00	.02	.00	--	--	--	--
NOV 23...	.00	.00	.00	0	.00	.00	.03	.00	3.99	.525	--	--
DEC 16...	.00	.00	.00	0	.00	.08	.03	.00	1.19	.181	--	--
JAN 13...	.00	.00	.00	0	.00	.07	.04	.00	2.78	.762	--	--
FEB 17...	.00	.00	.00	0	.00	.08	.02	.00	--	--	.435	.000
MAR 17...	.00	.00	.00	0	.00	.00	370	.00	3.49	2.43	--	--
APR 25...	.00	.00	.00	0	.00	.02	.00	.00	--	--	.121	.130
MAY 25...	.00	.00	.00	.0	.00	.07	.00	.00	--	--	.244	.061
JUN 16...	.00	.00	.00	.0	.00	.02	.00	.00	--	--	.599	2.15
JUL 19...	.00	.00	.00	.0	.00	.00	.01	.00	--	--	--	--
SEP 03...	.00	.00	.00	.0	.00	.01	.03	.01	--	--	.702	.180
07...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	1.03	.052

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	18.0	10.0	7.0	5.0	12.0	15.5	20.5	26.0	30.0	32.0	28.5
2	25.5	17.0	10.5	7.0	5.0	12.0	15.5	20.5	26.5	30.5	31.5	29.0
3	---	17.0	10.5	7.0	5.0	12.0	15.5	20.5	27.0	31.0	31.5	29.0
4	25.5	17.0	10.5	7.0	---	12.0	15.5	21.0	27.0	31.0	31.5	29.0
5	25.5	16.5	10.5	---	---	12.0	16.0	21.0	27.0	31.0	31.0	29.0
6	25.0	16.5	10.5	---	---	12.0	16.0	21.0	28.0	31.0	31.0	28.5
7	24.5	16.5	10.0	---	---	---	16.0	21.0	28.0	31.0	31.0	28.5
8	24.5	16.5	9.5	---	6.0	12.0	16.0	21.0	28.0	31.0	31.0	28.5
9	24.5	16.5	9.5	---	6.0	12.0	16.5	21.5	28.0	31.0	31.0	28.5
10	24.5	16.0	9.5	6.0	6.0	12.0	16.5	22.0	28.0	31.0	31.0	28.0
11	24.5	16.5	9.5	---	6.0	12.0	17.0	23.0	28.0	30.0	31.5	28.0
12	24.0	15.0	9.5	6.0	6.0	12.0	18.0	23.5	28.0	---	31.5	29.0
13	24.0	14.0	9.5	6.5	6.5	12.0	18.0	23.5	29.0	---	31.5	29.0
14	24.0	13.0	---	7.0	6.5	12.0	18.0	23.5	28.5	---	31.5	29.0
15	24.0	13.0	9.5	7.0	6.5	12.0	18.5	23.5	28.5	---	31.5	29.0
16	24.0	12.0	9.5	---	6.5	12.0	18.5	24.0	28.5	---	31.5	29.0
17	23.5	12.0	9.5	---	6.5	13.5	---	24.0	29.0	---	31.5	29.0
18	---	12.0	9.5	5.0	6.5	14.0	18.0	24.0	29.0	---	31.5	29.0
19	22.0	12.0	9.5	5.0	6.5	15.0	18.0	24.0	---	---	31.0	29.0
20	---	---	9.5	5.0	7.0	15.5	18.0	24.0	29.0	---	31.0	29.0
21	20.5	---	9.5	5.0	7.0	15.5	---	24.0	29.0	---	31.0	28.5
22	19.5	---	9.0	5.0	7.0	15.0	18.0	24.0	29.0	---	31.0	28.5
23	19.5	11.5	8.5	5.0	7.0	15.0	18.0	24.0	29.5	---	31.0	28.5
24	19.5	11.5	8.5	5.0	---	15.0	19.0	24.0	29.5	---	31.0	28.5
25	19.5	11.5	---	5.0	---	15.0	19.5	24.5	29.5	---	31.0	28.5
26	19.5	---	8.5	5.0	---	15.0	20.0	24.5	29.5	31.0	30.5	28.5
27	19.0	11.5	8.5	5.0	---	15.0	20.0	25.0	29.5	31.0	30.0	28.5
28	18.5	10.0	9.0	5.0	---	---	20.5	25.5	29.5	31.0	29.5	28.0
29	18.5	10.0	9.0	5.0	---	15.0	20.5	---	29.5	32.0	29.0	28.0
30	18.5	10.0	9.0	5.0	---	15.0	20.5	---	29.5	32.0	29.0	28.0
31	18.0	---	9.0	5.0	---	15.0	---	25.5	---	32.0	29.0	---

MISSISSIPPI RIVER DELTA
07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	58	48	43	29	94	15	22	30	84	50	49
2	72	62	42	43	48	28	17	22	36	86	42	46
3	---	63	36	38	28	30	17	24	44	84	40	55
4	68	64	46	58	---	28	---	24	61	88	40	50
5	64	42	41	---	---	34	24	21	82	92	40	44
6	55	52	50	---	---	26	22	17	88	92	43	36
7	59	40	52	---	---	---	20	17	92	88	48	36
8	70	40	60	---	36	25	20	17	110	78	46	39
9	69	46	69	---	32	21	19	19	110	70	67	35
10	71	40	47	33	30	24	21	15	120	78	60	41
11	67	41	55	---	30	36	21	16	120	74	53	35
12	74	40	53	52	30	22	19	16	---	---	70	37
13	70	36	81	36	28	21	17	33	150	---	50	51
14	71	38	---	38	34	19	23	16	150	---	52	46
15	76	38	60	40	36	29	15	18	140	---	53	42
16	68	41	44	---	37	21	21	16	140	---	55	52
17	70	36	50	---	36	18	---	19	140	---	52	42
18	---	34	52	62	38	38	16	22	140	---	55	34
19	78	60	52	36	34	16	14	23	---	---	60	46
20	---	---	58	38	32	24	14	20	120	---	64	40
21	66	---	52	40	30	18	---	23	130	---	75	42
22	---	---	46	42	30	19	14	21	130	---	52	34
23	78	50	50	42	34	18	14	19	120	---	52	34
24	82	48	44	40	32	21	15	22	110	---	48	30
25	54	48	---	46	30	16	18	19	110	---	62	30
26	48	---	44	50	28	19	18	20	99	37	52	36
27	48	58	44	58	30	17	20	20	91	34	80	29
28	50	46	44	46	30	---	24	21	100	37	66	31
29	55	53	40	41	---	15	21	---	88	38	58	27
30	50	47	40	34	---	16	20	27	86	38	42	29
31	90	---	42	44	---	14	---	25	---	42	43	---

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 at mean sea level (Louisiana Geodetic Survey bench mark).

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

EXTREMES FOR CURRENT YEAR.--Maximum elevation, not determined; minimum, -0.94 ft (-0.286 m) Nov. 29.

DISCHARGE MEASUREMENTS MADE DURING PERIOD JULY 1975 TO SEPTEMBER 1977

Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)	Date	Discharge (ft ³ /s)
July 7, 1975.....	217,000	Apr. 1.....	243,000	Feb. 16.....	83,400
July 10.....	192,000	Apr. 7.....	244,000	Mar. 2.....	103,000
July 16.....	174,000	Apr. 14.....	224,000	Mar. 16.....	205,000
Aug. 6.....	135,000	May 5.....	108,000	Mar. 30.....	179,000
Aug. 11.....	122,000	May 18.....	134,000	Apr. 13.....	203,000
Aug. 19.....	95,400	June 2.....	64,800	Apr. 20.....	177,000
Aug. 29.....	107,000	June 15.....	113,000	Apr. 28.....	210,000
Sept. 4.....	78,400	June 30.....	101,000	May 4.....	165,000
Sept. 18.....	62,400	July 13.....	135,000	May 10.....	130,000
Oct. 1.....	86,100	July 28.....	106,000	May 18.....	112,000
Oct. 30.....	98,200	Aug. 12.....	86,200	June 1.....	41,800
Nov. 12.....	109,000	Aug. 25.....	89,500	June 8.....	52,300
Dec. 5.....	112,000	Sept. 8.....	69,400	June 22.....	43,000
Dec. 17.....	78,400	Sept. 22.....	54,000	July 6.....	60,200
Jan. 28, 1976.....	90,300	Oct. 6.....	62,400	July 13.....	104,000
Feb. 11.....	125,000	Oct. 20.....	72,500	July 27.....	85,800
Feb. 25.....	140,000	Nov. 10.....	104,000	Aug. 3.....	45,300
Mar. 5.....	169,000	Dec. 1.....	39,800	Aug. 10.....	59,600
Mar. 11.....	164,000	Jan. 5, 1977...	98,500	Aug. 16.....	67,900
Mar. 17.....	250,000	Jan. 21.....	97,300	Sept. 8.....	90,000
Mar. 24.....	247,000	Feb. 3.....	101,000	Sept. 20.....	84,000

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	.25	.08	.06	.14	.39	2.16	3.23	2.38	2.22	1.71	2.60
2	1.03	.59	-.04	.41	.47	.65	2.71	3.05	2.43	1.64	1.68	2.70
3	.98	.31	-.13	.78	.70	.94	2.79	3.20	2.43	1.55	1.34	2.20
4	1.29	.41	-.07	.61	.54	1.80	2.61	3.00	1.97	1.53	1.72	2.20
5	2.01	.35	.07	1.06	.65	1.30	2.70	2.80	1.68	1.26	1.60	2.10
6	.57	.55	.51	.66	.28	1.30	2.60	2.73	1.69	1.18	1.87	3.10
7	.83	.65	.42	.27	.46	1.30	2.30	2.45	1.33	1.23	1.86	2.30
8	.25	.00	.02	.63	.48	1.70	2.30	2.15	.99	1.16	1.78	1.76
9	.20	1.06	.47	1.74	.54	1.70	2.30	1.92	1.74	1.26	2.02	2.35
10	.55	1.04	.96	.08	.31	1.70	2.40	1.80	1.68	1.64	1.95	2.34
11	.78	1.03	1.23	.11	.11	2.00	2.50	1.88	1.74	1.99	2.47	1.66
12	.98	.36	1.20	.40	.02	2.20	2.60	2.11	1.72	1.97	2.24	2.17
13	1.09	.95	.58	.35	-.15	2.20	2.70	2.17	2.00	1.83	2.18	2.46
14	1.02	.70	.44	.98	.03	2.20	2.66	2.27	2.20	1.84	2.35	2.63
15	1.13	.57	.77	.52	.11	2.20	2.80	2.29	2.15	1.97	2.00	2.22
16	1.27	.48	.42	.74	-.19	2.10	2.94	2.38	2.04	1.65	1.84	2.10
17	.03	.65	.11	.21	.50	2.20	3.09	2.39	2.06	1.66	1.90	2.12
18	.58	.40	.50	.97	.66	2.60	3.24	2.48	1.89	1.84	1.86	2.20
19	.86	.62	.63	-.18	.66	2.80	3.23	2.39	1.97	1.85	1.78	2.22
20	-.17	.75	1.10	.83	-.04	2.80	3.65	2.02	1.79	2.05	1.55	1.98
21	.27	.62	.12	.57	.82	2.80	4.10	2.19	1.58	1.42	1.69	2.09
22	.89	.35	1.32	.60	1.22	2.10	3.80	1.87	1.30	1.36	1.85	1.91
23	1.07	.47	.94	.93	1.79	2.10	3.50	1.80	1.18	1.37	2.20	2.14
24	1.30	.54	1.06	.80	1.14	2.30	3.30	1.67	1.03	1.50	2.00	2.24
25	1.69	.71	1.77	.24	.86	2.40	3.20	1.30	1.07	1.60	1.88	2.12
26	1.12	1.23	.41	.24	.96	2.40	3.20	1.26	1.21	1.80	2.20	2.29
27	.94	.99	.61	.51	.51	2.70	3.20	1.19	1.61	2.40	2.40	2.19
28	.68	.42	.72	.33	.30	3.40	3.10	1.33	1.99	2.25	2.67	1.98
29	.93	-.81	.08	-.18	---	2.70	3.00	1.56	1.93	2.37	2.12	2.26
30	1.81	-.47	.42	.41	---	2.62	2.93	1.64	2.44	2.07	2.64	2.54
31	.27	---	.51	-.03	---	2.18	---	1.77	---	2.05	2.89	---
MEAN	.88	.53	.56	.51	.50	2.06	2.92	2.14	1.77	1.73	2.01	2.17
MAX	2.01	1.23	1.77	1.74	1.79	3.40	4.10	3.23	2.44	2.40	2.89	3.10
MIN	-.17	-.81	-.13	-.18	-.19	.39	2.16	1.19	.99	1.16	1.34	1.66

NOTE.--Elevations for periods Mar. 4-29, Apr. 5-13, 21-28, July 25-27, and Sept. 1-7 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.--

CHLORIDE: Maximum daily, 160 mg/L June 14, 15, 16, 1977; minimum daily, 11 mg/L Jan. 6, May 11, 1976.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 28; minimum daily, 5.0°C Jan. 19, 20, 21, 31, Feb. 1, 2.

CHLORIDE: Maximum daily, 160 mg/L June 14, 15, 16; minimum daily, 15 mg/L Mar. 21, 23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE CHEMICAL OXYGEN DEMAND PER 100 ML	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1520	685	8.2	5	8	8.3	16	1.5	950	847	180	47
NOV 23...	1005	462	8.1	--	15	10.6	14	2.0	250	817	140	46
DEC 16...	1010	541	7.8	15	--	11.0	10	3.0	280	54	170	63
JAN 13...	0920	461	7.2	30	40	--	11	--	580	88	140	48
FEB 17...	1010	331	7.7	50	60	10.6	22	2.0	300	25	110	26
MAR 17...	1530	331	7.7	50	45	7.6	70	1.2	1400	8150	130	46
APR 25...	1825	248	7.7	60	75	--	--	--	--	--	100	38
MAY 25...	1455	343	8.0	30	55	6.8	12	1.6	892	843	130	41
JUN 16...	1205	991	8.1	20	15	6.9	11	.9	840	--	220	100
JUL 19...	1225	481	8.0	25	35	6.9	5	.8	8130	836	150	48
SEP 03...	1305	498	7.5	5	25	--	23	1.5	220	0	150	60
07...	1420	464	7.8	15	25	6.5	19	1.3	200	0	140	45

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
OCT 18...	47	16	166	0	136	1.7	74	89	--	13	<1.0	.28
NOV 23...	35	12	111	0	91	1.4	61	42	--	24	--	.71
DEC 16...	42	16	131	0	107	3.3	71	85	--	22	--	.43
JAN 13...	39	11	115	0	94	12	56	48	--	55	<1.0	.49
FEB 17...	28	8.8	98	0	80	3.1	36	42	--	67	<1.0	.34
MAR 17...	36	8.9	102	0	84	3.3	32	30	--	151	<1.0	.27
APR 25...	29	7.5	76	0	62	2.4	29	16	186	--	<1.0	.67
MAY 25...	34	10	109	0	89	1.7	44	26	112	--	<1.0	.92
JUN 16...	60	18	141	0	116	1.8	110	170	9	--	<1.0	.71
JUL 19...	42	12	130	0	110	2.1	50	49	46	--	<1.0	.74
SEP 03...	40	11	110	0	90	5.6	70	53	31	--	<1.0	.89
07...	39	11	119	0	98	3.0	60	41	22	--	<1.0	.96

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 18...	.02	.30	.33	.17	1	0	0	0	0	0	10	0
NOV 23...	.01	.72	--	.04	1	0	0	0	0	0	10	0
DEC 16...	.01	.44	.98	.09	2	1	0	0	0	0	10	0
JAN 13...	.02	.51	.95	.12	2	1	0	0	2	0	10	0
FEB 17...	.02	.36	.79	.13	2	1	0	0	0	0	20	0
MAR 17...	.02	.29	.88	.86	3	1	0	0	1	0	30	0
APR 25...	.03	.70	.62	.41	3	1	0	0	0	0	10	0
MAY 25...	.01	.93	.67	.18	2	2	0	0	0	0	20	0
JUN 16...	.00	.71	.51	.09	2	2	0	0	0	0	<10	0
JUL 19...	.00	.74	.18	.13	2	1	0	0	0	0	10	0
SEP 03...	.01	.90	1.2	.10	2	1	0	0	12	0	10	0
07...	.02	.98	.82	.11	2	1	10	10	<10	0	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 18...	3	3	10	0	0	.1	.0	3	1	1	0	1.5
NOV 23...	3	3	30	2	1	.0	.0	5	3	0	0	.0
DEC 16...	5	5	10	2	0	.0	.0	2	2	1	1	.0
JAN 13...	8	8	30	4	0	.1	.0	5	5	0	0	1.0
FEB 17...	7	7	50	4	0	.0	.0	5	2	0	0	.0
MAR 17...	13	6	150	10	0	.1	.1	34	2	0	0	10
APR 25...	13	3	50	10	0	.0	.0	15	0	0	0	2.0
MAY 25...	4	3	20	5	2	.0	.0	6	3	0	0	.0
JUN 16...	4	4	10	4	3	.0	.0	5	3	0	0	--
JUL 19...	5	3	10	5	5	.0	.0	9	0	0	0	--
SEP 03...	7	4	20	0	0	.0	.0	6	2	0	0	--
07...	13	13	20	2	0	.0	.0	4	2	1	0	.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY-CHLORINATED NAPH-THA-LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 18...	10	0	8.6	.00	0	0	.0	.00	.00	.0	.00	.00
NOV 23...	10	0	4.0	.00	2	0	.0	.00	.00	.0	.00	.00
DEC 16...	20	10	7.4	.00	1	0	.0	.00	.00	.0	.00	.00
JAN 13...	0	0	7.1	.00	2	0	.0	.00	.00	.0	.00	.00
FEB 17...	10	10	7.4	.00	0	3	.0	.00	.00	.0	.00	.00
MAR 17...	70	30	4.7	.00	0	0	.0	.00	.00	.0	.00	.00
APR 25...	30	10	11	.00	1	0	.0	.00	.00	.0	.00	.00
MAY 25...	30	0	8.2	.00	1	1	.0	.00	.00	.0	.00	.00
JUN 16...	20	20	4.7	.00	0	1	.0	.00	.00	.0	.00	.00
JUL 19...	20	10	7.5	.00	2	0	.0	.00	.00	.0	.00	.00
SEP 03...	20	0	3.9	.00	2	0	.0	.00	.00	.0	.00	.00
07...	10	10	4.7	.00	4	0	.0	.00	.00	.0	.00	.00

[illegible]

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	.00	.00	0	.00	.00	.04	.00	--	--	--	--
NOV 23...	.00	.00	.00	0	.00	.08	.03	.00	.61	.117	--	--
DEC 16...	.00	.00	.00	0	.00	.00	.00	.00	.78	.234	--	--
JAN 13...	.00	.00	.00	0	.00	.11	.05	.00	3.27	.218	--	--
FEB 17...	.00	.00	.00	0	.00	.04	.02	.00	--	--	.030	.000
MAR 17...	.00	.00	.00	0	.00	.00	.00	.00	2.07	1.29	--	--
APR 25...	.00	.00	.00	0	.00	.02	.01	.00	--	--	.072	.174
MAY 25...	.00	.00	.00	0	.00	.04	.00	.00	--	--	.809	.097
JUN 16...	.00	.00	.00	0	.00	.03	.01	.00	--	--	--	--
JUL 19...	.00	.00	.00	0	.00	.00	.00	.00	--	--	.622	.138
SEP 03...	.00	.00	.00	0	.00	.09	.03	.01	--	--	.527	.011
07...	.00	.00	.00	0	.00	--	--	--	--	--	1.42	.079

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

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

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	86		---	62	30	18	---	32	96	68	51
2	130	53		---	32	30	22	18	44	86	77	50
3	---	60		---	30	25	---	18	52	---	63	58
4	72	42		60	30	25	24	20	---	98	60	---
5	70	---		48	38	---	24	20	---	90	55	55
6	69	---		46	---	---	22	22	66	100	50	---
7	76	---		57	40	31	19	22	94	85	---	---
8	100	---		80	42	26	18	---	110	75	56	---
9	90	---		---	35	20	26	18	130	83	67	---
10	---	---		66	33	---	---	21	130	---	64	---
11	88	---		59	31	24	20	19	120	65	68	---
12	98	---		56	---	25	17	21	---	68	50	---
13	88	---		46	---	---	18	19	140	60	44	---
14	98	---		54	28	21	16	20	160	66	---	55
15	100	---		52	30	22	17	---	160	74	67	56
16	84	---		---	34	24	18	22	160	71	140	51
17	---	---		72	35	23	---	27	150	---	70	54
18	89	---		56	34	22	20	23	140	56	84	---
19	68	---		61	34	19	19	23	---	62	68	50
20	63	---		49	34	---	27	25	140	49	---	55
21	59	---		52	34	15	82	28	140	59	---	56
22	75	---		49	50	19	23	---	130	70	52	45
23	54	---		---	30	15	18	30	120	71	77	46
24	---	---		49	29	17	---	27	120	---	40	45
25	50	---		50	31	24	30	28	---	60	48	---
26	46	---		62	26	18	30	26	---	64	52	48
27	39	---		58	---	---	16	30	140	58	45	45
28	67	---		56	32	17	22	23	120	56	---	56
29	51	---		50	---	17	24	---	100	64	44	42
30	43	---		---	---	17	25	25	95	53	44	52
31	---	---		48	---	18	---	28	---	---	37	---

MISSISSIPPI RIVER DELTA

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07381655 ELLIOT JONES CANAL AT GREENWOOD, LA

LOCATION.--Lat 29°36'54", long 90°54'42", in lot 14, T.17 S., R.15 E., Terrebonne Parish, Hydrologic Unit 08090302, on north side of canal at Shell Oil Co. boat dock, 0.6 mi (1.0 km) southwest of Greenwood, and 1.3 mi (2.1 km) downstream from Bayou Black.

PERIOD OF RECORD.--March 1974 to September 1977 (elevations only). Discontinued September 1977.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

REMARKS.--Elevation affected by tide at low stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.97 ft (1.210 m) May 31, 1975; minimum, 0.68 ft (0.207 m) Feb. 16, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.27 ft (0.997 m) Sept. 7; minimum, 0.68 ft (0.207 m) Feb. 16.

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.47	1.24	1.10	1.35	1.25	1.30	2.18	2.50	1.85	1.70	1.67	2.85
2	1.45	1.39	1.20	1.32	1.35	1.34	2.21	2.62	1.87	1.63	1.50	2.90
3	1.35	1.20	1.10	1.64	1.53	---	2.27	2.62	1.91	1.54	1.60	2.85
4	1.45	1.24	1.15	1.67	1.59	2.08	2.36	2.63	1.91	1.57	1.64	2.75
5	1.65	1.33	1.17	1.87	1.45	1.95	2.41	2.61	1.95	1.60	1.92	3.05
6	1.84	1.19	1.30	1.72	1.24	1.77	2.30	2.60	1.98	1.55	1.93	3.23
7	1.49	1.34	1.85	1.73	1.06	1.54	2.20	2.60	1.98	1.58	2.03	3.24
8	1.30	1.15	1.57	1.62	.93	1.45	2.10	2.57	1.80	1.60	2.03	3.17
9	.90	1.25	1.45	1.73	1.00	1.55	1.98	2.51	2.03	1.61	2.02	3.09
10	1.06	1.37	1.45	1.77	1.04	1.63	1.87	2.45	2.05	1.71	1.98	3.01
11	1.24	1.40	1.60	1.20	1.05	1.80	1.93	2.40	2.00	1.70	2.00	2.94
12	1.35	1.50	1.72	1.10	1.16	2.10	2.00	2.40	2.00	1.74	2.20	2.88
13	1.48	1.12	1.65	1.00	1.33	2.04	2.00	2.40	2.06	1.73	2.16	2.86
14	1.47	1.25	1.46	1.77	1.25	2.01	2.05	2.37	2.10	1.65	2.19	2.89
15	1.49	1.17	1.74	1.82	1.27	2.04	2.06	2.33	2.08	1.59	2.16	2.88
16	1.57	1.24	1.85	1.83	.85	1.95	2.11	2.29	2.02	1.55	2.02	2.96
17	1.27	1.27	1.68	1.52	.98	1.92	2.16	2.20	1.96	1.56	1.95	2.92
18	.90	1.31	1.66	1.60	1.06	2.02	2.22	2.19	1.94	1.66	1.90	2.87
19	1.34	1.54	1.65	1.20	---	2.07	2.25	2.25	1.85	1.76	1.90	2.84
20	1.45	1.81	1.90	1.26	---	2.04	2.35	2.17	1.74	1.85	1.95	2.80
21	1.07	1.85	1.64	1.10	---	1.95	2.63	2.18	1.56	1.77	2.00	2.74
22	1.24	1.60	1.62	.94	---	1.94	2.73	2.20	1.49	1.73	2.16	2.69
23	1.35	1.45	1.64	.96	---	1.68	2.75	2.18	1.46	1.70	2.35	2.64
24	1.60	1.38	1.62	1.25	1.78	1.65	2.68	2.17	1.47	1.75	2.35	2.62
25	1.75	1.31	1.75	.95	1.48	1.75	2.64	2.15	1.50	1.80	2.30	2.60
26	1.48	1.34	2.14	.90	1.57	1.84	2.58	2.04	1.53	1.80	2.35	2.60
27	1.49	1.50	1.84	1.18	1.89	1.87	2.55	1.93	1.58	1.75	2.38	2.60
28	1.19	1.65	1.83	1.28	1.42	2.15	2.50	1.88	1.68	1.81	2.46	2.58
29	1.12	1.35	1.66	1.26	---	2.25	2.49	1.93	1.68	1.85	2.52	2.54
30	1.97	.90	1.50	1.20	---	2.31	2.45	1.92	1.66	1.86	2.56	2.57
31	1.61	---	1.68	1.20	---	2.27	---	1.85	---	1.83	2.74	---
MEAN	1.40	1.35	1.59	1.39	---	---	2.30	2.29	1.82	1.69	2.09	2.84
MAX	1.97	1.85	2.14	1.87	---	2.31	2.75	2.63	2.10	1.86	2.74	3.24
MIN	.90	.90	1.10	.90	.85	1.30	1.87	1.85	1.46	1.54	1.50	2.54

MISSISSIPPI RIVER DELTA

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1505	637	8.3	20	40	8.7	17	4.2	B130	B27	170	48
NOV 23...	0950	469	8.0	--	50	10.2	15	4.7	B300	<10	160	40
DEC 16...	1000	431	7.7	20	--	9.7	14	4.7	B800	B200	130	38
JAN 13...	0910	370	7.1	60	55	--	19	--	180	880	120	38
FEB 17...	1000	344	7.8	50	70	9.9	44	3.7	B850	--	110	27
MAR 17...	1515	295	7.4	100	55	8.1	100	2.0	B600	260	100	39
APR 25...	1810	317	8.2	80	55	--	34	--	--	--	100	4
MAY 25...	1440	273	8.0	60	40	7.1	35	3.1	220	B12	100	14
JUN 16...	1155	587	8.3	25	30	8.4	30	4.3	140	B20	160	66
JUL 19...	1215	490	8.3	25	40	8.4	20	2.7	480	B80	150	48
SEP 03...	1255	498	7.8	25	50	--	33	2.4	1700	0	150	46
07...	1410	423	8.2	30	35	8.7	41	4.7	B70	39	120	26

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
OCT 18...	41	16	147	0	121	1.2	58	94	--	74	<1.0	.00
NOV 23...	41	13	141	0	116	2.3	58	38	--	150	--	.20
DEC 16...	35	11	116	0	95	3.7	53	43	--	143	--	.31
JAN 13...	31	9.4	95	0	78	12	40	40	--	89	<1.0	.36
FEB 17...	29	8.9	100	0	82	2.5	36	35	--	376	<1.0	.37
MAR 17...	29	7.3	78	0	64	5.0	31	29	--	334	<1.0	.55
APR 25...	28	8.3	117	0	96	1.2	22	26	83	--	<1.0	.15
MAY 25...	27	7.8	104	0	85	1.7	19	21	58	--	<1.0	.05
JUN 16...	41	13	115	0	94	.9	65	88	--	--	<1.0	.00
JUL 19...	40	13	129	0	110	1.0	51	59	52	--	<1.0	.46
SEP 03...	39	12	123	0	100	3.1	66	49	84	--	<1.0	.66
07...	31	9.7	111	0	91	1.1	42	52	64	--	<1.0	.04

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 18...	.01	.01	.51	.15	2	1	0	0	0	0	10	0
NOV 23...	.01	.21	--	.20	2	2	0	0	0	0	<10	0
DEC 16...	.02	.33	1.1	.15	4	1	0	0	0	0	10	0
JAN 13...	.02	.38	1.2	.14	3	2	0	0	0	0	<10	0
FEB 17...	.01	.38	.83	.33	3	2	0	0	0	0	30	0
MAR 17...	.03	.58	.64	.32	--	1	0	0	0	0	20	0
APR 25...	.02	.17	.55	.18	4	2	0	0	0	0	<10	0
MAY 25...	.01	.06	.82	.13	2	1	0	0	0	0	10	0
JUN 16...	.00	.00	.65	.15	2	1	0	0	0	0	20	0
JUL 19...	.01	.47	.29	.15	2	1	0	0	0	0	10	0
SEP 03...	.06	.72	.78	.14	2	2	0	0	10	0	10	0
07...	.03	.07	1.5	.12	2	1	0	0	<10	0	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 18...	3	2	30	4	0	.3	.2	6	3	0	0	4.0
NOV 23...	6	2	10	7	0	.0	.0	8	2	0	0	.0
DEC 16...	6	5	30	5	0	.0	.0	3	0	1	1	.0
JAN 13...	9	9	40	4	0	.0	.0	6	3	0	0	1.0
FEB 17...	26	6	100	22	0	.2	.0	30	3	0	0	2.0
MAR 17...	6	4	30	3	0	--	--	10	6	--	0	.0
APR 25...	8	3	30	3	0	.0	.0	7	0	0	0	2.0
MAY 25...	4	3	30	3	0	.0	.0	6	3	0	0	30
JUN 16...	6	6	40	5	5	.0	.0	9	2	0	0	6.0
JUL 19...	5	5	10	6	2	.0	.0	8	2	0	0	--
SEP 03...	<10	3	40	<100	0	.1	.0	<50	1	1	0	--
07...	14	14	30	4	1	.1	.0	3	2	1	0	.0

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 18...	30	20	10	.00	0	0	.0	.00	.00	.0	.00	.00
NOV 23...	--	0	7.2	.00	0	0	.0	.00	.00	.0	.00	.00
DEC 16...	30	20	7.0	.00	1	0	.0	.00	.00	.0	.00	.00
JAN 13...	10	0	7.3	.00	2	0	.0	.00	.00	.0	.00	.00
FEB 17...	70	20	14	.00	2	0	--	--	--	--	--	--
MAR 17...	50	10	4.9	.00	0	0	.0	.00	.00	.0	.00	.00
APR 25...	60	10	6.5	.00	0	1	.0	.00	.00	.0	.00	.00
MAY 25...	20	0	11	.00	2	1	.0	.00	.00	.0	.00	.00
JUN 16...	20	10	8.5	.00	0	2	.0	.00	.000	.0	.000	.000
JUL 19...	20	0	7.8	.00	0	2	.0	.00	.000	.0	.000	.000
SEP 03...	20	0	6.3	.00	3	0	.0	.00	.000	.0	.000	.000
07...	20	10	8.7	.00	4	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
OCT 18...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
NOV 23...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 16...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 13...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 17...	--	.00	--	--	--	.00	--	--	--	.00	--	.00
MAR 17...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 25...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 25...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JUN 16...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 19...	.000	.00	.001	.000	.001	.00	.000	.000	.000	.00	.00	.00
SEP 03...	.000	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
07...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	.00	.00	0	.00	.08	.00	.02	--	--	--	--
NOV 23...	.00	.00	.00	0	.00	.00	.00	.00	2.12	.585	--	--
DEC 16...	.00	.00	.00	0	.00	.00	.00	.00	.88	.117	--	--
JAN 13...	.00	.00	.00	0	.00	.08	.02	.01	3.60	.713	--	--
FEB 17...	.00	.00	.00	--	.00	.06	.00	.00	--	--	.998	.238
MAR 17...	.00	.00	.00	0	.00	.00	.00	.00	2.01	1.32	--	--
APR 25...	.00	.00	.00	0	.00	.00	.00	.02	--	--	.840	.281
MAY 25...	.00	.00	.00	0	.00	.02	.00	.21	--	--	13.2	1.18
JUN 16...	.00	.00	.00	.0	.00	.06	.01	.08	--	--	10.4	1.68
JUL 19...	.00	.00	.00	.0	.00	.02	.01	.00	--	--	1.71	.273
SEP 03...	.00	.00	.00	.0	.00	.00	.00	.02	--	--	3.05	.190
07...	.00	.00	.00	.0	.00	.04	.01	.06	--	--	10.5	.468

MISSISSIPPI RIVER DELTA

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

LOCATION.--Lat 29°22'15", long 91°23'15", T.19 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101, 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 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMIDE-DATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1445	2060	8.4	10	30	9.2	32	1.8	850	813	320	180
NOV 23...	0930	1050	7.9	--	70	10.6	14	1.9	850	310	190	93
DEC 16...	0930	7990	7.8	5	--	10.6	--	2.8	940	93	950	840
JAN 13...	0900	1470	7.3	30	70	--	11	--	180	70	220	140
FEB 17...	0940	1500	7.6	30	75	10.0	34	1.7	892	813	200	130
MAR 17...	1500	247	7.4	100	50	7.8	70	1.4	220	70	100	45
APR 28...	0840	270	7.7	30	65	6.8	90	--	--	--	88	22
MAY 25...	1425	2540	8.2	25	30	9.5	30	2.3	8160	860	340	240
JUN 16...	114	7520	8.1	10	20	8.2	--	1.6	860	23	890	780
JUL 19...	1155	6740	8.0	25	20	7.6	--	1.8	460	864	820	710
SEP 03...	1240	5740	7.6	5	20	--	--	2.1	200	0	630	540
07...	1355	1470	7.9	20	40	7.2	30	1.4	520	0	230	140

DATE	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
OCT 18...	55	44	164	3	140	1.1	120	490	--	44	<1.0	.22
NOV 23...	38	22	113	0	93	2.3	84	200	--	225	--	.73
DEC 16...	83	180	135	0	111	3.4	260	2400	--	55	--	.43
JAN 13...	38	30	101	0	83	8.1	88	350	--	109	<1.0	.47
FEB 17...	34	29	96	0	79	3.9	80	360	--	95	<1.0	.42
MAR 17...	27	8.2	68	0	56	4.3	35	43	--	321	<1.0	.69
APR 28...	23	7.3	80	0	66	2.6	29	23	14	--	<1.0	.67
MAY 25...	47	53	111	0	91	1.1	130	660	13	--	<1.0	.57
JUN 16...	94	160	133	0	109	1.7	750	2300	53	--	<1.0	.46
JUL 19...	81	150	130	0	110	2.1	330	2000	11	--	<1.0	.59
SEP 03...	72	110	118	0	97	4.7	280	1700	27	--	<1.0	.83
07...	44	30	118	0	97	2.4	110	360	4	--	<1.0	.93

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 18...	.01	.23	.37	.13	2	1	0	0	0	0	20	0
NOV 23...	.01	.74	--	.22	5	0	0	0	0	0	<10	0
DEC 16...	.01	.44	.60	.11	2	1	0	0	0	0	20	0
JAN 13...	.02	.49	.83	.15	2	2	0	0	0	0	10	0
FEB 17...	.03	.45	.98	.16	2	2	0	0	0	0	20	0
MAR 17...	.03	.72	.99	.36	7	1	0	0	0	0	20	0
APR 28...	.01	.68	1.2	.21	6	1	0	0	0	0	<10	0
MAY 25...	.01	.58	.68	.09	2	2	0	0	0	0	10	0
JUN 16...	.01	.47	1.3	.08	1	1	0	0	5	5	20	0
JUL 19...	.01	.60	.40	.18	1	0	0	0	0	0	10	0
SEP 03...	.02	.85	1.2	.08	1	1	10	0	5	0	0	0
07...	.01	.94	.68	.14	2	1	10	10	10	0	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 18...	3	3	0	3	0	.2	.2	5	3	1	1	--
NOV 23...	12	2	20	12	0	.1	.1	14	3	0	0	--
DEC 16...	4	2	10	2	0	.0	.0	3	3	1	1	--
JAN 13...	4	4	50	0	0	.0	.0	6	4	0	0	--
FEB 17...	11	8	140	5	0	.0	.0	7	3	0	0	--
MAR 17...	9	6	40	6	0	.1	.1	11	2	0	0	9.0
APR 28...	11	11	70	5	0	.0	.0	7	4	0	0	57
MAY 25...	3	2	10	4	0	.0	.0	6	3	0	0	--
JUN 16...	4	--	20	7	7	.1	.0	10	3	0	0	--
JUL 19...	4	3	10	4	3	.2	.0	8	2	0	0	--
SEP 03...	12	3	20	5	0	.0	.0	9	2	1	1	--
07...	12	12	20	3	0	.0	.0	4	2	2	0	--

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 18...	20	20	13	.00	0	0	.0	.00	.00	.0	.00	.00
NOV 23...	40	10	8.1	.00	2	0	.0	.00	.00	.0	.00	.00
DEC 16...	30	10	6.2	.00	1	0	.0	.00	.00	.0	.00	.00
JAN 13...	10	10	9.8	.00	1	0	.0	.00	.00	.0	.00	.00
FEB 17...	30	10	5.9	.00	0	0	--	--	--	--	--	--
MAR 17...	40	30	4.2	.00	0	0	.0	.00	.00	.0	.00	.00
APR 28...	30	20	18	.00	2	1	.0	.00	.00	.0	.00	.00
MAY 25...	20	10	7.1	.00	2	1	.0	.00	.00	.0	.00	.00
JUN 16...	30	30	5.0	.00	0	1	.0	.00	.000	.0	.000	.000
JUL 19...	20	0	7.4	.00	0	0	.0	.00	.000	.0	.000	.000
SEP 03...	20	0	3.5	.00	2	0	.0	.00	.000	.0	.000	.000
07...	10	0	5.4	.00	4	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
OCT 18...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
NOV 23...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 16...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 13...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 17...	--	.00	--	--	--	.00	--	--	--	.00	--	.00
MAR 17...	.00	.02	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 28...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 25...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JUN 16...	.000	.00	.002	.000	.001	.00	.000	.000	.000	.00	.00	.00
JUL 19...	.000	.00	.002	.000	.001	.00	.000	.000	.000	.00	.00	.00
SEP 03...	.000	.00	.003	.000	.001	.00	.000	.001	.000	.00	.00	.00
07...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.01

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	.00	.00	0	.00	.00	.00	.00	--	--	--	--
NOV 23...	.00	.00	.00	0	.00	.11	.02	.00	1.44	.291	--	--
DEC 16...	.00	.00	.00	0	.00	.07	.00	.02	4.23	1.52	--	--
JAN 13...	.00	.00	.00	0	.00	.00	.03	.00	2.33	1.46	--	--
FEB 17...	.00	.00	.00	--	.00	.03	.02	.00	--	--	.722	.199
MAR 17...	.00	.00	.00	0	.00	.03	.03	.00	2.90	2.25	--	--
APR 28...	.00	.00	.00	0	.00	.00	.00	.00	--	--	.410	.005
MAY 25...	.00	.00	.00	0	.00	.04	.00	.00	--	--	2.73	.243
JUN 16...	.00	.00	.00	.0	.00	.02	.02	.00	--	--	4.59	.465
JUL 19...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	.815	.144
SEP 03...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	--	--
07...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	.526	.009

MISSISSIPPI RIVER DELTA

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.

WATER TEMPERATURES: Maximum, 35.0°C July 6, 1975; minimum, 4.5°C Dec. 20, 1973.

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, 527 micromhos Oct. 24; minimum, 83 micromhos Apr. 25.

pH: Maximum, 8.4 units Aug. 3; minimum, 6.2 units Dec. 17, 18, 20.

WATER TEMPERATURES: Maximum, 33.5°C Aug. 1; minimum, 5.5°C Feb. 2.

DISSOLVED OXYGEN: Maximum, 10.7 mg/L July 29; minimum, 0.0 mg/L several days during Dec. 1976, Jan. 1977.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM 7UM-MF (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)
NOV 18...	1045	294	7.3	13.5	15	10	1.9	8.6	3500	--	--	96
JAN 10...	1350	183	7.1	10.0	80	60	6.0	4.4	4000	2000	--	61
APR 22...	1400	153	6.6	21.5	120	70	4.0	3.1	2900	--	89500	56
JUL 21...	1215	310	7.7	30.0	40	90	5.2	--	--	--	--	98

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
NOV 18...	0	25	8.2	19	29	.8	4.2	130	0	107	10	7.9
JAN 10...	7	16	5.0	12	29	.7	3.8	66	0	54	8.4	11
APR 22...	0	14	5.1	7.2	21	.4	3.1	68	0	56	27	4.4
JUL 21...	0	25	8.7	22	32	1.0	3.6	129	0	110	4.1	7.9

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SI02) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N03) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV 18...	24	.0	14	157	167	.21	.00	.82	.82	3.6	.38
JAN 10...	16	.2	9.2	118	106	.16	.11	--	--	--	.44
APR 22...	9.7	.1	7.0	92	84	.13	.71	--	--	--	.42
JUL 21...	30	.1	13	187	174	.25	.95	--	--	--	.39

MISSISSIPPI RIVER DELTA

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07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
NOV 18...	4	5	0	<10	<10	0	5	<10	60	2100	0	5000
DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
NOV 18...	100	110	.0	.0	10	25	6.6	.00	4	.0	8	.00
DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
NOV 18...	.0	.00	.0	.0	0	.00	.0	.00	4.6	.00	.0	.01
DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
NOV 18...	.0	.00	.5	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
NOV 18...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0
DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)						
NOV 18...	0	.00	.0	.39	.47	.00						

MISSISSIPPI RIVER DELTA

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	165	158	157	129	203	172
2	---	---	---	---	---	---	172	152	163	137	220	197
3	---	---	---	---	---	---	176	161	152	131	254	199
4	---	---	---	---	---	---	162	152	152	137	206	181
5	---	---	---	---	---	---	---	---	160	139	181	163
6	---	---	---	---	---	---	171	161	163	140	202	173
7	---	---	---	---	---	---	185	156	138	93	170	156
8	---	---	---	---	---	---	171	147	106	93	163	148
9	---	---	---	---	172	148	161	143	119	95	155	141
10	---	---	---	---	180	176	173	145	132	117	155	145
11	---	---	---	---	195	169	189	167	128	118	163	147
12	---	---	---	---	195	158	195	186	145	125	169	147
13	---	---	---	---	168	156	---	---	146	136	152	145
14	---	---	---	---	163	144	---	---	181	134	149	144
15	---	---	---	---	161	132	---	---	180	148	151	145
16	---	---	335	278	156	136	---	---	149	141	145	137
17	---	---	290	279	175	150	---	---	181	139	142	132
18	---	---	293	276	178	163	---	---	142	135	154	143
19	---	---	298	205	181	165	---	---	137	133	153	151
20	---	---	219	194	185	152	---	---	149	134	153	148
21	---	---	257	190	180	170	---	---	157	148	151	146
22	390	362	284	249	198	175	---	---	160	150	159	142
23	465	376	260	244	201	193	---	---	330	157	163	143
24	527	375	287	251	226	201	---	---	166	151	163	143
25	436	376	286	266	211	162	---	---	156	150	169	146
26	439	411	297	273	180	146	237	192	162	153	168	149
27	442	423	298	253	180	165	192	154	175	157	198	150
28	436	324	261	229	176	168	175	134	174	168	181	148
29	---	---	---	---	178	170	144	132	---	---	151	145
30	---	---	---	---	171	157	135	126	---	---	171	147
31	---	---	---	---	159	153	143	131	---	---	183	157

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	195	180	119	107	216	211	344	337	314	270	170	151
2	257	194	123	111	214	208	343	337	324	308	173	150
3	199	180	124	113	213	206	341	333	336	320	181	157
4	190	180	129	113	230	213	340	326	330	324	168	159
5	178	143	132	121	237	225	328	311	347	325	184	122
6	185	142	138	123	241	220	327	314	339	316	160	142
7	205	186	137	124	232	218	331	325	323	257	171	141
8	193	181	139	131	234	224	332	328	260	227	260	176
9	188	176	138	131	369	223	339	328	293	264	252	195
10	206	187	140	132	297	235	343	336	305	288	195	167
11	198	186	142	136	240	234	350	332	310	296	187	166
12	190	174	148	140	248	236	343	327	314	281	241	186
13	181	169	151	145	234	204	329	298	310	293	234	184
14	184	180	155	150	243	203	286	227	349	280	185	128
15	197	182	158	154	258	229	274	233	386	306	178	140
16	200	182	159	155	275	259	285	276	410	275	228	159
17	220	184	157	152	280	254	277	246	287	249	192	148
18	205	181	155	146	333	288	245	230	250	173	192	158
19	206	195	149	143	326	305	---	---	184	162	158	147
20	199	120	147	138	303	245	---	---	220	184	163	151
21	177	147	139	133	239	186	---	---	228	148	176	153
22	179	134	141	137	189	173	---	---	191	155	170	151
23	129	105	140	135	186	176	---	---	199	176	194	169
24	104	84	143	136	197	183	---	---	219	156	180	168
25	94	83	153	136	242	195	---	---	181	150	179	165
26	102	93	177	136	301	244	256	228	161	132	166	162
27	102	94	190	178	321	284	250	211	134	123	173	163
28	102	92	205	192	338	322	321	257	136	124	184	165
29	109	95	213	203	367	343	350	317	142	130	184	184
30	117	102	220	212	390	345	316	252	154	142	199	193
31	---	---	220	213	---	---	284	251	168	155	---	---

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	6.6	6.3	7.4	7.2	7.6	7.5
2	---	---	---	---	---	---	6.8	6.6	7.3	7.2	7.6	7.4
3	---	---	---	---	---	---	6.9	6.7	7.4	7.1	7.7	7.5
4	---	---	---	---	---	---	6.8	6.6	7.4	7.0	7.6	7.2
5	---	---	---	---	---	---	---	---	7.7	7.1	7.3	7.2
6	---	---	---	---	---	---	7.2	7.0	7.9	7.2	7.5	7.3
7	---	---	---	---	---	---	7.3	7.0	7.4	7.2	7.8	7.3
8	---	---	---	---	---	---	7.2	7.0	7.9	7.2	7.9	7.4
9	---	---	---	---	7.0	6.9	7.1	7.0	7.4	7.1	7.8	7.2
10	---	---	---	---	7.1	7.0	7.3	7.1	7.7	7.1	7.3	7.2
11	---	---	---	---	7.1	6.9	7.3	7.2	7.3	7.1	7.3	7.2
12	---	---	---	---	7.0	6.8	7.2	7.1	7.4	7.2	7.3	7.2
13	---	---	---	---	6.9	6.8	---	---	7.3	7.1	7.4	7.3
14	---	---	---	---	6.8	6.6	---	---	7.3	7.1	7.4	7.3
15	---	---	---	---	6.8	6.3	---	---	7.3	7.1	7.4	7.3
16	---	---	7.3	6.8	6.6	6.4	---	---	7.5	7.3	7.4	7.3
17	---	---	7.4	7.3	6.7	6.2	---	---	7.8	7.4	7.5	7.3
18	---	---	7.4	7.2	6.7	6.2	---	---	7.4	7.2	7.6	7.3
19	---	---	7.3	7.2	6.6	6.3	---	---	7.4	7.3	7.4	7.3
20	---	---	7.6	6.7	6.7	6.2	---	---	7.5	7.3	7.5	7.2
21	---	---	7.2	6.9	6.8	6.5	---	---	7.6	7.4	7.5	7.3
22	7.8	7.3	7.5	7.1	6.8	6.6	---	---	7.7	7.3	7.7	7.3
23	7.5	7.1	7.3	7.1	6.8	6.6	---	---	7.3	7.2	7.9	7.4
24	7.6	7.3	7.6	7.1	6.6	6.4	---	---	7.5	7.4	7.8	7.6
25	7.6	7.3	7.3	7.1	6.9	6.5	---	---	7.5	7.4	7.9	7.5
26	7.5	7.4	7.3	7.2	7.0	6.8	8.2	7.2	7.6	7.4	7.9	7.6
27	7.5	7.4	7.4	7.0	6.7	6.6	7.7	7.2	7.6	7.5	7.9	7.6
28	7.5	7.3	7.1	6.3	6.6	6.5	7.8	7.2	7.6	7.5	7.7	7.5
29	---	---	---	---	6.6	6.4	7.8	7.2	---	---	7.5	7.3
30	---	---	---	---	6.6	6.2	7.6	7.2	---	---	7.5	6.5
31	---	---	---	---	6.5	6.2	7.9	7.2	---	---	7.6	6.6

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.5	7.1	7.1	6.8	7.6	7.2	7.2	7.1	7.6	7.3	7.1	6.9
2	7.4	7.2	7.0	6.8	7.5	7.2	7.2	7.1	7.8	7.4	7.0	6.9
3	7.3	7.2	6.9	6.7	7.5	7.3	7.2	7.2	8.4	7.6	7.4	7.0
4	7.4	7.3	7.0	6.7	7.6	7.3	7.2	7.1	8.3	7.4	7.1	7.0
5	7.4	7.1	7.0	6.7	7.6	7.2	7.2	7.2	7.7	7.3	7.3	6.7
6	7.4	7.1	7.0	6.7	7.6	7.3	7.3	7.2	7.7	7.4	7.0	6.9
7	7.7	7.4	6.8	6.7	7.4	7.2	7.3	7.1	7.5	7.3	7.2	6.9
8	7.7	7.3	6.7	6.6	7.7	7.4	7.3	7.2	7.5	7.2	7.3	7.0
9	7.3	7.2	6.7	6.6	7.4	7.2	7.2	7.2	7.6	7.2	7.3	7.0
10	7.7	7.3	6.8	6.6	7.8	7.2	7.3	7.2	7.6	7.3	7.3	6.9
11	7.4	7.1	6.8	6.7	7.7	7.3	7.2	7.1	7.6	7.4	7.2	6.9
12	7.6	7.3	6.9	6.8	7.8	7.3	7.2	7.2	7.5	7.2	7.2	7.0
13	7.4	7.2	7.0	6.9	7.3	7.1	7.3	7.2	7.4	7.2	7.4	7.1
14	7.5	7.3	7.0	6.9	7.1	6.9	7.4	7.3	7.3	7.3	7.5	6.9
15	7.4	7.3	7.1	7.0	7.1	7.0	7.2	7.1	7.3	7.2	7.4	7.0
16	7.5	7.2	7.1	7.0	7.5	7.1	7.2	7.2	7.3	7.2	7.0	6.8
17	7.4	7.2	7.1	7.0	7.3	7.1	7.3	7.1	7.3	7.3	7.2	6.8
18	7.4	7.2	7.2	7.1	7.3	7.1	7.1	7.0	7.4	7.3	7.4	6.8
19	7.5	7.1	7.2	7.1	7.2	7.0	---	---	7.4	7.1	7.1	6.8
20	7.2	6.8	7.3	7.0	7.2	7.1	---	---	7.5	7.1	7.1	6.8
21	7.4	7.1	7.4	7.3	7.3	7.1	---	---	7.7	7.1	7.3	7.0
22	7.3	7.1	7.3	7.2	7.2	7.1	---	---	7.7	7.0	7.1	6.8
23	7.2	6.9	7.2	7.2	7.2	7.1	---	---	7.2	7.1	7.3	6.8
24	7.3	6.9	7.3	7.1	7.4	7.2	---	---	7.5	7.1	7.0	6.8
25	7.5	6.9	7.2	7.1	7.6	7.2	---	---	7.6	7.2	7.2	7.0
26	7.6	7.0	7.2	6.9	7.6	7.2	7.2	7.1	7.5	7.2	7.1	7.0
27	7.3	7.0	7.2	7.1	7.9	7.2	7.3	7.1	7.2	7.0	7.1	7.0
28	7.3	6.8	7.3	7.1	7.7	7.4	7.3	7.2	7.1	6.9	7.3	6.9
29	7.3	6.8	7.4	7.2	7.7	7.4	7.5	7.3	7.1	6.9	7.4	7.3
30	7.2	6.8	7.5	7.2	7.4	7.2	7.5	7.3	7.1	7.0	7.3	7.2
31	---	---	7.7	7.3	---	---	7.5	7.3	7.2	6.9	---	---

MISSISSIPPI RIVER DELTA

07385750 BAYOU TECHE NEAR OLIVIER, LA--Continued

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

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

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

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

07385750 BAYOU TEGHE NEAR OLIVIER, LA--Continued

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	---	---	0.0	0.0	8.8	8.2	6.7	6.3
2			---	---	---	---	0.4	0.0	8.8	8.4	6.8	6.2
3			---	---	---	---	0.0	0.0	9.0	7.5	6.9	6.0
4			---	---	---	---	0.8	0.0	7.5	6.7	6.5	3.9
5			---	---	---	---	---	---	7.4	6.5	5.3	4.0
6			---	---	---	---	2.7	1.7	7.8	7.3	5.5	4.9
7			---	---	---	---	2.3	0.8	7.8	6.7	5.7	5.4
8			---	---	---	---	2.2	0.6	6.8	6.2	5.8	5.3
9			---	---	6.6	5.7	0.6	0.2	6.5	4.9	6.3	5.8
10			---	---	5.7	4.4	1.9	0.1	5.0	4.2	6.1	5.6
11			---	---	5.0	1.6	1.9	1.8	4.3	3.8	6.3	5.9
12			---	---	1.5	0.7	1.8	0.7	3.9	3.4	6.4	5.2
13			---	---	1.0	0.8	1.8	1.6	3.7	3.4	6.0	5.5
14			---	---	1.0	1.0	---	---	3.7	3.2	6.1	5.5
15			---	---	1.3	1.1	---	---	4.1	3.3	5.7	5.3
16			---	---	1.3	1.2	---	---	4.7	3.9	5.7	5.4
17			---	---	1.4	1.4	---	---	5.0	4.1	5.6	5.2
18			---	---	1.6	1.5	---	---	4.9	4.0	5.4	4.6
19			---	---	1.6	1.6	---	---	5.2	4.5	5.1	4.7
20			---	---	1.8	1.8	---	---	5.5	4.4	5.3	4.9
21			---	---	2.1	0.3	---	---	5.7	4.9	5.5	5.0
22			---	---	0.3	0.0	---	---	5.6	5.1	5.3	4.2
23			6.3	4.2	0.1	0.0	---	---	6.7	5.7	5.2	2.4
24			4.7	3.1	0.0	0.0	---	---	7.1	6.4	4.3	3.3
25			4.3	2.4	0.1	0.0	---	---	7.1	6.5	4.6	3.2
26			2.7	0.6	1.7	0.0	7.6	5.1	7.2	6.6	4.6	4.1
27			0.8	0.7	0.0	0.0	7.4	6.3	6.7	6.0	6.0	4.5
28			3.5	0.8	0.0	0.0	7.4	5.2	7.0	6.4	6.2	5.5
29			---	---	0.0	0.0	8.1	7.8	---	---	5.7	4.6
30			---	---	0.0	0.0	8.5	8.3	---	---	5.3	1.4
31			---	---	0.0	0.0	8.9	8.2	---	---	4.6	1.5

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.9	1.7	5.0	4.7	8.9	7.4	2.0	0.5	7.0	3.7	3.5	1.9
2	4.9	4.1	4.9	4.6	8.6	6.7	1.1	0.3	7.5	4.2	3.6	3.1
3	5.3	4.8	4.7	2.6	8.3	6.8	0.8	0.4	9.0	5.4	3.3	2.6
4	5.3	4.3	4.3	3.6	7.8	6.2	4.0	0.5	8.1	3.0	3.8	3.4
5	5.5	5.1	4.4	2.3	7.3	5.8	3.7	2.5	4.8	2.7	5.4	4.0
6	5.6	4.7	4.6	3.4	7.2	6.2	4.2	2.2	3.9	2.2	4.2	3.7
7	5.3	4.7	4.6	2.1	6.9	6.0	3.7	1.8	2.2	0.9	3.4	3.0
8	5.5	4.8	2.4	2.0	7.5	6.7	3.3	1.8	2.0	1.1	2.9	2.6
9	5.1	4.0	2.3	1.4	7.0	3.8	2.6	1.6	1.5	0.7	2.9	2.5
10	4.3	3.7	3.2	1.4	8.1	4.6	3.8	1.9	1.3	0.8	2.8	2.3
11	4.6	3.8	1.6	1.3	7.2	4.0	2.7	1.6	1.3	0.9	3.7	2.9
12	4.9	4.4	2.7	1.5	6.8	4.0	2.2	1.1	2.3	1.1	4.2	3.6
13	5.1	4.6	3.6	2.8	4.1	2.7	2.6	1.5	2.2	1.6	3.2	2.2
14	4.8	4.4	3.9	3.5	2.8	1.5	3.4	2.4	1.8	1.4	5.5	3.2
15	4.9	4.4	4.5	4.0	2.2	1.6	3.5	0.9	1.9	1.6	4.1	2.9
16	5.0	4.5	4.7	4.3	3.3	2.0	3.5	1.1	2.4	1.6	3.4	2.7
17	4.9	4.2	4.9	4.5	3.2	2.3	3.0	1.3	2.7	2.4	3.1	2.2
18	4.7	3.4	5.4	4.9	3.7	2.8	1.9	0.8	4.4	2.4	2.6	1.9
19	4.4	3.5	5.6	4.1	4.1	2.9	---	---	4.3	3.0	2.8	2.5
20	7.7	4.0	5.8	4.4	4.0	3.2	---	---	3.5	2.4	2.7	1.9
21	7.1	5.3	6.4	5.9	3.8	3.2	---	---	5.4	3.6	3.2	2.1
22	5.0	3.3	6.6	6.1	3.6	3.4	---	---	4.9	3.3	3.3	2.1
23	3.8	3.4	6.6	6.2	4.0	3.5	---	---	4.1	3.1	2.8	2.0
24	5.3	4.1	6.7	6.0	4.5	3.8	---	---	3.3	1.9	3.5	2.5
25	5.3	5.0	7.2	6.1	5.1	4.2	---	---	3.4	2.4	3.8	3.4
26	5.0	4.7	7.6	5.9	5.8	4.4	6.4	2.9	3.3	2.8	3.9	3.5
27	4.9	4.6	6.4	5.9	7.4	5.1	5.3	2.7	3.2	2.7	3.7	2.7
28	4.8	4.7	7.3	5.5	9.2	6.2	4.2	1.6	2.9	2.5	3.9	2.9
29	4.8	4.4	7.8	6.2	8.9	4.9	10.7	3.1	3.7	2.8	3.2	2.1
30	4.8	4.5	7.9	6.6	5.0	1.9	8.3	1.7	3.8	3.5	3.5	2.5
31	---	---	7.9	6.8	---	---	5.7	0.9	3.5	2.9	---	---

MISSISSIPPI RIVER DELTA

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.--

CHLORIDE: Maximum daily, 1,500 mg/L Oct. 30, 1976; minimum daily, 7.6 mg/L May 8, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 32.5°C June 25, 28, July 1, 26; minimum daily, 4.0°C Jan. 19.

CHLORIDE: Maximum daily, 1,500 mg/L Oct. 30; minimum daily, 7.6 mg/L May 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	15.5	8.5	9.0	8.0	15.5	20.5	23.0	30.0	32.5	29.5	27.5
2	26.0	17.5	11.5	10.5	9.5	17.0	23.5	22.0	29.5	31.0	29.5	25.5
3	24.5	16.0	9.5	10.5	11.5	16.0	23.5	23.5	32.0	29.5	30.5	28.5
4	24.5	15.5	10.0	10.5	9.5	17.0	23.0	24.0	31.0	29.5	30.5	28.0
5	26.5	15.5	12.0	10.5	10.5	17.0	19.0	24.5	30.5	30.0	31.0	19.0
6	24.5	15.5	10.0	11.0	10.5	14.5	18.0	25.5	31.5	29.0	31.5	25.5
7	21.5	20.0	14.0	10.0	10.5	13.5	19.0	25.5	29.0	29.5	29.5	26.0
8	19.0	16.0	10.5	12.0	9.5	14.0	21.0	26.0	28.5	29.5	31.0	28.0
9	16.5	16.5	11.0	13.0	10.0	15.0	22.5	26.0	29.0	30.0	30.5	28.0
10	19.5	18.0	13.0	10.0	12.0	15.5	22.0	26.0	29.0	31.5	30.5	28.0
11	21.5	16.5	13.5	7.5	15.0	17.5	21.0	24.5	30.0	31.5	30.0	27.5
12	22.5	---	14.0	8.0	15.0	18.0	21.0	25.0	29.5	31.0	30.0	28.5
13	23.0	13.5	14.0	10.0	14.5	19.0	21.0	26.0	29.0	30.0	30.0	28.0
14	24.5	12.0	13.0	13.5	14.5	19.5	23.0	27.0	27.5	29.5	29.0	28.5
15	25.0	12.0	12.5	12.0	15.0	20.0	24.0	25.5	27.5	29.5	29.0	27.5
16	25.0	11.0	13.0	10.5	12.5	21.5	24.0	25.5	29.0	30.0	29.5	26.5
17	20.0	16.5	13.5	7.5	14.0	21.5	24.0	25.5	29.0	29.5	29.5	26.5
18	23.0	15.0	14.0	8.5	15.0	20.0	24.0	26.0	28.5	30.5	30.5	27.5
19	19.5	15.0	15.0	4.0	15.5	20.5	24.5	26.5	30.0	31.5	28.5	28.5
20	18.5	15.0	14.5	4.5	17.0	22.0	24.5	26.5	29.5	31.5	28.5	26.5
21	16.0	15.5	12.0	10.0	15.5	21.5	22.5	26.0	30.0	29.0	28.0	27.5
22	20.0	13.5	10.5	10.0	17.0	20.0	22.0	26.5	30.0	31.0	27.5	28.5
23	20.0	13.0	11.0	10.5	16.0	17.5	23.0	26.0	30.5	31.0	27.0	30.0
24	22.0	15.0	12.0	10.5	16.5	19.5	22.0	26.0	32.0	32.0	27.0	30.5
25	21.5	13.0	13.0	10.0	17.0	19.5	21.5	26.0	32.5	31.5	27.0	29.5
26	25.5	17.0	12.5	9.5	19.0	19.0	21.0	27.0	30.5	32.5	27.5	29.5
27	19.5	17.0	12.0	10.5	17.0	19.5	21.5	27.0	30.5	30.0	27.0	29.5
28	16.5	16.5	13.5	11.5	15.5	21.5	21.0	26.5	32.5	30.0	27.5	29.5
29	17.0	10.5	13.5	9.5	---	21.5	22.0	28.0	30.5	30.5	26.5	29.0
30	17.5	9.5	13.0	11.5	---	23.0	22.0	28.5	30.5	31.5	27.0	32.0
31	16.5	---	12.0	9.0	---	23.0	---	29.5	---	30.0	27.5	---

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	150	50	31	24	32	29	9.0	14	100	26	76
2	54	210	76	56	38	32	38	11	16	41	33	38
3	55	140	47	66	36	32	29	8.4	26	34	26	30
4	57	110	66	42	110	40	27	9.6	29	34	29	21
5	88	110	39	50	66	28	30	23	27	34	41	22
6	140	100	56	44	34	31	31	13	27	30	41	21
7	55	99	54	26	30	41	32	8.6	18	35	46	16
8	54	120	37	52	26	43	29	7.6	58	51	39	21
9	51	91	27	38	27	64	31	8.4	66	46	48	22
10	55	82	45	35	32	31	38	10	56	31	35	19
11	67	64	44	51	34	23	22	11	57	30	32	21
12	84	78	36	32	24	31	24	10	79	53	500	19
13	110	94	37	36	25	66	42	11	51	44	360	20
14	130	110	43	35	20	50	42	12	32	35	140	22
15	140	170	36	35	21	36	20	11	34	39	70	21
16	230	100	99	35	20	45	22	7.8	35	35	48	18
17	84	81	98	38	20	52	21	13	30	34	39	20
18	66	51	32	39	20	25	23	16	31	38	40	30
19	650	57	28	28	18	35	32	12	30	44	33	18
20	400	100	36	35	18	32	22	9.8	28	42	29	28
21	68	76	28	24	19	37	22	16	24	35	25	19
22	140	100	46	22	21	27	20	12	26	29	24	24
23	480	89	48	24	70	38	21	11	31	36	26	19
24	860	66	95	45	50	29	22	13	29	43	29	17
25	790	70	110	33	46	50	19	10	32	54	25	20
26	350	70	95	32	48	28	12	12	25	34	34	20
27	270	110	67	68	40	16	15	12	47	45	34	21
28	230	79	65	44	32	140	10	11	49	50	18	19
29	250	40	70	20	---	97	9.8	11	56	50	19	22
30	1500	48	70	35	---	74	8.0	14	54	46	18	25
31	460	---	75	37	---	43	---	21	---	28	21	---

MISSISSIPPI RIVER DELTA

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.--

CHLORIDE: Maximum daily 680 mg/L Sept. 27, 1976; minimum daily, 8.6 mg/L May 11, 12, 16, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 33.0°C June 26-28, Aug. 9; minimum daily, 5.1 mg/L May 5.

CHLORIDE: Maximum daily, 620 mg/L Oct. 25; minimum daily, 5.1 mg/L May 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	14.5	9.5	9.5	7.0	14.5	22.0	23.0	29.0	32.5	30.0	27.5
2	25.5	16.0	11.0	9.5	8.0	15.5	21.5	22.0	29.0	32.5	30.5	27.5
3	25.5	16.0	11.0	8.5	8.0	16.0	21.5	23.0	29.0	31.0	30.5	27.5
4	26.0	17.0	10.5	8.5	8.0	16.0	22.0	24.0	29.5	31.0	32.0	27.5
5	25.0	17.0	10.5	10.0	10.0	13.5	19.5	24.0	---	31.0	32.0	27.5
6	24.0	16.0	12.0	9.5	10.0	13.5	18.0	24.0	29.5	31.0	31.5	25.5
7	22.0	16.0	12.5	---	10.0	12.0	19.0	25.5	29.0	31.0	31.5	26.0
8	22.0	15.0	9.0	13.0	10.0	12.0	19.0	25.5	31.5	31.5	31.5	27.0
9	19.5	14.5	8.5	---	12.0	14.5	20.5	26.0	31.5	31.5	33.0	27.0
10	19.5	16.0	8.5	9.0	12.0	15.0	21.0	26.0	31.5	32.0	32.0	27.0
11	20.5	17.5	15.0	6.0	12.0	15.0	20.0	24.0	28.0	32.0	31.0	27.0
12	21.5	17.5	15.0	8.0	13.0	16.5	---	25.0	28.0	32.0	31.0	28.5
13	---	13.5	13.0	10.0	13.0	16.5	20.5	25.0	28.0	31.0	30.0	29.0
14	22.0	13.5	12.0	10.0	13.5	17.0	20.0	25.0	29.5	32.0	30.0	29.5
15	22.0	10.0	12.0	8.5	13.5	18.0	20.0	25.0	29.5	32.0	28.5	27.0
16	22.0	12.0	12.0	---	11.0	20.0	23.5	25.0	29.5	32.0	28.5	27.0
17	20.0	12.0	12.0	9.0	10.5	21.5	24.0	25.0	29.5	32.0	29.0	26.5
18	17.0	12.0	14.0	8.0	10.5	21.5	---	26.0	29.5	31.0	29.5	26.5
19	18.0	12.0	14.0	4.0	14.0	19.5	---	26.0	29.5	32.0	29.5	28.0
20	18.0	13.5	15.5	5.5	14.0	19.5	24.5	26.0	29.5	32.5	27.5	28.0
21	16.5	13.5	11.5	5.5	15.0	22.5	23.5	26.0	29.5	29.5	27.5	28.5
22	16.5	13.0	10.5	9.5	14.0	21.5	23.5	26.0	31.0	30.0	27.5	28.0
23	19.0	12.0	11.0	9.5	16.0	19.0	20.5	26.0	31.0	30.0	27.0	28.0
24	20.0	13.0	11.0	8.0	15.5	18.0	20.5	26.0	30.0	30.0	27.0	30.0
25	21.5	13.0	11.5	10.0	15.5	18.0	20.5	25.5	31.0	---	26.5	30.0
26	19.0	14.0	11.5	10.5	16.5	20.0	20.5	27.0	33.0	---	26.5	30.5
27	19.0	14.0	11.0	8.5	16.5	19.5	20.5	27.0	33.0	31.5	26.5	32.0
28	16.0	14.0	12.0	8.5	14.5	20.0	20.5	29.0	33.0	32.0	26.5	30.0
29	16.0	10.0	12.0	9.0	---	20.0	20.5	29.0	32.5	32.0	26.5	30.0
30	16.0	8.5	12.5	9.0	---	22.0	23.0	29.5	32.5	31.0	27.0	30.0
31	16.0	---	12.5	9.0	---	22.0	---	29.5	---	31.0	27.5	---
MONTH	20.5	14.0	12.0	8.5	12.5	17.5	21.0	25.5	30.0	31.5	29.0	28.0
YEAR	MAX	33.0	MIN	4.0	MEAN	21.0						

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	180	46	45	46	44	41	8.5	15	120	39	17
2	55	100	48	44	40	33	20	8.4	21	140	42	19
3	58	110	52	44	42	51	24	7.2	22	38	41	13
4	66	74	38	42	42	49	30	7.0	18	41	41	14
5	230	67	44	43	34	43	22	5.1	---	56	52	16
6	390	56	160	41	30	55	21	30	28	45	46	14
7	62	56	290	---	30	52	27	9.5	23	39	39	15
8	60	72	42	64	34	56	28	29	29	55	40	14
9	56	77	34	---	28	45	24	11	29	53	38	14
10	58	74	29	28	25	41	24	8.0	31	71	57	14
11	100	70	39	31	27	34	21	26	54	61	50	16
12	250	72	36	33	25	36	---	12	52	60	38	32
13	---	84	40	31	22	39	20	12	52	40	39	15
14	270	63	42	33	26	39	17	12	53	40	26	17
15	280	86	30	32	28	36	18	12	68	67	24	16
16	90	70	30	---	21	54	16	12	66	48	23	14
17	81	70	34	30	37	35	20	14	60	39	25	14
18	61	51	30	31	36	51	---	38	68	42	29	15
19	470	50	30	24	22	31	---	21	26	42	28	15
20	380	100	20	36	26	29	20	25	39	40	34	15
21	80	100	24	22	19	40	61	23	22	39	24	17
22	78	80	32	25	39	36	62	23	28	40	24	14
23	600	74	40	25	84	28	21	15	30	45	22	38
24	600	71	32	56	87	27	26	18	27	42	24	32
25	620	73	41	30	82	25	14	22	27	41	20	32
26	450	70	52	44	56	19	10	18	46	39	23	19
27	160	81	38	46	56	18	9.0	15	58	37	33	51
28	240	87	36	47	32	50	8.5	23	74	44	17	22
29	280	48	40	58	---	59	9.5	20	130	41	24	18
30	360	45	44	55	---	49	14	17	120	40	19	12
31	360	---	42	39	---	50	---	24	---	53	15	---
MONTH	230	77	50	39	38	40	23	17	45	52	32	19
YEAR	MAX	620	MIN	5.1	MEAN	55						

MISSISSIPPI RIVER DELTA

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, 490 micromhos June 21; minimum, 50 micromhos Apr. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	165	135	180	170	230	270	90	205	275	300	170
2	205	160	135	170	240	265	250	105	210	290	310	165
3	220	210	165	110	245	260	165	105	205	280	305	170
4	225	210	185	100	135	205	150	105	225	275	255	180
5	215	270	200	160	140	150	155	105	350	275	190	190
6	260	250	220	150	100	125	160	110	350	230	230	195
7	265	260	170	105	100	135	175	110	165	190	255	215
8	280	300	175	110	105	130	185	115	160	205	275	220
9	335	265	115	150	115	140	205	120	---	225	280	170
10	280	280	205	130	120	150	215	120	190	240	290	170
11	270	305	210	140	130	155	195	125	190	205	285	105
12	280	300	220	145	135	170	205	135	205	230	290	130
13	270	290	195	145	---	185	230	145	140	250	290	125
14	340	285	180	85	---	185	240	150	135	205	255	120
15	350	305	110	70	---	190	245	150	215	220	185	100
16	335	310	115	70	---	210	255	155	220	185	---	125
17	370	310	125	70	---	210	240	160	205	185	---	145
18	350	305	135	75	---	200	255	160	245	200	445	150
19	335	300	155	80	---	215	280	170	270	215	300	160
20	400	180	165	90	---	245	210	180	470	220	320	175
21	380	180	125	95	---	240	75	180	490	350	165	155
22	350	205	145	105	---	280	50	195	460	350	145	165
23	350	170	160	110	---	270	60	200	440	310	125	180
24	360	185	160	120	---	245	80	205	420	300	120	195
25	385	185	160	130	---	245	80	210	420	280	105	195
26	430	190	85	135	---	255	90	185	375	230	90	195
27	425	185	105	140	---	250	85	180	320	95	125	200
28	440	170	120	150	255	270	80	195	280	130	125	210
29	435	85	110	175	---	270	85	200	280	135	145	215
30	390	120	130	170	---	285	85	210	270	170	155	205
31	230	---	165	200	---	280	---	210	---	205	175	---

MISSISSIPPI RIVER DELTA

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294110091533000 VERMILION BAY AT CYPREMORE 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 1974-77.

PERIOD OF DAILY RECORD. --

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
OCT 18...	1415	20300	7.9	15	7	9.7	2.7	8100	840	2400	2300	180
NOV 23...	1105	18500	7.7	--	5	11.2	3.1	842	813	2100	2100	160
DEC 16...	1050	16400	7.6	10	--	11.8	4.6	824	<5	1900	1800	130
JAN 13...	1020	9120	6.9	30	15	--	--	833	<5	990	930	83
FEB 17...	1100	9390	7.6	55	25	11.0	3.6	820	0	970	920	76
MAR 18...	1100	11400	7.4	25	8	9.0	2.3	<5	0	--	--	--
APR 25...	1630	6850	7.8	30	40	--	--	--	--	780	720	64
MAY 25...	1400	4640	7.6	40	25	8.4	2.3	<5	<5	460	410	42
JUN 16...	1112	12200	7.8	20	7	7.4	.7	86	2	1300	1200	93
JUL 19...	1135	14400	7.6	10	4	7.3	2.4	<5	0	1600	1600	120
SEP 03...	1215	14600	7.3	10	15	8.2	2.4	<5	0	1500	1400	110
07...	1325	11500	7.8	1	8	9.0	4.0	<5	0	1200	1100	91

DATE	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT 18...	480	101	0	83	2.0	960	7000	--	37	<1.0	.02	.00
NOV 23...	420	92	0	75	2.9	840	6000	--	46	--	.08	.01
DEC 16...	380	84	0	69	3.4	700	5500	--	10	--	.02	.00
JAN 13...	190	71	0	58	14	380	2900	--	25	<1.0	.26	.01
FEB 17...	190	68	0	56	2.7	410	3000	--	49	<1.0	.07	.05
MAR 18...	--	65	0	53	4.1	510	3700	--	38	<1.0	.08	.00
APR 25...	150	78	0	64	2.0	280	2100	85	--	<1.0	.30	.02
MAY 25...	86	60	0	49	2.4	190	1500	31	--	<1.0	.19	.01
JUN 16...	250	70	0	57	1.8	540	4000	28	--	<1.0	.06	.01
JUL 19...	320	71	0	58	2.9	650	4800	4	--	<1.0	.02	.00
SEP 03...	290	83	0	68	6.7	610	4500	28	--	<1.0	.00	.01
07...	230	81	0	66	2.1	490	3700	12	--	<1.0	.00	.01

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT 18...	.02	.43	--	2	2	0	0	0	0	20	0	2
NOV 23...	.09	--	.12	1	0	0	0	0	0	<10	0	1
DEC 16...	.02	.72	.08	2	1	0	0	3	2	10	0	4
JAN 13...	.27	.82	.08	2	1	0	0	0	0	10	0	3
FEB 17...	.12	1.3	.52	2	2	0	0	0	0	20	0	6
MAR 18...	.08	.62	.11	1	1	0	0	0	0	10	0	5
APR 25...	.32	.94	.15	3	1	0	0	0	0	10	0	5
MAY 25...	.20	.89	.09	2	1	0	0	0	0	<10	0	5
JUN 16...	.07	.67	.06	1	1	0	0	0	0	20	0	6
JUL 19...	.02	.64	.08	1	1	0	0	2	0	10	0	4
SEP 03...	.01	.80	.11	2	1	10	0	12	0	0	0	9
07...	.01	.76	.10	2	2	10	10	10	1	10	0	17

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 18...	2	20	0	0	.2	.2	4	3	0	0	20	20
NOV 23...	0	30	3	2	.0	.0	3	0	0	0	10	10
DEC 16...	4	10	2	0	.0	.0	2	0	1	0	40	20
JAN 13...	3	20	0	0	.0	.0	3	3	0	0	10	10
FEB 17...	6	30	3	0	.0	.0	5	2	0	0	10	10
MAR 18...	5	10	0	0	.0	.0	6	0	0	0	50	30
APR 25...	4	20	5	0	.0	.0	7	0	0	0	40	20
MAY 25...	5	20	3	0	.0	.0	5	0	0	0	20	0
JUN 16...	6	20	5	5	.0	.0	8	4	0	0	40	40
JUL 19...	4	20	2	2	.0	.0	6	2	0	0	20	10
SEP 03...	3	20	3	0	.0	.0	9	1	0	0	20	10
07...	11	20	2	0	.1	.0	4	1	2	2	20	10

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 18...	11	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV 23...	4.2	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.01
DEC 16...	9.6	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 13...	6.5	.00	11	0	.0	.00	.00	.0	.00	.00	.00	.00
FEB 17...	7.3	.00	2	0	.0	.00	.00	.0	.00	.00	.00	.00
MAR 18...	13	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.02
APR 25...	15	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.00
MAY 25...	--	.00	1	1	.0	.00	.00	.0	.00	.00	.00	.00
JUN 16...	5.3	.00	0	6	.0	.00	.000	.0	.000	.000	.000	.00
JUL 19...	6.4	.00	0	0	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	6.0	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	6.8	.00	3	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 23...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 13...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 17...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 25...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 25...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JUN 16...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT												
18...	.00	0	.00	.00	.00	.00	5.15	1.35	--	--	--	--
NOV												
23...	.00	0	.00	.00	.03	.00	--	--	3.65	.039	--	--
DEC												
16...	.00	0	.00	.05	.04	.00	--	--	1.19	.552	--	--
JAN												
13...	.00	0	.00	.04	.00	.02	--	--	1.10	.993	--	--
FEB												
17...	.00	0	.00	.00	.00	.00	--	--	--	--	2.14	.240
MAR												
18...	.00	0	.00	.00	.01	.00	--	--	--	--	.059	.047
APR												
25...	.00	0	.00	.16	.00	.13	--	--	--	--	.380	.036
MAY												
25...	.00	0	.00	.01	.00	.00	--	--	--	--	3.26	.159
JUN												
16...	.00	.0	.00	.00	.00	.02	--	--	--	--	.567	.109
JUL												
19...	.00	.0	.00	--	--	--	--	--	--	--	.488	.175
SEP												
03...	.00	.0	.00	--	--	--	--	--	--	--	2.00	.296
07...	.00	.0	.00	.01	.01	.02	--	--	--	--	1.57	.379

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.--

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, 35.0°C July 26, Aug. 1; minimum daily, 7.0°C Feb. 6.

CHLORIDE: Maximum daily, 5,600 mg/L Oct. 20; minimum daily, 12 mg/L May 3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1345	8680	7.7	10	30	8.0	--	1.6	420	96	990	940
NOV 23...	1250	6670	7.5	--	15	9.5	--	2.3	420	220	790	750
DEC 16...	1140	1040	7.1	120	--	.8	30	3.3	3500	2000	130	110
JAN 13...	1050	273	6.5	140	60	--	19	--	3100	310	37	15
FEB 17...	1230	3320	7.5	60	55	9.0	40	3.0	8600	8300	360	300
MAR 18...	1115	7210	6.9	30	65	7.6	--	4.9	8300	880	780	730
APR 25...	1550	359	6.8	240	65	--	67	--	--	--	46	26
MAY 25...	1210	3030	7.5	60	75	6.2	60	1.5	8800	860	310	260
JUN 16...	1015	4980	7.6	40	20	5.4	--	1.5	--	380	520	470
JUL 19...	1035	7520	7.3	30	35	5.5	--	1.6	8650	8320	840	780
SEP 03...	1115	149	7.1	200	70	8.5	53	3.9	840	0	32	0
07...	1050	248	7.2	100	55	5.4	45	3.0	1400	40	42	0

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
OCT 18...	84	190	63	0	52	2.0	390	2800	--	63	<1.0	.00
NOV 23...	71	150	56	0	46	2.8	320	1900	--	79	--	.10
DEC 16...	17	22	26	0	21	3.3	36	270	--	144	--	.24
JAN 13...	6.9	4.9	27	0	22	14	15	59	--	211	<1.0	.22
FEB 17...	35	65	63	0	52	3.2	140	920	--	544	<1.0	.25
MAR 18...	64	150	60	0	49	12	300	2200	--	265	<1.0	.27
APR 25...	8.0	6.4	24	0	20	6.1	15	83	124	--	<1.0	.25
MAY 25...	31	56	56	0	46	2.8	110	860	214	--	<1.0	.30
JUN 16...	50	95	60	0	49	2.4	200	1400	16	--	<1.0	.09
JUL 19...	73	160	73	0	60	5.9	320	2500	48	--	<1.0	.11
SEP 03...	7.1	3.5	41	0	34	5.2	7.1	18	144	--	<1.0	.13
07...	9.3	4.6	51	0	42	5.1	8.6	45	90	--	<1.0	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 18...	.01	.01	.51	--	1	1	0	0	0	0	20	0
NOV 23...	.00	.10	--	.05	1	0	0	0	0	0	10	0
DEC 16...	.02	.26	1.8	.13	6	1	0	0	1	0	20	0
JAN 13...	.00	.22	1.6	.19	9	1	0	0	0	0	10	0
FEB 17...	.02	.27	1.8	.35	6	2	0	0	0	0	50	0
MAR 18...	.01	.28	1.2	.30	5	1	0	0	0	0	20	0
APR 25...	.11	.36	1.1	.26	7	1	0	0	0	0	20	0
MAY 25...	.02	.32	1.3	.13	2	2	0	0	0	0	20	0
JUN 16...	.01	.10	1.1	.07	1	1	0	0	1	1	20	0
JUL 19...	.03	.14	.86	.09	1	0	0	0	0	0	10	0
SEP 03...	.08	.21	1.3	.22	5	2	0	0	5	0	0	0
07...	.02	.01	1.8	.03	3	0	0	0	<10	1	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 18...	2	2	10	4	0	.3	.2	5	4	0	0	--
NOV 23...	3	2	40	6	1	.0	.0	4	0	0	0	--
DEC 16...	7	7	110	7	0	.0	.0	5	3	1	0	--
JAN 13...	13	7	300	14	0	.0	.0	13	4	0	0	3.0
FEB 17...	22	11	100	27	0	.1	.0	27	4	0	0	--
MAR 18...	11	5	60	12	0	.0	.0	19	4	0	0	--
APR 25...	12	5	90	19	0	.0	.0	10	0	0	0	--
MAY 25...	9	5	20	8	3	.0	.0	14	8	0	0	--
JUN 16...	7	7	40	5	5	.0	.0	9	3	0	0	--
JUL 19...	5	5	10	8	5	.4	.0	7	0	0	0	--
SEP 03...	12	5	400	5	2	.0	.0	10	2	1	1	--
07...	8	5	460	5	2	.0	.0	7	3	0	0	.0

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (Zn) (UG/L)	DIS- SOLVED ZINC (Zn) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 18...	20	20	8.9	.00	0	0	.0	.00	.00	.0	.00	.00
NOV 23...	20	10	5.2	.00	1	0	.0	.00	.00	.0	.00	.00
DEC 16...	30	20	22	.00	0	0	.0	.00	.00	.0	.00	.00
JAN 13...	30	0	15	.00	1	0	.0	.00	.00	.0	.00	.00
FEB 17...	70	30	13	.00	1	0	--	--	--	--	--	--
MAR 18...	150	40	7.6	.00	0	0	.0	.00	.00	.0	.00	.00
APR 25...	20	10	13	--	0	0	.0	.00	.00	.0	.00	.00
MAY 25...	30	10	12	.00	2	1	.0	.00	.00	.0	.00	.00
JUN 16...	30	30	4.5	.00	0	1	.0	.00	.000	.0	.000	.000
JUL 19...	10	0	7.8	.00	0	0	.0	.00	.000	.0	.000	.000
SEP 03...	20	0	15	.00	2	0	.0	.00	.000	.0	.000	.000
07...	20	20	11	.00	8	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
OCT 18...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
NOV 23...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
DEC 16...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JAN 13...	.00	.00	.00	--	.00	.00	.00	.00	.00	.00	--	.00
FEB 17...	--	.00	--	--	--	.00	--	--	--	.00	--	.00
MAR 18...	.00	.02	.00	--	.00	.00	.00	.00	.00	.00	--	.00
APR 25...	.00	.00	.02	--	.00	.00	.00	.00	.00	.00	--	.00
MAY 25...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--	.00
JUN 16...	.000	.00	.000	.000	.000	.00	.000	.000	.00	.00	.00	.00
JUL 19...	.000	.00	.001	.000	.000	.00	.000	.000	.00	.00	.00	.00
SEP 03...	.000	.00	.007	.000	.000	.00	.000	.000	.00	.00	.00	.02
07...	.000	.00	.000	.000	.000	.00	.000	.000	.00	.00	.00	.01

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	.00	.00	0	.00	.00	.00	.00	--	--	--	--
NOV 23...	.00	.00	.00	0	.00	.00	.00	.00	5.18	.718	--	--
DEC 16...	.00	.00	.00	0	.00	.00	.00	.00	.54	.291	--	--
JAN 13...	.00	.00	.00	0	.00	.00	.00	.00	3.50	.532	--	--
FEB 17...	.00	.00	.00	--	.00	.00	.00	.00	--	--	.865	.000
MAR 18...	.00	.00	.00	0	.00	.00	.00	.00	--	--	--	--
APR 25...	.00	.00	.00	0	.00	.06	.01	.00	--	--	.059	.069
MAY 25...	.00	.00	.00	0	.00	.00	.00	.00	--	--	.385	.028
JUN 16...	.00	.00	.00	.0	.00	.00	.01	.01	--	--	1.27	.020
JUL 19...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	2.85	.733
SEP 03...	.00	.00	.00	.0	.00	.07	.07	.02	--	--	.635	.175
07...	.00	.00	.00	.0	.00	.00	.00	.00	--	--	2.42	.346

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	17.5	10.5	10.0	9.0	16.0	20.5	22.0	29.0	28.5	30.5	27.0
2	25.0	16.0	10.0	10.0	9.0	16.5	21.5	22.5	24.5	29.0	30.5	28.0
3	25.0	16.5	10.5	9.5	9.0	16.0	22.5	24.0	29.5	29.5	29.5	28.0
4	24.0	16.5	10.0	10.0	10.0	16.0	23.0	21.0	29.0	30.0	29.5	28.0
5	20.5	15.0	10.0	11.0	10.5	16.0	22.5	25.0	26.0	30.0	29.5	27.0
6	23.5	16.0	10.0	10.5	7.0	16.0	20.0	24.5	26.5	23.5	30.0	25.5
7	24.0	16.0	10.0	10.0	8.5	15.0	21.0	26.0	26.0	27.0	30.0	28.0
8	22.5	15.0	10.5	10.5	9.0	15.0	21.5	26.0	28.0	29.0	30.0	21.0
9	21.0	16.0	10.5	12.5	10.0	14.5	21.0	26.5	28.0	30.0	30.0	25.5
10	21.0	17.0	10.0	10.5	10.5	15.0	22.0	26.5	28.5	29.0	30.0	25.5
11	21.0	17.5	10.5	8.5	10.5	19.0	22.0	26.0	29.0	30.0	29.0	25.5
12	21.0	17.0	10.5	8.5	10.5	18.5	22.5	26.5	30.0	29.0	28.0	25.5
13	20.5	16.5	12.0	9.5	10.5	18.0	22.0	25.0	28.5	30.0	28.0	24.5
14	26.0	16.0	10.0	11.0	10.5	19.0	23.0	25.5	28.0	29.0	28.0	27.0
15	21.5	14.0	12.5	10.5	10.0	20.0	23.0	26.0	28.0	30.0	29.0	25.5
16	22.0	13.0	12.0	10.5	---	20.0	23.0	26.0	28.0	29.5	28.0	26.0
17	20.0	13.0	12.5	8.5	10.5	20.0	23.0	25.0	28.5	29.0	29.0	25.0
18	19.0	13.0	13.0	8.0	10.5	20.0	24.0	25.0	29.5	29.0	29.0	27.0
19	18.0	14.0	13.5	7.5	10.5	20.0	25.0	26.0	29.5	29.0	29.0	28.5
20	18.0	13.0	14.0	8.0	14.5	20.5	24.5	26.5	30.0	29.5	29.0	27.0
21	17.0	14.0	12.0	8.0	14.5	---	20.0	26.0	30.0	28.0	29.5	29.0
22	16.0	14.0	11.0	8.5	16.0	10.0	20.0	25.5	29.5	28.0	28.5	28.0
23	17.5	13.0	12.5	8.5	16.5	---	20.0	25.0	30.0	23.0	28.0	28.0
24	18.0	13.0	11.5	9.0	15.0	18.0	20.0	26.0	30.0	30.5	28.0	29.0
25	19.0	13.0	12.0	9.0	16.5	16.5	20.0	25.5	29.5	30.5	29.0	29.0
26	18.0	14.5	12.5	9.0	16.0	22.0	21.0	25.5	30.0	35.0	28.5	29.0
27	18.0	16.0	12.0	10.0	16.5	18.0	21.5	24.5	31.0	30.0	28.0	29.5
28	18.0	14.0	---	10.0	16.0	20.0	21.0	24.5	30.5	32.0	27.5	27.0
29	18.0	9.5	13.0	9.0	---	18.5	22.5	---	30.0	30.0	28.0	29.0
30	18.0	9.5	12.5	9.5	---	20.0	23.0	25.0	28.5	30.5	28.0	30.0
31	18.0	---	12.0	8.5	---	22.0	---	25.0	---	30.5	26.5	---

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120	1400	2100	1400	330	900	2000	1600	1100	1900	100	2700
2	55	1400	2500	1800	260	890	1600	1500	1100	1800	99	2800
3	50	2300	2200	1600	210	1000	1300	1900	1100	1800	110	2800
4	50	2200	1800	1200	300	1300	1200	1400	1200	1600	140	2700
5	75	930	2000	1200	320	2600	810	1500	1100	1600	380	2800
6	45	660	2000	1000	310	2300	490	1800	1200	1600	170	2700
7	45	510	2000	1300	310	1800	380	1700	1600	1500	120	2800
8	200	580	1500	1300	350	2000	510	1700	1900	1400	230	3100
9	75	570	1500	930	320	1900	400	1600	1800	1400	240	3200
10	160	800	1600	860	240	1200	180	1400	1900	1400	810	3100
11	220	850	1400	920	190	1200	190	1200	1800	1300	1300	2900
12	220	1400	1400	660	170	2200	280	1400	1700	1400	1400	3600
13	200	350	1200	650	170	2100	280	1400	1600	1200	1400	3600
14	270	450	1300	550	150	2200	250	1300	1700	1100	1400	3800
15	120	350	1800	420	170	2700	380	1200	1800	900	1500	4200
16	---	430	1900	310	250	2400	1300	1100	2000	740	1500	4000
17	170	360	1900	310	270	1600	1900	1000	2200	530	1400	3900
18	150	600	1700	370	340	2100	1800	1000	2000	460	1500	4000
19	38	900	1200	500	230	2000	1800	800	2000	350	1500	4300
20	70	1400	1400	560	220	2400	1700	980	2000	210	2000	4600
21	43	1300	1400	450	480	2500	1700	920	2000	270	1900	4500
22	43	550	1200	360	420	2300	1800	900	2000	160	2200	4500
23	180	440	1400	350	280	2700	1600	900	2000	180	2200	4800
24	480	710	1800	340	280	3100	1600	920	2100	120	2100	5100
25	560	590	2000	310	270	2900	1500	930	2000	130	2000	4700
26	170	1100	1400	440	510	2500	1500	810	2000	110	1900	4800
27	90	1300	1400	340	350	2400	1500	880	2100	98	2000	4800
28	48	1600	1600	310	320	2200	1600	840	2000	100	1900	4800
29	200	1500	1400	320	640	2000	1600	860	2000	90	3000	4400
30	1300	1800	1800	610	---	1900	1700	920	2000	98	2500	4300
31	770	---	1400	400	---	2100	---	1000	---	96	2600	---

DISSOLVED CHLORIDE (CL), MG/L
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4400	3700	970	46	69	230	3000	34	53	2500	200	1400
2	4600	3100	880	90	91	460	3400	---	310	2800	220	1200
3	4600	3100	770	66	380	1600	3400	12	410	3000	240	36
4	4700	3100	620	79	220	2300	3400	19	450	3300	460	31
5	4500	3000	580	150	84	1700	3400	17	870	3300	270	69
6	4400	3200	630	90	60	1200	3000	16	820	3300	310	31
7	4400	3400	620	82	51	580	2400	20	730	3300	390	31
8	4400	2900	460	68	77	530	2000	20	1000	3200	600	34
9	4600	3500	340	---	52	520	1400	21	1600	3100	890	35
10	4500	3300	470	70	45	420	1200	30	1800	3100	820	29
11	4300	3700	320	75	110	980	2100	84	1800	3100	1200	26
12	4600	3500	360	84	150	2000	2000	41	1800	3100	1700	26
13	3500	3300	220	140	46	1300	2000	300	1600	3000	1600	25
14	3800	2200	180	140	58	1200	2100	81	1400	2800	1800	22
15	3900	2900	140	68	70	1600	2100	53	1400	2400	1700	22
16	3900	3100	150	78	---	1200	2200	22	1500	2400	1500	26
17	3000	3400	140	64	200	880	2300	22	1500	2300	1300	34
18	2400	2700	150	60	66	1400	2700	24	1200	2800	1100	34
19	3300	3500	130	50	56	1400	2800	150	1200	2300	940	49
20	5600	3500	130	40	57	1000	3200	240	980	2300	840	24
21	2500	3000	100	44	59	1600	2700	240	1500	2300	700	32
22	3200	2700	82	31	110	580	180	350	550	1600	470	26
23	3700	2500	110	45	140	---	35	400	390	1200	320	29
24	4500	1900	95	50	590	1100	40	380	360	630	200	31
25	4500	2200	390	50	250	1400	40	430	270	1200	160	27
26	4400	1100	240	44	500	2000	40	410	660	880	110	32
27	4400	1400	130	50	780	3500	23	380	1400	650	140	69
28	4000	1500	110	78	360	3000	98	230	1700	700	230	38
29	4200	1400	84	61	---	3100	23	150	2100	720	300	42
30	5400	1200	67	48	---	3300	46	210	2300	1100	22	35
31	4000	---	67	100	---	3200	---	100	---	1500	770	---

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.--

CHLORIDE: Maximum daily, 5,100 mg/L Sept. 24, 1976; minimum daily, 3.0 mg/L July 15, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 35.0°C July 26, Aug. 1; minimum daily, Feb. 6.

CHLORIDE: Maximum daily, 4,700 mg/L Oct. 3; minimum daily, 14 mg/L Apr. 30, May 1, 3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL./100 ML)	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1335	6460	7.7	10	60	8.5	--	2.2	200	B13	--	--
NOV 23...	1300	5830	7.6	--	65	10.2	--	2.7	350	B70	650	600
DEC 16...	1130	531	7.2	100	--	9.7	16	2.9	B200	120	70	41
JAN 13...	1040	332	6.5	130	55	--	16	--	B900	B200	43	21
FEB 17...	1245	3920	7.7	50	45	8.8	--	2.5	--	1000	400	340
MAR 18...	1130	893	6.9	180	30	7.3	88	1.3	B150	B50	97	67
APR 25...	1540	291	6.9	240	65	--	73	--	--	--	47	27
MAY 25...	1205	3220	7.5	70	75	6.2	10	1.7	B200	B10	330	280
JUN 16...	1010	4490	7.5	30	30	7.0	--	1.7	--	20	450	420
JUL 19...	1030	7760	7.8	30	35	8.3	--	2.5	B150	B40	850	790
SEP 03...	1110	152	7.2	150	60	8.3	56	4.2	B750	0	34	0
07...	1055	252	7.9	120	55	5.1	52	2.7	1100	0	47	0

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)
OCT 18...	--	--	52	0	280	2000	--	139	<1.0	.01	.01	.02
NOV 23...	62	120	56	0	240	1700	--	144	--	.07	.02	.09
DEC 16...	10	11	36	0	28	150	--	604	--	.36	.03	.39
JAN 13...	7.5	5.8	26	0	17	73	--	444	<1.0	.23	.00	.23
FEB 17...	38	73	65	0	170	1200	--	660	<1.0	.25	.01	.26
MAR 18...	14	15	36	0	36	220	--	760	<1.0	.74	.01	.75
APR 25...	7.9	6.6	24	0	15	88	86	--	<1.0	.24	.10	.34
MAY 25...	--	--	59	0	120	470	192	--	<1.0	.31	.02	.33
JUN 16...	48	80	34	0	160	1300	26	--	<1.0	.29	.00	.29
JUL 19...	75	160	67	0	320	2400	80	--	<1.0	.00	.01	.01
SEP 03...	7.8	3.5	41	0	6.8	18	60	--	<1.0	.10	.08	.18
07...	11	4.7	63	0	6.3	47	110	--	<1.0	.04	.09	.13

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
OCT 18...	.84	--	2	1	0	0	0	0	20	0	5	4
NOV 23...	--	.11	3	1	0	0	0	0	10	0	7	3
DEC 16...	3.2	.20	10	2	0	0	1	0	20	0	18	5
JAN 13...	1.6	.19	8	1	0	0	0	0	20	0	15	10
FEB 17...	1.8	.43	6	1	0	0	0	0	40	0	19	11
MAR 18...	2.7	.23	12	0	0	0	0	0	10	0	21	5
APR 25...	1.3	.24	6	1	0	0	0	0	20	0	13	5
MAY 25...	1.2	.13	2	--	0	--	0	--	30	--	5	--
JUN 16...	.92	.07	1	1	0	0	1	1	20	0	7	7
JUL 19...	.47	.07	0	0	0	0	0	0	20	0	4	4
SEP 03...	1.6	.25	2	2	10	0	5	0	10	0	7	5
07...	2.3	.16	2	1	10	10	10	1	10	0	5	4

DATE	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 18...	50	7	0	.4	.2	9	4	0	0	--	30	10
NOV 23...	30	10	0	.1	.0	8	3	0	0	--	7	7
DEC 16...	280	23	0	.0	.0	18	2	1	0	--	60	10
JAN 13...	200	16	0	.0	.0	17	9	0	0	3.0	30	30
FEB 17...	170	23	0	.1	.0	22	5	0	0	--	60	20
MAR 18...	120	28	0	.0	.0	26	0	0	0	--	70	10
APR 25...	80	18	0	.0	.0	10	0	0	0	2.0	20	10
MAY 25...	30	8	--	.0	--	9	--	0	0	--	20	--
JUN 16...	20	5	4	.0	.0	7	3	0	0	--	30	30
JUL 19...	10	5	3	.2	.0	7	2	0	0	--	10	10
SEP 03...	510	3	2	.0	.0	5	2	1	0	--	10	0
07...	480	5	1	.0	.0	6	3	1	0	.0	20	10

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 18...	8.6	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV 23...	8.0	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
DEC 16...	23	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 13...	17	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
FEB 17...	15	.00	0	1	--	--	--	--	--	--	--	.00
MAR 18...	15	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.01
APR 25...	9.2	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.00
MAY 25...	12	--	1	4	.0	.00	.00	.0	.00	.00	.00	.00
JUN 16...	5.0	.00	0	1	.0	.00	.0000	.0	.0000	.0000	.0000	.00
JUL 19...	8.9	.00	0	0	.0	.00	.0000	.0	.0000	.0000	.0000	.00
SEP 03...	15	.00	3	0	.0	.00	.0000	.0	.0000	.0000	.0000	.00
07...	12	.00	6	0	.0	.00	.0000	.0	.0000	.0000	.0000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 23...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 13...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 17...	--	--	--	.00	--	--	--	.00	--	.00	.00	.00
MAR 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 25...	.02	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 25...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JUN 16...	.004	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00	.00	.00
JUL 19...	.001	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.01	.00	.00
SEP 03...	.005	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.03	.00	.00
07...	.000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.01	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2+4-D (UG/L)	TOTAL 2+4+5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	0	.00	.00	.00	.00	6.93	.000	--	--	--	--
NOV 23...	.00	0	.00	.00	.00	.00	--	--	5.06	2.40	--	--
DEC 16...	.00	0	.00	.00	.00	.00	--	--	1.03	.585	--	--
JAN 13...	.00	0	.00	.00	.00	.00	--	--	.41	.234	--	--
FEB 17...	.00	--	.00	.00	.00	.00	--	--	--	--	.689	.038
MAR 18...	.00	0	.00	.00	.00	.00	--	--	--	--	.014	.000
APR 25...	.00	0	.00	.04	.01	.00	--	--	--	--	.019	.140
MAY 25...	.00	0	.00	.00	.00	.00	--	--	--	--	.113	.016
JUN 16...	.00	0	.00	.00	.00	.00	--	--	--	--	1.24	.208
JUL 19...	.00	0	.00	.00	.00	.00	--	--	--	--	1.85	.310
SEP 03...	.00	0	.00	.00	.00	.00	--	--	--	--	.800	.027
07...	.00	0	.00	.00	.00	.00	--	--	--	--	2.16	.284

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	17.5	10.5	10.0	9.0	16.0	20.5	22.0	29.0	28.5	30.5	27.0
2	25.0	16.5	10.0	10.0	9.0	16.5	21.5	22.5	24.5	29.0	30.5	28.0
3	25.0	16.5	10.5	9.5	9.0	16.0	22.5	24.0	26.5	29.0	29.5	28.0
4	24.0	16.5	10.0	10.0	10.0	16.0	22.5	24.0	26.0	30.0	29.5	28.0
5	20.5	15.0	10.0	11.0	10.5	16.0	21.0	25.0	26.0	30.0	29.5	27.0
6	23.5	16.0	10.0	10.5	7.0	16.0	21.0	24.5	26.5	30.5	30.0	25.5
7	24.0	16.0	10.0	10.0	8.5	15.0	21.5	26.0	26.0	29.0	30.0	28.0
8	22.5	15.0	10.5	10.5	9.0	15.0	21.0	26.0	28.0	29.0	30.0	28.0
9	21.0	16.0	10.5	12.5	10.0	14.5	22.0	26.5	28.0	30.0	30.0	25.5
10	21.0	17.0	10.5	8.5	10.5	---	22.0	26.5	28.5	29.0	30.0	25.5
11	21.0	17.5	10.0	8.5	10.5	19.0	22.5	26.0	29.0	29.5	29.5	25.5
12	21.0	17.0	10.5	8.5	10.5	18.5	22.0	26.5	30.0	29.0	28.0	25.5
13	21.5	16.5	10.5	9.5	10.5	18.0	23.0	25.0	28.5	30.0	28.0	25.5
14	20.5	16.0	12.0	11.0	10.5	19.0	23.0	25.5	28.0	30.0	28.5	27.0
15	21.0	14.0	10.0	10.5	10.0	20.0	23.0	26.0	---	30.0	29.0	25.5
16	22.0	13.0	12.0	10.5	12.0	20.0	23.0	26.0	28.0	29.5	28.0	26.0
17	20.0	13.0	12.5	8.5	10.5	20.0	23.0	25.0	28.5	29.0	29.0	25.0
18	19.0	13.0	13.0	8.0	10.5	20.0	24.0	25.0	29.5	29.0	29.0	27.0
19	18.0	14.0	13.5	7.5	14.5	20.0	25.0	26.0	29.5	29.0	29.0	28.5
20	18.0	13.0	14.0	8.0	14.5	20.5	24.5	26.5	30.0	29.5	29.0	27.0
21	17.0	14.0	12.0	8.0	14.5	20.0	20.5	26.0	30.0	28.0	29.5	29.0
22	16.0	14.0	11.5	8.5	16.0	20.0	20.0	25.5	29.5	28.0	28.5	28.0
23	16.5	13.0	12.5	8.5	16.5	19.0	20.0	25.0	30.0	28.0	28.0	28.0
24	18.0	13.0	11.5	9.0	15.0	18.0	20.0	26.0	30.0	30.5	28.0	29.0
25	19.0	13.0	12.0	9.0	16.5	16.5	20.0	25.5	29.5	30.5	29.0	29.0
26	18.0	14.5	12.5	9.0	16.0	16.5	21.0	25.5	30.0	35.0	28.5	29.0
27	18.0	16.0	12.0	10.0	16.5	20.0	21.5	24.5	31.0	30.0	28.0	29.5
28	18.0	14.0	13.0	10.0	16.0	18.5	21.0	24.5	30.5	32.0	27.5	28.5
29	18.0	9.5	13.0	9.0	---	22.0	22.5	24.5	30.0	30.0	28.0	29.0
30	18.0	9.5	12.5	9.5	---	20.0	23.0	25.0	28.5	30.5	28.0	29.5
31	18.5	---	12.0	8.5	---	22.0	---	25.0	---	30.5	26.5	---

MISSISSIPPI RIVER DELTA

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	220	1700	1300	260	660	1900	1600	1100	1900	98	2400
2	28	---	1700	1400	270	790	1600	1500	1100	1700	100	2600
3	27	---	1700	1400	250	920	1200	1500	1000	1700	87	2600
4	33	2000	1800	1300	260	1000	980	1400	1100	1700	110	2600
5	37	420	1800	1000	260	2400	680	1400	1100	1600	110	2800
6	30	230	1800	1100	270	2000	380	1600	1200	1600	96	2700
7	54	230	1800	1100	300	1500	250	1700	1400	1600	140	2700
8	180	210	1500	1200	340	1800	400	1400	1700	1400	200	3100
9	44	710	1400	940	300	1600	270	1500	1600	1400	270	3000
10	170	760	1200	710	210	1100	140	1200	1800	1400	330	3100
11	340	740	1200	850	160	900	140	1100	1800	1300	680	2900
12	200	1000	1200	620	140	1500	180	1300	1600	1200	1200	3500
13	140	290	1200	520	120	1200	150	1200	1700	1200	1300	3600
14	180	440	1100	460	130	1700	160	1300	1600	950	1200	3700
15	120	390	1600	340	150	1600	260	1100	1600	720	1400	4200
16	---	360	1800	430	190	1600	400	940	2000	600	1500	4000
17	140	480	1800	320	220	1300	1000	1000	2100	480	1400	3900
18	34	740	1400	310	280	1700	1700	800	1900	370	1400	3900
19	51	800	1000	400	220	1700	1700	700	2000	260	1400	4200
20	49	1300	1300	300	220	2300	1700	960	1900	200	1600	4600
21	33	860	1300	310	440	2200	1700	960	2000	200	1700	4400
22	40	460	1200	350	440	2200	1700	960	2000	130	1900	4400
23	65	420	1200	340	300	2300	1500	920	2000	100	2000	4700
24	280	480	1500	340	220	2800	1500	900	2000	88	2000	5000
25	260	760	1500	350	260	2100	1500	850	2000	79	1800	4600
26	130	1100	1100	380	420	2000	1500	890	2000	75	1700	4800
27	40	900	1300	340	350	1900	1500	870	2000	84	1700	4700
28	38	1400	1400	310	280	1700	1500	890	2000	85	1700	4700
29	220	1200	1500	300	580	1600	1600	850	2000	92	2100	4400
30	130	1900	1500	290	---	1800	1700	870	2000	90	2300	4000
31	97	---	1400	280	---	2000	---	1000	---	92	2500	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4000	3600	900	50	50	220	2800	14	52	2500	120	510
2	4200	3200	790	44	50	290	3100	18	220	2800	100	1200
3	4700	3000	660	50	300	1000	3300	14	270	3000	68	50
4	4500	2800	540	52	190	---	3400	17	320	3200	170	30
5	4400	2800	440	64	80	---	3400	19	820	3200	100	40
6	4300	2700	660	79	90	---	2900	17	780	3300	68	40
7	4300	2800	590	68	75	---	2300	20	620	3400	48	38
8	4400	2700	400	73	55	---	1800	20	810	3300	59	38
9	3400	2900	300	---	---	---	1400	25	1300	3000	530	30
10	3600	3100	340	---	55	---	1000	31	1500	3000	530	25
11	4300	3600	240	---	85	1000	2100	96	1700	3000	340	40
12	4100	2500	170	---	90	2000	2000	33	1900	3000	170	30
13	3500	2500	180	---	50	1200	2000	160	1800	2200	1700	20
14	3100	2500	140	---	55	1200	2000	60	1700	2200	1500	28
15	3300	2500	130	---	55	1600	2000	36	---	2400	980	22
16	3500	2400	120	---	45	1200	2200	24	1600	2400	800	22
17	2800	2800	120	---	50	840	2000	26	1500	2200	780	18
18	2300	2500	130	---	50	1400	2700	24	1400	2300	980	25
19	2400	3000	120	---	60	1300	2600	100	1200	1800	860	30
20	2100	3400	130	---	65	1000	2600	220	920	2300	810	22
21	1900	3000	79	---	95	1500	250	220	630	2400	670	30
22	2200	2700	64	---	120	450	65	290	340	1600	400	20
23	3300	2400	61	---	130	220	46	330	200	790	260	---
24	4500	2200	52	40	300	600	30	330	210	510	170	---
25	4500	2000	180	40	170	1100	40	400	170	880	100	35
26	4400	1400	65	45	480	1800	27	370	160	850	92	32
27	4000	1500	100	40	680	2900	26	270	43	620	54	38
28	4100	1600	67	45	360	2400	20	170	1300	570	160	50
29	4000	1500	56	45	---	2800	16	81	1900	560	300	38
30	4200	1200	55	50	---	3300	14	84	2200	460	22	32
31	3800	---	65	---	---	2900	---	50	---	250	660	---

MISSISSIPPI RIVER DELTA

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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.--

CHLORIDE: Maximum daily, 7,200 mg/L Oct. 30, 1976; minimum daily, 30 mg/L Mar. 25, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES, 1977: Maximum daily, 31.5°C July 26, 27; minimum daily, 1.0°C Jan. 10.

CHLORIDE, 1976: Maximum daily, 4,600 mg/L Sept. 23-25, 27; minimum daily, 65 mg/L Oct. 4.

CHLORIDE, 1977: Maximum daily, 7,200 mg/L Oct. 30; minimum daily, 52 mg/L May 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	15.0	17.0	6.5	5.0	15.0	21.0	24.0	28.0	29.0	30.0	26.5
2	23.5	15.0	8.0	5.0	6.5	15.0	22.0	23.0	28.0	30.0	30.0	26.5
3	24.0	16.0	6.0	---	8.5	16.0	23.0	23.5	29.0	29.0	30.0	27.5
4	24.0	16.0	8.5	6.5	9.0	16.0	23.0	24.0	28.0	29.0	30.0	27.5
5	25.0	16.0	8.5	---	9.0	14.0	19.0	24.5	29.0	29.0	29.0	26.0
6	22.0	14.5	11.0	---	8.5	13.0	17.0	20.5	29.0	28.5	30.0	26.0
7	20.5	15.0	11.0	---	8.0	13.5	19.0	24.5	31.0	31.0	30.0	27.0
8	20.0	14.0	8.0	9.0	8.0	14.0	18.0	26.0	31.0	31.0	31.0	27.0
9	26.0	14.0	9.0	9.0	8.0	13.0	21.5	25.0	28.0	30.0	30.0	27.0
10	28.0	16.0	11.0	1.0	9.5	15.0	21.0	24.5	27.5	28.0	25.0	26.5
11	28.0	19.0	12.5	3.0	11.0	19.0	21.0	23.5	29.0	29.0	28.5	27.0
12	28.5	16.0	14.0	5.5	---	16.0	22.0	25.0	28.0	27.0	28.5	28.0
13	28.5	12.0	12.0	7.5	12.5	16.5	22.5	25.5	27.0	29.0	28.0	30.0
14	28.5	11.0	---	9.5	11.0	17.0	22.0	25.5	27.0	29.0	28.5	27.0
15	20.5	10.5	---	8.0	12.0	19.0	23.0	25.5	26.5	28.5	28.0	27.0
16	21.0	10.5	11.0	8.0	12.0	20.0	23.0	25.0	27.0	28.5	29.0	26.0
17	17.0	11.0	10.5	4.0	11.0	20.0	24.0	25.0	26.0	28.0	29.0	26.5
18	16.0	10.0	11.0	---	13.0	20.5	24.0	25.0	26.0	28.5	29.0	28.0
19	16.0	11.0	---	4.0	15.0	21.0	24.0	25.0	29.5	27.5	28.0	28.5
20	16.0	11.0	13.0	4.0	12.5	22.0	24.0	26.0	29.0	29.0	28.0	26.0
21	14.5	12.0	9.0	4.5	13.0	21.5	23.0	26.0	29.5	28.5	28.0	26.0
22	14.5	13.0	9.0	6.5	15.0	20.0	21.0	---	30.0	28.5	28.0	27.5
23	17.5	10.5	10.0	7.0	17.0	18.0	22.0	25.0	30.0	29.0	28.0	26.0
24	18.0	10.5	8.0	8.0	13.0	18.0	21.0	24.5	30.5	30.0	28.0	27.5
25	18.0	12.0	10.0	7.0	16.5	16.5	20.0	26.0	30.5	30.0	26.5	28.0
26	18.5	15.0	10.0	8.0	19.0	17.5	21.0	26.0	30.5	31.5	27.0	28.5
27	16.0	7.5	10.0	8.5	14.0	21.0	21.0	26.5	30.5	31.5	28.0	28.0
28	---	14.5	11.5	10.5	14.0	19.0	21.5	27.0	30.5	30.0	27.5	28.0
29	15.0	10.5	10.5	5.5	---	21.0	22.0	27.5	30.0	30.0	27.5	29.0
30	13.5	12.0	11.0	7.0	---	22.0	23.0	27.5	29.0	30.0	27.0	29.0
31	15.5	---	11.0	4.5	---	21.0	---	28.0	---	30.0	27.0	---

MISSISSIPPI RIVER DELTA

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	160	1200	1400	420	600	1100	1200	1300	900	590	3300
2	90	1400	1700	2000	440	800	440	1200	1200	940	1500	3500
3	80	2600	2000	550	460	760	490	1500	1300	1200	1900	3800
4	65	2500	2000	430	500	800	460	890	1200	1300	1200	2700
5	320	1100	1600	260	490	2300	560	1200	1200	1800	1300	3300
6	300	1300	1900	390	130	1400	520	1700	1400	1500	1100	3000
7	320	1500	1900	1100	140	1400	540	1700	1400	1600	1300	1200
8	320	1100	2000	420	300	2200	560	1400	1800	1600	1500	3400
9	400	1800	330	410	420	2800	530	1300	1600	300	2000	3500
10	440	2300	360	420	500	1400	520	1200	1700	460	2200	2900
11	440	1600	450	420	500	1300	510	1300	1800	120	1400	3400
12	480	2000	810	360	520	2500	440	1100	1900	500	2100	3300
13	750	170	720	360	490	1900	340	1300	1900	640	1300	3000
14	850	110	760	300	240	1200	380	140	2000	560	1800	3800
15	1400	100	1500	340	280	2300	450	590	2100	570	1300	4200
16	1600	120	1300	300	630	3000	1200	570	2300	620	1600	4400
17	1700	120	2000	410	460	2000	1700	640	2000	72	410	4200
18	180	470	1700	440	430	1600	1700	590	2300	81	1500	4200
19	1200	650	620	340	360	2500	1800	620	1900	430	1700	4200
20	140	1300	1800	300	220	2600	1800	680	2000	410	2000	4300
21	300	1000	800	560	320	2900	1600	620	1900	430	2200	4400
22	420	910	1400	230	430	1700	1400	570	2000	620	2100	4500
23	400	1100	1300	310	280	2700	1400	630	1800	700	2200	4600
24	260	1500	800	430	460	1300	1700	500	2100	450	2200	4600
25	650	1400	2900	440	500	2000	1700	620	2200	760	2300	4600
26	1200	1200	2100	750	360	2300	1400	620	2200	760	3000	4500
27	850	1400	1900	1000	520	2000	950	900	2000	710	620	4600
28	850	1300	490	380	520	2400	1200	900	2000	710	3500	4500
29	800	1700	1900	400	620	2200	1700	700	2100	670	3200	4300
30	160	1800	760	560	---	2400	1700	1000	1900	440	3300	4200
31	100	---	540	760	---	520	---	1300	---	620	3600	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3400	2800	400	450	280	650	3400	300	530	1000	250	2300
2	3400	3200	610	370	400	910	3200	300	730	1700	260	2500
3	1800	2300	580	---	200	1000	3200	280	780	1900	150	710
4	3600	3300	550	340	130	2400	3400	290	800	720	200	350
5	3600	1300	320	---	120	1100	2700	260	940	1800	230	1100
6	4000	1000	530	---	110	880	330	260	1000	1900	320	270
7	2200	2800	110	---	99	130	260	250	990	1900	330	380
8	2200	3800	550	---	140	130	480	220	980	1900	400	290
9	1000	3300	430	340	140	210	280	240	1600	1800	470	350
10	2100	3900	670	350	110	180	250	240	1800	1800	740	260
11	2100	3300	140	350	110	400	370	270	2100	2000	780	260
12	2600	3300	360	200	---	2600	1500	230	1800	1600	1200	260
13	2000	3200	520	95	380	1800	1600	230	2300	1500	1200	250
14	2500	3300	---	260	68	1600	1700	260	1800	1500	1200	150
15	2200	3400	---	340	130	1800	2000	260	1600	400	280	220
16	2800	1700	410	320	140	1400	2200	260	1700	1600	330	250
17	1000	3100	510	340	180	1200	2400	260	1400	1900	290	110
18	920	4000	530	340	200	1500	2900	240	260	1100	320	220
19	2700	3500	500	360	210	1400	3000	330	190	1700	270	210
20	3600	1700	480	700	180	900	3000	52	200	270	220	220
21	890	2400	480	320	190	1200	2800	420	200	200	230	210
22	3800	2600	330	340	250	1600	430	1000	190	240	320	220
23	3200	760	420	290	200	1100	750	260	170	220	180	220
24	4000	500	250	320	140	1000	560	410	150	250	200	210
25	4000	620	360	310	660	500	450	310	140	210	220	230
26	2900	680	370	320	540	1800	420	200	120	280	240	200
27	2500	800	410	310	1000	3700	330	180	510	150	140	210
28	---	500	400	320	200	3900	340	190	1300	250	140	230
29	3200	580	460	280	---	3500	320	260	1500	110	200	220
30	7200	520	420	320	---	3600	280	280	1500	240	53	230
31	4200	---	---	300	---	3000	---	460	---	230	140	---

MISSISSIPPI RIVER DELTA

195

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.--

CHLORIDE: Maximum daily, 4,600 mg/L Set. 24, 27, 1976; minimum daily, 30 mg/L Feb. 4, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES, 1977: Maximum daily, 31.5°C July 26, 27; minimum daily, 1.0°C Jan. 10.

CHLORIDE, 1976: Maximum daily, 4,600 mg/L Sept. 24, 27; minimum daily, 62 mg/L July 18.

CHLORIDE, 1977: Maximum daily, 3,500 mg/L Oct. 6; minimum daily, 30 mg/L Feb. 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	15.0	17.0	---	5.0	15.0	21.0	24.0	28.0	30.0	30.0	26.5
2	23.5	15.0	8.0	6.0	6.5	15.0	22.0	23.0	28.0	30.0	30.0	26.5
3	24.0	16.0	6.0	5.0	8.5	16.0	23.0	23.5	29.0	29.0	30.0	27.5
4	24.0	16.0	8.5	---	9.0	16.0	23.0	24.0	28.0	29.0	30.0	27.5
5	25.0	16.0	8.5	8.0	9.0	14.0	19.0	24.5	29.0	29.0	29.0	26.0
6	22.0	14.5	11.0	---	8.5	13.0	17.0	20.5	29.0	28.5	30.0	26.0
7	20.5	15.0	11.0	---	8.0	13.5	19.0	24.5	31.0	31.0	30.0	27.0
8	20.0	14.0	8.0	9.0	8.0	14.0	18.0	26.0	31.0	31.0	31.0	27.0
9	26.0	14.0	9.0	9.0	8.0	13.0	21.5	25.5	28.0	30.0	30.0	27.0
10	28.0	16.0	11.0	1.0	9.5	15.0	21.0	24.5	27.5	28.0	29.0	26.5
11	28.0	19.0	12.0	3.0	11.0	19.0	21.0	23.5	29.0	29.0	29.0	27.0
12	28.5	16.0	14.0	5.5	---	16.0	22.0	25.0	28.0	27.0	28.0	28.0
13	28.5	12.0	12.0	7.5	12.5	16.5	22.5	25.5	27.0	29.0	28.5	28.0
14	28.5	11.0	11.0	9.5	11.0	17.0	22.0	25.5	27.0	29.0	28.0	27.0
15	20.5	10.5	11.0	8.0	12.0	19.0	23.0	25.5	26.5	28.5	29.0	27.0
16	21.0	10.5	11.0	8.0	12.0	20.0	23.0	25.0	27.0	28.5	29.0	26.0
17	17.0	11.0	10.5	4.0	11.0	20.0	24.0	25.0	26.0	28.0	29.0	27.0
18	16.0	10.0	11.0	4.5	13.0	20.5	24.0	25.0	28.0	28.5	28.0	28.0
19	16.0	11.0	13.0	4.0	15.0	21.0	24.0	25.0	29.5	27.5	28.0	28.5
20	16.0	11.0	13.0	4.0	12.5	20.0	23.0	26.0	29.0	29.0	28.0	26.0
21	14.5	12.0	9.0	4.5	13.0	21.5	23.0	26.0	29.5	28.0	28.0	26.0
22	14.5	13.0	9.0	6.5	15.0	20.0	21.0	---	30.0	28.5	28.0	27.0
23	17.5	10.5	10.0	7.0	17.0	18.0	22.0	25.0	30.0	29.0	26.5	26.0
24	18.0	10.5	8.0	8.0	13.0	18.0	21.0	24.5	30.5	30.0	27.0	27.5
25	18.0	12.0	10.0	7.0	16.5	16.5	20.0	26.0	30.5	30.0	27.5	28.0
26	18.5	15.0	10.0	8.0	19.0	17.5	21.0	26.0	30.5	31.5	27.5	28.5
27	16.0	7.5	10.0	8.5	14.0	21.0	21.0	26.5	30.5	31.5	27.0	28.0
28	---	14.5	11.5	10.5	14.0	19.0	21.5	27.0	30.5	30.0	27.5	28.0
29	15.0	10.5	10.5	5.5	---	21.0	22.0	27.5	30.0	30.0	27.0	29.0
30	15.5	12.0	---	7.0	---	22.0	23.0	27.5	29.0	30.0	27.0	29.0
31	15.5	---	---	4.5	---	21.0	---	28.0	---	30.0	---	---

MISSISSIPPI RIVER DELTA

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	130	1100	1400	460	420	560	480	660	560	480	660
2	65	750	1100	1900	420	260	400	470	1100	600	600	640
3	80	380	1200	540	440	240	480	700	560	600	590	750
4	140	450	940	440	510	460	470	710	690	260	570	1900
5	310	1100	1300	270	480	340	540	740	720	200	1200	3200
6	340	540	1600	---	240	430	530	780	820	180	680	1100
7	320	1500	960	---	120	440	250	540	500	170	670	1100
8	340	580	1100	410	300	2100	570	240	1800	1600	620	1300
9	110	1600	360	420	460	340	500	320	650	260	630	1200
10	420	860	370	420	480	780	520	250	680	440	690	1300
11	440	750	500	400	500	770	290	270	620	120	420	1300
12	470	1600	480	280	540	810	320	200	790	440	520	1200
13	710	120	790	280	500	510	330	200	1000	600	400	2800
14	330	120	830	310	320	1100	180	130	860	580	470	2100
15	600	100	700	300	260	770	240	600	770	560	1200	3400
16	150	120	650	300	660	400	1200	560	550	610	320	3200
17	250	120	2000	400	430	550	950	640	570	94	420	2900
18	150	640	1700	350	300	430	940	590	1100	62	250	3600
19	140	770	480	330	160	1100	1200	610	530	72	300	3900
20	140	460	300	400	170	460	1800	680	580	77	250	4300
21	280	600	900	580	310	380	850	620	530	65	400	4300
22	460	520	300	260	280	350	1000	240	600	64	640	4500
23	180	330	500	330	320	350	1200	300	390	690	340	4400
24	160	220	580	350	460	330	750	420	250	120	330	4600
25	120	260	1200	390	500	440	1700	620	360	750	330	4500
26	540	1000	600	210	340	260	500	620	380	120	400	4500
27	410	440	400	220	360	260	490	800	380	130	470	4600
28	400	1200	470	400	500	1500	480	540	240	100	480	4500
29	500	1400	1200	500	520	150	310	700	680	120	430	4100
30	220	1100	770	400	---	220	300	900	580	120	500	4200
31	90	---	540	400	---	520	---	740	---	610	1700	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3300	2800	340	---	90	110	750	300	200	620	240	2300
2	2800	2600	540	370	56	290	1200	300	710	620	250	2500
3	1700	2300	460	370	140	230	740	290	360	1800	150	680
4	2300	1600	460	---	30	120	850	270	250	720	140	320
5	2200	1200	330	110	63	72	690	270	530	1300	240	370
6	3500	930	500	---	91	84	330	260	580	1200	130	260
7	1700	1400	100	---	58	130	260	240	350	1400	360	320
8	1800	2100	540	---	34	140	250	220	290	1000	120	290
9	850	2200	400	350	34	200	250	240	530	1700	130	280
10	750	2200	680	350	92	110	250	240	570	700	160	230
11	750	2100	110	---	49	400	320	240	1400	450	210	230
12	2200	2100	350	100	---	160	150	230	400	350	200	240
13	1000	1800	520	---	360	60	320	240	750	230	500	250
14	1100	1700	260	90	70	59	1700	260	250	230	350	150
15	930	920	450	180	140	120	1700	260	250	160	270	240
16	1500	820	400	280	120	96	350	260	140	250	320	190
17	920	830	490	340	180	130	1600	270	1100	330	300	120
18	900	820	530	340	220	100	2400	240	260	210	280	210
19	960	900	500	310	200	92	2700	240	190	290	270	210
20	950	1600	430	340	180	94	660	56	190	240	220	220
21	870	2300	440	300	140	140	740	420	200	190	220	200
22	1000	2300	320	230	---	100	440	120	190	220	280	220
23	1900	700	400	220	180	1000	700	140	160	210	170	220
24	2700	450	220	310	110	1000	550	380	120	240	170	210
25	1400	640	340	320	110	1300	460	310	140	210	210	210
26	1500	700	370	270	130	180	360	200	98	130	170	220
27	1400	810	420	310	160	470	340	180	160	130	130	220
28	---	520	410	310	140	1500	340	180	450	65	68	220
29	1700	480	460	290	---	250	320	250	470	80	110	230
30	2000	470	---	310	---	450	280	280	440	230	52	240
31	2800	---	---	140	---	540	---	460	---	210	120	---

MISSISSIPPI RIVER DELTA

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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.--

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, 31.0°C July 26; minimum daily, 6.0°C Jan. 19.

CHLORIDE: Maximum daily, 16,000 mg/L May 30, June 1, 5; minimum daily, 700 mg/L Aug. 30.

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

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

MISSISSIPPI RIVER DELTA

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11000	11000	7500	4000	6300	8100	4400	9000	16000	10000	9400	850
2	9900	8500	8200	4700	6400	8800	4100	8200	14000	11000	11000	2700
3	13000	11000	8800	5300	5900	7400	3700	5500	15000	10000	12000	1500
4	12000	11000	6900	6700	5300	7400	3200	4900	14000	10000	12000	1400
5	12000	10000	7900	9200	5000	7300	4400	4500	16000	9500	9700	1500
6	9400	6000	6900	6100	7900	8300	6100	4200	15000	8300	13000	1500
7	9300	9800	5700	5800	7300	10000	7100	4000	15000	9200	12000	1400
8	14000	8200	7500	9400	8700	13000	6200	3800	13000	9200	2800	1400
9	14000	9800	9800	9200	8900	9200	10000	4200	12000	11000	2300	4500
10	14000	8500	8800	7600	6000	7500	11000	9700	11000	11000	2300	4600
11	13000	8700	6900	5000	6100	8100	12000	6300	11000	11000	2300	5000
12	12000	8400	8300	8600	5400	6900	8100	5100	9000	11000	2600	4400
13	12000	9500	6600	6300	4600	6500	7400	4900	11000	8600	2200	1300
14	12000	9100	6000	6200	8200	8700	5500	4800	8600	9400	2300	1200
15	13000	11000	5300	5400	6200	9100	5800	4600	7500	10000	2200	1200
16	9500	10000	---	6400	8000	6800	5500	4200	6600	8200	5100	1300
17	9400	11000	---	4900	12000	7100	4700	4000	7200	7700	2100	1100
18	12000	11000	---	6900	9000	6800	3500	4000	7100	7200	2100	1200
19	11000	10000	---	4500	7900	6500	4100	3700	6400	6900	2100	---
20	10000	9500	---	5400	8200	6000	3700	3200	7800	6600	2000	1100
21	11000	9700	---	6800	1100	7200	3500	3200	8600	7300	2000	1000
22	11000	11000	---	11000	14000	5900	3600	2900	8100	7800	1900	1000
23	11000	9100	---	6300	9900	7700	4600	2800	8500	11000	1900	1000
24	8700	5000	---	5700	12000	7600	6000	3400	7500	10000	4400	950
25	9500	6200	---	9000	11000	6600	11000	3200	7500	12000	4600	1000
26	11000	7400	---	7800	8800	5600	3300	7000	8900	13000	1900	950
27	10000	6400	---	7400	8200	5300	7000	7900	10000	11000	1600	1000
28	11000	5700	---	9400	9300	4900	11000	12000	9500	11000	1700	4000
29	12000	4800	---	7200	---	4600	9900	15000	9600	9900	960	4200
30	8700	8100	---	6700	---	4500	9500	16000	10000	9800	700	1000
31	8700	---	---	6300	---	4500	---	13000	---	9200	850	---

MISSISSIPPI RIVER DELTA

199

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1320	2420	7.6	15	15	9.2	27	1.3	817	810	260	230
NOV 23...	1315	2360	7.4	--	15	11.0	16	2.1	--	--	260	230
DEC 16...	1315	1990	7.3	10	--	11.5	22	2.9	840	2	220	200
JAN 13...	1110	1420	7.0	40	65	--	10	--	<5	<5	150	120
FEB 17...	1300	565	7.2	220	40	10.2	75	1.7	8100	812	65	54
MAR 18...	1145	784	7.0	200	35	7.7	78	.1	<5	<5	84	56
APR 25...	1510	1630	7.5	120	70	--	56	--	--	--	180	150
MAY 25...	1150	631	7.5	240	70	8.0	45	3.4	<5	<5	93	64
JUN 16...	1000	643	7.5	160	50	7.9	40	1.1	--	68	66	38
JUL 19...	1020	703	7.5	110	80	7.6	25	.9	831	<5	79	50
SEP 03...	1055	952	7.4	30	40	8.5	27	1.8	810	0	110	72
07...	1105	890	7.5	20	35	8.4	26	1.2	<5	0	94	60

DATE	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT 18...	35	43	39	0	110	680	--	23	<1.0	.00	.01	.01
NOV 23...	33	43	40	0	100	650	--	23	--	.05	.00	.05
DEC 16...	27	38	32	0	88	560	--	26	--	.07	.01	.08
JAN 13...	20	25	37	0	63	390	--	40	<1.0	.17	.02	.19
FEB 17...	10	9.6	13	0	26	140	--	518	<1.0	.34	.00	.34
MAR 18...	12	13	33	0	35	190	--	474	<1.0	.43	.01	.44
APR 25...	21	30	38	0	67	460	69	--	<1.0	.41	.05	.46
MAY 25...	11	16	36	0	32	160	194	--	<1.0	.48	.04	.52
JUN 16...	10	10	34	0	30	160	77	--	<1.0	.41	.05	.46
JUL 19...	10	13	35	0	29	180	44	--	<1.0	.19	.04	.23
SEP 03...	14	17	40	0	43	240	40	--	<1.0	.00	.02	.02
07...	13	15	42	0	36	210	36	--	<1.0	.09	.02	.11

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
OCT 18...	1.0	.09	0	0	0	0	0	0	20	0	4	4
NOV 23...	--	.00	1	1	0	0	0	0	<10	0	2	2
DEC 16...	1.4	.05	2	1	0	0	0	0	10	0	4	4
JAN 13...	.65	.09	4	0	0	0	1	0	<10	0	5	2
FEB 17...	1.4	.25	4	2	0	0	0	0	30	0	16	9
MAR 18...	1.9	.33	8	1	0	0	0	0	10	0	13	5
APR 25...	.99	.10	4	1	0	0	0	0	10	0	10	5
MAY 25...	1.2	.17	2	2	0	0	0	0	20	0	10	6
JUN 16...	2.5	.16	2	1	0	0	1	1	20	0	8	8
JUL 19...	.64	.14	2	2	0	0	0	0	20	0	14	14
SEP 03...	1.7	.03	1	0	10	0	10	2	10	0	6	2
07...	.90	.13	1	0	10	0	<10	0	10	0	3	2

DATE	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	SUS- PENDEO ZINC (ZN) (UG/L)
OCT 18...	0	1	0	.3	.2	3	2	0	0	20	10	10
NOV 23...	10	2	0	.0	.0	2	2	0	0	10	10	0
DEC 16...	30	4	0	.0	.0	2	0	0	0	30	10	20
JAN 13...	20	4	0	.0	.0	6	2	0	0	30	20	10
FEB 17...	280	18	0	.1	.0	14	4	0	0	40	10	30
MAR 18...	80	18	0	.0	.0	17	0	0	0	50	0	50
APR 25...	30	7	0	.2	.2	7	0	0	0	30	10	20
MAY 25...	20	12	0	.0	.0	10	4	0	0	40	10	30
JUN 16...	170	11	4	.0	.0	12	5	0	0	30	20	10
JUL 19...	30	10	4	.2	.0	13	0	0	0	20	10	10
SEP 03...	50	3	0	.0	.0	11	1	0	0	20	0	20
07...	40	3	0	.0	.0	6	2	1	1	10	10	0

MISSISSIPPI RIVER DELTA

201

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

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 18...	11	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV 23...	7.0	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
DEC 16...	11	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 13...	7.1	.00	7	0	.0	.00	.00	.0	.00	.00	.00	.00
FEB 17...	21	.00	1	2	.0	.00	.00	.0	.00	.00	.00	.01
MAR 18...	9.0	.00	0	1	.0	.00	.00	.0	.00	.00	.00	.02
APR 25...	13	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
MAY 25...	15	.00	2	1	.0	.00	.00	.0	.00	.00	.00	.00
JUN 16...	11	.00	0	1	.0	.00	.000	.0	.000	.000	.000	.00
JUL 19...	8.2	.00	0	1	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	7.4	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	4.6	.00	4	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 23...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 13...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 17...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 25...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 25...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JUN 16...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	0	.00	.00	.00	.00	8.21	.000	--	--	--	--
NOV 23...	.00	0	.00	.00	.00	.00	--	--	4.68	3.11	--	--
DEC 16...	.00	0	.00	.00	.00	.00	--	--	1.75	.234	--	--
JAN 13...	.00	0	.00	.00	.00	.00	--	--	1.97	.518	--	--
FEB 17...	.00	0	.00	.00	.00	.00	--	--	--	--	--	--
MAR 18...	.00	0	.00	.00	.00	.00	--	--	--	--	.124	.100
APR 25...	.00	0	.00	.00	.00	.00	--	--	--	--	.992	--
MAY 25...	.00	0	.00	.00	.01	.00	--	--	--	--	1.28	.174
JUN 16...	.00	.0	.00	.00	.13	.00	--	--	--	--	.363	.137
JUL 19...	.00	.0	.00	.00	.00	.00	--	--	--	--	2.09	.549
SEP 03...	.00	.0	.00	.00	.00	.00	--	--	--	--	3.05	.049
07...	.00	.0	.00	.00	.00	.00	--	--	--	--	3.56	.295

MISSISSIPPI RIVER DELTA

203

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 080802Q2, 7.7 mi (12.4 km) northeast of Grand Chenier.

DRAINAGE AREA.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1250	1490	7.9	20	55	9.4	14	1.4	250	B17	170	120
NOV 23...	1340	1450	7.6	--	50	10.8	17	1.4	B33	B10	160	110
DEC 16...	1345	397	7.5	100	--	11.2	16	3.0	B52	B6	53	14
JAN 13...	1145	254	6.9	130	60	--	13	--	B58	B13	41	11
FEB 17...	1330	170	6.9	220	85	10.2	52	1.1	B20	B5	28	10
MAR 18...	1220	252	6.9	200	75	9.0	55	.1	<5	<5	44	21
APR 25...	1415	149	7.4	280	80	--	44	--	--	--	44	12
MAY 25...	1130	489	7.3	120	80	7.7	35	3.2	B20	<5	58	35
JUN 16...	0940	1940	7.5	45	50	8.3	26	1.1	--	<5	170	140
JUL 19...	1000	844	7.5	110	80	8.4	20	2.2	B8	<5	100	68
SEP 03...	1035	456	7.6	100	55	7.9	37	1.6	B10	0	64	29
07...	1120	245	7.7	70	40	8.3	--	1.4	B10	0	47	0

DATE	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT 18...	19	30	61	0	100	420	--	115	<1.0	.00	.02	.02
NOV 23...	18	27	57	0	56	350	--	5	--	.26	.01	.27
DEC 16...	9.4	7.1	47	0	17	79	--	54	--	.29	.01	.30
JAN 13...	7.7	5.2	36	0	13	53	--	229	<1.0	.34	.00	.34
FEB 17...	6.2	3.1	22	0	9.1	31	--	102	<1.0	.38	.01	.39
MAR 18...	9.1	5.1	28	0	13	51	--	150	<1.0	.47	.01	.48
APR 25...	8.2	5.8	39	0	9.2	22	35	--	<1.0	.52	.11	.63
MAY 25...	7.2	9.8	28	0	22	120	75	--	<1.0	.36	.04	.40
JUN 16...	16	32	34	0	61	480	15	--	<1.0	.44	.02	.46
JUL 19...	14	16	40	0	39	240	15	--	<1.0	.39	.06	.45
SEP 03...	12	8.3	43	0	14	90	54	--	<1.0	.02	.02	.04
07...	11	4.7	59	0	6.5	38	23	--	<1.0	.13	.03	.16

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
OCT 18...	1.2	.11	3	1	0	0	0	0	20	0	5	5
NOV 23...	--	.08	2	0	0	0	0	0	10	0	3	2
DEC 16...	1.3	.20	5	2	0	0	1	0	10	0	5	5
JAN 13...	1.2	.23	6	1	0	0	0	0	<10	0	9	9
FEB 17...	1.5	.29	5	2	0	0	0	0	20	0	11	8
MAR 18...	1.9	.20	5	1	0	0	0	0	<10	0	8	8
APR 25...	.95	.95	6	1	0	0	0	0	<10	0	13	6
MAY 25...	1.3	.24	2	2	0	0	0	0	20	0	10	6
JUN 16...	1.7	.13	3	2	0	0	3	3	<10	0	7	7
JUL 19...	1.2	.12	2	0	0	0	0	0	20	0	7	7
SEP 03...	.72	.10	2	1	10	0	8	0	20	0	6	3
07...	.84	.46	3	1	10	0	<10	0	0	0	3	3

DATE	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 18...	30	4	0	.2	.2	5	4	0	0	--	30	30
NOV 23...	40	5	0	.1	.1	10	3	0	0	--	10	0
DEC 16...	50	5	0	.0	.0	3	3	1	1	.0	30	10
JAN 13...	260	5	2	.0	.0	8	8	0	0	2.0	10	10
FEB 17...	130	10	0	.0	.0	5	3	0	0	5.0	20	10
MAR 18...	140	6	0	.0	.0	8	0	0	0	2.0	40	0
APR 25...	70	17	0	.0	.0	11	0	0	0	3.0	30	10
MAY 25...	70	10	0	.0	.0	10	2	0	0	--	40	20
JUN 16...	80	4	4	.1	.1	11	5	0	0	--	20	10
JUL 19...	20	9	4	.4	.0	11	2	0	0	--	20	20
SEP 03...	40	3	0	.0	.0	4	0	1	1	--	10	0
07...	150	5	1	.0	.0	2	2	0	0	.0	10	10

MISSISSIPPI RIVER DELTA

205

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 18...	13	.00	2	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV 23...	4.1	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
DEC 16...	14	.00	2	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 13...	11	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.00
FEB 17...	11	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
MAR 18...	11	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.02
APR 25...	9.2	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
MAY 25...	12	.00	2	1	.0	.00	.00	.0	.00	.00	.00	.00
JUN 16...	9.2	.00	0	2	.0	.00	.000	.0	.000	.000	.000	.00
JUL 19...	11	.00	0	0	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	8.1	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	6.0	.00	4	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 23...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 13...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 17...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 25...	.01	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 25...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JUN 16...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
07...	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	0	.00	.00	.00	.00	5.17	.072	--	--	--	--
NOV 23...	.00	0	.00	.00	.00	.00	--	--	.95	.234	--	--
DEC 16...	.00	0	.00	.00	.00	.00	--	--	.41	.174	--	--
JAN 13...	.00	0	.00	.00	.02	.00	--	--	1.47	.525	--	--
FEB 17...	.00	0	.00	.00	.00	.00	--	--	--	--	.004	.000
MAR 18...	.00	0	.00	.00	.00	.00	--	--	--	--	.204	.069
APR 25...	.00	0	.00	.10	.07	.00	--	--	--	--	.014	.007
MAY 25...	.00	0	.00	.03	.00	.00	--	--	--	--	.815	.129
JUN 16...	.00	.0	.00	.03	.02	.00	--	--	--	--	.555	.089
JUL 19...	.00	.0	.00	.00	.00	.00	--	--	--	--	.440	.101
SEP 03...	.00	.0	.00	--	--	--	--	--	--	--	.764	.079
07...	.00	.0	.00	.00	.00	.00	--	--	--	--	2.30	.295

MERMENTAU RIVER BASIN

207

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 Chenier.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 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 5; minimum daily, 4.5°C Jan. 10.

CHLORIDE: Maximum daily, 5,200 mg/L Nov. 3; minimum daily, 8.1 mg/L May 6.

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

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

MERMENTAU RIVER BASIN

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	2300	2300	1500	920	350	190	540	530	1500	310	---
2	28	9200	2500	1600	950	370	150	660	920	900	290	2400
3	32	9800	3600	1700	990	460	150	1400	670	1000	320	2000
4	74	1900	4000	1600	960	440	180	400	630	800	340	2800
5	78	1600	3900	1200	800	440	190	390	580	720	300	2500
6	78	8800	1900	1200	750	440	200	2200	570	590	280	1500
7	1500	10000	1900	1300	610	480	200	3200	400	1400	280	1100
8	4400	11000	1900	1200	600	460	160	700	1800	1300	280	2000
9	7000	4300	1800	1100	610	1100	140	440	2000	480	310	3200
10	6400	2300	2000	1000	640	500	140	1200	2400	450	310	3600
11	5900	8200	2000	1100	480	450	160	1400	2100	480	290	580
12	6000	6300	2000	1100	430	680	170	1200	3400	640	310	1700
13	7800	2600	2000	860	430	450	180	1600	2800	620	1800	1000
14	9300	2500	1900	1200	380	470	180	610	2000	470	1500	2700
15	12000	1800	2000	950	370	450	190	700	4000	380	1700	4000
16	11000	1800	2100	600	250	1600	200	340	6400	340	1600	9700
17	4000	1600	2100	1200	550	600	200	330	2300	340	3100	4600
18	2600	2800	---	1000	650	1100	210	320	1400	320	4400	4400
19	1500	3400	---	980	330	1000	440	290	1300	320	4100	9800
20	1500	4200	---	900	400	580	550	300	1100	320	910	9500
21	1300	4800	2100	1000	470	420	1200	240	460	310	820	3000
22	1300	2700	2000	1000	460	530	800	240	540	300	2200	2300
23	4800	2600	2000	1000	380	490	460	320	1200	290	2100	2000
24	1200	2600	1800	1200	300	690	1200	330	3400	300	1500	2200
25	850	2400	1800	1200	320	1400	1600	360	3200	290	2600	2100
26	2700	3200	1800	1100	360	780	440	420	3200	310	2600	5500
27	2500	2400	1500	1200	370	460	660	530	4800	300	920	6200
28	2300	2000	1500	1100	340	410	700	460	1600	300	1700	2900
29	1800	2300	1600	1100	340	390	1700	460	1900	300	750	1400
30	1900	3000	1600	1100	---	400	1300	650	3000	290	610	---
31	1800	---	1600	900	---	390	---	900	---	300	1100	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	910	1900	190	50	25	370	150	14	42	180	350	110
2	1000	3800	190	39	78	44	81	12	68	180	220	140
3	1800	5200	---	51	70	52	91	13	600	180	240	90
4	1400	2100	---	38	---	53	82	9.7	1200	200	270	80
5	3000	920	---	45	---	27	59	10	1200	220	460	80
6	1200	3800	---	37	---	45	92	8.1	2600	290	1400	70
7	2400	4000	260	---	62	45	110	12	2800	490	1600	60
8	560	2000	200	50	78	42	100	12	---	350	---	70
9	500	430	100	---	43	46	82	11	2200	---	2000	70
10	460	450	130	42	12	44	89	13	1300	430	2500	65
11	510	440	190	---	21	55	83	12	1800	1200	3000	65
12	1900	480	160	48	29	60	200	17	2600	800	2900	71
13	3800	420	65	29	31	70	140	21	980	1100	1800	77
14	660	420	76	66	25	66	260	16	580	1600	2200	82
15	690	400	80	30	25	70	630	15	780	1300	350	70
16	580	420	110	25	25	43	1300	16	450	1500	440	93
17	520	480	100	25	36	44	1100	17	290	640	300	74
18	450	430	60	24	34	56	2000	19	260	1900	270	86
19	2300	490	82	---	36	58	2900	22	190	440	260	76
20	1200	510	78	28	86	50	2300	29	100	920	220	35
21	770	470	42	---	66	58	700	27	110	600	230	45
22	580	410	---	24	35	55	170	25	160	500	220	35
23	2600	340	---	---	45	56	77	29	200	460	220	55
24	3100	360	---	28	36	70	62	28	120	400	220	60
25	2900	360	---	---	28	50	37	27	130	370	220	45
26	790	360	---	78	30	84	38	33	140	380	160	55
27	740	370	---	---	46	160	24	27	140	1400	140	55
28	520	330	---	32	51	1500	19	32	140	3700	90	60
29	470	300	---	41	---	1000	14	39	150	1800	60	40
30	4000	300	---	29	---	890	12	37	160	1600	60	40
31	770	---	---	25	---	450	---	38	---	1500	90	---

MERMENTAU RIVER BASIN

209

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 Chenier.

DRAINAGE AREA.--Indeterminate.

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 12,000 mg/L Oct. 15, 24, Nov. 1, 3, 1975; minimum daily, 8.0 mg/L Jan. 17, 21, 23, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.5°C July 5, Aug. 9; minimum daily, 4.5°C Jan. 10.

CHLORIDE: Maximum daily, 9,300 mg/L Oct. 28; minimum daily, 8.9 mg/L May 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.5	13.5	8.0	7.5	6.0	15.0	---	20.0	28.5	30.0	30.0	26.5
2	24.5	13.5	9.5	5.5	6.0	15.5	23.0	23.0	28.0	30.0	29.5	26.5
3	26.0	14.0	---	6.5	8.5	15.5	20.0	21.0	28.5	30.0	30.0	27.5
4	24.5	14.5	---	7.0	---	---	23.0	24.0	29.0	30.0	29.5	27.0
5	25.5	14.0	---	9.0	9.0	12.0	---	23.0	29.5	30.5	30.0	27.0
6	23.5	14.0	---	9.5	---	12.5	18.0	24.0	30.0	29.0	30.0	25.5
7	22.5	14.0	11.0	---	9.0	12.0	18.5	25.0	---	29.0	30.0	27.0
8	22.5	14.0	9.0	9.0	---	10.5	19.5	26.5	25.0	28.5	---	27.0
9	20.0	14.5	9.5	---	8.5	14.5	22.0	26.0	26.5	---	30.5	27.0
10	19.0	16.0	11.5	4.5	10.0	14.5	23.5	24.5	27.0	28.0	30.0	26.5
11	20.0	17.0	13.0	---	11.5	---	22.0	22.0	28.5	28.0	29.5	27.5
12	20.0	14.0	14.5	5.5	13.0	17.5	22.0	24.5	28.0	27.0	28.0	28.5
13	22.0	12.0	13.0	6.5	10.5	16.5	---	24.5	28.0	29.0	29.0	28.0
14	20.0	11.0	10.5	9.5	12.0	17.5	---	24.5	24.5	28.5	29.0	26.5
15	21.0	11.0	10.0	8.0	11.0	20.5	24.0	24.5	24.5	29.0	29.0	26.5
16	18.0	10.0	10.0	8.5	10.5	20.0	23.0	25.0	26.0	28.0	28.0	26.0
17	18.0	10.5	11.0	5.0	11.5	20.5	---	24.5	25.0	29.0	28.5	26.5
18	18.0	10.5	12.0	5.0	12.5	20.0	25.0	25.0	27.0	29.0	29.0	25.0
19	18.5	11.0	14.0	---	14.0	21.0	20.5	25.0	27.5	29.5	28.0	27.5
20	16.5	12.5	13.5	5.0	12.5	19.0	24.5	25.5	28.0	29.0	28.0	24.5
21	13.5	12.0	9.0	---	13.5	20.5	22.0	25.0	28.0	29.5	26.5	27.5
22	16.0	11.5	9.0	5.0	14.5	16.5	21.5	25.0	27.0	28.5	27.5	28.5
23	16.5	11.0	9.0	---	16.0	15.0	21.5	25.0	29.0	29.0	26.0	29.0
24	16.5	11.0	---	7.0	15.0	10.5	21.5	25.5	28.0	28.5	27.0	28.5
25	18.5	12.5	12.5	---	15.5	15.5	21.0	24.5	29.0	29.5	27.0	28.5
26	17.0	14.0	---	10.5	17.5	17.0	20.5	26.0	28.5	29.0	27.5	28.5
27	17.0	13.5	10.6	---	15.0	19.5	21.0	26.0	29.5	30.0	28.0	29.0
28	16.5	13.5	---	11.5	14.0	20.0	21.0	26.5	28.5	29.0	27.0	28.5
29	16.0	7.0	---	6.0	---	21.5	25.0	24.5	29.5	30.0	27.0	28.5
30	15.0	8.0	---	7.0	---	21.5	22.0	27.5	30.0	30.0	26.5	28.0
31	13.5	---	---	5.5	---	19.5	---	28.0	---	30.0	25.5	---

MERMENTAU RIVER BASIN

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	12000	7900	1500	940	360	200	4300	4600	6500	280	8000
2	67	2000	6400	1600	990	360	170	4000	3100	6600	300	7800
3	40	12000	7100	1700	960	470	150	4000	5000	5700	300	9000
4	90	11000	7500	2200	1100	420	190	3700	5900	5600	320	8300
5	140	9800	7400	1200	660	400	200	3400	7600	4600	300	8300
6	100	9000	2100	1200	750	2000	200	3400	7400	5900	310	8800
7	4200	10000	2800	1200	600	4200	210	3400	6800	5800	290	8900
8	6200	11000	1900	1200	600	2900	170	5600	7300	5500	280	8500
9	7200	8000	1900	1100	600	2500	140	5800	8600	4900	340	8400
10	6600	10000	2000	1000	700	650	140	5200	8200	5200	310	8900
11	6000	10000	2000	1200	500	1400	170	5600	8000	4400	330	9100
12	6500	9600	2000	1100	400	750	170	5400	7800	3200	290	8400
13	8300	2800	2000	800	480	3400	180	4700	8000	2600	1800	8400
14	10000	2900	1900	1200	420	4600	190	4800	7900	1200	1500	8500
15	12000	2600	2000	1000	400	4200	200	2700	8000	400	1700	9500
16	---	3000	2100	1100	220	4300	200	380	8000	350	1600	10000
17	4500	2800	2200	1500	580	4300	210	310	8000	320	3100	8400
18	3900	4500	---	1000	700	3900	210	320	8000	320	4400	8500
19	1600	5200	---	1700	300	3700	550	300	8200	330	4100	9800
20	1600	6800	---	1300	390	5600	1400	290	8000	330	5400	9500
21	1400	5800	2100	1700	460	4900	1300	230	8200	320	7600	9900
22	1300	6800	2000	1400	450	5400	2700	220	7600	320	6200	9800
23	5000	6900	2000	1500	370	5600	1700	830	7100	310	7500	9700
24	12000	6300	2000	1300	310	5400	1900	900	6800	280	7500	10000
25	11000	6500	1800	1300	330	5000	2600	800	6700	300	6600	9900
26	3000	5100	2200	1500	350	750	3200	310	7600	290	6800	9400
27	---	6100	1500	1300	370	390	3300	400	6300	280	6300	9400
28	2700	6000	1500	1300	340	400	2800	1000	6900	290	6500	9300
29	1800	5800	1600	1100	370	390	3500	740	7200	290	7300	9200
30	2200	5600	1600	1100	---	390	4300	960	6900	280	7200	8700
31	9200	---	1600	900	---	390	---	1100	---	290	8200	---

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9000	2400	190	50	31	420	140	17	70	170	390	120
2	8100	3800	190	63	70	400	81	13	71	190	2500	1200
3	7800	5200	---	49	70	72	91	15	1200	190	2900	85
4	7700	2100	---	70	---	280	84	9.9	2800	530	2800	85
5	7000	1400	---	40	61	30	64	12	4200	1200	2500	75
6	7300	3800	---	41	---	60	93	8.9	4000	2600	3100	70
7	7800	5200	290	---	78	55	100	40	3800	2400	4100	65
8	8300	4800	210	30	---	45	150	16	6700	2100	---	65
9	7400	3900	140	---	39	48	84	18	5200	---	6200	65
10	6900	3400	130	40	12	97	78	18	6600	600	6600	65
11	6700	3800	220	---	23	68	86	19	7300	1800	6800	70
12	6600	7900	140	30	32	---	2400	18	6900	2100	7000	71
13	6600	5700	140	30	26	70	3000	21	7600	2300	5700	91
14	6300	4000	65	62	23	56	5900	27	6700	2900	5000	89
15	6700	3500	74	46	80	60	4400	16	1000	3400	570	110
16	7700	4000	110	26	47	47	5700	16	460	3700	480	110
17	8000	4200	90	25	41	48	5500	18	280	4200	340	90
18	6900	4400	56	22	32	50	5500	22	260	5400	310	95
19	7700	5000	66	---	33	56	5100	22	180	6000	260	85
20	8000	5100	73	25	92	53	5400	34	96	5400	220	40
21	7600	4900	54	---	63	57	710	29	110	4900	220	40
22	7500	4800	45	25	38	48	160	26	160	4000	220	45
23	7000	530	41	---	44	50	84	24	200	3700	210	55
24	2900	450	---	50	38	73	62	28	130	3400	240	50
25	5900	420	86	---	29	1900	33	29	120	3800	210	50
26	8900	390	---	100	39	1600	47	30	120	3400	170	50
27	8600	390	42	---	380	1600	26	26	140	4400	140	60
28	9300	370	---	58	650	3300	18	32	140	3900	90	55
29	9000	310	54	52	---	1300	27	45	160	4100	60	50
30	6700	280	40	49	---	3300	17	36	160	2900	60	50
31	2300	---	38	130	---	4600	---	41	---	3100	100	---

MERMENTAU RIVER BASIN

211

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.--

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, 31.5°C July 2, 3; minimum daily, 6.0°C Feb. 16.

CHLORIDE: Maximum daily, 260 mg/L Oct. 21; minimum daily, 20 mg/L May 2, 3, 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	15.5	11.0	10.0	11.5	16.5	21.5	24.0	29.0	31.0	30.0	30.0
2	23.5	16.0	9.0	7.0	11.5	17.0	21.5	22.0	30.0	31.5	30.0	30.5
3	25.5	18.0	9.0	7.0	11.5	15.5	22.5	25.0	30.0	31.5	30.0	31.0
4	25.5	20.5	12.0	8.5	11.0	14.0	22.0	25.5	28.5	31.0	31.0	31.0
5	25.5	17.0	12.0	8.0	11.5	14.0	19.5	26.5	28.0	31.0	29.0	30.5
6	23.0	17.0	11.0	11.0	11.0	14.5	19.5	26.5	30.0	29.5	29.0	30.0
7	21.0	16.0	13.0	11.0	15.0	14.5	21.0	26.0	31.0	30.5	29.0	30.5
8	21.5	15.0	10.0	11.5	13.0	15.0	21.5	27.5	27.0	29.5	28.5	27.0
9	21.0	15.0	10.0	10.0	13.5	19.5	---	27.0	28.5	29.5	29.5	27.5
10	23.5	15.0	12.0	9.5	13.5	19.5	22.5	26.0	28.5	28.0	28.5	27.5
11	22.0	15.0	13.0	10.0	13.5	18.0	23.0	25.5	28.0	28.0	28.5	26.0
12	20.0	12.0	12.0	11.0	17.5	18.0	23.5	26.0	29.0	29.0	29.0	26.5
13	22.0	12.0	---	12.0	17.5	17.5	23.5	25.5	29.0	29.5	29.0	26.0
14	22.5	12.0	12.0	9.0	16.0	20.5	22.5	25.5	28.5	30.0	28.5	26.0
15	23.0	12.0	12.0	9.0	7.5	20.5	21.0	25.5	30.5	28.5	29.0	25.0
16	23.0	12.0	13.0	8.5	6.0	21.0	23.5	26.5	30.0	29.0	26.5	27.0
17	20.0	12.5	11.0	9.0	6.5	21.0	24.0	26.0	30.0	29.5	27.0	27.0
18	19.5	14.0	12.0	9.0	15.5	23.0	24.0	26.5	30.5	30.0	27.0	27.0
19	19.5	15.0	13.5	7.0	14.5	22.0	22.0	26.5	30.5	30.0	26.0	26.5
20	18.0	14.5	14.0	8.5	15.0	17.5	22.0	25.5	30.5	29.5	26.5	26.5
21	19.0	14.5	10.0	9.0	16.5	19.5	22.0	---	30.0	29.5	26.5	28.0
22	19.0	14.0	10.0	9.0	17.0	19.5	21.5	26.5	30.5	29.5	26.5	28.0
23	21.5	14.0	10.0	9.0	17.0	17.5	21.0	26.0	30.0	30.0	26.0	28.5
24	19.5	14.5	10.0	9.0	16.0	17.0	21.0	26.5	31.0	29.5	26.0	28.5
25	20.0	14.5	11.0	---	19.0	19.0	21.5	26.5	30.0	30.0	26.0	28.5
26	18.0	---	11.0	---	18.0	20.5	21.5	27.0	30.0	29.0	26.5	26.0
27	18.0	---	12.0	---	17.0	20.5	21.0	28.0	31.5	30.5	25.5	24.5
28	15.0	10.0	13.0	---	17.0	22.0	23.0	28.0	31.0	30.5	25.5	---
29	15.0	10.0	13.0	---	---	20.5	24.0	28.0	31.0	30.5	25.0	---
30	14.5	10.0	12.0	---	---	20.0	24.0	28.0	31.0	30.0	25.0	---
31	16.0	---	12.0	---	---	21.0	---	29.0	---	31.0	27.0	---

MERMENTAU RIVER BASIN

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	190	80	110	72	55	61	27	42	100	64	48
2	120	190	81	120	68	45	50	20	46	98	75	50
3	110	170	76	120	65	44	99	20	46	98	65	51
4	110	100	60	120	66	49	46	20	46	94	85	45
5	110	140	69	100	69	44	62	22	43	99	59	48
6	170	120	60	110	66	46	67	22	50	97	62	48
7	160	100	78	110	48	68	69	29	56	98	62	47
8	150	110	100	110	48	72	69	29	44	97	60	59
9	170	110	78	85	44	92	---	34	200	96	60	58
10	110	120	82	82	44	92	100	44	200	96	60	56
11	110	130	61	81	50	78	76	42	190	98	60	58
12	120	120	60	80	60	72	61	40	240	100	72	57
13	100	120	---	82	60	60	63	33	240	97	59	57
14	110	130	64	80	69	55	65	32	240	130	60	59
15	100	130	62	65	52	55	65	50	190	100	75	58
16	120	140	50	62	54	60	69	42	180	110	96	45
17	110	140	55	45	51	88	68	46	180	110	96	49
18	100	120	48	42	60	58	69	41	190	100	100	47
19	110	120	46	31	60	55	48	40	180	56	99	49
20	240	130	44	38	65	80	48	41	190	49	100	46
21	260	120	50	40	76	110	26	51	110	58	98	48
22	160	80	51	54	74	61	28	44	100	53	97	50
23	160	80	100	56	74	64	26	44	100	55	99	46
24	110	80	130	58	81	64	22	40	92	54	96	47
25	250	86	79	---	80	62	28	40	91	54	38	47
26	140	84	75	---	65	64	26	45	89	55	37	46
27	130	90	79	---	74	61	22	40	98	57	41	52
28	120	160	110	---	88	58	26	42	98	68	38	---
29	120	92	81	---	---	76	27	42	100	60	37	---
30	140	160	64	---	---	76	26	42	99	61	40	---
31	190	---	54	---	---	85	---	42	---	71	42	---

CALCASIEU RIVER BASIN

213

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 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL./ 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
OCT												
18...	1230	40200	8.2	5	10	8.7	1.9	200	80	5400	5300	340
NOV												
23...	1405	33900	7.9	--	30	12.8	3.6	825	<5	4300	4200	270
DEC												
16...	1400	23400	7.5	10	--	10.7	3.7	880	19	2800	2700	190
JAN												
13...	1210	30900	7.1	20	20	--	--	833	<5	3800	3700	250
FEB												
17...	1400	26400	7.8	25	15	11.2	2.9	--	3	2400	2300	180
MAR												
18...	1230	21600	7.5	20	8	7.6	.9	840	5	2600	2500	170
APR												
25...	1235	16000	7.6	30	25	--	--	--	--	1900	1800	120
MAY												
25...	1110	16600	7.9	20	20	7.5	1.8	850	84	2000	1900	120
JUN												
16...	0910	34700	7.9	5	20	7.3	2.2	--	13	4100	4000	180
JUL												
19...	0940	32300	8.2	10	15	6.6	3.3	<5	0	3700	3600	180
SEP												
03...	1015	25900	7.8	10	4	--	3.1	816	0	2800	2700	200
07...	1135	28300	8.2	5	5	--	3.8	816	0	3100	3100	220

DATE	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT												
18...	1100	150	0	123	1.5	3600	15000	--	60	<1.0	.02	.01
NOV												
23...	880	124	0	102	2.5	1700	12000	--	8	--	.01	.01
DEC												
16...	570	92	0	75	4.7	1100	8300	--	24	--	.09	.01
JAN												
13...	770	99	0	81	13	610	12000	--	86	<1.0	.09	.01
FEB												
17...	470	91	0	75	2.3	1300	8900	--	104	<1.0	.11	.01
MAR												
18...	530	76	0	62	3.8	980	7200	--	42	<1.0	.07	.01
APR												
25...	380	67	0	55	2.7	750	5700	27	--	<1.0	.19	.02
MAY												
25...	410	79	0	65	1.6	790	5600	24	--	<1.0	.00	.01
JUN												
16...	880	114	0	94	2.3	1600	13000	75	--	<1.0	.10	.01
JUL												
19...	780	136	0	110	1.4	1600	12000	38	--	<1.0	.01	.03
SEP												
03...	560	118	0	97	3.0	1200	8700	20	--	<1.0	.00	.06
07...	630	110	0	90	1.1	1300	9900	13	--	<1.0	.00	.02

CALCASIEU RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT 18...	.03	.48	5.5	1	1	10	10	0	0	30	0	2
NOV 23...	.02	--	.05	1	0	0	0	0	0	20	0	4
DEC 16...	.10	1.1	.08	2	0	10	0	1	0	20	0	4
JAN 13...	.10	.56	.07	1	1	0	0	1	0	20	0	3
FEB 17...	.12	.57	.07	2	1	0	0	0	0	20	0	4
MAR 18...	.08	.65	.09	1	0	0	0	0	0	10	0	3
APR 25...	.21	.85	.07	2	2	0	0	0	0	<10	0	6
MAY 25...	.01	.60	.09	2	2	0	0	0	0	20	0	5
JUN 16...	.11	.84	.11	4	4	0	0	4	4	30	0	5
JUL 19...	.04	.51	.08	1	1	0	0	3	0	20	0	5
SEP 03...	.06	.68	.04	1	1	10	0	20	0	10	0	6
07...	.02	.80	.06	1	0	20	20	20	1	10	0	20

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 18...	2	50	0	0	.2	.2	3	2	0	0	40	40
NOV 23...	3	40	5	2	.0	.0	--	15	0	0	20	20
DEC 16...	4	30	3	0	.0	.0	2	2	0	0	30	20
JAN 13...	3	20	1	1	.0	.0	3	3	0	0	10	10
FEB 17...	4	40	2	0	.0	.0	5	0	0	0	20	20
MAR 18...	3	30	0	0	.0	.0	6	0	0	0	70	30
APR 25...	5	30	3	0	.2	.2	3	0	0	0	20	20
MAY 25...	5	20	4	0	.0	.0	8	4	0	0	20	20
JUN 16...	5	40	2	2	.1	.1	6	3	0	0	30	20
JUL 19...	5	20	8	6	.1	.0	5	0	0	0	30	30
SEP 03...	3	20	1	0	.0	.0	6	2	0	0	20	20
07...	2	20	100	0	.0	.0	100	2	0	0	20	20

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 18...	10	.00	6	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV 23...	3.9	.00	2	1	.0	.00	.00	.0	.00	.00	.00	.00
DEC 16...	9.4	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 13...	6.8	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.00
FEB 17...	7.5	.00	1	--	.0	.00	.00	.0	.00	.00	.00	.00
MAR 18...	11	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.02
APR 25...	5.8	.00	0	1	.0	.00	.00	.0	.00	.00	.00	.00
MAY 25...	7.2	.00	2	1	.0	.00	.00	.0	.00	.00	.00	.00
JUN 16...	8.2	.00	0	2	.0	.00	.000	.0	.000	.000	.000	.00
JUL 19...	5.3	.00	0	--	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	5.2	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	7.3	.00	4	0	.0	.00	.000	.0	.000	.000	.000	.01

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 23...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 13...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 17...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR 18...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 25...	.01	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 25...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JUN 16...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.001	.00	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.01	.00	.00

CALCASIEU RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	0	.00	--	--	--	4.11	.532	--	--	--	--
NOV 23...	.00	0	.00	.00	.00	.00	--	--	1.54	.759	--	--
DEC 16...	.00	0	.00	.00	.00	.00	--	--	.91	.073	--	--
JAN 13...	.00	0	.00	.00	.00	.00	--	--	.41	.351	--	--
FEB 17...	.00	0	.00	.00	.00	.00	--	--	--	--	4.24	.292
MAR 18...	.00	0	.00	.02	.02	.00	--	--	--	--	.404	.053
APR 25...	.00	0	.00	.03	.02	.00	--	--	--	--	.703	.101
MAY 25...	.00	0	.00	.00	.00	.00	--	--	--	--	.683	.110
JUN 16...	.00	.0	.00	.00	.01	.00	--	--	--	--	1.09	.047
JUL 19...	.00	.0	.00	.00	.00	.00	--	--	--	--	.743	.144
SEP 03...	.00	.0	.00	.02	.01	.00	--	--	--	--	1.55	.108
07...	.00	.0	.00	.02	.01	.01	--	--	--	--	8.92	.717

MISSISSIPPI RIVER DELTA

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM 7UM-MF (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)
NOV 10...	1400	559	6.8	15.5	--	--	6.8	5.5	<5	160	--	120
JAN 17...	1415	245	7.4	9.0	90	80	5.2	4.2	--	4600	--	83
APR 29...	1345	349	7.8	24.0	25	60	6.9	4.0	3600	--	80	110
JUL 22...	1415	576	7.1	32.0	40	40	8.2	--	8750	--	855	130

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
NOV 10...	25	32	10	56	48	2.2	7.8	117	0	96	30	14
JAN 17...	12	22	6.7	12	23	.6	4.1	87	0	71	5.5	13
APR 29...	19	30	8.9	25	32	1.0	3.8	111	0	91	2.8	24
JUL 22...	27	35	10	65	52	2.5	3.7	124	0	100	16	28

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV 10...	100	.3	12	309	290	.42	.13	1.4	1.5	6.8	.53
JAN 17...	22	.3	9.4	--	132	.18	.11	--	--	--	.50
APR 29...	38	.1	3.8	208	188	.28	.12	--	--	--	.16
JUL 22...	97	.1	6.9	327	307	.44	.05	--	--	--	.21

DATE	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
NOV 10...	3	4	1	<10	50	0	7	40	100	4200	2	450

DATE	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLYCHLORINATED NAPHTHALENES (UG/L)
NOV 10...	420	200	.3	.0	20	100	16	.00	1	.0	0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	PCN TOTAL IN BOTTOM MTRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
NOV 10...	.0	.00	.0	.0	58	.00	11	.00	.0	.00	.0	.0

DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)
NOV 10...	.00	1.2	.00	.0	.0	.00	.0	.00	.0	.00	.0	.0

DATE	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
NOV 10...	.0	.0	.00	.0	.0	0	0	.0	.00	.00	.00

DREDGING OPERATIONS STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers, before dredging operations in several navigable waterways.

293418090430300 HOUMA NAVIGATION CANAL AT MILE 36.6, AT HOUMA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1500	476	7.4	30	35	130000	130	39	34	12	54	46
29...	1520	447	7.4	30	45	160000	130	32	34	10	37	38
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
JUN 29...	2.0	4.3	116	0	95	29	84	70	65	94200	10	<1.0
29...	1.4	3.7	115	0	94	33	58	94	94	128000	12	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJELDAHL NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN IN BOTTOM MAT. (MG/KG)
JUN 29...	.15	.01	.16	.16	.07	18	.09	4.0	1.0	4.2	1.1	9000
29...	.22	.01	.23	.19	.19	20	.24	3.2	1.2	3.4	1.4	9300
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
JUN 29...	4.4	19	3.2	.07	4	3	11	0	0	0	0	0
29...	3.6	16	.15	.06	5	4	17	0	0	0	0	0
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
JUN 29...	.44	10	3	20	0	7	7	10	10	2	0	10
29...	.38	<10	0	10	0	5	5	10	10	2	0	20
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
JUN 29...	60	10	300	.0	.0	.1	8	4	4	<10	0	0
29...	100	0	230	.0	.0	.3	10	7	3	<10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293418090430300 HOUMA NAVIGATION CANAL AT MILE 36.6, AT HOUMA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MA- TERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUN 29...	0	0	.0	30	0	30	50	6.0	.00	0	0	2
29...	0	0	3.0	30	10	20	30	6.9	.00	0	0	2

DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 29...	--	.0	86	.00	.000	.0	.0	6	.000	3.4	.000	.0
29...	.0	.0	65	.00	.000	.0	.0	6	.000	.0	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 29...	.000	.0	.00	.0	.000	.3	.000	.000	.0	.00	.0	.000
29...	.000	.0	.00	.0	.000	.4	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN 29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.0	.00	.00	.0	.0	0	.00	.0	.18	.00	.00
29...	.0	.00	.00	.0	.0	0	.00	.0	.02	.00	.16

292500090433200 HOUMA NAVIGATION CANAL AT MILE 25.0, NEAR BOUDREAUX, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1100	2320	7.3	30	50	60000	300	200	44	45	360	71
29...	1125	1580	7.4	30	65	60000	220	130	38	31	240	69

DREDGING OPERATIONS STUDY--Continued

292500090433200 HOUMA NAVIGATION CANAL AT MILE 25.0, NEAR BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
JUN												
29...	9.1	16	118	0	97	90	630	62	61	77700	9	<1.0
29...	7.0	11	116	0	95	66	400	129	133	67400	2	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
JUN												
29...	.24	.01	.25	.12	.12	13	.15	1.6	1.2	1.7	1.3	7500
29...	.25	.02	.27	.09	.20	13	.26	--	1.2	1.6	1.4	4100

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
JUN												
29...	2.0	8.6	.14	.04	3	2	9	0	0	0	0	0
29...	1.9	8.3	.16	.03	4	3	14	0	0	0	0	0

DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
JUN												
29...	.34	<10	1	20	0	5	5	10	10	2	0	<10
29...	.25	10	1	20	0	7	4	<10	20	6	0	<10

DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)
JUN												
29...	100	30	340	.0	.0	.0	9	4	5	<10	0	0
29...	140	20	300	.0	.0	.0	14	11	3	<10	0	0

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUN												
29...	0	0	--	30	30	0	30	6.8	.00	0	0	1
29...	0	0	--	30	0	30	40	7.1	.00	0	0	1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292500090433200 HOUMA NAVIGATION CANAL AT MILE 25.0, NEAR BOUDREAUX, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
JUN 29...	--	.0	570	.00	.000	.3	.0	200	.000	.0	.000	.0
29...	.0	.0	0	.00	.000	.0	.0	0	.000	.0	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
JUN 29...	.000	.0	.00	.0	.000	16	.000	.000	.0	.00	.0	.000
29...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)
JUN 29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.0	.00	.00	.0	.0	0	.00	.0	.00	.00	.16
29...	.0	.00	.00	.0	.0	0	.00	.0	.00	.00	.17

291725090423000 HOUMA NAVIGATION CANAL AT MILE 15.0, NEAR COCODRIE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1210	35000	7.6	30	15	47000	4600	4500	320	920	7000	75
29...	1240	34900	7.6	30	15	47000	4500	4400	310	910	7200	76

DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
JUN 29...	45	320	162	0	130	1800	13000	47	50	54900	18	<1.0
29...	47	310	165	0	140	1700	13000	52	52	67400	7	<1.0

DREDGING OPERATIONS STUDY--Continued

291725090423000 HOUMA NAVIGATION CANAL AT MILE 15.0, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
JUN												
29...	.00	.01	.01	.17	.11	6.9	.14	1.5	1.4	1.7	1.5	2300
29...	.00	.01	.01	.14	.14	5.7	.18	1.4	1.2	1.5	1.3	4400
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
JUN												
29...	1.7	7.6	.18	.05	4	2	11	0	0	0	0	0
29...	1.5	6.7	.18	.06	2	2	5	0	0	0	0	0
DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
JUN												
29...	.19	10	1	<10	0	6	6	10	20	0	0	20
29...	.26	50	11	10	0	4	3	<10	20	3	0	10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)
JUN												
29...	180	30	260	.0	.0	.1	10	4	6	<10	0	0
29...	190	30	300	.0	.0	.1	30	17	13	<10	0	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUN												
29...	0	0	--	10	10	0	20	6.7	.00	0	0	2
29...	0	0	--	50	10	40	20	6.5	.00	0	0	2
DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN												
29...	.0	.0	0	.00	.000	.0	.0	0	.000	.0	.000	.0
29...	.0	.0	0	.00	.000	.0	.0	0	.000	.0	.000	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291725090423000 HOUMA NAVIGATION CANAL AT MILE 15.0, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN												
29...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
29...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN											
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN											
29...	.0	.00	.00	.0	.0	0	.00	.0	.00	.00	.03
29...	.0	.00	.00	.0	.0	0	.00	.0	.00	.00	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293008089070700 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE 0.0 (BRETON SOUND), NEAR HOPEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1230	33700	8.2	5	3	18000	3900	3800	310	760	7500	79
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	52	320	126	0	103	1600	13000	16	19	28000	1	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
APR 07...	.08	.00	.08	.15	.05	23	.06	.50	.38	.65	.22	.43
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
APR 07...	2200	.73	3.2	.06	.01	1	0	1	6	0	0	0
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)
APR 07...	<10	0	0	.0	.08	20	20	0	20	0	2	0
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
APR 07...	2	<10	20	0	0	0	<10	30	10	20	130	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293008089070700 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE 0.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT- TOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOT- TOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
APR 07...	.0	.0	.0	0	0	0	<10	0	0	0	0	30
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)
APR 07...	20	30	2.0	.00	0	0	2	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)
APR 07...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.00	.0
DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
APR 07...	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000
DATE	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	
APR 07...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	
DATE	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
APR 07...	.0	.00	.0	0	.00	.0	.00	.00	.00	.405	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292943089073500 MISSISSIPPI RIVER GULF OUTLET AT MILE 0.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 85865)

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
DATE	TIME		(UNITS)									
APR 07...	1245	34200	8.2	5	4	35000	4400	4300	320	870	7500	77

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292943089073500 MISSISSIPPI RIVER GULF OUTLET AT MILE 0.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 85865)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
APR 07...	.0	.0	0	0	<10	0	0	0	20	20	60	1.6
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)
APR 07...	.00	0	0	2	.0	.0	0	.00	.0	.000	.0	.0
DATE	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDU IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
APR 07...	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.000
DATE	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)
APR 07...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0
DATE	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2+4-D (UG/L)	TOTAL 2+4+5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
APR 07...	.00	.0	.0	.00	.0	0	.0	.00	.00	.00	.000	.000

292913089075800 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE 0.0 (BRETON SOUND), NEAR HOPEDALE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1300	35000	8.2	5	3	28000	4600	4500	350	910	7500	76

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292913089075800 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE 0.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	48	320	126	0	103	1700	13000	10	14	34900	0	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
APR 07...	.05	.00	.05	.08	.07	14	.09	.39	.31	.47	.09	.38
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
APR 07...	2300	.52	2.3	.03	.01	0	0	0	7	0	0	0
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)
APR 07...	<10	0	0	0	.31	20	20	0	20	0	3	1
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
APR 07...	2	10	20	0	0	0	<10	30	10	20	170	.0
DATE	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
APR 07...	.0	.0	.0	0	0	<10	0	0	0	40	30	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292913089075800 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE 0.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)
APR 07...	1.8	.00	0	2	2	.0	.0	0	.00	.0	.000	.0
DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDU (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)
APR 07...	.0	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000
DATE	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)
APR 07...	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	
APR 07...	.0	.00	.0	.0	.00	.0	0	.0	.00	.00	.00	

292803089030800 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1210	37700	8.0	5	2	2700	4700	4600	350	920	9000	79
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	57	380	120	0	98	2000	14000	11	13	11300	0	<1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292803089030800 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
APR 07...	.06	.00	.06	.14	.14	8.4	.18	.50	.64	360	.11	.01
DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)
APR 07...	0	0	4	0	0	<10	0	0	.05	30	0	10
DATE	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
APR 07...	0	4	4	<10	20	0	0	<10	40	0	40	80
DATE	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
APR 07...	.0	.0	.0	.0	0	0	0	<10	0	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
APR 07...	30	20	10	20	2.4	.00	0	1	0	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
APR 07...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292803089030800 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
APR 07...	.000	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
APR 07...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 07...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00	.045	.000

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 85880)

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COU IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA*MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1200	37600	8.0	5	3	28000	4900	4800	340	990	8500	78

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	53	350	120	0	98	1900	15000	17	16	46300	2	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
APR 07...	.06	.00	.06	.06	58	.08	.24	.30	3600	.25	.02	1

DREDGING OPERATIONS STUDY--Continued

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 85880)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CH) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)
APR 07...	0	8	0	0	0	<10	0	0	0	.13	30	1
DATE	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)
APR 07...	20	0	2	2	10	30	0	0	<10	30	30	240
DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)
APR 07...	.0	.0	.0	.0	0	0	0	<10	0	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
APR 07...	20	0	20	30	2.4	.00	0	0	1	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
APR 07...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)
APR 07...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA (CE 85880)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
APR 07...	.0	.0000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2*4-D (UG/L)	TOTAL 2*4*5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 07...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00	.273	.000

292708089035400 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1145	37700	8.0	5	2	2400	4500	4400	340	880	8500	79

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	55	350	120	0	98	2000	14000	15	15	9200	0	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
APR 07...	.02	.00	.02	.11	.11	7.8	.14	.36	.36	.47	.00	.47

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)
APR 07...	380	.49	2.2	.04	.01	0	0	0	2	0	0	<10

DREDGING OPERATIONS STUDY--Continued

292708089035400 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
APR 07...	0	0	.12	20	1	10	0	2	2	<10	10	0
DATE	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
APR 07...	0	<10	30	30	50	.0	.0	.0	0	0	<10	0
DATE	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
APR 07...	0	20	20	20	2.7	.00	0	0	2	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
APR 07...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)
APR 07...	.000	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS DRY SOLIDS (UG/KG)
APR 07...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON (UG/L)	CHLOR-B PHYTO-PLANKTON (UG/L)
APR 07...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00	.045	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290600088590700 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE -9.38 (BRETON SOUND), NEAR HOPEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1045	39100	8.0	5	2	4200	5500	5400	370	1100	9000	77
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	53	370	123	0	100	1800	15000	9	10	16800	0	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
APR 07...	.02	.00	.02	.10	.10	9.3	.13	.26	.20	.36	.06	.30
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
APR 07...	760	.38	1.7	.03	.02	1	1	0	4	0	0	0
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)
APR 07...	<10	0	0	0	.01	30	30	0	20	0	3	1
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
APR 07...	2	<10	20	0	0	0	<10	40	20	20	130	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290600088590700 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE -9.38 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
APR 07...	.0	.0	.0	1	1	0	<10	0	0	0	0	30
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
APR 07...	30	20	1.2	.00	0	0	0	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDU IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
APR 07...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.02	.0
DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
APR 07...	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000	.0	.000
DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	
APR 07...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	
DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
APR 07...	.0	.00	.0	0	.00	.0	.00	.00	.00	.000	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292534089593500 MISSISSIPPI RIVER GULF OUTLET AT MILE -9.38 (BRETON SOUND), NEAR HOPEDALE, LA (CE 85882)

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA.MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1100	39200	8.0	5	4	13000	4700	4600	350	920	9000	79
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
APR 07...	57	390	124	0	100	2000	15000	10	10	29900	0	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)
APR 07...	.02	.00	.02	.10	.07	18	.09	.33	.32	.43	.04	.39
DATE	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
APR 07...	1800	.45	2.0	.06	.02	1	0	1	5	0	0	0
DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)
APR 07...	<10	0	0	0	.05	30	29	1	20	0	8	6
DATE	DIS-COPPER (CU) (UG/L)	TOTAL COPPER IN MATERIAL (UG/G)	DIS-IRON (FE) (UG/L)	LEAD (PB) (UG/L)	SUS-LEAD (PB) (UG/L)	DIS-LEAD (PB) (UG/L)	TOTAL LEAD IN MATERIAL (UG/G)	TOTAL GANESSE (MN) (UG/L)	SUSPENDED GANESSE (MN) (UG/L)	DIS-SOLVED GANESSE (MN) (UG/L)	TOTAL MANGANESE IN (F/M) MATERIAL (UG/G)	MERCURY (HG) (UG/L)
APR 07...	2	<10	20	0	0	0	<10	30	0	30	200	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292534089593500 MISSISSIPPI RIVER GULF OUTLET AT MILE -9.38 (BRETON SOUND), NEAR HOPEDALE, LA (CE 85882)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
APR 07...	.0	.0	.0	17	17	0	<10	0	0	0	0	70
DATE	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
APR 07...	50	20	20	2.2	.00	0	0	0	.0	.0	0	.00
DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
APR 07...	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.00
DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
APR 07...	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0
DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)
APR 07...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
APR 07...	.0	.00	.0	0	.00	.0	.00	.00	.00	.335	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290500088595100 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE -9.38 (BRETON SOUND), NEAR HOPEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1115	39200	8.0	10	2	4700	4600	4500	340	920	9000	79
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
APR 07...	58	390	124	0	100	1900	13000	22	20	14900	0	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)
APR 07...	.01	.00	.01	.09	.09	4.7	.12	.32	.32	.41	.00	.41
DATE	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
APR 07...	560	.42	1.9	.03	.01	0	0	0	4	0	0	0
DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)
APR 07...	<10	0	0	0	.04	20	19	1	10	0	4	4
DATE	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
APR 07...	0	<10	30	0	0	0	<10	40	0	40	110	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290500088595100 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE -9.38 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
APR 07...	.0	.0	.0	0	0	0	<10	0	0	0	0	20
DATE	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
APR 07...	10	10	30	1.4	.00	0	0	0	.0	.0	0	.00
DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
APR 07...	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.01
DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
APR 07...	.0	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000	.0
DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)
APR 07...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
APR 07...	.0	.00	.0	0	.00	.0	.00	.00	.00	.227	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290532088581700 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE -10.38 (BRETON SOUND), NEAR HOPEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1030	39900	7.9	5	3	6200	5400	5300	360	1100	9000	77
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	53	400	126	0	100	2100	15000	22	21	16300	2	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
APR 07...	.02	.00	.02	.25	.09	8.0	.12	.48	.47	.73	.17	.56
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
APR 07...	790	.75	3.3	.06	.02	1	0	1	5	10	0	10
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)
APR 07...	<10	0	0	0	.01	30	30	0	20	0	2	0
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
APR 07...	2	<10	40	2	2	0	<10	40	10	30	140	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290532088581700 MISSISSIPPI RIVER GULF OUTLET 500 YARDS NORTHEAST OF MILE -10.38 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
APR 07...	.0	.0	.0	0	0	0	<10	0	0	0	0	30
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED IN NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
APR 07...	30	20	2.2	.00	0	3	0	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDO IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
APR 07...	.000	.0	.0	0	.000	1.1	.000	.5	.000	.0	.00	.0
DATE	TOTAL DIELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
APR 07...	.000	.0	.000	.000	.0	.000	.0	.000	.2	.000	.0	.000
DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	
APR 07...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	
DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
APR 07...	.0	.00	.0	0	.00	.0	.00	.00	.00	.290	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290502088583900 MISSISSIPPI RIVER GULF OUTLET AT MILE -10.38 (BRETON SOUND), NEAR HOPEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COU IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA/MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 07...	1000	40300	7.9	5	2	4900	5400	5300	360	1100	9000	77
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
APR 07...	53	380	126	0	100	2200	15000	13	16	14500	2	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)
APR 07...	.09	.00	.09	.22	.08	12	.10	.56	.28	.78	.42	.36
DATE	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
APR 07...	620	.87	3.9	.06	.02	1	0	1	4	0	0	0
DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)
APR 07...	<10	0	0	0	.01	30	30	0	20	0	2	0
DATE	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
APR 07...	2	<10	30	0	0	0	<10	30	0	30	110	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290502088583900 MISSISSIPPI RIVER GULF OUTLET AT MILE -10.38 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
APR 07...	.0	.0	.0	0	0	0	<10	0	0	0	0	30
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
APR 07...	30	20	2.8	.00	0	0	2	.0	.0	16	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
APR 07...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.00	.0
DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
APR 07...	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000	.0	.000
DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
APR 07...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
DATE	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A- PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)		
APR 07...	.00	.0	0	.00	.0	.00	.00	.00	.000	.000		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290430088590300 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE -10.38 (BRETON SOUND), NEAR HOPEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
APR 07...	0945	40300	8.0	5	1	5100	4800	4700	360	950	9000	79	
		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
APR 07...	96		380	125	0	100	2100	15000	10	15	15100	2	<1.0
		TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
APR 07...	.01		.00	.01	.09	.09	9.4	.12	.21	.21	.30	.00	.30
		TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
APR 07...	730		.31	1.4	.03	.02	0	0	0	4	0	0	0
		TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)
APR 07...	<10		0	0	0	.01	30	29	1	20	0	2	0
		DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
APR 07...	2		<10	40	0	0	0	<10	30	10	20	130	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290430088590300 MISSISSIPPI RIVER GULF OUTLET 500 YARDS SOUTHWEST OF MILE -10.38 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT TOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOT TOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
APR 07...	.0	.0	.0	0	0	0	<10	0	0	0	0	30
DATE	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
APR 07...	10	20	20	1.0	.00	0	0	0	.0	.0	0	.00
DATE	PCN TOTAL IN BOT TOM MA- TERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT TOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
APR 07...	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.00
DATE	DI- AZINON IN BOT TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
APR 07...	.0	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000	.0
DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOT TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)
APR 07...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
DATE	PARA- THION IN BOT TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
APR 07...	.0	.00	.0	0	.00	.0	.00	.00	.00	.045	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291800089194800 BAPTISTE COLLETTE BAYOU AT MILE 1.6, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SPE- CIFIC CON- DUCT- ANCE		COLOR (PLAT- INUM- COBALT	TUR- BID- ITY	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL)	COD IN BOTTOM MA- TERIAL	HARD- NESS (CA+MG)	NON- CAR- BONATE HARD- NESS	DIS- SOLVED CAL- CIUM (CA)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA)
DATE	TIME	(MICRO- MHOS)	PH (UNITS)	(UNITS)	(JTU)	(MG/L)	(MG/KG)	(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
JUN 09...	1400	1830	7.9	10	20	16	20000	270	170	47	38	260
09...	1405	1980	8.1	15	20	--	16000	280	180	47	40	290
DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN 09...	12	125	0	103	110	430	27	27	23400	4	1.9	.01
09...	12	128	0	105	120	480	30	33	22800	2	1.6	.01
DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN 09...	.06	.06	9.4	1.1	.85	1.2	.91	2600	3.1	.22	.20	2
09...	.06	.06	8.1	.72	.19	.78	.25	1800	2.4	.24	.19	2
DATE	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
JUN 09...	1	1	6	0	0	0	0	0	0	0	.37	20
09...	2	0	6	0	0	0	0	0	0	0	.41	30
DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	
JUN 09...	0	10	0	5	5	<10	10	2	2	<10	30	
09...	0	<10	0	4	4	<10	10	1	1	<10	30	
DATE	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN 09...	20	10	380	.0	.0	.0	.0	10	7	3	20	0
09...	30	0	370	.2	.2	.0	.3	10	8	2	<10	0

DREDGING OPERATIONS STUDY--Continued

291800089194800 BAPTISTE COLLETTE BAYOU AT MILE 1.6, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 09...	0	0	0	20	20	30	4.6	.00	0	0	7	.0
09...	0	0	0	20	20	30	4.9	.00	0	0	5	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)
JUN 09...	.0	80	.00	.0	.000	.0	.0	6	.000	4.4	.000	1.1
09...	.0	76	.00	.0	.000	.0	.0	7	.000	5.4	.000	1.6

DATE	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 09...	.000	.0	.01	.0	.010	.7	.000	.000	.0	.00	.0	.000
09...	.000	.0	.01	.0	.006	.7	.000	.001	.1	.00	.0	.000

DATE	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN 09...	.0	.000	.0	.000	.2	.00	.0	.00	.00	.0	.00
09...	.0	.002	.1	.000	.3	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 09...	.0	.00	.0	.00	.0	0	0	.00	.0	.01	.00	.00
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.01	.00	.01

291754089194400 BENNEYS BAY 200 YARDS SOUTH SOUTHEAST OF MILE 1.6, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOT- TOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
JUN 09...	1345	1260	9.2	20	15	--	29000	210	110	47	23	160
09...	1350	1240	9.1	5	15	24	33000	220	120	49	23	170

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291754089194400 BENNEYS BAY 200 YARDS SOUTH SOUTHEAST OF MILE 1.6, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN												
09...	7.5	88	18	101	84	280	19	20	37600	4	.01	.01
09...	11	88	16	98	86	270	20	19	44600	2	.01	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN												
09...	.24	.01	14	.75	.38	.99	.39	3800	1.0	.48	.17	3
09...	.18	.04	14	1.3	.94	1.5	.98	4400	1.5	.39	.13	4

DATE	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
JUN												
09...	0	3	7	0	0	0	0	0	0	0	.83	10
09...	1	3	7	0	0	0	0	0	0	0	.81	10

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUN											
09...	0	20	0	5	5	10	10	2	2	<10	60
09...	0	20	0	4	4	10	10	2	2	<10	80

DATE	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN												
09...	60	0	430	.0	.0	.0	.0	11	8	3	<10	0
09...	70	10	480	.0	.0	.0	.0	6	2	4	20	0

DATE	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
09...	0	0	0	30	10	40	5.1	.00	0	0	4	.0
09...	0	0	0	0	0	40	7.0	.00	0	0	2	.0

DREDGING OPERATIONS STUDY--Continued

291754089194400 BENNEYS BAY 200 YARDS SOUTH SOUTHEAST OF MILE 1.6, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN												
09...	.0	24	.00	.0	.000	.0	.0	8	.000	3.9	.000	1.5
09...	.0	110	.00	.0	.000	.0	.0	0	.000	3.9	.000	1.3

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN												
09...	.000	.0	.01	.0	.001	.3	.000	.000	.0	.000	.0	.000
09...	.000	.3	.08	.0	.000	.0	.000	.000	.0	.000	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN											
09...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
09...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN												
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.00	.01	.00
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.00	.00	.00

291940089184400 BAPTISTE COLLETTE BAYOU AT MILE 3.8, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
JUN												
09...	1315	1720	7.8	10	15	17	18000	260	160	46	35	240
09...	1320	1860	7.8	15	20	14	20000	270	170	47	38	250

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN												
09...	11	128	0	105	110	400	28	28	36500	3	1.6	.01
09...	12	128	0	105	110	430	20	18	38200	3	1.6	.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291940089184400 BAPTISTE COLLETTE BAYOU AT MILE 3.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN 09...	.06	.05	10	.71	.44	.77	.49	1900	2.4	.23	.18	2
09...	.06	.06	16	.50	.45	.56	.51	2500	2.2	.22	.19	2

DATE	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM TERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM TERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)
JUN 09...	0	2	9	0	0	0	0	0	0	0	.35	20
09...	0	2	6	0	0	0	0	0	0	0	.30	20

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MA-TERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)
JUN 09...	0	10	0	4	4	<10	20	2	2	<10	30
09...	0	10	0	4	4	<10	10	2	0	<10	50

DATE	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUN 09...	20	10	420	.0	.0	.0	.3	7	2	5	10	0
09...	40	10	350	.3	.3	.0	.1	7	3	4	<10	0

DATE	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA-TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MA-TERIAL (MG/KG)
JUN 09...	0	0	0	20	20	30	4.1	.00	0	0	1	.0
09...	0	0	0	20	10	30	5.8	.00	0	0	0	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA-TERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)
JUN 09...	.0	0	.00	.0	.000	.0	.0	0	.000	.6	.000	.0
09...	.0	0	.00	.0	.000	.0	.0	0	.000	.5	.000	.3

DREDGING OPERATIONS STUDY--Continued

291940089184400 BAPTISTE COLLETTE BAYOU AT MILE 3.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
JUN 09...	.000	.0	.01	.0	.006	.4	.000	.001	.0	.00	.0	.000
09...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)
JUN 09...	.0	.002	.0	.000	.0	.00	.0	.00	.00	.0	.00
09...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 09...	.0	.00	.0	.00	.0	0	0	.00	.0	.01	.01	.01
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.00	.00	.00

292211089180900 BRETON SOUND IN BAPTISTE COLLETTE CHANNEL AT MILE 8.0, NEAR VENICE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHUS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
JUN 09...	1230	29000	8.2	20	10	42000	3500	3400	180	730	5800	250
09...	1235	14000	8.2	10	15	35000	1600	1500	110	310	3000	100

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)
JUN 09...	132	0	108	1400	10000	37	40	60200	0	.33	.01	.22
09...	133	0	109	630	4600	37	40	66900	6	.33	.01	.22

DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MATERIAL (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MATERIAL (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)
JUN 09...	.05	11	1.1	.79	1.3	.84	5300	1.6	.14	.08	2	0
09...	.06	13	1.1	.88	1.3	.94	4600	1.6	.14	.07	2	1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292211089180900 BRETON SOUND IN BAPTISTE COLLETTE CHANNEL AT MILE 8.0, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

TABLE 1. ANALYTICAL DATA FOR ARSENIC, BERYLLIUM, CADMIUM, COPPER, CHROMIUM, IRON, LEAD, MANGANESE, MERCURY, NICKEL, SELENIUM, ZINC, AND ORGANIC CARBON												
DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	
JUN 09...												
09...	2	11	0	0	0	0	0	0	0	.56	30	
09...	1	12	0	0	0	0	0	0	0	.61	20	
DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	
JUN 09...												
09...	0	20	0	4	4	10	30	3	0	<10	80	
09...	0	20	0	5	5	10	20	4	1	<10	80	
DATE	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN 09...												
09...	50	30	780	.0	.0	.0	1.0	3	0	3	<10	0
09...	60	20	840	.2	.2	.0	.5	10	7	3	<10	0
DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 09...												
09...	0	0	0	20	20	50	6.3	.00	0	0	0	.0
09...	0	0	0	30	10	50	5.4	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 09...												
09...	.0	120	.00	.0	.000	.0	.0	4	.000	4.3	.000	1.7
09...	.0	34	.00	.0	.000	.0	.0	11	.000	9.8	.000	4.4
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 09...												
09...	.000	.3	.000	.0	.002	.8	.000	.000	.0	.000	.0	.000
09...	.000	.0	.010	.0	.002	1.3	.000	.000	.2	.000	.0	.000

292211089180900 BRETON SOUND IN BAPTISTE COLLETTE CHANNEL AT MILE 8.0, NEAR VENICE, LA--Continued

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN											
09...	.1	.001	.1	.000	.2	.00	.0	.00	.00	.0	.00
09...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN												
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.00	.00	.00
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.00	.00	.00

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED POTASSIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
JUN 09...	1255	12000	7.8	5	15	6000	1300	1200	110	260	2300	85
09...	1300	13700	8.3	10	15	6200	1500	1400	110	300	2600	110

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MA-TERIAL (MG/KG)	VOL. NON-FILT-RABLE RESIDUE (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN 09...	127	0	104	560	3800	27	27	15600	5	<1.0	1.1	.01
JUN 09...	134	0	110	630	4500	26	27	14200	4	--	1.1	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN 09...	.13	.05	3.9	.60	.42	.73	.47	1100	1.8	.19	.13	3
09...	.14	.07	4.5	.83	.46	.97	.53	940	2.1	.19	.11	2

[illegible]

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292209089175700 BRETON SOUND 200 YARDS EAST OF BAPTISTE COLLETTE CHANNEL AT MILE 8.0, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	
JUN 09...	0	<10	0	2	2	<10	20	0	0	<10	60	
09...	0	<10	0	4	4	<10	10	1	1	<10	50	
	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN 09...	40	20	150	.0	.0	.0	.2	13	11	2	20	0
09...	40	10	140	.2	.2	.0	.0	9	6	3	<10	0
	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 09...	0	0	0	10	10	20	5.2	.00	0	0	1	.0
09...	0	0	0	20	20	20	4.1	.00	0	0	1	.0
	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 09...	.0	0	.00	.0	.000	.0	.0	0	.000	1.0	.000	.4
09...	.0	0	.00	.0	.000	.0	.0	0	.000	.5	.000	.2
	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 09...	.000	.0	.00	.0	.005	.1	.000	.000	.0	.00	.0	.000
09...	.000	.0	.01	.0	.004	.1	.000	.000	.0	.00	.0	.000
	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
JUN 09...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00	
09...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292209089175700 BRETON SOUND 200 YARDS EAST OF BAPTISTE COLLETTE CHANNEL AT MILE 8.0, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN												
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.01	.01	.01
09...	.0	.00	.0	.00	.0	0	0	.00	.0	.01	.00	.00

DREDGING OPERATIONS STUDY--Continued

290530089133900 MISSISSIPPI RIVER SOUTH PASS AT MILE 5.0 BHP NEAR PILOTTOWN, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
JUN 10...	0755	2630	8.1	10	10	19000	360	260	51	56	380	18
10...	0800	2620	8.2	20	10	2800	350	250	51	55	370	18

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)
JUN 10...	128	0	105	140	710	10	7	12700	3	1.5	.00	.05
10...	128	0	105	140	700	9	7	8400	3	1.6	.00	.09

DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MATERIAL (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJELDAHL NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN IN BOTTOM MATERIAL (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN 10...	.01	3.6	.46	.42	.51	.43	730	2.0	.21	.19	2
10...	.05	5.2	.50	.38	.59	.43	390	2.2	.20	.17	2

DATE	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
JUN 10...	1	1	4	0	0	0	0	0	0	0	.10
10...	1	1	2	0	0	0	0	0	0	0	.09

DATE	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)
JUN 10...	20	2	10	0	4	<10	10	2	--	<10	20
10...	20	3	<10	0	4	<10	10	4	4	<10	20

DATE	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUN 10...	20	0	80	.0	.0	.0	1.2	4	2	2	<10	0
10...	20	0	60	.0	.0	.0	.0	8	6	2	10	0

DREDGING OPERATIONS STUDY--Continued

290530089133900 MISSISSIPPI RIVER SOUTH PASS AT MILE 5.0 BHP NEAR PILOTTOWN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
10...	0	0	0	30	30	20	5.3	.00	0	0	2	.0
10...	0	0	0	20	20	20	3.7	.00	0	0	3	--

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN												
10...	.0	2	.00	.0	.000	.0	.0	2	.000	.6	.000	.1
10...	.0	11	.00	.0	.000	.0	.0	1	.000	.7	.000	.2

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN												
10...	.000	.0	.01	.0	.010	.1	.000	.000	.0	.00	.0	.000
10...	.000	.1	.02	.1	.007	.0	.000	.003	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN											
10...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
10...	.0	.002	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN												
10...	.0	.00	.0	.00	.0	.0	0	.00	.0	.02	.01	.00
10...	.0	.00	.0	.00	.0	.0	0	.00	.0	.01	.01	.00

290148089105900 MISSISSIPPI RIVER SOUTH PASS AT MILE 10.0 BHP NEAR PORT EADS, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
JUN												
10...	0825	3410	8.0	10	10	50	15000	430	320	55	70	550
10...	0830	3570	7.9	10	10	40	22000	440	340	56	74	560

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290148089105900 MISSISSIPPI RIVER SOUTH PASS AT MILE 10.0 BHP NEAR PORT EADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN												
10...	25	129	0	106	170	950	26	19	32900	2	1.5	.00
10...	25	125	0	103	180	960	16	19	39900	0	1.5	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN												
10...	.05	.05	10	.44	.44	.49	.49	1900	2.0	.20	.17	2
10...	.03	.03	10	.38	.38	.41	.41	2100	1.9	.20	.17	2

DATE	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
JUN												
10...	0	2	7	0	0	0	0	0	0	0	.48	10
10...	0	2	4	0	0	0	0	0	0	0	.37	20

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUN											
10...	0	<10	0	6	6	<10	10	3	3	<10	40
10...	0	<10	0	4	4	<10	10	1	1	<10	20

DATE	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN												
10...	30	10	370	.2	.2	.0	.0	13	11	2	<10	0
10...	10	10	460	.0	.0	.0	.0	7	5	2	<10	0

DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
10...	0	0	0	10	10	20	3.3	.00	0	0	1	.0
10...	0	0	0	20	0	40	4.0	.00	0	0	2	.0

DREDGING OPERATIONS STUDY--Continued

290148089105900 MISSISSIPPI RIVER SOUTH PASS AT MILE 10.0 BHP NEAR PORT EADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
JUN 10...	.0	180	.00	.0	.0000	.0	.0	8	.0000	4.1	.0000	.0
10...	.0	210	.00	.0	.0000	.0	.0	13	.0000	10	.0000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
JUN 10...	.0000	.0	.02	.0	.0006	.8	.0000	.0002	.0	.00	.0	.0000
10...	.0000	.8	.01	.0	.0007	1.4	.0000	.0002	.2	.00	.0	.0000

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)
JUN 10...	.0	.0002	.1	.0000	.4	.00	.0	.00	.00	.0	.00
10...	.0	.0002	.1	.0000	1.2	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 10...	.0	.00	.0	.00	.0	.0	0	.00	.0	.02	.01	.00
10...	.0	.00	.0	.00	.0	.0	0	.00	.0	.02	.01	.00

285913089075600 MISSISSIPPI RIVER SOUTH PASS AT MILE 14.2 BHP NEAR PORT EADS, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)
JUN 10...	0855	17800	8.5	20	8	--	16000	2000	1900	140	400	3400
10...	0900	22200	8.6	15	10	75	24000	2600	2500	170	530	4400

DATE	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN 10...	140	124	6	112	840	6100	31	30	40600	2	.51	.01
10...	170	122	8	113	780	8000	51	47	44900	8	.49	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

285913089075600 MISSISSIPPI RIVER SOUTH PASS AT MILE 14.2 BHP NEAR PORT EADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN												
10...	.26	.05	9.1	.58	.48	.84	.53	1700	1.4	.14	.07	2
10...	.28	.05	5.4	.46	.46	.74	.51	1800	1.3	.14	.08	1

DATE	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MAT. TERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MAT. TERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MAT. TERIAL (UG/G)
JUN											
10...	0	2	6	0	0	0	0	0	0	0	.52
10...	0	1	6	0	0	0	0	0	0	0	.40

DATE	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MAT. TERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MAT. TERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MAT. TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)
JUN											
10...	20	0	<10	0	0	<10	20	5	4	<10	70
10...	20	0	<10	0	0	<10	10	1	1	<10	90

DATE	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MAT. TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MAT. TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MAT. TERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUN												
10...	40	30	360	.2	.2	.0	1.0	9	6	3	<10	0
10...	70	20	360	.2	.2	.0	.0	7	5	2	<10	0

DATE	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MAT. TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MAT. TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MAT. TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MAT. TERIAL (MG/KG)
JUN												
10...	0	0	0	0	0	30	4.3	.00	0	0	2	.0
10...	0	0	0	20	20	20	3.9	.00	0	0	2	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MAT. TERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MAT. DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MAT. TERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MAT. TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MAT. TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MAT. TERIAL (UG/KG)
JUN												
10...	.0	100	.00	.0	.000	.0	.0	3	.000	5.1	.000	1.5
10...	.0	110	.00	.0	.000	.0	.0	5	.000	6.0	.000	2.3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

285913089075600 MISSISSIPPI RIVER SOUTH PASS AT MILE 14.2 BHP NEAR PORT EADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN												
10...	.000	.6	.01	.0	.003	.5	.000	.000	.0	.00	.0	.000
10...	.000	.7	.00	.0	.004	.5	.000	.000	.1	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN											
10...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00
10...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN												
10...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00
10...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290904089151700 MISSISSIPPI RIVER AT MILE 0.0 (HEAD OF PASSES), NEAR PILOTTOWN, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DATE	TIME		(UNITS)									
DEC 14...	1330	2330	7.7	10.0	5	1	1.9	8840	875	350	220	56
15...	1030	2460	8.1	10.0	10	2	1.5	81600	100	350	230	53
	UIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PEN- DED SOLIDS (MG/L)
DATE												
DEC 14...	51	370	69	8.6	16	158	0	130	150	580	9	10
15...	54	350	67	8.1	18	158	0	130	140	620	6	8
	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PEN- DED KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- DAHL NITRO- GEN (N) (MG/L)
DATE												
DEC 14...	0	.57	.01	.58	.26	.23	.30	.51	.51	.77	.03	.74
15...	1	.57	.01	.58	.24	.23	.30	.55	.56	.79	.00	.79
	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PEN- DED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PEN- DED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PEN- DED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
DATE												
DEC 14...	1.4	6.0	.31	3	1	2	0	0	0	0	0	0
15...	1.4	6.1	.37	2	0	2	0	0	0	0	0	0
	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PEN- DED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PEN- DED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PEN- DED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
DATE												
DEC 14...	<10	0	4	0	4	10	1	0	1	20	10	10
15...	<10	0	4	1	3	20	2	2	0	30	20	10
	TOTAL MERCURY (HG) (UG/L)	SUS- PEN- DED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)
DATE												
DEC 14...	.0	.0	.0	4	3	1	1	20	7	6.6	.00	3
15...	.0	.0	.0	3	2	1	1	20	10	4.0	.00	16

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290904089151700 MISSISSIPPI RIVER AT MILE 0.0 (HEAD OF PASSES), NEAR PILOTTOWN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)
DEC												
14...	0	.0	.00	.00	.0	.00	.00	.00	.02	.00	.00	.00
15...	0	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC												
14...	.00	.00	.00	.00	.01	.00	.00	0	.00	.09	.02	.00
15...	.00	.00	.00	.00	.00	.00	.00	0	.00	.04	.00	.00

290720089155200 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 2.0 (BHP), NEAR PILOTTOWN, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL./ 100 ML)	HARD- NESS (CA*MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DEC												
14...	1325	3070	7.7	10.0	5	4	1.9	B1100	120	420	300	56
15...	1020	3920	8.1	10.0	20	4	1.3	B1000	B82	510	230	63

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDEd SOLIDS (MG/L)
DEC												
14...	67	500	71	11	21	146	0	120	180	800	8	12
15...	86	610	71	12	28	155	0	127	220	1000	11	8

DATE	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDEd KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
DEC												
14...	0	.58	.01	.59	.26	.28	.36	--	.53	--	--	.81
15...	0	.56	.01	.57	.23	.23	.30	.55	.55	.78	.00	.78

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290720089155200 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 2:0 (BHP), NEAR PILOTTOWN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
DEC 14...	--	--	.31	3	1	2	0	0	0	0	0	0
15...	1.4	6.2	.39	3	0	3	0	0	0	0	0	0

DATE	TOTAL CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
DEC 14...	<10	0	3	0	3	10	0	0	0	20	10	10
15...	<10	0	3	0	3	30	2	0	2	30	20	10

DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)
DEC 14...	.0	.0	.0	3	3	0	0	20	1	5.6	.00	8
15...	.0	.0	.0	3	3	0	0	10	0	4.2	.00	3

DATE	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIAZINON (UG/L)	TOTAL DIELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)
DEC 14...	0	.0	.00	.00	.0	.00	.00	.00	.03	.00	.00	.00
15...	0	.0	.00	.00	.0	.00	.00	.00	.01	.00	.00	.00

DATE	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALATHION (UG/L)	TOTAL METHYL PARATHION (UG/L)	TOTAL METHYL TRITHION (UG/L)	TOTAL PARATHION (UG/L)	TOTAL TOXAPHENE (UG/L)	TOTAL TRITHION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC 14...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00
15...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00

290547089164300 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 4.0 (BHP), NEAR PILOTTOWN, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
DEC 14...	1300	2990	7.8	10.0	10	4	1.6	8970	110	410	280	56
15...	1010	3930	8.1	10.0	10	4	1.3	680	891	500	380	62

DREDGING OPERATIONS STUDY--Continued

290547089164300 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 4.0 (BHP), NEAR PILOTTOWN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MAG-NE-SIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD-SORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)
DEC 14...	65	460	70	9.9	22	156	0	128	180	790	5	5
15...	85	630	72	12	29	157	0	129	220	1100	6	4
DATE	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)
DEC 14...	1	.57	.01	.58	.26	.25	.32	.64	.56	.90	.09	.81
15...	0	.55	.01	.56	.25	.22	.28	.68	.61	.93	.10	.83
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
DEC 14...	1.5	6.6	.31	3	2	1	0	0	0	0	0	0
15...	1.5	6.6	.41	3	1	2	0	0	0	0	0	0
DATE	TOTAL CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
DEC 14...	<10	0	3	0	3	10	0	0	0	30	20	10
15...	<10	0	3	0	3	50	2	0	2	30	10	20
DATE	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)
DEC 14...	.0	.0	.0	2	2	0	0	20	1	5.0	.00	3
15...	.0	.0	.0	3	3	0	0	20	10	6.4	.00	0
DATE	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIAZINON (UG/L)	TOTAL DIELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)
DEC 14...	0	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00
15...	0	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290547089164300 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 4.0 (BHP), NEAR PILOTTOWN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPCXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC 14...	.00	.00	.00	.00	.00	.00	.00	0	.00	.08	.02	.00
15...	.00	.00	.00	.00	.00	.00	.00	0	.00	.09	.02	.00

290210089200601 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 10.0 (BHP) NEAR PILOTTOWN, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL./ 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DEC 14...	1245	5600	8.0	10.5	15	4	1.6	8940	140	670	550	71
15...	0950	6530	8.1	10.0	10	5	1.4	780	850	880	750	94

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILTRABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)
DEC 14...	120	940	74	16	42	152	0	125	280	1600	11	7
15...	160	1000	70	15	45	153	0	125	320	1900	9	13

DATE	VOL. NON- FILTRABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
DEC 14...	2	.53	.01	.54	.24	.22	.28	.61	.61	.85	.02	.83
15...	0	.61	.01	.62	.27	.25	.32	--	.65	--	--	.90

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
DEC 14...	1.4	6.2	.29	3	0	3	0	0	0	0	0	0
15...	--	--	.37	3	1	2	0	0	0	0	0	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
DEC 14...	<10	0	3	0	3	10	0	0	0	30	10	20
15...	10	0	2	0	2	30	0	0	0	30	20	10

DREDGING OPERATIONS STUDY--Continued

290210089200601 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 10.0 (BHP), NEAR PILOTTOWN, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)
DEC 14...	.0	.0	.0	2	2	0	0	20	10	5.6	.00	0
15...	.0	.0	.0	4	3	0	0	20	10	6.1	.00	1

DATE	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)
DEC 14...	0	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00
15...	0	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC 14...	.00	.00	.00	.00	.00	.00	.00	0	.00	.08	.00	.00
15...	.00	.00	.00	.00	.00	.00	.00	0	.00	.10	.02	.00

285803089230300 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 15.0 (BHP), NEAR BURRWOOD, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL./ 100 ML)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DEC 14...	1230	7100	8.0	11.0	10	4	1.6	780	B68	860	740	80
15...	0940	8370	8.1	10.0	15	4	1.6	--	--	1000	880	90

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)
DEC 14...	160	1300	75	19	52	148	0	121	340	2100	6	9
15...	190	1500	75	21	59	152	0	125	400	2600	5	3

DATE	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
DEC 14...	0	.52	.01	.53	.23	.21	.27	.51	.53	.74	.00	.74
15...	0	.51	.01	.52	.25	.24	.31	--	.62	--	--	.86

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

285803089230300 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 15.0 (BHP), NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
DEC 14...	1.3	5.6	.28	2	0	2	0	0	0	0	0	0
15...	--	--	.33	2	1	1	0	0	0	0	0	0

DATE	TOTAL CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
DEC 14...	20	0	5	2	3	30	1	1	0	70	60	10
15...	<10	0	3	0	3	30	2	0	2	30	10	20

DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)
DEC 14...	.0	.0	.0	3	3	0	0	30	10	4.2	.00	0
15...	.0	.0	.0	4	2	1	1	20	10	5.4	.00	0

DATE	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLORDANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIAZINON (UG/L)	TOTAL DIELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)
DEC 14...	0	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00
15...	0	.0	.00	.00	.0	.00	.00	.00	.01	.00	.00	.00

DATE	TOTAL HEPTACHLOR (UG/L)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALATHION (UG/L)	TOTAL METHYL PARATHION (UG/L)	TOTAL METHYL TRITHION (UG/L)	TOTAL PARATHION (UG/L)	TOTAL TOXAPHENE (UG/L)	TOTAL TRITHION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC 14...	.00	.00	.00	.00	.00	.00	.00	0	.00	.07	.02	.00
15...	.00	.00	.00	.00	.00	.00	.00	0	.00	.07	.02	.00

285334089260800 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 21.0 (BHP), NEAR BURRWOOD, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
DEC 14...	1030	27400	8.0	13.5	15	6	1.0	73	<5	3400	3300	230
15...	0930	23000	8.0	13.0	10	7	.7	8630	864	2700	2600	180

DREDGING OPERATIONS STUDY--Continued

285334089260800 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 21.0 (BHP), NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MAGNE-SIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)
DEC 14...	690	5200	75	39	230	144	0	118	1400	9800	19	20
15...	550	4400	76	37	190	153	0	125	1100	7900	14	20
DATE	VOL. NON-FILT-RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)
DEC 14...	2	.30	.01	.31	.17	.15	.19	.38	.37	.55	.03	.52
15...	1	.36	.01	.37	.21	.20	.26	--	.49	--	--	.69
DATE	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL-LIUM (BE) (UG/L)	SUS-PENDED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)
DEC 14...	.86	3.8	.17	3	1	2	10	0	10	0	0	0
15...	--	--	.20	3	1	2	10	0	10	0	0	0
DATE	TOTAL CHRO-MIUM (CR) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
DEC 14...	10	0	3	1	2	30	0	0	0	40	10	30
15...	10	0	3	0	3	20	0	0	0	50	30	20
DATE	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)
DEC 14...	.0	.0	.0	4	2	0	0	40	10	4.7	.00	0
15...	.0	.0	.0	4	2	0	0	30	10	6.0	.00	3
DATE	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY-CHLO-RINATED NAPH-THA-LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-AZINON (UG/L)	TOTAL DI-ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)
DEC 14...	0	.0	.00	.00	.0	.00	.00	.00	.01	.00	.00	.00
15...	0	.0	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

285334089260800 SOUTHWEST PASS OF MISSISSIPPI RIVER AT MILE 21.0 (BHP), NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC 14...	.00	.00	.00	.00	.00	.00	.00	0	.00	.08	.01	.00
15...	.00	.00	.00	.00	.00	.00	.00	0	.00	.05	.01	.00

285237089260300 GULF OF MEXICO IN SOUTHWEST PASS CHANNEL AT MILE 21.8 (BHP), NEAR BURRWOOD, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM 7UM-MF (COL./ 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DEC 14...	1000	40800	8.1	15.5	5	6	3.8	<5	<5	5400	5400	340
15...	0915	34100	8.0	15.0	5	4	.7	814	<5	4400	4400	280

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)
DEC 14...	1100	9000	77	53	370	15	0	12	2100	16000	18	18
15...	890	7500	77	49	300	15	0	12	1700	12000	17	19

DATE	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL - DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
DEC 14...	1	.12	.01	.13	.13	.13	.17	.30	.30	.43	.00	.43
15...	0	.58	.01	.59	.14	.13	.17	--	.37	--	--	.50

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
DEC 14...	.56	2.5	.09	2	0	2	20	0	20	0	0	0
15...	--	--	.13	2	0	2	10	0	10	0	0	0

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
DEC 14...	<10	0	2	0	2	30	0	0	0	30	0	30
15...	10	0	3	1	2	30	0	0	0	40	20	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC												
14...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00
15...	.00	.00	.00	.00	.00	.00	.00	0	.00	.02	.00	.00

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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

285412089262100 GULF OF MEXICO 300 YARDS WEST OF SOUTHWEST PASS AT MILE 20.5 BHP, NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	PCB IN BOTTOM MA- TERIAL (UG/KG)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)
FEB 16...	1200	0	49	.0	.0	5	3.2	1.0	.0	.0	.8	.0
DATE	TIME	ETHION IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS DRY SOLIDS	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)
FEB 16...		.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

285334089254200 GULF OF MEXICO 600 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 BHP, NEAR BURRWOOD, LA

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	PCB IN BOTTOM MA- TERIAL (UG/KG)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)
FEB 16...	1110	0	51	.0	.0	0	2.4	.5	.0	.0	.0	.0
DATE	TIME	ETHION IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS (UG/KG)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)
FEB 16...		.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0

285334089260800 GULF OF MEXICO IN SOUTHWEST PASS CHANNEL AT MILE 21.0 BHP, NEAR BURRWOOD, LA

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	PCB IN BOTTOM MA- TERIAL (UG/KG)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)
FEB 16...	1120	2	130	.0	.0	5	4.2	1.4	2.3	.0	.8	.0
DATE	TIME	ETHION IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS DRY SOLIDS	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)
FEB 16...	--	--	.0	--	.0	.0	.0	.0	.0	--	0	--

285334089262100 GULF OF MEXICO 300 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 BHP, NEAR BURRWOOD, LA

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	PCB IN BOTTOM MA- TERIAL (UG/KG)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)
FEB 16...	1130	2	83	.0	.0	3	4.2	1.0	.0	.0	.6	.0

285334089262100 GULF OF MEXICO 300 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 BHP, NEAR BURRWOOD, LA--Continued

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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291452089213300 TIGER PASS AT MILE 0.8, AT VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
JUN 09...	1050	989	8.0	15	25	41000	190	83	43	21	120	7.0
09...	1055	972	7.7	15	25	58000	190	83	43	21	110	7.0
DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN 09...	130	0	107	77	190	27	26	45600	4	<1.0	1.5	.01
09...	131	0	107	73	180	36	37	54800	2	<1.0	1.6	.01
DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJELDAHL NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN 09...	.03	.00	15	.67	.39	.70	.39	3800	2.2	.23	.18	3
09...	.01	.01	13	.99	.53	1.0	.54	5500	2.6	.23	.19	3
DATE	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)
JUN 09...	2	1	10	0	0	0	0	0	0	0	.38	30
09...	1	2	13	0	0	0	0	0	0	0	.42	10
DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	
JUN 09...	2	10	0	4	4	<10	10	7	2	<10	30	
09...	2	20	0	4	4	10	10	5	2	<10	40	
DATE	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUN 09...	30	0	300	.0	.0	.0	.1	8	6	2	<10	0
09...	40	0	360	.2	.2	.0	.0	4	0	4	<10	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291452089213300 TIGER PASS AT MILE 0.8, AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
09...	0	0	0	20	10	40	5.3	.00	0	0	0	.0
09...	0	0	0	20	10	40	6.0	.00	0	0	0	--

DATE	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)
JUN												
09...	.0	3	.00	.0	.000	.0	.0	0	.000	.0	.000	.0
09...	.0	0	.00	.0	.000	.0	.0	0	.000	.5	.000	.1

DATE	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN												
09...	.000	.0	.02	.0	.006	.2	.000	.001	.0	.00	.0	.000
09...	.000	.0	.02	.0	.006	.4	.000	.001	.1	.00	.0	.000

DATE	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN											
09...	.0	.002	.0	.000	.0	.00	.0	.00	.00	.0	.00
09...	.0	.002	.1	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN												
09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00
09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

291307089210400 TIGER PASS AT MILE 2.8, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOT- TOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
JUN												
09...	0950	870	8.1	10	25	--	40000	190	86	43	19	95
09...	0955	901	8.3	10	25	21	35000	190	80	42	20	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291307089210400 TIGER PASS AT MILE 2.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)
JUN												
09...	5.8	127	0	104	72	150	34	33	56400	3	<1.0	1.5
09...	5.8	134	0	110	72	160	43	39	44900	6	<1.0	1.5
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
JUN												
09...	.01	.05	.05	8.5	.95	.38	1.0	.43	6600	2.5	.24	.16
09...	.01	.05	.05	13	.64	.64	.69	.69	3400	2.2	.25	.17
DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
JUN												
09...	--	--	1	8	0	0	0	0	0	0	0	.64
09...	2	1	1	10	0	0	0	0	0	0	0	.42
DATE	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUN												
09...	20	0	10	0	4	4	<10	10	4	2	<10	40
09...	20	0	10	0	3	3	<10	10	6	4	<10	40
DATE	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN												
09...	40	0	440	--	--	.0	.0	11	7	4	20	--
09...	40	0	320	.0	.0	.0	.0	7	1	6	10	0
DATE	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
09...	--	0	0	10	10	40	3.6	.00	0	0	4	--
09...	0	0	0	10	0	40	--	.00	0	0	4	.0

DREDGING OPERATIONS STUDY--Continued

291307089210400 TIGER PASS AT MILE 2.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 09...	.0	0	.00	.0	.000	.0	.0	0	.000	.2	.000	.0
09...	.0	0	.00	.0	.000	.2	.0	4	.000	1.9	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 09...	.000	.0	.01	.0	.007	.3	.000	.001	.1	.00	.0	.000
09...	.000	.0	.00	.0	.010	.9	.000	.000	.3	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN 09...	.0	.002	.0	.000	.1	.00	.0	.00	.00	.0	.00
09...	.0	.000	.1	.000	.1	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00
09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.01	.00

291306089211200 UNNAMED POND 200 YARDS WEST OF TIGER PASS AT MILE 2.8, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA*MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
JUN 09...	0950	866	8.3	30	7	45	27000	230	4	56	21	80
09...	0955	805	8.3	40	3	45	30000	220	0	57	20	70

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)
JUN 09...	2.7	276	0	226	11	130	44	41	42600	8	<1.0	.00
09...	2.7	284	0	233	2.9	120	16	15	41400	0	<1.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291306089211200 UNNAMED POND 200 YARDS WEST OF TIGER PASS AT MILE 2.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
JUN 09...	.00	.19	.09	13	1.7	1.0	1.9	1.1	3400	1.9	.63	.14
09...	.00	.17	.02	6.3	3.0	.98	3.2	1.0	3800	3.2	.48	.14
DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
JUN 09...	4	1	3	9	0	0	0	0	0	0	0	1.17
09...	6	2	4	6	0	0	0	0	0	0	0	.72
DATE	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MATERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUN 09...	10	1	20	0	2	2	10	30	3	3	<10	3300
09...	<10	0	20	0	2	2	10	30	2	2	<10	3400
DATE	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN 09...	400	2900	380	.0	.0	.0	.3	10	7	3	<10	0
09...	100	3300	300	.0	.0	.0	.4	9	7	2	<10	0
DATE	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 09...	0	0	0	20	0	40	10	.00	0	0	0	.0
09...	0	0	0	10	10	40	9.7	.00	0	0	6	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
JUN 09...	.0	18	.00	.0	.000	.0	.0	9	.000	5.2	.000	1.3
09...	.0	84	.00	.0	.000	.0	.0	7	.000	5.6	.000	.0

DREDGING OPERATIONS STUDY--Continued

291306089211200 UNNAMED POND 200 YARDS WEST OF TIGER PASS AT MILE 2.8, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 09...	.000	.0	.01	.0	.000	.5	.000	.000	.0	.00	.0	.000
09...	.000	.2	.00	.0	.000	.5	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN 09...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
09...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00
09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.01	.00

291040089215500 TIGER PASS AT MILE 5.3, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
JUN 09...	0855	907	8.3	15	20	17	26000	190	85	43	20	95
09...	0900	913	8.3	10	20	19	18000	180	73	41	19	95

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (CO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)
JUN 09...	6.2	128	0	105	72	160	34	33	34200	1	<1.0	1.5
09...	11	130	0	107	72	160	21	22	26000	0	<1.0	1.5

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
JUN 09...	.01	.07	.07	14	.93	.93	1.0	1.0	3300	2.5	.22	.18
09...	.01	.08	.02	8.9	--	.63	--	.65	2300	--	.22	.17

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291040089215500 TIGER PASS AT MILE 5.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
JUN 09...	2	0	2	7	0	0	0	0	0	0	0	.39
09...	3	1	2	4	0	0	0	0	0	0	0	.47

DATE	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)
JUN 09...	10	1	<10	0	0	<10	10	4	4	<10	70
09...	<10	0	10	0	2	10	10	4	0	<10	70

DATE	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUN 09...	40	30	390	.3	.3	.0	.4	12	10	2	20	0
09...	60	10	350	.0	.0	.0	.3	6	6	0	10	0

DATE	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)
JUN 09...	0	0	0	20	20	40	4.6	.00	0	0	2	.0
09...	0	0	0	10	10	40	4.7	.00	0	0	5	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
JUN 09...	.0	28	.00	.0	.000	.0	.0	8	.000	3.0	.000	1.1
09...	.0	27	.00	.0	.000	.0	.0	7	.000	2.8	.000	1.2

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)
JUN 09...	.000	.0	.01	.0	.006	.6	.000	.001	.2	.00	.0	.000
09...	.000	.0	.01	.0	.006	.6	.000	.001	.1	.00	.0	.000

291040089215500 TIGER PASS AT MILE 5.3, NEAR VENICE, LA--Continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

[illegible]

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291044089220100 UNNAMED BAY 200 YARDS WEST NORTHWEST OF TIGER PASS AT MILE 5.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

	TOTAL CHROMIUM (CR)	DIS-SOLVED CHROMIUM (CR)	TOTAL CHROMIUM IN BOTTOM MATERIAL	HEXA-VALENT CHROMIUM (CR6)	TOTAL COPPER (CU)	DIS-SOLVED COPPER (CU)	TOTAL COPPER IN BOTTOM MATERIAL	DIS-SOLVED IRON (FE)	TOTAL LEAD (PB)	DIS-SOLVED LEAD (PB)	TOTAL LEAD IN BOTTOM MATERIAL	TOTAL MANGANESE (MN)
DATE	(UG/L)	(UG/L)	(UG/G)	(UG/L)	(UG/L)	(UG/L)	(UG/G)	(UG/L)	(UG/L)	(UG/L)	(UG/G)	(UG/L)
JUN 09...	20	0	20	0	7	7	<10	10	12	0	<10	60
09...	10	0	10	0	5	5	<10	10	2	2	<10	60
	SUS-PENDED MANGANESE (MN)	DIS-SOLVED MANGANESE (MN)	TOTAL MANGANESE IN BOTTOM MATERIAL	TOTAL MERCURY (HG)	SUS-PENDED MERCURY (HG)	DIS-SOLVED MERCURY (HG)	TOTAL MERCURY IN BOTTOM MATERIAL	TOTAL NICKEL (NI)	SUS-PENDED NICKEL (NI)	DIS-SOLVED NICKEL (NI)	TOTAL NICKEL IN BOTTOM MATERIAL	TOTAL SELENIUM (SE)
DATE	(UG/L)	(UG/L)	(UG/G)	(UG/L)	(UG/L)	(UG/L)	(UG/G)	(UG/L)	(UG/L)	(UG/L)	(UG/G)	(UG/L)
JUN 09...	50	10	120	.0	.0	.0	.0	22	20	2	10	0
09...	60	0	140	.0	.0	.0	.0	16	13	3	10	0
	SUS-PENDED SELENIUM (SE)	DIS-SOLVED SELENIUM (SE)	TOTAL SELENIUM IN BOTTOM MATERIAL	TOTAL ZINC (ZN)	DIS-SOLVED ZINC (ZN)	TOTAL ZINC IN BOTTOM MATERIAL	TOTAL ORGANIC CARBON (C)	CYANIDE (CN)	TOTAL CYANIDE IN BOTTOM MATERIAL	PHENOLS	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL
DATE	(UG/L)	(UG/L)	(UG/G)	(UG/L)	(UG/L)	(UG/G)	(MG/L)	(MG/L)	(UG/G)	(UG/L)	(MG/L)	(MG/KG)
JUN 09...	0	0	0	10	10	40	5.0	.00	0	0	3	.0
09...	0	0	0	10	10	40	4.2	.00	0	0	4	.0
	TOTAL PCB	PCB IN BOTTOM MATERIAL	POLY-CHLORINATED NAPHTHALENES	PCN TOTAL IN BOTTOM MATERIAL DRY WT.	TOTAL ALDRIN	ALDRIN IN BOTTOM MATERIAL	TOTAL CHLOR-DANE	CHLOR-DANE IN BOTTOM MATERIAL	TOTAL DDD	DDD IN BOTTOM MATERIAL	TOTAL DDE	DDE IN BOTTOM MATERIAL
DATE	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)
JUN 09...	.0	0	.00	.0	.000	.0	.0	0	.000	6.7	.000	4.4
09...	.0	23	.00	.0	.000	.0	.0	14	.000	3.9	.000	3.9
	TOTAL DDT	DDT IN BOTTOM MATERIAL	TOTAL DIAZINON	DIAZINON IN BOTTOM MATERIAL	TOTAL DIELDRIN	DIELDRIN IN BOTTOM MATERIAL	TOTAL ENDOSULFAN	TOTAL ENDRIN	ENDRIN IN BOTTOM MATERIAL	TOTAL ETHION	ETHION IN BOTTOM MATERIAL	TOTAL HEPTACHLOR
DATE	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)
JUN 09...	.000	.0	.01	.0	.006	2.4	.000	.001	.0	.00	.0	.000
09...	.000	.0	.01	.0	.004	1.3	.000	.000	.0	.00	.0	.000
	HEPTACHLOR IN BOTTOM MATERIAL	TOTAL HEPTACHLOR EPOXIDE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL	TOTAL LINDANE	LINDANE IN BOTTOM MATERIAL	TOTAL MALATHION	MALATHION IN BOTTOM MATERIAL	TOTAL METHOXYCHLOR	TOTAL METHYL PARATHION	METHYL PARATHION IN BOTTOM MATERIAL	TOTAL METHYL TRITHION	
DATE	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/L)	(UG/KG)	(UG/L)	
JUN 09...	.0	.002	.0	.000	1.6	.00	.0	.00	.00	.0	.00	
09...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00	

DREDGING OPERATIONS STUDY--Continued

291044089220100 UNNAMED BAY 200 YARDS WEST NORTHWEST OF TIGER PASS AT MILE 5.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN												
09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.01	.01	.00
09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.02	.01

290912089234600 TIGER PASS AT MILE 7.4, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
JUN												
09...	0745	9450	8.7	10	20	47000	1000	890	87	200	1700	60
09...	0750	9290	8.7	10	20	50000	1000	890	88	200	1700	66

DATE	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUN												
09...	118	10	113	430	3000	33	29	75900	5	<1.0	.24	.01
09...	110	13	112	440	2900	21	23	79300	9	<1.0	.25	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
JUN												
09...	.19	.01	12	1.6	.77	1.8	.78	7400	2.1	.17	.01	1
09...	.19	.04	10	1.6	.74	1.8	.78	6800	2.1	.15	.02	1

DATE	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
JUN												
09...	0	1	6	0	0	0	0	0	0	0	.77	20
09...	0	1	13	0	0	0	0	0	0	0	.50	20

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUN											
09...	0	20	0	0	--	10	10	3	3	<10	120
09...	5	<10	0	6	3	10	30	3	3	10	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290912089234600 TIGER PASS AT MILE 7.4, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUN 09...	120	0	520	.1	.1	.0	.7	4	2	2	<10	0
09...	10	0	1900	.0	.0	.0	.5	4	0	4	30	0
DATE	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 09...	0	0	0	40	10	40	7.7	.00	0	0	4	.0
09...	0	0	0	30	30	30	6.1	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 09...	.0	0	.00	.0	.000	.0	.0	4	.000	1.6	.000	.8
09...	.0	3	.00	.0	.000	.0	.0	2	.000	.7	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 09...	.000	.0	.01	.0	.003	.3	.000	.000	.0	.00	.0	.000
09...	.000	.2	.02	.0	.003	.6	.000	.000	.0	.00	.0	.000
DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
JUN 09...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00	
09...	.0	.001	.0	.000	.0	.00	.0	.00	.00	.0	.00	
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS (UG/KG)	MIREX IN BOT- TOM MA- TERIALS DRY SOLIDS	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00
09...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290810089254200 GULF OF MEXICO 2000 FEET SOUTHWEST OF TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	
MAR 01...	1300	18600	8.1	0	9	26000	1.6	<5	2	2200	2100	160	
DATE	TIME	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)
MAR 01...	440	3600	76	33	170	157	0	130	960	6700	17	15	
DATE	TIME	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)
MAR 01...	39100	1	<1.0	.35	.02	.37	.21	.16	14	.21	--	.51	
DATE	TIME	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
MAR 01...	--	.67	4500	--	--	.13	.13	0	0	7	6	5	
DATE	TIME	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)
MAR 01...	<10	0	0	.42	40	8	<10	0	3	3	10	10	
DATE	TIME	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)
MAR 01...	3	0	<10	60	30	380	.0	.0	.0	0	0		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290810089254200 GULF OF MEXICO 2000 FEET SOUTHWEST OF TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	<10	0	0	0	10	10	40	3.8	.00	0	2	1
DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	0	.00	.0	.00	.0	.0	0	.00	1.9	.00
DATE	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)
MAR 01...	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
DATE	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRITHION (UG/L)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRIETHION (UG/L)	TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.05	.03	.00	1.37	2.22

290830089253000 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
MAR 01...	1230	20400	8.1	5	10	42000	3.9	<5	1	2400	2300	170

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290830089253000 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)
MAR 01...	490	3900	76	34	180	156	0	130	1000	7300	18	20
DATE	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)
MAR 01...	64700	2	<1.0	.29	.01	.30	.14	.12	38	.15	.42	.44
DATE	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
MAR 01...	.56	.56	6500	.86	3.8	.12	.08	0	0	18	6	6
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 01...	<10	0	0	.31	40	8	<10	0	4	4	10	90
DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 01...	2	0	<10	50	40	650	.0	.0	.3	4	4	0
DATE	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	<10	0	0	0	20	10	50	3.1	.00	0	2	4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290830089253000 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL UDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	0	.00	.0	.00	.0	.0	0	.00	.5	.00

DATE	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
MAR 01...	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL THION (UG/L)	METHYL THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.06	.03	.00	.776	1.09

290854089255700 GULF OF MEXICO 2000 FEET NORTHWEST OF TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	FECAL STREPTOCOCCI (COL. PER 100 ML)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
MAR 01...	1200	23000	8.1	0	15	31000	3.1	<5	1	2900	2800	220

DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)
MAR 01...	580	4400	75	35	210	159	0	130	1100	8400	26	25

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290854089255700 GULF OF MEXICO 2000 FEET NORTHWEST OF TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
MAR 01...	44600	1	<1.0	.25	.02	.27	.12	.08	49	.10	.50	.62
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAR 01...	4000	.89	3.9	.12	.11	0	0	12	7	7	<10	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 01...	0	1.2	30	10	<10	0	6	6	10	180	8	8
DATE	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 01...	<10	70	30	40	580	.0	.0	.0	.0	4	1	3
DATE	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	<10	0	0	0	20	10	50	2.7	.00	0	2	1
DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	17	.00	.0	.00	.0	.0	0	.00	2.8	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290854089255700 GULF OF MEXICO 2000 FEET NORTHWEST OF TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	UDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.04	.02	.00	1.51	.029

290854089264200 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
MAR 01...	1045	16100	8.0	5	8	39000	1.9	<5	53	1900	1800	140

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)
MAR 01...	380	3100	76	31	140	136	0	110	810	5700	17	17

DATE	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)
MAR 01...	58000	0	<1.0	.21	.02	.23	.10	.10	8.5	.13	.38	.38

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290854089264200 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
MAR 01...	.48	.48	5800	.71	3.1	.12	.08	0	0	14	3	3
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 01...	<10	0	0	.33	40	7	<10	0	3	3	10	10
DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 01...	2	0	<10	40	10	300	.0	.0	.0	5	2	3
DATE	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	10	0	0	0	10	0	50	2.9	.00	0	0	2
DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	.0	.00	.0	.00	.0	.0	0	.00	.0	.00
DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAR 01...	.0	.00	.0	.05	.0	.00	.0	.00	.0	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290854089264200 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.06	.03	.00	1.72	--

290830089264200 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA, MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
MAR 01...	1115	16700	8.1	5	8	43000	1.4	<5	9	2000	1800	140

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)
MAR 01...	390	3200	76	32	170	141	0	120	870	5800	20	20

DATE	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)
MAR 01...	56600	1	<1.0	.21	.02	.23	.11	.04	9.5	.05	.44	--

DATE	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAR 01...	.48	5400	.13	.09	0	0	0	13	5	5	<10	0

DREDGING OPERATIONS STUDY--Continued

290830089264200 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CH) (UG/L)	DIS- SOLVED CHRO- MIUM (CH) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 01...	0	0	.45	30	24	6	<10	0	2	2	10	10
DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 01...	3	0	<10	50	40	10	300	.0	.0	.3	2	0
DATE	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)
MAR 01...	<10	0	0	0	0	10	10	0	50	3.0	.00	0
DATE	PHENOLS (UG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)
MAR 01...	3	.0	.0	18	.00	.0	.00	.0	.0	0	.00	2.0
DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
MAR 01... APR	.00	.4	.00	.0	.01	.0	.00	.0	.00	.0	.00	.0
DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 01...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 01...	.00	.0	.0	0	0	.00	.0	.04	.02	.00	1.37	2.22

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290818089264200 GULF OF MEXICO 2000 FEET SOUTH OF TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	
MAR 01...	1130	15400	8.1	0	8	38000	1.5	<5	10	1800	1700	130	
DATE	TIME	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)
MAR 01...	360	3000	77	31	140	148	0	120	750	5000	11	15	
DATE	TIME	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)
MAR 01...	53300	3	<1.0	.28	.02	.30	.12	.07	18	.09	.46	.46	
DATE	TIME	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)
MAR 01...	.58	.53	5900	.83	3.7	.11	.08	0	0	3	6	6	
DATE	TIME	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)
MAR 01...	<10	0	0	.69	30	9	<10	0	1	1	<10	10	
DATE	TIME	TOTAL LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)
MAR 01...	2	0	<10	50	10	300	.0	.0	.3	9	6	3	

DREDGING OPERATIONS STUDY--Continued

290818089264200 GULF OF MEXICO 2000 FEET SOUTH OF TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	<10	0	0	0	20	10	50	4.5	.00	0	3	1
DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	0	.00	.0	.00	.0	.0	0	.00	2.2	.00
DATE	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
MAR 01...	.0	.00	.0	.04	.0	.00	.0	.00	.0	.00	.0	.00
DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.06	.03	.00	.934	1.40

290818089274800 GULF OF MEXICO 2000 FEET SOUTHEAST OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	FECAL STREPTOCOCCI (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
MAR 01...	1015	14900	8.1	5	10	10000	1.9	<1	B10	470	360	130

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290818089274800 GULF OF MEXICO 2000 FEET SOUTHEAST OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MAG-NE-SIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	DIS-SOLVED PG-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)
MAR 01...	35	2900	89	58	230	132	0	110	740	5200	18	24
DATE	LOSS ON IGNI-TION IN BOT-TO-M MA-TERIAL (MG/KG)	VOL. FILT-RABLE RESIDUE (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN IN BOT-TO-M MA-T. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)
MAR 01...	60100	2	<1.0	.28	.02	.30	.13	.08	19	.10	.42	.42
DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOT-TO-M MA-T. (MG/KG)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)
MAR 01...	.55	.50	5300	.84	3.7	.13	.08	0	0	13	5	5
DATE	TOTAL BERYL-LIUM IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM IN BOT-TO-M MA-TERIAL (UG/G)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOT-TO-M MA-TERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)
MAR 01...	<10	0	0	.69	40	8	<10	0	7	7	10	10
DATE	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MANGA-NESE IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)
MAR 01...	2	0	<10	40	10	280	.0	.0	.3	4	0	4
DATE	TOTAL NICKEL IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT-TO-M MA-TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT-TO-M MA-TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	10	0	0	0	10	0	40	4.5	.00	0	1	1

DREDGING OPERATIONS STUDY--Continued

290818089274800 GULF OF MEXICO 2000 FEET SOUTHEAST OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	0	.00	.0	.00	.0	.0	0	.00	.0	.00
DATE	UDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
MAR 01...	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00	.0	.00
DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL THION (UG/L)	METHYL THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.06	.04	.00	.733	.000

290854089275400 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA,MG)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	
			(UNITS)										
MAR 01...	0900	8600	8.1	5	10	39000	3.3	816	2	1100	990	110	
DATE		DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)
		(MG/L)	(MG/L)										
MAR 01...	200	1600	75	21	60	127	0	100	430	2700	22	16	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290854089275400 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)
MAR 01...	59300	2	<1.0	.36	.02	.38	.22	.16	8.5	.21	.39	.34
DATE	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
MAR 01...	.61	.50	5900	.99	4.4	.14	.09	1	0	12	4	4
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 01...	<10	0	0	.70	11	11	<10	0	4	4	20	10
DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 01...	4	1	<10	40	0	300	.0	.0	.3	33	23	10
DATE	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	<10	0	0	0	10	0	50	3.4	.00	0	1	1
DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	0	.00	.0	.00	.0	.0	0	.00	.0	.00

DREDGING OPERATIONS STUDY--Continued

290854089275400 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	UDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAR 01...	.0	.00	.0	.04	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.09	.04	.00	1.59	--

290830089275400 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
MAR 01...	0945	22300	8.1	0	10	47000	1.7	B8	<1	2700	2600	190

DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)
MAR 01...	550	4300	75	36	250	130	0	110	1000	8100	25	19

DATE	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)
MAR 01...	58300	0	<1.0	.27	.02	.29	.20	.14	12	.18	.31	.30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290830089275400 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
MAR 01...	.51	.44	7700	.80	3.5	.13	.08	0	0	10	6	5
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 01...	<10	0	0	.0	40	9	<10	0	1	1	10	20
DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 01...	2	0	<10	50	10	200	.0	.0	.3	5	0	5
DATE	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
MAR 01...	10	0	0	0	10	10	30	3.0	.00	0	1	1
DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
MAR 01...	.0	.0	0	.00	.0	.00	.0	.0	0	.00	1.2	.00
DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAR 01...	.0	.00	.0	.03	.0	.00	.0	.00	.0	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290830089275400 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 01...	.0	.00	.0	0	0	.00	.0	.10	.03	.00	.024	.003

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290810089254200 GULF OF MEXICO 2000 FEET SOUTHWEST OF TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1420	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	.0	.00

290830089253000 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1410	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290854089255700 GULF OF MEXICO 2000 FEET NORTHWEST OF TIGER PASS CHANNEL AT MILE 9.3, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1400	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	.0	.00

290854089264200 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1330	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290830089264200 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1340	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	0	.00

290818089264200 GULF OF MEXICO 2000 FEET SOUTH OF TIGER PASS CHANNEL AT MILE 10.5, NEAR VENICE, LA

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1350	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290818089274800 GULF OF MEXICO 2000 FEET SOUTHEAST OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1320	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	0	.00

290854089275400 GULF OF MEXICO 2000 FEET NORTH OF TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1300	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290830089275400 GULF OF MEXICO IN TIGER PASS CHANNEL AT MILE 11.7, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
APR 28...	1310	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 28...	.01	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)
APR 28...	.00	.00	.00	.00	.00	.00	0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292306089361200 BAYOU LONG AT MILE 0.5, AT VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 06...	1110	2050	7.5	5	75	72000	260	190	40	39	300	70
DATE	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
APR 06...	8.1	15	90	0	74	110	550	110	95	72000	9	1.2
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
APR 06...	.01	1.2	.05	.06	46	.08	.95	.48	1.0	.46	.54	6900
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)
APR 06...	2.2	9.7	.22	.09	3	2	1	12	0	0	0	<10
DATE	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)
APR 06...	0	0	0	.58	10	10	0	20	0	10	3	7
DATE	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)
APR 06...	<10	20	6	6	0	<10	180	140	40	330	.0	.0

DREDGING OPERATIONS STUDY--Continued

292306089361200 BAYOU LONG AT MILE 0.5, AT VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
APR 06...	.0	9	1	<10	0	0	0	30	10	20	50	4.6
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)
APR 06...	.00	0	0	2	.0	.0	51	.00	.0	.000	.0	.0
DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
APR 06...	8	.000	12	.000	2.1	.000	.0	.0	.000	.0	.000	.000
DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
APR 06...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0
DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 06...	.00	.0	.0	.00	0	0	.0	.03	.01	.01	.246	.065

292109089353900 BAYOU LONG AT MILE 2.7, NEAR TRIUMPH, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COU IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 06...	1050	22600	7.9	15	20	54000	2700	2600	190	540	4300	76
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
APR 06...	36	200	122	0	100	1100	7700	39	33	62500	0	.26

DREDGING OPERATIONS STUDY--Continued

292109089353900 BAYOU LONG AT MILE 2.7, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
APR 06...	.03	.29	.11	.06	25	.08	.99	.50	1.1	.54	.56	6200
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
APR 06...	1.4	6.2	.08	.02	1	0	9	0	0	<10	0	0
DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
APR 06...	.30	10	0	20	0	3	3	<10	30	3	0	<10
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
APR 06...	90	20	330	.0	.0	.0	5	1	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	20	10	10	30	7.8	.00	0	0	2	.0	.0	0
DATE	POLY- CHLOR- INATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	.00	.0	.000	.0	.0	0	.000	.4	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
APR 06...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292109089353900 BAYOU LONG AT MILE 2.7, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
APR 06...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 06...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.300	.123

291901089361800 BAYOU LONG AT MILE 5.1, NEAR TRIUMPH, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COU IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 06...	1020	41800	7.8	15	20	60000	1800	1700	340	240	9500	90

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
APR 06...	96	380	139	0	110	2200	15000	51	45	70000	2	.13

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
APR 06...	.02	.15	.11	.12	15	.15	.52	.43	.63	.08	.55	6300

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
APR 06...	.78	3.5	.08	.04	2	0	10	0	0	<10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291901089361800 BAYOU LONG AT MILE 5.1, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
APR 06...	.36	30	1	20	0	5	3	<10	120	3	0	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
APR 06...	90	50	330	.0	.0	.0	6	0	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	30	0	30	30	4.5	.00	0	0	2	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
APR 06...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
APR 06...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291901089361800 BAYOU LONG AT MILE 5.1, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 06...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	2.34	.030

291745089355400 BAYOU LONG AT MILE 6.8, NEAR TRIUMPH, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS HARD- (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 06...	1000	49100	7.8	10	65	35000	6600	6500	480	1300	12000	79

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
APR 06...	65	460	110	0	90	2800	24000	126	134	49400	13	.08

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
APR 06...	.02	.10	.23	.16	10	.21	.47	.17	.70	.37	.33	3900

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
APR 06...	.80	3.5	.12	.04	2	0	9	0	0	<10	0	0

DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
APR 06...	.22	40	0	20	0	5	4	<10	20	4	0	<10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291745089355400 BAYOU LONG AT MILE 6.8, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MANGANESE (MN) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUS- PENDED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MA- TERIAL (UG/G)
APR 06...	170	60	400	.6	.4	.0	5	1	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	40	10	30	30	5.4	.00	0	0	0	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	.00	.0	.000	.0	.0	0	.000	.3	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
APR 06...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- CY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
APR 06...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 06...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00	.280	.020

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291454089363000 BAYOU LONG AT MILE 10.3, NEAR TRIUMPH, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
APR 06...	0940	37000	58000	5.9	4800	11	<10	.21	20	<10	<10	500

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)
APR 06...	.3	<10	0	30	0	.0	.0	.00	.000	.0	.000

DATE	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)
APR 06...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00

DATE	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
APR 06...	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00

291437089361200 GULF OF MEXICO 300 YARDS EAST OF BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 06...	0845	48700	7.8	5	10	4600	6400	6300	420	1300	12000	79

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
APR 06...	65	450	152	0	120	2700	20000	41	37	10900	6	.12

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291437089361200 GULF OF MEXICO 300 YARDS EAST OF BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	
APR 06...		.02	.14	.21	.17	2.4	.22	.16	.09	.37	.11	.26	800
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	
APR 06...	.51	2.3	.12	.04	1	1	3	0	0	<10	0	0	
DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	
APR 06...	.16	30	2	<10	0	3	2	<10	20	0	0	<10	
DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	
APR 06...	70	50	100	.2	.2	.0	2	1	<10	0	0	0	
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	
APR 06...	40	0	40	20	3.4	.00	0	2	2	.0	.0	0	
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	
APR 06...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291437089361200 GULF OF MEXICO 300 YARDS EAST OF BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
APR 06...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
APR 06...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2+4-D (UG/L)	TOTAL 2+4+5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
APR 06...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.150	.000

291440089363200 GULF OF MEXICO IN BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 06...	0920	49000	7.9	10	10	2500	2300	2100	440	280	12000	90

DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHORUS (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
APR 06...	110	450	150	0	120	2800	20000	39	36	9070	3	.06

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOTTOM MAT. (MG/KG)
APR 06...	.02	.08	.19	.19	5.9	.24	.28	.10	.47	.18	.29	400

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291440089363200 GULF OF MEXICO IN BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
APR 06...	.55	2.4	.06	.04	1	0	2	0	0	<10	0	0
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
APR 06...	.02	30	1	<10	0	2	2	<10	30	5	0	<10
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)
APR 06...	120	60	50	.4	.4	.0	2	1	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
APR 06...	30	0	30	20	2.6	.00	0	0	0	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
APR 06...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)
APR 06...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291440089363200 GULF OF MEXICO IN BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
APR 06...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 06...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.079	.002

291443089365200 GULF OF MEXICO 300 YARDS WEST OF BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COU IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
APR 06...	0900	49300	7.9	5	10	2300	6500	6300	440	1300	12000	79

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
APR 06...	65	450	152	0	120	2800	20000	29	35	9790	3	.08

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
APR 06...	.02	.10	.17	.17	1.8	.22	.19	.00	.36	.19	.17	330

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
APR 06...	.46	2.0	.07	.04	1	1	2	0	0	<10	0	0

DREDGING OPERATIONS STUDY--Continued

291443089365200 GULF OF MEXICO 300 YARDS WEST OF BAYOU LONG CHANNEL AT MILE 10.6, NEAR TRIUMPH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
APR 06...	.01	40	1	<10	0	3	2	<10	20	6	0	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
APR 06...	100	70	55	.2	.2	.0	2	1	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	30	0	30	20	3.3	.00	0	4	2	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
APR 06...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
APR 06...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
APR 06...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 06...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.200	.006

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

295434090085200 BAYOU SEGNETTE WATERWAY AT MILE 12.2, AT WESTWEGO, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1040	1940	7.5	45	15	170000	270	32	65	27	290	69
29...	1415	1840	7.5	40	25	230000	270	32	66	26	270	67
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
JUN 29...	7.6	11	294	0	240	120	380	20	28	167000	4	<1.0
29...	7.1	12	292	0	240	120	370	46	42	145000	11	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)
JUN 29...	.00	.00	.00	8.8	7.9	710	10	3.2	2.1	12	2.0	10
29...	.00	.01	.01	9.5	9.1	510	12	1.5	.80	11	1.1	9.9
DATE	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)
JUN 29...	13000	12	53	4.1	3.5	14	9	18	0	0	0	0
29...	12000	11	49	4.5	3.7	13	11	26	0	0	0	0
DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
JUN 29...	0	3.64	3	10	0	3	3	40	10	0	0	40
29...	0	2.99	6	10	0	6	4	20	30	7	0	20
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)
JUN 29...	170	50	130	.0	.0	.6	10	3	<10	0	0	0
29...	310	200	160	.0	.0	.5	12	2	<10	0	0	0

DREDGING OPERATIONS STUDY--Continued

295434090085200 BAYOU SEGNETTE WATERWAY AT MILE 12.2, AT WESTWEGO, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZIN) (UG/L)	SUSPENDED ZINC (ZIN) (UG/L)	DIS-SOLVED ZINC (ZIN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)
JUN 29...	0	20	20	0	170	4.9	.00	0	0	0	.0	.0
29...	0	40	10	30	120	5.9	.00	0	2	2	.0	.0

DATE	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
JUN 29...	1000	.00	.0	.000	.0	.0	560	.000	37	.000	.0
29...	0	.00	.0	.000	.0	.2	0	.003	1.2	.020	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL D-IZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
JUN 29...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
29...	.000	.0	.67	.0	.000	.0	.000	.000	.0	.00	.0	.005

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)
JUN 29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.0	.00	.00	.0	0	0	.00	.0	1.2	.00	.00
29...	.0	.00	.00	.0	0	0	.00	.0	1.9	.00	.00

295234090092200 BAYOU SEGNETTE WATERWAY AT MILE 10.0, NEAR WESTWEGO, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1105	4000	7.4	50	15	260000	460	330	72	67	650	75
29...	1345	3930	7.6	50	10	280000	460	330	71	68	580	72

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

295234090092200 BAYOU SEGNETTE WATERWAY AT MILE 10.0, NEAR WESTWEGO, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
JUN												
29...	13	21	151	0	120	150	1100	35	31	144000	14	<1.0
29...	12	29	153	0	130	150	1100	29	20	194000	12	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
JUN												
29...	.52	.10	.62	.31	.19	32	.24	1.8	1.9	2.1	.00	2.1
29...	.43	.10	.53	.12	.08	101	.10	4.4	1.6	4.5	2.8	1.7
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
JUN												
29...	23000	2.7	12	1.5	1.2	8	6	10	0	0	0	0
29...	24000	5.0	22	1.4	2.9	7	5	15	0	0	0	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
JUN												
29...	0	.67	<10	0	10	0	4	10	10	2	2	0
29...	0	.67	10	5	20	0	0	10	20	2	2	0
DATE	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)
JUN												
29...	<10	180	10	240	.0	.0	.0	8	3	<10	0	0
29...	<10	150	30	240	.0	.0	.0	9	5	<10	0	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
29...	0	0	10	0	10	40	9.1	.00	0	0	0	.0
29...	0	0	10	0	10	40	7.1	.00	0	1	2	.0

DREDGING OPERATIONS STUDY--Continued

295234090092200 BAYOU SEGNETTE WATERWAY AT MILE 10.0, NEAR WESTWEGO, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 29...	.0	79	.00	.0	.000	.0	.0	56	.000	4.9	.000	.0
29...	.0	74	.00	.0	.000	.0	.0	21	.000	4.0	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 29...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
29...	.000	.0	.02	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN 29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.0	.00	.00	.0	0	0	.00	.0	.03	.00	.00
29...	.0	.00	.00	.0	0	0	.00	.0	.05	.00	.00

294950090095200 BAYOU SEGNETTE WATERWAY AT MILE 6.4, NEAR WESTWEGO, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA*MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1130	5040	7.4	55	15	240000	560	440	74	90	850	76
29...	1325	5610	7.4	40	15	260000	590	490	73	100	1000	77

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
JUN 29...	16	28	142	0	120	200	1400	22	19	229000	9	<1.0
29...	18	32	124	0	100	230	1700	23	19	234000	7	<1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294950090095200 BAYOU SEGNETTE WATERWAY AT MILE 6.4, NEAR WESTWEGO, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
JUN 29...	.07	.02	.09	.21	.13	33	.17	1.8	1.6	2.0	.30	1.7
29...	.00	.00	.00	.13	.13	25	.17	1.7	1.5	1.8	.20	1.6
	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
JUN 29...	26000	2.1	9.3	1.1	.93	8	6	15	0	0	0	0
29...	26000	1.8	8.0	.81	.63	6	6	11	0	0	0	0
	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
JUN 29...	0	.43	3	10	0	3	3	<10	20	0	0	<10
29...	0	.32	4	20	0	3	3	<10	20	2	2	20
	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)
JUN 29...	220	10	240	.0	.0	.3	8	3	<10	0	0	0
29...	200	20	260	.0	.0	.0	10	4	<10	0	0	0
	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)
JUN 29...	0	20	10	10	20	6.1	.00	0	0	3	.0	.0
29...	0	20	0	20	20	5.0	.00	0	0	0	.0	.0
	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD IN BOTTOM MA- TERIAL (UG/G)	DDD IN BOTTOM MA- TERIAL (UG/L)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	
JUN 29...	11	.00	.0	.000	1.8	.0	33	.000	5.7	.000	.8	
29...	98	.00	.0	.000	1.0	.0	54	.000	6.4	.000	.0	

DREDGING OPERATIONS STUDY--Continued

294950090095200 BAYOU SEGNETTE WATERWAY AT MILE 6.4, NEAR WESTWEGO, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 29...	.000	.0	.01	.0	.000	.0	.000	.000	.0	.00	.0	.000
29...	.000	.0	.02	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN 29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.0	.00	.00	.0	0	0	.00	.0	.30	.03	.03
29...	.0	.00	.00	.0	0	0	.00	.0	.31	.02	.03

294738090090800 BAYOU SEGNETTE WATERWAY AT MILE 3.4, NEAR CROWN POINT, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1152	6290	7.4	50	10	280000	680	590	73	120	1100	77
29...	1305	6330	7.6	30	10	340000	720	620	72	130	1100	76

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
JUN 29...	18	36	106	0	87	250	1900	19	13	327000	8	<1.0
29...	18	38	110	0	90	250	2000	15	12	300000	7	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
JUN 29...	.00	.00	.00	.04	.04	32	.05	1.9	1.9	1.9	.00	1.9
29...	.00	.00	.00	.02	.02	99	.03	2.6	1.3	2.6	1.3	1.3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294738090090800 BAYOU SEGNETTE WATERWAY AT MILE 3.4, NEAR CROWN POINT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
JUN 29...	39000	1.9	8.4	.48	.39	6	4	10	0	0	0	0
29...	26000	2.6	12	.48	.37	5	5	8	0	0	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
JUN 29...	0	1.22	<10	5	<10	0	6	<10	10	2	2	0
29...	0	.44	<10	3	<10	0	0	<10	20	2	0	2

DATE	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)
JUN 29...	10	120	10	170	.0	.0	.0	7	3	<10	0	0
29...	<10	130	10	180	.0	.0	1.5	7	2	<10	0	0

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 29...	0	0	30	0	30	20	5.7	.00	0	0	5	.0
29...	0	0	20	0	20	10	4.6	.00	0	0	1	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 29...	.0	0	.00	.0	.000	.0	.0	19	.000	6.5	.000	.9
29...	.0	38	.00	.0	.000	.6	.0	10	.000	6.4	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 29...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
29...	.000	.0	.02	.0	.000	.0	.000	.000	.0	.00	.0	.000

DREDGING OPERATIONS STUDY--Continued

294738090090800 BAYOU SEGNETTE WATERWAY AT MILE 3.4, NEAR CROWN POINT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN 29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.0	.00	.00	.0	0	0	.00	.0	.26	.00	.03
29...	.0	.00	.00	.0	0	0	.00	.0	.23	.00	.03

294428090082800 BAYOU SEGNETTE WATERWAY AT MILE 0.0, AT BARATARIA, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 29...	1217	6690	7.6	30	15	130000	750	680	70	140	1200	76
29...	1245	6700	7.4	30	50	63000	710	640	69	130	1100	76

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
JUN 29...	19	42	90	0	74	270	1900	21	15	102000	8	<1.0
29...	18	40	88	0	72	270	2000	88	94	84500	11	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
JUN 29...	.09	.01	.10	.08	.02	20	.03	--	1.7	--	--	1.7
29...	.09	.01	.10	.07	.01	26	.01	1.3	.09	1.4	1.3	.10

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
JUN 29...	9200	--	--	.13	.06	3	3	17	0	0	0	0
29...	5300	1.5	6.6	.12	.08	3	2	7	0	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294428090082800 BAYOU SEGETTE WATERWAY AT MILE 0.0, AT BARATARIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
JUN 29...	0	.25	<10	2	80	0	3	3	10	30	3	0
29...	0	.72	10	6	<10	0	5	3	10	10	4	0
DATE	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
JUN 29...	<10	60	10	920	.0	.0	.6	5	3	<10	0	0
29...	<10	130	10	240	.0	.0	.0	12	3	<10	0	0
DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 29...	0	0	10	0	10	20	--	.00	0	1	--	--
29...	0	0	20	0	20	20	--	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLORINATED NAPHTHA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUN 29...	.0	67	.00	.0	.000	.0	.0	3	.000	4.0	.000	.7
29...	.0	0	.00	.0	.000	.0	.0	1	.000	1.3	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUN 29...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
29...	.000	.0	.01	.0	.000	.0	.000	.000	.0	.00	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294428090082800 BAYOU SEGNETTE WATERWAY AT MILE 0.0, AT BARATARIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUN											
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
29...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN											
29...	.0	.00	.00	.0	0	0	.00	.0	.08	.00	.04
29...	.0	.00	.00	.0	0	0	.00	.0	.03	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294438090081500 BAYOU BARATARIA AT MILE 35.0, AT BARATARIA, LA (CE 82750)

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COD IN BOTTOM MA-TERIAL (MG/KG)	LOSS ON IGNITION IN BOTTOM MA-TERIAL (MG/KG)	TOTAL AMMONIA NITRO-GEN IN BOTTOM MA-T. (MG/KG)	TOTAL KJEL. NITRO-GEN IN BOTTOM MA-T. (MG/KG)	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL BERYLLIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/G)
JUN 30...	1100	110000	31800	12	12000	13	0	.38	10	<10	<10	250
30...	1115	96000	21500	8.6	9800	8	0	.37	10	<10	<10	200

DATE	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA-TERIAL (UG/G)	OIL AND GREASE IN BOTTOM MA-TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA-TERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MA-T. DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)
JUN 30...	.0	<10	0	70	0	.0	.0	0	.00	.0	.000	.0
30...	.0	<10	0	60	0	.0	.0	6	.00	.0	.000	.0

DATE	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MA-TERIAL (UG/KG)
JUN 30...	.0	0	.000	.7	.000	.3	.000	.0	.00	.0	.000	.0
30...	.0	0	.000	1.5	.000	.4	.000	.0	.00	.0	.000	.0

DATE	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)
JUN 30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MA-TERIALS (UG/KG DRY SOLIDS)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MA-TERIAL (UG/KG)
JUN 30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 30...	.0	0	.00	.0	.06	.00	.01
30...	.0	0	.00	.0	.00	.00	.00

DREDGING OPERATIONS STUDY--Continued

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUN												
30...	1245	64000	23000	7.6	7400	13	0	.27	<10	30	<10	280
30...	1300	46000	25200	7.0	4600	9	0	.21	<10	<10	<10	220

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUN												
30...	.0	<10	0	40	0	.0	.0	0	.00	.0	.000	.0
30...	.0	<10	0	60	0	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUN												
30...	.0	0	.000	.6	.000	.0	.000	.0	.00	.0	.000	.0
30...	.0	0	.000	.4	.000	.0	.000	.0	.00	.0	.000	.0

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)
JUN											
30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUN											
30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN							
30...	.0	0	.00	.0	.00	.00	.00
30...	.0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292728089592900 BARATARIA BAY WATERWAY AT MILE 15.0, NEAR GRAND ISLE, LA (CE 82897)

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUN												
30...	1410	12000	18400	5.1	1300	6	0	.28	<10	<10	<10	300
30...	1425	16000	14300	8.8	1100	7	0	.32	<10	<10	<10	300

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUN												
30...	.0	<10	0	50	0	.0	.0	0	.00	.0	.000	.0
30...	.0	<10	0	50	0	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUN												
30...	.0	0	.000	.4	.000	.0	.000	.0	.00	.0	.000	.0
30...	.0	0	.000	.0	.000	.0	.000	.0	.00	.0	.000	.0

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)
JUN											
30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUN											
30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN							
30...	.0	0	.00	.0	.00	.00	.00
30...	.0	0	.00	.0	.00	.01	.00

DREDGING OPERATIONS STUDY--Continued

291939089590400 BARATARIA BAY WATERWAY AT MILE 5.8, NEAR GRAND ISLE, LA (CE 82910)

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUN 30...	1510	80000	33500	6.0	9500	9	0	.40	10	30	<10	220
30...	1525	88000	36600	7.7	9500	21	0	.31	<10	<10	<10	250

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUN 30...	.0	<10	0	60	0	.0	.0	0	.00	.0	.000	.0
30...	.0	<10	0	60	0	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUN 30...	.0	0	.000	.4	.000	.0	.000	.0	.00	.0	.000	.0
30...	.0	0	.000	.0	.000	.0	.000	.0	.00	.0	.000	.0

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)
JUN 30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0
30...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUN 30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
30...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 30...	.0	0	.00	.0	.00	.00	.00
30...	.0	0	.00	.0	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291558089563000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE 0.0, AT GRAND ISLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	
MAR 24...	1305	33200	8.2	40000	4900	4700	350	970	9100	79	57	380	
DATE		BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAR 24...	145	0	0	120	2100	15000	81	93	46400	15	.01	.00	.01
DATE		DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)
MAR 24...	.12	19	.15	.19	.31	.00	.31	6200	.32	1.4	.04	.02	
DATE		TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)
MAR 24...	0	0	0	0	11	10	0	10	0	0	0	.19	40
DATE		DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
MAR 24...	0	10	0	27	8	<10	30	0	0	<10	70	20	
DATE		TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAR 24...	300	.0	.0	.0	2	0	<10	0	0	0	30	20	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291558089563000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE 0.0, AT GRAND ISLE, LA--Continued

DATE	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)
MAR 24...	20	5.4	.00	0	4	11	.0	.0	0	.00	.0	.000
DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)
MAR 24...	.0	.0	0	.000	.0	.000	.0	.000	.0	.0	.000	.0
DATE	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)
MAR 24...	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00
DATE	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
MAR 24...	.0	.0	.00	.0	.0	.00	.0	0	.0	.00	.00	.00

291543089552700 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA.MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)
MAR 24...	1140	32000	8.2	3000	4900	4700	350	970	9400	79	59	360
DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAR 24...	147	0	120	2400	16000	44	55	7630	13	.02	.00	.02

DREDGING OPERATIONS STUDY--Continued

291543089552700 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
MAR 24...	.07	.07	1.4	.09	.35	.33	.42	.40	410	.44	1.9	.06
DATE	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)
MAR 24...	.02	0	0	2	10	10	<10	0	0	.09	10	0
DATE	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)
MAR 24...	<10	0	0	0	<10	20	2	0	<10	80	20	80
DATE	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)
MAR 24...	.0	.0	.0	2	0	<10	0	0	0	20	20	10
DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)
MAR 24...	4.6	.00	0	0	1	.0	0	.00	.0	.000	.0	.0
DATE	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 24...	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.000

DREDGING OPERATIONS STUDY--Continued

291543089552700 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 24...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 24...	.00	.0	.0	.00	.0	0	.0	.00	.01	.00	4.02	2.90

291528089555000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
MAR 24...	1205	31600	8.3	60000	5000	4900	350	1000	9000	78	55	360

DATE	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINIT AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAR 24...	145	0	120	1900	15000	71	61	73700	8	.00	.01	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
MAR 24...	.14	.11	64	.14	.37	.26	.51	.14	.37	8800	.52	2.3

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)
MAR 24...	.05	.02	0	0	0	19	10	0	10	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291528089555000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)
MAR 24...	0	.30	30	30	0	10	0	1	1	0	<10	40
DATE	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)
MAR 24...	0	0	0	<10	60	40	20	420	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 24...	3	3	0	<10	0	0	0	0	30	20	30	2.7
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)
MAR 24...	.00	0	0	8	.0	.0	0	.00	.0	.000	.0	.0
DATE	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 24...	0	.000	1.0	.000	.0	.000	.0	.0	.000	.0	.000	.000
DATE	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)
MAR 24...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0

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291528089555000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 24...	.00	.0	.0	.00	.0	0	.0	.00	.01	.00	2.67	1.11

291510089561000 GULF OF MEXICO 700 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)
MAR 24...	1230	31500	8.3	1000	4900	4800	340	990	9300	79	58	370

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTRABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAR 24...	147	0	120	2100	15000	43	54	5280	18	.02	.00	.02

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUS-PENDED KJEL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
MAR 24...	.11	.11	1.0	.14	.30	.28	.41	.02	.39	280	.43	1.9

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)
MAR 24...	.04	.02	0	0	0	2	10	10	0	<10	0	0

[illegible]

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291510089561000 GULF OF MEXICO 700 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -0.9, AT GRAND ISLE, LA--Continued

DATE	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT- TOM MA- TERIAL (UG/G)
MAR 24...	3	3	0	<10	70	50	20	50	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOT- TOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 24...	2	2	0	<10	0	0	0	0	30	20	10	1.9
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)
MAR 24...	.00	0	0	0	.0	.0	0	.00	.0	.000	.0	.0
DATE	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 24...	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.000
DATE	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 24...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0
DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON SPECT. (UG/L)
MAR 24...	.00	.0	.0	.00	.0	0	.0	.04	.00	.00	2.81	1.04

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291518089545000 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	
MAR 24...	1040	31700	8.2	3000	4900	4700	360	960	9300	79	58	360	
DATE		BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)
MAR 24...	144	0	120	2300	15000	43	57	13700	9	.01	.00	.01	
DATE		DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJELDAHL NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)
MAR 24...	.05	1.3	.06	.39	.44	.00	.44	620	.45	2.0	.05	.02	
DATE		TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
MAR 24...	0	0	0	3	10	10	0	<10	0	0	0	.04	
DATE		TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
MAR 24...	20	20	0	<10	0	2	2	0	<10	20	0	0	
DATE		TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)
MAR 24...	<10	70	20	120	.0	.0	.0	0	0	<10	0	0	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291518089545000 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (Zn) (UG/L)	DIS- SOLVED ZINC (Zn) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 24...	0	30	10	20	3.8	.00	0	0	1	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATR'L DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
MAR 24...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
MAR 24...	.00	.0	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
MAR 24...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 24...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00	.000	.000

291505089552000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
MAR 24...	1105	31800	8.2	20000	4900	4800	370	960	9400	79	59	350

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291505089552000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	BICARBONATE (HC03) (MG/L)	CARBONATE (C03) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL- NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
MAR 24...	144	0	118	2300	16000	77	64	31100	11	.00	.02	.06
DATE	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)
MAR 24...	7.0	.08	.39	.45	2300	.05	.02	0	0	0	7	10
DATE	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	
MAR 24...	0	10	0	0	0	0	.11	20	20	0	10	
DATE	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)
MAR 24...	0	0	0	0	<10	30	0	0	0	<10	80	60
DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)
MAR 24...	20	210	.0	.0	.0	.0	0	0	0	<10	0	0
DATE	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 24...	0	30	20	20	3.2	.00	0	1	1	.0	.0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291505089552000 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
MAR 24...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)
MAR 24...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRIETHION (UG/L)	METHYL TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
MAR 24...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRIETHION (UG/L)	TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO. SPECT. (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO. SPECT. (UG/L)
MAR 24...	.00	.0	.00	.0	0	.00	.0	.00	.01	.00	.54	.585

291449089554300 GULF OF MEXICO 700 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)
MAR 24...	1125	32000	8.3	2000	4900	4800	350	980	9300	79	58	360
DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)
MAR 24...	148	0	120	2100	15000	68	57	8910	10	.01	.01	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291449089554300 GULF OF MEXICO 700 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUS-PENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
MAR 24...	.11	.11	2.2	.15	.30	.30	.41	.00	.41	440	.43	1.9
DATE	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)
MAR 24...	.05	.02	0	0	0	2	0	0	0	<10	0	0
DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)
MAR 24...	0	.12	30	30	0	<10	0	0	0	0	<10	20
DATE	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)
MAR 24...	3	3	0	<10	70	50	20	50	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 24...	3	1	2	<10	0	0	0	0	20	20	10	2.6
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)
MAR 24...	.00	0	0	0	.0	.0	0	.00	.0	.000	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291449089554300 GULF OF MEXICO 700 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -1.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 24...	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.000

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 24...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 24...	.00	.0	.0	.00	.0	0	.0	.00	.01	.00	3.52	2.58

291449089542400 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
MAR 24...	1010	31200	8.3	3000	4900	4800	350	980	9200	79	57	370

DATE	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAR 24...	152	0	120	1900	15000	53	49	9320	8	.00	.01	.01

DATE	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
MAR 24...	.11	.5	.14	.23	.34	.00	.34	520	.35	1.6	.05	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291449089542400 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
MAR 24...	0	0	0	3	10	0	10	<10	0	0	0	.06
DATE	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
MAR 24...	40	40	0	<10	0	2	0	2	<10	20	6	0
DATE	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)
MAR 24...	<10	60	20	60	.0	.0	.0	2	0	<10	0	0
DATE	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
MAR 24...	0	20	20	20	1.8	.00	0	0	0	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
MAR 24...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIIN (UG/L)	ENDRIIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
MAR 24...	.01	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291449089542400 GULF OF MEXICO 700 YARDS EAST OF BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
MAR 24...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 24...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00	.300	.000

291434089544500 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
MAR 24...	0940	31400	8.2	40000	4900	4800	330	1000	9000	78	56	350

DATE	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAR 24...	147	0	120	2100	15000	41	47	65000	16	.00	.01	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
MAR 24...	.09	.09	55	.12	.35	.35	.44	.00	.44	6500	.45	2.0

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)
MAR 24...	.05	.02	0	0	0	17	10	0	10	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291434089544500 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)
MAR 24...	0	.24	30	30	0	10	0	6	0	6	<10	20
DATE	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)
MAR 24...	0	0	0	<10	70	50	20	450	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 24...	4	3	1	<10	0	0	0	0	30	10	30	8.0
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)
MAR 24...	.00	0	0	4	.0	.0	0	.00	.0	.000	.0	.0
DATE	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 24...	0	.000	2.2	.000	.0	.000	.0	.0	.000	.0	.000	.000
DATE	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)
MAR 24...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291434089544500 GULF OF MEXICO IN BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 24...	.00	.0	.0	.00	.0	0	.0	.01	.01	.00	.180	.000

291419089551600 GULF OF MEXICO 700 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)
MAR 24...	0920	32300	8.3	3000	4900	4800	360	970	9200	79	57	350

DATE	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINIT AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAR 24...	144	0	120	2200	16000	57	67	10100	10	.01	.01	.02

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
MAR 24...	.15	.11	2.4	.14	.54	.41	.69	.17	.52	590	.71	3.1

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAR 24...	.05	.02	0	0	0	3	0	0	0	<10	6	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 24...	6	.07	20	20	0	<10	0	2	0	2	<10	20

DREDGING OPERATIONS STUDY--Continued

291419089551600 GULF OF MEXICO 700 YARDS WEST OF BARATARIA BAY WATERWAY AT MILE -2.5, NEAR GRAND ISLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)
MAR 24...	0	0	0	<10	90	70	20	100	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 24...	4	3	1	<10	0	0	0	0	30	20	20	5.4
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)
MAR 24...	.00	0	0	0	.0	.0	0	.00	.0	.000	.0	.0
DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 24...	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.000
DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- UXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 24...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0
DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2+4-D (UG/L)	TOTAL 2+4+5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON SPECT. (UG/L)
MAR 24...	.00	.0	.0	.00	.0	0	.0	.04	.01	.00	3.07	.758

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291143090371400 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE 7.4, NEAR COCODRIE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 16...	1100	19800	7.6	30	20	90000	2300	2200	190	450	3800	76
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAR 16...	34	180	118	0	97	950	7000	53	59	74900	0	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAR 16...	.11	.02	.13	.21	.04	35	.05	.64	.41	.85	.40	.45
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 16...	8300	.98	4.3	.10	.05	1	0	1	0	0	0	<10
DATE	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
MAR 16...	0	0	0	.27	20	20	0	20	0	6	3	3
DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)
MAR 16...	<10	20	0	0	0	<10	70	30	40	400	.1	.1
DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 16...	.0	.8	2	2	<10	0	0	0	30	20	40	6.1

DREDGING OPERATIONS STUDY--Continued

291143090371400 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE 7.4, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)
MAR 16...	.00	0	1	3	.0	.0	0	.00	.0	.000	.0	.0

DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 16...	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.00

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 16...	.0	.0	.000	.0	.00	.0	.000	.0	.0	.00	.0	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 16...	.00	.0	.0	.00	0	0	.0	.03	.00	.00	3.16	1.10

291131090371500 TERREBONNE BAY 500 YARDS SOUTHWEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE 7.4, NEAR COCODRIE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- OHMS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 16...	1125	19700	7.5	40	15	50000	2900	2800	230	560	4400	75

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAR 16...	36	220	117	0	96	1200	8700	47	56	54200	9	<1.0

DREDGING OPERATIONS STUDY--Continued

291131090371500 TERREBONNE BAY 500 YARDS SOUTHWEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE 7.4, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAR 16...	.08	.01	.09	.18	.05	13	.06	.55	.44	.73	.24	.49
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
MAR 16...	6000	.82	3.6	.09	.03	0	0	0	9	0	0	0
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)
MAR 16...	<10	0	0	0	.33	20	20	0	20	0	7	7
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
MAR 16...	0	<10	20	0	0	0	<10	70	40	30	250	.0
DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 16...	.0	.0	5	0	<10	0	0	0	30	0	40	5.7
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)
MAR 16...	.00	0	1	0	.0	.0	0	.00	.0	.000	.0	.0

DREDGING OPERATIONS STUDY--Continued

291131090371500 TERREBONNE BAY 500 YARDS SOUTHWEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE 7.4, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CHLOR-DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDU IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 16...	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.000

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 16...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 16...	.00	.0	.0	.00	0	0	.0	.00	.00	.00	1.14	.669

290907090354300 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE 3.8, NEAR COCODRIE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA*MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 16...	1030	40400	7.8	15	6	20000	5100	5000	400	1000	8500	77

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAR 16...	52	370	140	0	115	2100	15000	47	64	39300	5	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAR 16...	.01	.00	.01	.15	.07	11	.09	.35	.24	.50	.19	.31

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290907090354300 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE 3.8, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAR 16...	2800	.51	2.3	.07	.04	0	0	9	0	0	<10	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 16...	0	1.24	20	0	30	0	7	7	10	20	0	0

DATE	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)
MAR 16...	<10	50	40	300	.0	.0	.0	4	0	<10	0	0

DATE	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 16...	0	40	30	50	3.2	.00	0	0	0	.0	.0	0

DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
MAR 16...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000

DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)
MAR 16...	.0	.00	.0	.000	.0	.000	.0	.000	.0	.000	.0

DREDGING OPERATIONS STUDY--Continued

290907090354300 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE 3.8, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 16...	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
MAR 16...	.00	.0	.00	.0	0	0	.00	.0	.00	.00	.00

290900090360000 TERREBONNE BAY 500 YARDS WEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE 3.8, NEAR COCODRIE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 16...	1045	39300	7.9	10	4	20000	5000	4900	360	1000	9000	78

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAR 16...	55	400	141	0	116	2300	16000	108	98	19000	13	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAR 16...	.01	.00	.01	.14	.08	17	.10	.27	.22	.41	.11	.30

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAR 16...	2000	.42	1.9	.06	.03	0	0	5	0	0	<10	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290900090360000 TERREBONNE BAY 500 YARDS WEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE 3.8, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
MAR 16...	0	.07	20	0	50	0	2	0	<10	30	0	0
DATE	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)
MAR 16...	<10	40	30	180	.0	.0	.5	6	0	<10	0	0
DATE	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
MAR 16...	0	50	20	30	40	3.0	.00	0	1	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
MAR 16...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDORIN (UG/L)	ENDORIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
MAR 16...	.00	.0	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000
DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/L)	TOTAL LINDANE (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL-PARA-THION (UG/L)	METHYL-PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL-TRI-THION (UG/L)	METHYL-TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
MAR 16...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
MAR 16...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.778	.403

DREDGING OPERATIONS STUDY--Continued

290530090343000 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE -0.6, NEAR COCODRIE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
MAR 16...	0930	42800	8.3	5	5	20000	5600	5500	420	1100	9000	76	
DATE		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	
MAR 16...	52		400	148	0	120	2200	16000	83	89	36200	9	<1.0
DATE		TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAR 16...	.01		.00	.01	.13	.13	23	.17	.36	.12	.49	.24	.25
DATE		TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAR 16...	2900		.50	2.2	.07	.05	0	0	1	0	0	<10	0
DATE		DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 16...	0		<10	20	0	40	0	3	3	<10	20	0	0
DATE		TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)
MAR 16...	<10		40	40	300	.0	.0	.0	6	0	<10	0	0
DATE		TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 16...	0		40	30	50	2.7	.00	0	0	1	.0	.0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290530090343000 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE -0.6, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
MAR 16...	.00	.0	.0000	.0	.0	0	.0000	.0	.0000	.0	.0000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
MAR 16...	.00	.0	.0000	.0	.0000	.0000	.0	.0000	.0	.0000	.0	.0000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
MAR 16...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)		
MAR 16...	.00	.0	.00	0	0	.00	.0	.02	.00	.00		

290530090344800 TERREBONNE BAY 500 YARDS WEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE -0.6, NEAR COCODRIE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA*MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 16...	1000	42800	8.2	5	2	10000	5600	5500	430	1100	9000	76
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAR 16...	52	400	119	0	98	2100	17000	54	68	22700	15	<1.0

DREDGING OPERATIONS STUDY--Continued

290530090344800 TERREBONNE BAY 500 YARDS WEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE -0.6, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAR 16...	.02	.00	.02	.15	.10	11	.13	.16	.04	.31	.17	.14
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAR 16...	1500	.33	1.5	.13	.04	0	0	8	0	0	<10	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 16...	0	.08	20	0	50	0	0	0	<10	20	0	0
DATE	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)
MAR 16...	<10	40	40	200	.0	.0	.0	4	0	<10	0	0
DATE	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 16...	0	70	20	60	3.1	.00	0	0	3	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
MAR 16...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290530090344800 TERREBONNE BAY 500 YARDS WEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE -0.6, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
MAR 16...	.00	.0	.0000	.0	.0000	.0000	.0	.0000	.0	.0000	.0	.0000
DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
MAR 16...	.0	.0000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR 16...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.241	.035

290155090340400 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE -4.7, NEAR COCODRIE, LA

DATE	TIME	SPE-CIFIC CONDUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 16...	0830	41400	8.3	3	2	20000	5500	5400	390	1100	9500	77
DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	LOSS ON IGNI-TION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILT-RABLE RESIDUE (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)
MAR 16...	56	400	146	0	120	2000	16000	64	67	38600	8	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)
MAR 16...	.01	.00	.01	.16	.08	18	.10	.13	.02	.29	.19	.10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290155090340400 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE -4.7, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL KJEL. NITRO- GEN IN BOT- TOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAR 16...	3600	.30	1.3	.05	.03	0	0	12	0	0	<10	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOT- TOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOT- TOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 16...	0	.27	20	0	50	0	2	0	10	20	0	0
DATE	TOTAL LEAD IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT- TOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOT- TOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)
MAR 16...	<10	40	30	350	.0	.0	.0	2	0	<10	0	0
DATE	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)
MAR 16...	0	40	40	50	2.5	.00	0	1	0	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)
MAR 16...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
MAR 16...	.00	.0	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290155090340400 TERREBONNE BAY IN HOUMA NAVIGATION CANAL CHANNEL AT MILE -4.7, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
MAR 16...	.0	.0000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 16...	.00	.0	.00	0	0	.00	.0	.04	.01	.00	4.11	.429

290155090342200 TERREBONNE BAY 500 YARDS WEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE -4.7, NEAR COCODRIE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 16...	0900	41300	8.2	10	5	20000	5100	5000	400	1000	8500	77

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAR 16...	52	390	149	0	122	2000	15000	86	68	45800	16	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAR 16...	.02	.00	.02	.19	.10	13	.13	.41	.07	.60	.43	.17

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 16...	2900	.62	2.7	.07	.04	0	0	0	8	0	0	<10

DREDGING OPERATIONS STUDY--Continued

290155090342200 TERREBONNE BAY 500 YARDS WEST OF HOUMA NAVIGATION CANAL CHANNEL AT MILE -4.7, NEAR COCODRIE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAR 16...	0	0	.11	30	0	50	0	2	0	10	10	0
DATE	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
MAR 16...	0	<10	40	30	350	.0	.0	.0	2	0	<10	0
DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)
MAR 16...	0	0	40	0	40	2.7	.00	0	0	0	100	.0
DATE	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD IN BOTTOM MATERIAL (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE IN BOTTOM MATERIAL (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)
MAR 16...	0	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000
DATE	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
MAR 16...	.0	.00	.0	.000	.0	.000	.000	.0	.000	.0	.000	.0
DATE	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRITHION (UG/L)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 16...	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00
DATE	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A-PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
MAR 16...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00	1.39

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293931091015200 BAYOU BLACK 3.2 MILES ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR 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)	CGD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY 12...	0830	348	7.5	40	35	42000	96	12	24	8.8	28	38
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE SODIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
MAY 12...	1.2	3.4	102	0	84	19	46	25	31	56400	3	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH ₄) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)
MAY 12...	.12	.01	.13	.06	.02	20	.03	.92	.94	3900	.14	.05
DATE	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)
MAY 12...	2	2	13	0	0	0	0	0	0	0	.59	<10
DATE	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)
MAY 12...	<8	2	10	0	4	4	<10	80	4	0	<10	220
DATE	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
MAY 12...	180	300	.0	.0	.0	1.1	11	8	3	<10	0	0

DREDGING OPERATIONS STUDY--Continued

293931091015200 BAYOU BLACK 3.2 MILES ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
MAY 12...	0	0	30	10	20	50	6.4	.00	0	1	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
MAY 12...	.0	100	.00	.0	.000	.0	.0	0	.000	.0	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAY 12...	.000	.1	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
MAY 12...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	
MAY 12...	.0	.00	.00	.0	0	0	.00	.0	.00	.00	.00	

293845091021200 BAYOU BLACK 2.0 MILES ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR GIBSON, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY 12...	0840	379	7.3	50	40	37000	110	26	30	9.2	31	36

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293845091021200 BAYOU BLACK 2.0 MILES ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAY 12...	1.3	4.1	103	0	84	24	53	27	27	52700	1	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
MAY 12...	.15	.02	.17	.04	.01	32	.01	.78	.79	4300	.13	.02
DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CP) (UG/L)
MAY 12...	2	1	16	0	0	0	0	0	0	0	.72	10
DATE	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
MAY 12...	9	1	10	0	5	5	10	50	3	0	<10	120
DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)
MAY 12...	60	220	.0	.0	.0	1.2	9	5	4	<10	0	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
MAY 12...	0	0	10	0	10	80	6.0	.00	0	1	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293845091021200 BAYOU BLACK 2.0 MILES ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
MAY 12...	.0	70	.00	.0	.000	.0	.0	0	.000	1.8	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAY 12...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
MAY 12...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	
MAY 12...	.0	.00	.00	.0	0	0	.00	.0	.01	.00	.13	

293806091031000 BAYOU BLACK 1.0 MILE ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR GIBSON, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY 12...	0900	254	7.4	55	40	39000	96	9	27	6.9	15	25
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
MAY 12...	.7	3.3	106	0	87	18	22	25	25	59100	0	<1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293806091031000 BAYOU BLACK 1.0 MILE ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAY 12...	.11	.03	.14	.06	.06	23	.00	.70	.70	.76	.00	.76
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAY 12...	5000	.90	4.0	.10	.01	2	1	10	0	0	0	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAY 12...	0	.35	<10	<9	1	10	0	4	4	10	80	3
DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
MAY 12...	0	<10	130	70	320	.0	.0	.8	8	4	<10	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
MAY 12...	0	0	10	10	0	70	6.5	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
MAY 12...	.0	33	.00	.0	.000	.0	.0	0	.000	.0	.000	.0

DREDGING OPERATIONS STUDY--Continued

293806091031000 BAYOU BLACK 1.0 MILE ABOVE INTRACOASTAL WATERWAY (AT MILE 83.6 WHL), NEAR GIBSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT-AZINON (UG/L)	DDT-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT-ELDRIN (UG/L)	DDT-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
MAY 12...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)
MAY 12...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
MAY 12...	.0	.00	.00	.0	0	0	.00	.0	.00	.00	.08

293729091040000 BAYOU BLACK (INTRACOASTAL WATERWAY AT MILE 84.6 WHL), NEAR AMELIA, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICHO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY 12...	0920	245	7.7	40	35	36000	82	5	22	6.6	15	27

DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
MAY 12...	.7	3.7	94	0	77	15	21	33	26	50400	3	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA-NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA-NITROGEN (N) (MG/L)	TOTAL AMMONIA-NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)
MAY 12...	.01	.01	.02	.09	.00	39	.00	.76	.00	.85	.85	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293729091040000 BAYOU BLACK (INTRACOASTAL WATERWAY AT MILE 84.6 WHL), NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CU) (UG/L)
MAY 12...	3700	.87	3.9	.14	.06	2	1	10	0	0	0	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL CUPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAY 12...	0	.29	<10	<9	1	10	0	4	4	10	70	0
DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
MAY 12...	0	<10	80	0	480	.0	.0	.4	12	3	<10	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	
MAY 12...	0	0	10	0	10	60	8.1	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
MAY 12...	.0	21	.00	.0	.000	.0	.0	0	.000	.0	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAY 12...	.000	1.2	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293729091040000 BAYOU BLACK (INTRACOASTAL WATERWAY AT MILE 84.6 WHL), NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
MAY 12...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
MAY 12...	.0	.00	.00	.0	0	0	.00	.0	.00	.01	.36

293918091060200 BAYOU BOEUF 0.5 MILE BELOW U.S. HIGHWAY 190, NEAR AMELIA, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY 12...	1000	377	7.4	40	25	27000	100	24	25	9.4	34	41

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAY 12...	1.5	4.5	94	0	77	20	58	33	32	57600	5	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAY 12...	.00	.01	.01	.12	.03	102	.04	.69	.00	.81	.81	.03

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N03) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)
MAY 12...	3600	.82	3.6	.14	.06	2	2	8	0	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293918091060200 BAYOU BOEUF 0.5 MILE BELOW U.S. HIGHWAY 190, NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAY 12...	0	.48	<10	<10	0	10	0	3	3	20	60	2
DATE	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
MAY 12...	0	<10	80	0	650	.0	.0	1.1	11	3	<10	0
DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)
MAY 12...	0	0	20	10	10	60	5.9	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
MAY 12...	.0	11	.00	.0	.000	.0	.0	0	.000	.0	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
MAY 12...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	
MAY 12...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293918091060200 BAYOU BOEUF 0.5 MILE BELOW U.S. HIGHWAY 190, NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
MAY 12...	.0	.00	.00	.0	0	0	.00	.0	.00	.00	.40

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY 12...	0930	301	7.7	60	30	25000	100	21	28	7.9	23	32

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAY 12...	1.0	4.0	96	0	79	18	36	44	34	56000	7	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA GEN (N) (MG/L)	DIS- SOLVED AMMONIA GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
MAY 12...	.02	.01	.03	.09	.01	85	.01	1.1	1.1	3900	.15	.03

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CH) (UG/L)
MAY 12...	2	2	9	0	0	0	0	0	0	.33	<10	<8

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)
MAY 12...	2	20	0	6	6	20	70	3	0	<10	80	80

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293752091050000 BAYOU CHENE (INTRACOASTAL WATERWAY AT MILE.85.6 WHL), NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)
MAY 12...	0	500	.0	.0	.0	.9	11	7	4	<10	0	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
MAY 12...	0	0	20	10	10	70	7.1	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
MAY 12...	.0	12	.00	.0	.000	.0	.0	0	.000	.0	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAY 12...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
MAY 12...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVERX (UG/L)	
MAY 12...	.0	.00	.00	.0	0	0	.00	.0	.00	.01	.32	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293827091060100 BAYOU CHENE (INTRACOASTAL WATERWAY AT MILE 87.0 WHL), NEAR AMELIA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY 12...	0945	250	7.5	50	20	27000	97	22	25	8.5	27	36
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED FOSTASIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
MAY 12...	1.2	4.4	92	0	75	18	44	22	28	53700	3	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)
MAY 12...	.01	.00	.01	.09	.05	52	.06	.86	.91	4000	.13	.04
DATE	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)
MAY 12...	2	2	7	0	0	0	0	0	0	0	.38	<10
DATE	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)
MAY 12...	<9	1	20	0	7	7	20	70	2	0	<10	60
DATE	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
MAY 12...	0	550	.0	.0	.0	2.0	9	5	4	<10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293827091060100 BAYOU CHENE (INTRACOASTAL WATERWAY AT MILE 87.0 WHL), NEAR AMELIA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
MAY 12...	0	0	10	0	10	70	5.7	.00	0	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)
MAY 12...	.0	110	.00	.0	.000	.0	.0	0	.000	.0	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL UI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAY 12...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
DATE	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
MAY 12...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	
MAY 12...	.0	.00	.00	.0	0	0	.00	.0	.00	.00	.26	

DREDGING OPERATIONS STUDY--Continued

302543091162400 INTRACOASTAL WATERWAY (MORGAN CITY TO PORT ALLEN) AT MILE 60.0, NEAR PORT ALLEN, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)
JUN										
04...	0920	.0	.00	.000	.0	.000	.000	.000	.00	.005
04...	0925	.0	.00	.000	.0	.000	.000	.000	.00	.008

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
JUN									
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN									
04...	.00	.00	.00	.00	0	.00	.00	.00	.00
04...	.00	.00	.00	.00	0	.00	.00	.00	.00

302257091192500 INTRACOASTAL WATERWAY (MORGAN CITY TO PORT ALLEN) AT MILE 55.0, NEAR PORT ALLEN, LA

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)
JUN										
04...	0900	.0	.00	.000	.0	.000	.000	.000	.00	.010
04...	0905	.0	.00	.000	.0	.000	.000	.000	.00	.008

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
JUN									
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN									
04...	.00	.00	.00	.00	0	.00	.00	.00	.00
04...	.00	.00	.00	.00	0	.00	.01	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301838091191400 INTRACOASTAL WATERWAY (MORGAN CITY TO PORT ALLEN) AT MILE 50.0, NEAR PLAQUEMINE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL ODD (UG/L)	TOTAL ODE (UG/L)	TOTAL ODT (UG/L)	TOTAL DI- AZINON (UG/L)
JUN									
04...	0845	.0	.00	.000	.0	.000	.000	.000	.00
04...	0850	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
JUN									
04...	.007	.000	.000	.00	.000	.000	.000	.00	.00
04...	.007	.000	.000	.00	.000	.000	.000	.00	.00

DATE	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN									
04...	.00	.00	.00	.00	0	.00	.02	.00	.01
04...	.00	.00	.00	.00	0	.00	.00	.00	.00

301438091190400 INTRACOASTAL WATERWAY (MORGAN CITY TO PORT ALLEN) AT MILE 45.0, NEAR CRESCENT, LA

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL ODD (UG/L)	TOTAL ODE (UG/L)	TOTAL ODT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)
JUN										
04...	0800	.0	.00	.000	.0	.000	.000	.000	.00	.008
04...	0805	.0	.00	.000	.0	.000	.000	.000	.00	.006

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
JUN									
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN									
04...	.00	.00	.00	.00	0	.00	.02	.00	.04
04...	.00	.00	.00	.00	0	.00	.01	.00	.02

DREDGING OPERATIONS STUDY--Continued

301036091195600 INTRACOASTAL WATERWAY (MORGAN CITY TO PORT ALLEN) AT MILE 40.0, AT BAYOU SORREL, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)
JUN 04...	0740	.0	.00	.000	.0	.000	.000	.000	.00	.010
04...	0745	.0	.00	.000	.0	.000	.000	.000	.00	.005

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
JUN 04...	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 04...	.00	.00	.00	.00	0	.00	.02	.01	.10
04...	.00	.00	.00	.00	0	.00	.01	.00	.07

300732091192000 INTRACOASTAL WATERWAY (MORGAN CITY TO PORT ALLEN) AT BAYOU SORREL LOCK, NEAR BAYOU SORREL, LA

DATE	TIME	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)
JUN 04...	0730	.0	.00	.000	.0	.000	.000	.000	.00	.007
04...	0735	.0	.00	.000	.0	.000	.000	.000	.00	.008

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)
JUN 04...	.000	.000	.00	.000	.000	.000	.00	.00	.00
04...	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 04...	.00	.00	.00	.00	0	.00	.00	.00	.00
04...	.00	.00	.00	.00	0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

302320091401000 ATCHAFALAYA RIVER 5.0 MILES NORTHEAST OF ATCHAFALAYA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)		
OCT 20...	1700	622	8.2	15	14000	154	0	27	30	44200	2	<1.0		
DATE	TIME	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	
OCT 20...	.07	.04	30	.05	.50	.33	.57	.20	.37	440	1	16		
DATE	TIME	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	
OCT 20...	0	0	0	10	0	10	5	25	0	10	20	830		
DATE	TIME	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	TOTAL VANADIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)
OCT 20...	.1	.0	3	10	0	3	.0	10	30	.00	0	6		
DATE	TIME	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)
OCT 20...	2	.0	.0	0	.00	.0	.00	.0	.0	0	.00	.00	.0	
DATE	TIME	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	
OCT 20...	.00	.0	.00	.0	.00	.0	.00	.0	.01	.0	.00	.00	.0	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

302320091401000 ATCHAFALAYA RIVER 5.0 MILES NORTHEAST OF ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
OCT 20...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
OCT 20...	.00	.0	0	0	.00	.0	.03	.00	.00	21.8	2.94

302005091383000 ATCHAFALAYA RIVER 5.0 MILES SOUTHEAST OF ATCHAFALAYA, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
OCT 20...	1710	622	8.2	15	17000	154	0	33	27	31400	3	<1.0

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)
OCT 20...	.07	.05	30	.06	.49	.46	.56	.05	.51	650	0	12

DATE	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
OCT 20...	0	0	0	<10	0	<10	3	20	0	25	10	500

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)
OCT 20...	.1	.0	2	20	0	0	.0	10	35	.00	0	3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

302005091383000 ATCHAFALAYA RIVER 5.0 MILES SOUTHEAST OF ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)
OCT 20...	0	.0	.0	11	.00	--	.00	.0	.0	0	.00	1.3

DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)
OCT 20...	.00	1.3	.00	.0	.00	.0	.00	.0	.01	.0	.00	.0

DATE	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)
OCT 20...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)
OCT 20...	.00	.0	0	0	.00	.0	.03	.02	.00	21.1	.000

301710091350000 ATCHAFALAYA RIVER 6.0 MILES SOUTHEAST OF BUTTE LAROSE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
OCT 21...	1510	659	8.0	30	17000	156	0	46	40	32100	3	1.0

DATE	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)
OCT 21...	.04	.03	18	.04	.48	.40	.52	.09	.43	700	0	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

301710091350000 ATCHAFALAYA RIVER 6.0 MILES SOUTHEAST OF BUTTE LAROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)
OCT 21...	0	0	0	<10	0	<10	5	20	0	<10	10	580
DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)
OCT 21...	.1	.0	2	<10	0	0	.0	10	40	.00	0	5
DATE	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)
OCT 21...	0	.0	.0	0	.00	--	.00	.0	.0	0	.00	.0
DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL ELDRIN (UG/L)	ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)
OCT 21...	.00	.0	.00	.0	.06	.0	.00	.0	<.01	.0	.00	.0
DATE	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)
OCT 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	
OCT 21...	.00	.0	0	0	.00	.0	2.0	.00	.00	17.2	.000	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301250091334500 ATCHAFALAYA RIVER 12.0 MILES EAST OF CATAHOULA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	
OCT 21...	1500	673	8.2	30	38000	155	0	56	54	55400	4	<1.0	
DATE	TIME	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)
OCT 21...	.03	.02	31	.03	.63	.63	.66	.01	.65	440		1	11
DATE	TIME	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)
OCT 21...	0	0	0	0	<10	0	<10	3	25	0	<10	10	650
DATE	TIME	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)
OCT 21...	.1	.0	2	20	0	0	.0	10	50	.00	0	0	10
DATE	TIME	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)
OCT 21...	14	.0	.0	0	.00	--	.00	.0	.0	0	.00	.0	.0
DATE	TIME	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)
OCT 21...	.00	.0	.00	.0	.12	.0	.00	.0	.01	.0	.00	.0	.0

DREDGING OPERATIONS STUDY--Continued

301250091334500 ATCHAFALAYA RIVER 12.0 MILES EAST OF CATAHOULA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
OCT 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
OCT 21...	.00	.0	0	0	.00	.0	.20	.02	.00	22.8	3.47

300950091310000 ATCHAFALAYA RIVER 11.0 MILES SOUTHWEST OF BAYOU SORREL, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
OCT 28...	1500	488	8.0	20	17000	120	0	36	26	28500	6	<1.0

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL- NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)
OCT 28...	.04	.04	32	.05	.47	.41	.51	.06	.45	2500	1	8

DATE	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
OCT 28...	0	<10	0	<10	0	<10	3	<10	0	<10	10	550

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)
OCT 28...	.0	.0	3	<10	0	0	1.3	10	30	.00	0	6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300950091310000 ATCHAFALAYA RIVER 11.0 MILES SOUTHWEST OF BAYOU SORREL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)
OCT 28...	0	.0	.0	0	.00	.00	.0	.0	0	.00	.0

DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)
OCT 28...	.00	.0	.00	.0	.01	.0	.00	.0	<.01	.0	.00

DATE	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)
OCT 28...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 28...	.00	.0	.00	.0	0	0	.00	.0	.04	.03	.00

300510091290000 ATCHAFALAYA RIVER 12.0 MILES WEST OF PIGEON, LA

DATE	TIME	COD IN BOTTOM MATERIAL (MG/KG)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTRABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL AMMONIA NITROGEN (MG/L)	DIS-SOLVED AMMONIA NITROGEN (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (MG/L)
NOV 01...	1600	17000	22	32	37400	0	<1.0	.03	.00	32	.00	.41

DATE	DIS-SOLVED ORGANIC NITROGEN (MG/L)	TOTAL KJEL-DAHL NITROGEN (MG/L)	SUSPENDED KJEL. NITROGEN (MG/L)	DIS-SOLVED KJEL. NITROGEN (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED ARSENIC (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BERYLLIUM (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (UG/L)
NOV 01...	.40	.44	.04	.40	3000	2	9	0	<10	0	<10	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

300510091290000 ATCHAFALAYA RIVER 12.0 MILES WEST OF PIGEON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)
NOV 01...	<10	3	10	0	<10	0	630	.0	.0	4	<10	0

DATE	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)
NOV 01...	0	1.3	0	50	.00	0	4	0	.0	.0	0	.00

DATE	FCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)
NOV 01...	.0	.00	.0	.0	0	.00	.0	.00	.0	.00

DATE	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)
NOV 01...	.0	.05	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRITHION (UG/L)
NOV 01...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRIETHION (UG/L)	TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
NOV 01...	.0	.00	.0	0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300020091282000 ATCHAFALAYA RIVER 11.0 MILES SOUTHWEST OF PIGEON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)
NOV 02...	1530	446	7.9	5	20	16000	92	0	30	31	36500	8
DATE	SETTLABLE MATTER (ML/L/HR)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL-DAHL NITROGEN (N) (MG/L)	DISSOLVED KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED KJEL-DAHL NITROGEN IN BOTTOM MAT. (MG/L)
NOV 02...	<1.0	.07	.07	50	.09	.60	.00	.67	.60	.07	790	1
DATE	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DISSOLVED MANGANESE (MN) (UG/L)
NOV 02...	8	0	<10	0	<10	0	20	5	20	2	<10	10
DATE	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DISSOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DISSOLVED VANADIUM (V) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MATERIAL (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)
NOV 02...	500	.1	.0	2	<10	0	0	1.0	0	20	.00	0
DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLYCHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
NOV 02...	4	0	.0	.0	0	.00	.00	.0	.0	0	.00	.0
DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)
NOV 02...	.00	.0	.00	.0	.13	.0	.00	.0	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

300020091282000 ATCHAFALAYA RIVER 11.0 MILES SOUTHWEST OF PIGEON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
NOV 02...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
NOV 02...	.00	.0	0	0	.00	.0	.00	.02	.00	3.41	.000

295740091281000 ATCHAFALAYA RIVER 7.0 MILES NORTHEAST OF CHARENTON, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)
NOV 03...	1445	442	7.9	5	20	22000	94	0	26	24	33200	11

DATE	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)
NOV 03...	<1.0	.07	.07	29	.09	.38	.00	.45	.38	.07	660	1

DATE	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
NOV 03...	7	0	<10	0	<10	0	10	4	<10	3	<10	10

DATE	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)
NOV 03...	480	.0	.0	4	<10	0	1	1.0	0	10	.00	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

295740091281000 ATCHAFALAYA RIVER 7.0 MILES NORTHEAST OF CHARENTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)
NOV 03...	17	0	.0	.0	0	.00	.00	.0	.0	0	.00	.0

DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
NOV 03...	.00	.0	.00	.0	.02	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
NOV 03...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
NOV 03...	.00	.0	0	0	.00	.0	.00	.02	.00	3.23	.000

295330091253500 ATCHAFALAYA RIVER 6.0 MILES EAST OF CHARENTON, LA

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)
NOV 04...	1430	25000	32	25	35800	2	<1.0	.03	.02	40	.03	.55

DATE	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)
NOV 04...	.57	3100	1	5	0	<10	0	<10	0	20	3	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

295330091253500 ATCHAFALAYA RIVER 6.0 MILES EAST OF CHARENTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV 04...	0	<10	10	480	.2	.0	2	<10	0	3	.0	0

DATE	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA-TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MA-TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA-TERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)
NOV 04...	<10	.00	0	7	0	.0	.0	0	.00	.0	.00	.0

DATE	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)
NOV 04...	.0	0	.00	.0	.00	.0	.00	.0	.0	.00	.0	.00

DATE	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	MALA-THION IN BOTTOM MA-TERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/KG)
NOV 04...	.0	.0	.00	.0	.00	.0	.00	.0	.0	.0	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MA-TERIALS (UG/KG DRY SOLIDS)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)
NOV 04...	.00	.0	.0	0	0	.0	.00	.02	.00	10.6	7.20

295100091235000 ATCHAFALAYA RIVER 4.0 MILES NORTH OF VERDUNVILLE, LA

DATE	TIME	COD IN BOTTOM MA-TERIAL (MG/KG)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MA-TERIAL (MG/KG)	VOL. NON-FILT-RABLE RESIDUE (MG/L)	SETTLE-ABLE MATTER (ML/L/HR)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)
NOV 09...	1600	24000	32	29	35600	3	1.0	.02	.01	48	.01	.54

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

295100091235000 ATCHAFALAYA RIVER 4.0 MILES NORTH OF VERDUNVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)
NOV 09...	.55	2400	1	5	0	<10	0	<10	0	20	3	<10

DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV 09...	0	<10	10	420	.2	.1	2	<10	0	3	1.0	0

DATE	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
NOV 09...	<10	.00	0	4	0	.0	.0	0	.00	.0	.00	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL UI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)
NOV 09...	.0	0	.00	.5	.00	.0	.00	.0	.0	.00	.0	.00

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
NOV 09...	.0	.0	.00	.0	.00	.0	.00	.0	.0	.0	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
NOV 09...	.00	.0	.0	0	0	.0	.00	.03	.00	5.97	.746

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294650091202000 ATCHAFALAYA RIVER 4.0 MILES NORTHEAST OF AVALON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	
NOV 09...	1700	17	25000	35	38	37800	1	<1.0	.01	.01	48	.01	
DATE	TIME	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
NOV 09...		.46	.46	.47	.00	.47	2600	1	9	0	<10	0	<10
DATE	TIME	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)
NOV 09...		0	40	21	10	0	<10	10	480	.2	.0	0	<10
DATE	TIME	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL VANA- DIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
NOV 09...		0	3	.8	0	<10	.00	0	6	0	.0	.0	0
DATE	TIME	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ALDRIN (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	DDO IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDO (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	
NOV 09...		.00	.0	.00	.0	.0	0	.00	1.0	.00	.4		
DATE	TIME	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)		
NOV 09...		.00	.0	.0	.00	.0	.00	.0	.0	.00	.0		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294650091202000 ATCHAFALAYA RIVER 4.0 MILES NORTHEAST OF AVALON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
NOV 09...	.00	.0	.00	.0	.0	.0	.0	.00	.0

DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
NOV 09...	.0	0	0	.0	.00	.01	.00	6.20	2.99

294630091204500 ATCHAFALAYA RIVER 3.0 MILES NORTH OF AVALON, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
NOV 12...	1100	414	7.9	35	23000	115	0	78	79	38100	8	<1.0

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)
NOV 12...	.04	.04	46	.05	.60	.60	.64	.00	.64	2500	1	9

DATE	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
NOV 12...	0	<10	0	<10	0	<10	3	<10	0	<10	0	450

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)
NOV 12...	.2	.1	2	10	0	1	.0	10	50	.00	0	3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294630091204500 ATCHAFALAYA RIVER 3.0 MILES NORTH OF AVALON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)
NOV 12...	0	.0	.0	0	.00	.00	.0	.0	0	.00	1.6

DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)
NOV 12...	.00	.0	.00	.0	.03	.0	.00	.0	.00	.0	.00

DATE	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)
NOV 12...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL METHYL TRITHION (UG/L)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRIETHION (UG/L)	TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
NOV 12...	.00	.0	.00	.0	0	0	.00	.0	.01	.02	.00

294540091211000 ATCHAFALAYA RIVER 2.0 MILES NORTHEAST OF VERDUNVILLE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
NOV 15...	1600	417	7.9	20	29000	110	0	45	47	39300	7	<1.0

DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
NOV 15...	.10	63	.13	.53	.63	3300	1	8	0	<10	0	<10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294540091211000 ATCHAFALAYA RIVER 2.0 MILES NORTHEAST OF VERDUNVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)
NOV 15...	0	<10	3	<10	0	<10	0	400	.2	.1	2	10

DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
NOV 15...	0	0	.0	10	40	.00	0	7	0	.0	.0	6

DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
NOV 15...	.00	.0	.00	.0	.0	0	.00	1.3	.00	.0	.00	.0

DATE	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)
NOV 15...	.04	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRITHION (UG/L)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
NOV 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRIETHION (UG/L)	TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)
NOV 15...	.00	.0	0	0	.00	.0	.01	.03	.00	4.67	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294600091160000 ATCHAFALAYA RIVER 5.5 MILES NORTH NORTHEAST OF PATTERSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	
NOV 16...	1400	417	7.9	35	21000	110	0	92	91	33700	11	<1.0	
DATE		DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	
NOV 16...	.06	49	.08	.49	.55	2600	1	7	0	<10	0	<10	
DATE		DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)
NOV 16...	0	<10	4	10	0	<10	10	380	.1	.0	2	10	
DATE		DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
NOV 16...	0	1	.0	20	40	.00	0	3	0	.0	.0	.0	4
DATE		POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
NOV 16...	.00	.0	.00	.0	.0	0	.00	.0	.00	.0	.0	.00	.0
DATE		TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	
NOV 16...	.06	.0	.00	.0	.00	.0	.0	.00	.0	.00	.0	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294600091160000 ATCHAFALAYA RIVER 5.5 MILES NORTH NORTHEAST OF PATTERSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
NOV 16...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
NOV 16...	.00	.0	0	0	.00	.0	.00	.00	.00	9.33	2.25

292330091173500 ATCHAFALAYA BAY 2.0 MILES NORTHEAST OF EUGENE ISLAND, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
OCT 15...	0950	2050	8.3	10	1	176	0	27	22	4400	0	.05

DATE	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
OCT 15...	.01	2.1	.01	.60	.51	.65	.13	.52	120	1	2	0

DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MERCURY (HG) (UG/L)
OCT 15...	<10	0	<10	10	10	4	<10	0	<10	10	150	.2

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 15...	.0	2	<10	0	0	10	20	.00	0	8	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292330091173500 ATCHAFALAYA BAY 2.0 MILES NORTHEAST OF EUGENE ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
OCT 15...	--	.0	0	.00	.00	.0	.0	0	.00	.0	.00	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
OCT 15...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)
OCT 15...	.00	.0	0	0	.00	.0	.05	.06	.00	6.28	.000

292525091202000 ATCHAFALAYA BAY 2.0 MILES NORTH NORTHEAST OF EUGENE ISLAND, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)
OCT 15...	1020	1810	8.2	10	6	174	0	25	17	42200	0	.05

DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
OCT 15...	.02	64	.03	.46	.39	.51	.10	.41	2900	1	11	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292525091202000 ATCHAFALAYA BAY 2.0 MILES NORTH NORTHEAST OF EUGENE ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT 15...	<10	0	10	7	<10	5	15	0	<10	20	460	.2

DATE	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 15...	.0	2	<10	1	0	20	50	.00	0	5	0

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
OCT 15...	3000	.0	0	.00	.00	.0	.0	0	.00	.0	.00	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)
OCT 15...	.00	.0	.01	.0	.00	.0	.00	.0	.00	.0	.00

DATE	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL THION (UG/L)	METHYL THION IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRIETHION (UG/L)	TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)
OCT 15...	.00	.0	0	0	.00	.0	.02	.04	.00	15.9	1.12

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292730091224000 ATCHAFALAYA BAY 2.0 MILES NORTH OF EUGENE ISLAND, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	
OCT 15...	1030	1940	8.3	10	2	175	0	17	16	12800	0	.04	
DATE		DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
OCT 15...	.01	.01	4.1	.01	.50	.48	.54	.05	.49	320	1	6	0
DATE		TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT 15...	<10	0	<10	7	<10	2	<10	0	<10	0	230	.3	
DATE		TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	
OCT 15...	.0	2	<10	0	0	30	25	.00	0	8	0		
DATE		OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.0	.0	0	.00	.00	.0	.0	0	.00	3.4	.00	.0	
DATE		TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIBAZINON (UG/L)	DIBAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	
OCT 15...	.00	.0	.00	.0	.00	.2	.00	.0	.00	.0	.00		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292730091224000 ATCHAFALAYA BAY 2.0 MILES NORTH OF EUGENE ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)
OCT 15...	.00	.0	0	0	.00	.0	.00	.04	.00	14.5	.000

292835091245500 ATCHAFALAYA BAY 3.0 MILES NORTH NORTHWEST OF EUGENE ISLAND, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
OCT 15...	1100	1630	8.3	7	4	178	0	14	12	28800	0	.04

DATE	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MA- TERIAL (MG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
OCT 15...	.04	9.9	.05	.54	.54	.58	.00	.58	790	2	8	0

DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MERCURY (HG) (UG/L)
OCT 15...	<10	0	<10	10	10	3	10	0	<10	0	590	.5

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 15...	.0	2	<10	0	0	30	40	.00	0	12	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292835091245500 ATCHAFALAYA BAY 3.0 MILES NORTH NORTHWEST OF EUGENE ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPH-THALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)
OCT 15...	3200	.0	9	.00	.00	.0	.0	0	4.4	--	.00	2.3

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
OCT 15...	.00	.0	.00	.0	.00	.6	.00	.0	.00	.0	.00

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)
OCT 15...	.00	.0	0	0	.00	.0	.00	.04	.00	--	--

292940091261500 ATCHAFALAYA BAY 4.0 MILES NORTHWEST OF EUGENE ISLAND, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)
OCT 15...	1115	1240	8.3	8	300	178	0	17	16	31800	0	.01

DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MATERIAL (MG/KG)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
OCT 15...	.01	5.4	.01	.47	.47	.48	.00	.48	790	1	7	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292940091261500 ATCHAFALAYA BAY 4.0 MILES NORTHWEST OF EUGENE ISLAND, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)
OCT 15...	<10	0	<10	0	10	3	13	0	<10	0	500	.2

DATE	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 15...	.0	2	<10	0	0	20	40	.00	0	6	0

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)
OCT 15...	.0	.0	0	.00	.0	.00	.0	.0	0	.00	5.8	.00

DATE	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT IN BOTTOM MATERIAL (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
OCT 15...	3.6	.00	.0	.00	.0	.00	.5	.00	.0	.00	.0	.00

DATE	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)
OCT 15...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)
OCT 15...	.00	.0	0	0	.00	.0	.00	.04	.00	.000	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292721091165800 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 135.5, NEAR MORGAN CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
JUL 07...	0920	615	7.9	24000	170	53	46	14	56	3.6	146	0
DATE	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	
JUL 07...	120	61	69	55	65	36700	25	.53	.00	.05	.01	
DATE	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	
JUL 07...	8.9	.54	.25	.59	.26	1900	1.1	.11	.04	3	1	
DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	
JUL 07...	2	8	0	0	0	0	0	0	0	.36	<10	
DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	
JUL 07...	0	20	0	3	2	10	0	6	2	<10	70	
DATE	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUL 07...	70	0	440	.0	.0	.0	.0	3	1	2	<10	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292721091165800 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 135.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUL 07...	0	0	0	88	10	10	30	5.7	.00	0	0	1
DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATR'L DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
JUL 07...	.0	.0	83	.00	.0	.000	.0	.0	12	.000	5.5	.000
DATE	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)
JUL 07...	22	.000	.1	.01	.0	.000	.0	.000	.006	.0	.00	.0
DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUL 07...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

292733091171000 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 135.5, NEAR MORGAN CITY, LA

DATE	TIME	COD IN BOT- TOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL ARSLNIC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOT- TOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOT- TOM MA- TERIAL (UG/G)
JUL 07...	0930	6300	14600	4.6	1300	3	0	.09	<10	<10	<10	170

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292733091171000 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 135.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)
JUL 07...	.0	<10	0	10	0	.0	.0	3	.00	.0	.000	.0

DATE	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DIELDRIN IN BOTTOM MATERIAL (UG/KG)
JUL 07...	.00	3	.000	1.6	.000	26	.000	.0	.00	.0	.001	.2

DATE	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)
JUL 07...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG SOLIDS)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)
JUL 07...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	0	.00	.0	.00	.00	.00

292745091172200 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 135.5, NEAR MORGAN CITY, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUL 07...	0940	611	8.0	15	17000	170	48	46	14	56	3.6	152

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292745091172200 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 135.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUL 07...	0	120	61	71	25	33	35700	20	.55	.00	.05	.02
DATE	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	
JUL 07...	8.5	.48	.49	.53	.51	2700	1.1	.10	.05	3	1	
DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	
JUL 07...	2	7	0	0	0	0	0	0	0	.22	<10	
DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	
JUL 07...	1	<10	0	3	3	<10	0	4	2	<10	50	
DATE	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUL 07...	40	10	370	.0	.0	.0	.0	6	0	6	<10	0
DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUL 07...	0	0	0	88	0	0	20	6.0	.00	0	0	2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292745091172200 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 135.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)
JUL 07...	.0	.0	33	.00	.0	.000	.0	.0	6	.000	4.1	.000

DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	8.1	.000	.1	.00	.0	.002	.2	.000	.008	.0	.00	.0

DATE	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)
JUL 07...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

292603091192000 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUL 07...	1030	639	8.0	10	29000	190	63	48	16	68	4.3	150

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)
JUL 07...	0	120	68	110	170	185	40800	23	.48	.00	.06	.04

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292603091192000 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL AMMONIA NITRO-GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOL-VED- PHOS-PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDE D ARSENIC (AS) (UG/L)	
JUL 07...	8.0	.64	.42	.70	.46	2200	1.2	.16	.05	3	0	
DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL BERYL-LIUM (BE) (UG/L)	SUS-PENDE D BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	TOTAL BERYL-LIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDE D CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CHRO-MIUM (CR) (UG/L)	
JUL 07...	3	8	0	0	0	0	0	0	0	.42	10	
DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM IN BOTTOM MA-TERIAL (UG/G)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL MAN-GANESE (MN) (UG/L)	
JUL 07...	0	<10	0	3	2	<10	20	5	0	<10	50	
DATE	SUS-PENDE D MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MANGA-NESE IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDE D MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDE D NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)
JUL 07...	50	0	380	.0	.0	.0	.0	7	2	5	<10	0
DATE	SUS-PENDE D SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED VANA-DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA-TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUL 07...	0	0	0	91	10	10	20	8.3	.00	0	0	2
DATE	OIL AND GREASE IN BOT-TOM MA-TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA-TERIAL (UG/KG)	POLY-CHLO-RINATED NAPH-THA-LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)
JUL 07...	.0	.0	23	.00	.0	.000	.0	.0	4	.000	4.2	.000

DREDGING OPERATIONS STUDY--Continued

292603091192000 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	2.2	.000	.6	.00	.0	.000	.3	.000	.008	.0	.00	.0

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUL 07...	.000	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

292615091193200 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUL 07...	1010	17000	31300	7.2	1600	24	0	.30	<10	<10	<10	290

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	<10	0	10	0	.0	.0	26	.00	.0	.000	.1

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	6	.000	4.0	.000	1.9	.000	.8	.00	.0	.000	.9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292615091193200 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.000	.0006	.3	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	0	.00	.0	.00	.00	.00

292627091194400 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
JUL 07...	1045	641	8.1	10000	170	49	46	14	62	3.6	151	0

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUL 07...	120	63	74	102	92	12100	26	.48	.00	.06	.04

DATE	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)
JUL 07...	1.7	.60	.61	.66	.65	650	1.1	.14	.05	3	1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292627091194400 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
JUL 07...	2	3	0	0	0	0	0	0	0	.07	10

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUL 07...	1	<10	0	4	4	<10	10	5	4	<10	120

DATE	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUL 07...	120	0	140	.0	.0	.0	.0	9	3	6	<10	0

DATE	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
JUL 07...	0	0	0	81	10	0	20	9.1	.00	0	0	3

DATE	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
JUL 07...	.0	.0	0	.00	.0	.000	.0	.0	0	.000	.0	.000

DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.2	.000	.2	.00	.0	.000	.0	.000	.007	.0	.00	.0

292627091194400 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 137.5, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
JUL 07...	1135	934	8.0	19000	200	82	49	20	100	5.2	150	0

DATE	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)
JUL 07...	6.2	.49	.34	.54	.38	1800	1.1	.10	.04	3	

[illegible]

DREDGING OPERATIONS STUDY--Continued

292416091204600 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 140.9, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUL 07...	0	<10	0	3	3	<10	10	4	0	<10	50

DATE	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUL 07...	50	0	320	.0	.0	.0	.0	2	0	2	<10	0

DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUL 07...	0	0	0	10	10	20	6.4	.00	0	0	1	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	19	.00	.0	.000	.0	.0	7	.000	4.8	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUL 07...	.000	.0	.01	.0	.000	.0	.000	.007	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUL 07...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292416091204600 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 140.9, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

292428091205800 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 140.9, NEAR MORGAN CITY, LA

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUL 07...	1110	7200	15400	3.7	1000	5	0	.12	<10	<10	<10	180

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	<10	0	10	0	.0	.0	4	.00	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)
JUL 07...	.0	0	.000	1.4	.000	.0	.000	.3	.01	.0	.000

DATE	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
JUL 07...	.3	.000	.008	.0	.00	.0	.000	.0	.000	.0	.000

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292428091205800 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 140.9, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	0	.00	.0	.02	.00	.00

292440091211000 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 140.9, NEAR MORGAN CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	
JUL 07...	1125	938	8.1	20000	200	84	49	20	110	5.6	147	0

DATE	ALKA- LINIT AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUL 07...	120	77	170	43	48	49600	15	.50	.00	.05	.05

DATE	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)
JUL 07...	7.2	.60	.47	.65	.52	2400	1.2	.06	.04	3	0

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
JUL 07...	3	12	0	0	0	0	0	0	0	.26	<10

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUL 07...	0	<10	0	4	4	<10	10	6	0	20	50

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292440091211000 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 140.9, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUL 07...	40	10	410	.1	.1	.0	.0	8	8	0	<10	0
DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUL 07...	0	0	0	10	0	20	5.1	.00	0	0	2	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	2	.00	.0	.000	.0	.0	0	.000	1.0	.000	.0
DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUL 07...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
JUL 07...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291838091255500 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 148.1, NEAR MORGAN CITY, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
JUL 07...	1220	1440	8.3	31000	250	130	50	31	210	8.0	148	0
DATE	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	
JUL 07...	120	91	310	20	24	35000	4	.30	.01	.17	.03	
DATE	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	
JUL 07...	4.8	.59	.43	.76	.46	2500	1.1	.08	.01	4	0	
DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	
JUL 07...	4	15	0	0	0	0	0	0	0	.33	<10	
DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	
JUL 07...	1	<10	0	2	2	<10	10	5	0	<10	50	
DATE	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUL 07...	50	0	370	.0	.0	.0	.0	7	3	4	<10	0
DATE	SUSPENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)
JUL 07...	0	0	0	20	10	20	6.3	.00	0	0	5	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291838091255500 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 148.1, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	8	.00	.0	.000	.0	.0	0	.000	2.8	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUL 07...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUL 07...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

291850091260700 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 148.1, NEAR MORGAN CITY, LA

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUL 07...	1200	52000	28200	11	4100	10	0	.24	<10	10	<10	510

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	<10	0	20	0	100	.0	9	.00	.0	.000	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291850091260700 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 148.1, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	9	.009	9.1	.000	12	.000	.0	.00	.0	.001	.5

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- EPOXIDE (UG/L)	HEPTA- EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.000	.002	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	0	.00	.0	.00	.00	.00

291902091261900 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 148.1, NEAR MORGAN CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
JUL 07...	1155	1450	8.4	17000	250	130	50	31	210	8.4	144	2

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUL 07...	120	94	320	36	38	33600	11	.26	.01	.17	.03

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291902091261900 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 148.1, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL AMMONIA NITRO-GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	
JUL 07...	3.1	.61	.43	.78	.46	2200	1.1	.08	.02	3	1	
DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL BERYL-LIUM (BE) (UG/L)	SUS-PENDED BERYL-LIUM (BE) (UG/L)	DIS-SOLVED BERYL-LIUM (BE) (UG/L)	TOTAL BERYL-LIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CHRO-MIUM (CR) (UG/L)	
JUL 07...	2	6	0	0	0	0	0	0	0	.19	<10	
DATE	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM IN BOTTOM MA-TERIAL (UG/G)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA-TERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL MAN-GANESE (MN) (UG/L)	
JUL 07...	0	10	0	2	2	<10	10	3	0	<10	40	
DATE	SUS-PENDED MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MANGA-NESE IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)
JUL 07...	40	0	200	.0	.0	.0	.0	5	2	3	<10	0
DATE	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA-TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT-TOM MA-TERIAL (MG/KG)
JUL 07...	0	0	0	10	10	20	6.4	.00	0	0	2	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA-TERIAL (UG/KG)	POLY-CHLO-RINATED NAPH-THA-LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)
JUL 07...	.0	5	.00	.0	.000	.0	.0	0	.000	3.8	.000	.0

DREDGING OPERATIONS STUDY--Continued

291902091261900 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 148.1, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)
JUL 07...	.000	.0	.00	.0	.001	.0	.000	.002	.0	.00	.0	.000

DATE	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)
JUL 07...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT-TOM MA-TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

291608091280700 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 151.7, NEAR MORGAN CITY, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COD IN BOTTOM MA-TERIAL (MG/KG)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HC03) (MG/L)	CAR-BONATE (C03) (MG/L)
JUL 07...	1130	2200	8.2	21000	300	190	48	44	340	16	135	0

DATE	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	LOSS ON IGNI-TION IN BOTTOM MA-TERIAL (MG/KG)	VOL. NON-FILT-RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)
JUL 07...	110	130	530	32	34	37600	17	.28	.01	.14	.03

DATE	TOTAL AMMONIA NITRO-GEN IN BOT-TOM MAT. (MG/KG)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOT-TOM MAT. (MG/KG)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)
JUL 07...	4.1	.54	.46	.68	.49	2500	.97	.06	.03	3	1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291608091280700 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 151.7, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	
JUL 07...	2	7	0	0	0	0	0	0	0	.22	10	
DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	
JUL 07...	1	<10	0	3	3	<10	20	6	0	<10	30	
DATE	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUL 07...	30	0	410	.0	.0	.0	.0	2	0	2	<10	0
DATE	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)
JUL 07...	0	0	0	10	10	20	6.5	0	0	2	.0	.0
DATE	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
JUL 07...	6	.00	.0	.000	.0	.0	0	.000	2.6	.000	.0	.000
DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	
JUL 07...	.0	.00	.0	.002	.0	.000	.001	.0	.00	.0	.000	
DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	
JUL 07...	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00	

DREDGING OPERATIONS STUDY--Continued

291608091280700 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 151.7, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

291620091281900 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 151.7, NEAR MORGAN CITY, LA

DATE	TIME	COD IN BOTTOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
JUL 07...	1105	45000	68100	8.9	4600	14	0	.32	<10	10	10	550

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	<10	0	20	0	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	0	.000	8.0	.000	2.5	.000	.9	.00	.0	.002	.6

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291620091281900 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 151.7, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	0	.00	.0	.00	.00	.00

291632091283100 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 151.7, NEAR MORGAN CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
JUL 07...	1100	2170	8.2	24000	310	200	51	45	340	13	137	0

DATE	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
JUL 07...	110	130	540	37	32	43600	24	.25	.01	.15	.03

DATE	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)
JUL 07...	5.0	.80	.41	.95	.44	3400	1.2	.06	.02	3	0

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
JUL 07...	3	10	0	0	0	0	0	0	0	.25	<10

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)
JUL 07...	0	<10	0	4	4	<10	10	5	4	<10	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

291632091283100 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 151.7, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUL 07...	40	0	400	.0	.0	.0	.0	10	3	7	<10	0

DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUL 07...	0	0	0	20	10	20	7.1	.00	0	0	2	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	16	.00	.0	.000	.0	.0	0	.000	3.8	.000	.0

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUL 07...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUL 07...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291325091302800 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 155.4, NEAR MORGAN CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
JUL 07...	1040	11800	8.5	22000	1400	1300	110	270	2400	72	135	6

DATE	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)
JUL 07...	120	600	4000	20	27	50700	0	.00	.00	.11	.03

DATE	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)
JUL 07...	3.2	.62	.35	.73	.38	3200	.73	.06	.01	2	0

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)
JUL 07...	2	10	0	0	0	0	0	0	0	.08	<10

DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)
JUL 07...	0	10	0	2	2	<10	10	6	2	<10	30

DATE	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)
JUL 07...	20	10	450	.0	.0	.0	.0	6	6	0	<10	0

DREDGING OPERATIONS STUDY--Continued

291325091302800 ATCHAFALAYA BAY 2000 FEET SOUTHEAST OF ATCHAFALAYA RIVER CHANNEL AT MILE 155.4, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUL 07...	0	0	0	10	10	20	5.4	.00	0	0	1	.0

DATE	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)
JUL 07...	.0	4	.00	.0	.000	.0	.0	0	.000	2.0	.000	3.1

DATE	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUL 07...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUL 07...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.00	.01

291337091304000 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 155.4, NEAR MORGAN CITY, LA

DATE	TIME	COD IN BOT- TOM MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL ARSENIC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOT- TOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOT- TOM MA- TERIAL (UG/G)
JUL 07...	0955	37000	61100	7.8	4200	14	0	.31	<10	10	10	500

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291337091304000 ATCHAFALAYA BAY IN ATCHAFALAYA RIVER CHANNEL AT MILE 155.4, NEAR MORGAN CITY, LA--Continued

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	<10	0	20	0	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	0	.000	3.7	.000	.3	.000	.0	.00	.0	.000	.0

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	0	.00	.0	.00	.00	.00

291349091305200 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 155.4, NEAR MORGAN CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
JUL 07...	0950	11800	8.5	19000	1400	1300	110	270	2400	74	138	

DREDGING OPERATIONS STUDY--Continued

291349091305200 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 155.4, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	
JUL 07...	120	910	3800	17	18	43800	0	.00	.00	.10	.04	
DATE	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	
JUL 07...	3.2	.65	.42	.75	.46	2000	.75	.06	.01	2	0	
DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	
JUL 07...	2	3	0	0	0	0	0	0	0	.15	10	
DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	
JUL 07...	0	<10	0	2	2	<10	10	5	2	<10	30	
DATE	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)
JUL 07...	20	10	280	.0	.0	.0	.0	8	8	0	<10	0
DATE	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUL 07...	0	0	0	0	0	20	7.3	.00	0	0	2	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

291349091305200 ATCHAFALAYA BAY 2000 FEET NORTHWEST OF ATCHAFALAYA RIVER CHANNEL AT MILE 155.4, NEAR MORGAN CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)
JUL 07...	.0	4	.00	.0	.000	.4	.0	2	.000	2.6	.000	53

DATE	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
JUL 07...	.000	.0	.00	.0	.000	.2	.000	.000	.0	.00	.0	.000

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)
JUL 07...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUL 07...	.0	.00	.0	.00	.0	.0	0	.00	.0	.00	.01	.00

DREDGING OPERATIONS STUDY--Continued

294634092101100 FRESHWATER CANAL AT MILE 19.8, NEAR INTRACOASTAL CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
JUN 30...	1250	10200	7.3	30	45	1100	1100	83	220	2000	79	26
30...	1325	10200	7.2	30	45	1100	1100	80	220	1800	77	24
DATE	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
JUN 30...	44	64	0	53	400	3300	79	101	41500	23	<1.0	.05
30...	68	66	0	54	410	3300	71	106	48300	19	<1.0	.02
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
JUN 30...	.06	.11	.12	.06	8.9	.08	.98	.85	1.1	.19	.91	3600
30...	.02	.04	.11	.02	17	.03	1.3	1.1	1.4	.30	1.1	2100
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
JUN 30...	1.2	5.4	.12	.03	3	2	13	0	0	0	4	4
30...	1.4	6.4	.11	.02	2	2	18	0	0	0	2	2
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
JUN 30...	.19	10	1	<10	0	5	5	10	10	7	5	<10
30...	.21	20	7	<10	0	10	10	<10	30	6	0	20
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
JUN 30...	270	110	780	.0	.0	.0	13	10	3	<10	0	0
30...	290	90	520	.0	.0	.1	12	8	4	<10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294634092101100 FRESHWATER CANAL AT MILE 19.8, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)
JUN 30...	0	0	30	0	30	20	7.0	.00	0	1	0	.0
30...	0	0	20	0	20	20	5.9	.00	0	0	0	.0

DATE	TOTAL PCB (UG/L)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
JUN 30...	.0	.00	.000	.0	.0	3	.000	1.9	.000	.0	.000	.0
30...	.0	.00	.000	.0	.0	2	.000	<1.0	.000	.0	.000	.0

		DI- AZINON IN		DI- ELDRIN IN				ENDRIN IN		ETHION IN		HEPTA- CHLOR IN	
	TOTAL DI- AZINON	BOTTOM MA- TERIAL	TOTAL DI- ELDRIN	BOTTOM MA- TERIAL	TOTAL ENDO- SULFAN	TOTAL ENDRIN		BOTTOM MA- TERIAL	TOTAL ETHION	BOTTOM MA- TERIAL	TOTAL HEPTA- CHLOR	BOTTOM MA- TERIAL	TOTAL HEPTA- CHLOR EPOXIDE
DATE	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/L)		(UG/KG)	(UG/L)	(UG/KG)	(UG/L)	(UG/KG)	(UG/L)
JUN													
30...	.00	.0	.000	1.4	.000	.000		.0	.00	.0	.000	.0	.000
30...	.00	.0	.000	1.4	.000	.000		.0	.00	.0	.000	.0	.000

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)
JUN 30...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
30...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
JUN 30...	.00	.0	.00	.0	0	.00	.0	.00	.00	.00	--	--
30...	.00	.0	.00	.0	0	.00	.0	.05	.00	.00	--	--

DREDGING OPERATIONS STUDY--Continued

294336092143700 FRESHWATER CANAL AT MILE 14.4, NEAR INTRACOASTAL CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
JUN 30...	1135	7140	7.2	30	70	770	720	62	150	1300	77	20
30...	1215	7150	7.2	30	60	780	720	63	150	1300	77	20
DATE	DIS-SOLVED PHOSPHORUS (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
JUN 30...	46	69	0	57	270	2200	275	249	47300	4	<1.0	.19
30...	45	67	0	55	280	2300	252	260	57000	17	<1.0	.18
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
JUN 30...	.01	.20	.11	.00	8.4	.00	1.3	1.0	1.4	.40	1.0	3100
30...	.02	.20	.10	.01	5.9	.01	1.5	1.2	1.6	.40	1.2	3300
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
JUN 30...	1.6	7.1	.16	.01	3	2	14	0	0	0	0	0
30...	1.8	8.0	.16	.02	3	2	11	0	0	0	0	0
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
JUN 30...	.18	<10	0	10	0	7	5	10	20	7	0	<10
30...	.14	<10	0	<10	0	6	3	<10	10	6	0	<10
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
JUN 30...	380	10	400	.2	.0	.3	15	9	6	<10	0	0
30...	360	0	380	.0	.0	.2	13	8	5	<10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294336092143700 FRESHWATER CANAL AT MILE 14.4, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN 30...	0	0	40	0	40	20	5.4	.00	0	1	0	.0
30...	0	0	20	10	10	20	9.1	.00	0	2	0	.0

DATE	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
JUN 30...	.0	.00	.000	.0	.0	0	.000	.6	.000	.0	.000	.0
30...	.0	.00	.000	.0	.0	0	.000	.0	.000	.0	.000	.0

DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
JUN 30...	.01	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
30...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/L)	TOTAL LINDANE (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
JUN 30...	.0	.000	.0	.00	.0	.00	.0	.00	.0	.00	.0
30...	.0	.000	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUN 30...	.00	.0	.00	.0	0	.00	.0	.03	.00	.00	--	--
30...	.00	.0	.00	.0	0	.00	.0	.04	.00	.00	--	--

DREDGING OPERATIONS STUDY--Continued

293754092160500 FRESHWATER CANAL AT MILE 7.2, NEAR INTRACOASTAL CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
JUN 30...	1015	8990	7.3	50	250	980	900	81	190	1600	77	22
30...	1055	8830	7.4	50	50	980	890	78	190	1600	77	22
DATE	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
JUN 30...	56	103	0	84	330	2800	1980	1910	29900	140	<1.0	.25
30...	54	106	0	87	310	2800	812	818	--	19	<1.0	.25
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
JUN 30...	.02	.27	.12	.01	5.6	.01	2.6	.99	2.7	1.7	1.0	1800
30...	.02	.27	.12	.00	--	.00	2.3	1.3	2.4	1.1	1.3	--
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
JUN 30...	3.0	13	.43	.07	4	2	11	0	0	0	0	0
30...	2.7	12	.44	.03	4	2	--	0	0	--	0	0
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
JUN 30...	.10	<10	4	20	0	9	7	<10	10	7	0	10
30...	.13	<10	2	--	0	21	9	--	20	16	0	--
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
JUN 30...	370	0	310	.0	.0	.0	15	12	3	<10	0	0
30...	1500	0	--	.0	.0	--	28	22	6	--	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293754092160500 FRESHWATER CANAL AT MILE 7.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
30...	0	0	140	100	40	20	7.5	.00	0	1	1	.0
30...	0	--	80	60	20	--	3.6	.00	--	1	0	--
DATE	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)
JUN												
30...	.0	.00	.000	.0	.0	0	.000	.4	.000	.0	.000	.0
30...	.0	.00	.000	.0	.0	0	.000	.8	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
JUN												
30...	.00	.0	.000	.0	.000	.000	.0	.000	.0	.000	.0	.000
30...	.02	.0	.000	.3	.000	.000	.0	.000	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
JUN												
30...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
30...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUN												
30...	.00	.0	.00	.0	0	.00	.0	.04	.00	.00	2.95	.607
30...	.00	.0	.00	.0	0	.00	.0	.06	.00	.00	--	--

DREDGING OPERATIONS STUDY--Continued

293316092182000 FRESHWATER CANAL AT MILE 1.8, NEAR INTRACOASTAL CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO
JUN 30...	0910	23300	7.7	20	65	2800	2700	200	570	4800	77	39
30...	0940	23400	7.6	10	60	2800	2700	200	570	4800	77	39
DATE	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
JUN 30...	200	138	0	110	1100	8500	137	146	48200	69	<1.0	.20
30...	180	139	0	110	1100	8200	168	167	54200	11	<1.0	.20
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
JUN 30...	.03	.23	.19	.10	3.8	.13	1.3	.53	1.5	.87	.63	2000
30...	.04	.24	.18	.02	8.4	.03	1.3	.77	1.5	.71	.79	4800
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
JUN 30...	1.7	7.7	.16	.15	3	2	19	0	0	0	0	0
30...	1.7	7.7	.16	.04	3	2	6	0	0	0	0	0
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
JUN 30...	.18	<10	3	20	0	10	10	10	10	6	0	<10
30...	.22	10	2	20	0	11	11	10	10	6	0	<10
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
JUN 30...	190	20	500	.1	.0	.0	13	7	6	<10	0	0
30...	190	20	560	.2	.1	.0	14	8	6	<10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293316092182000 FRESHWATER CANAL AT MILE 1.8, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
JUN												
30...	0	0	40	0	40	20	6.2	.00	0	1	2	.0
30...	0	0	30	0	30	20	7.0	.00	0	1	--	.0
DATE	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)
JUN												
30...	.0	.00	.000	.0	.0	1	.000	.3	.000	.0	.000	.0
30...	.0	.00	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
JUN												
30...	.00	.0	.000	.6	.000	.000	.0	.00	.0	.000	.0	.000
30...	.02	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
JUN												
30...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
30...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUN												
30...	.00	.0	.00	.0	0	.00	.0	.16	.00	.00	--	--
30...	.00	.0	.00	.0	0	.00	.0	.30	.00	.00	3.09	.604

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293227092182400 FRESHWATER CANAL IN CHANNEL AT MILE 0.6, NEAR INTRACOASTAL CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 18...	1020	20700	7.9	25	50000	2.3	2500	2400	170	500	3800	75
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 18...	33	200	106	0	87	980	7000	72	85	59400	4	.20
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.01	.21	.29	.10	37	.13	.61	.40	.90	.40	.50	5800
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
MAR 18...	1.1	4.9	.13	.05	2	1	23	0	0	<10	0	0
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAR 18...	.24	30	30	0	60	0	7	5	2	20	10	4
DATE	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)
MAR 18...	4	0	<10	70	60	10	650	.7	.0	.7	.2	6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293227092182400 FRESHWATER CANAL IN CHANNEL AT MILE 0.6, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 18...	6	0	<10	0	0	0	0	40	10	30	60	3.7
DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)
MAR 18...	.00	0	2	1	.0	.0	0	.00	.0	.000	.0	.0
DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 18...	0	.000	4.0	.000	1.5	.000	.0	.0	.000	.0	.000	.000
DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 18...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0
DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 18...	.00	.0	.0	.00	0	0	.0	.00	.00	.00	6.71	.744

293102092184000 FRESHWATER CANAL IN CHANNEL AT MILE -1.0, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 18...	0958	19100	8.1	20	50000	1.5	2400	2300	170	470	3500	75

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293102092184000 FRESHWATER CANAL IN CHANNEL AT MILE -1.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 18...	31	190	106	0	87	980	6800	47	57	71500	0	.19
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.01	.20	.22	.06	44	.08	.67	.56	.89	.27	.62	8400
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
MAR 18...	1.1	4.8	.09	.02	1	1	16	0	0	<10	0	0
DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
MAR 18...	.24	20	20	0	50	0	4	1	3	10	10	2
DATE	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)
MAR 18...	2	0	<10	50	40	10	700	.0	.0	.0	1.4	4
DATE	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
MAR 18...	4	0	<10	0	0	0	0	50	40	10	50	4.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293102092184000 FRESHWATER CANAL IN CHANNEL AT MILE -1.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENEB (UG/L)	PCN TOTAL IN BOTTOM MATRL DRH FT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)
MAR 18...	.00	0	2	1	.0	.0	0	.00	.0	.000	.0	.0

DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELORIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 18...	0	.000	2.6	.000	.0	.000	.0	.0	.000	.0	.000	.000

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 18...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
MAR 18...	.0	.00	.0	.0	.00	0	0	.0	.00	.00	.00

293102092190700 FRESHWATER CANAL 500 YARDS WEST OF MILE -1.0, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 18...	0940	19100	8.2	20	30000	1.8	2400	2300	190	470	3600	75

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 18...	32	180	106	0	87	960	6800	57	60	23600	2	.22

DREDGING OPERATIONS STUDY--Continued

293102092190700 FRESHWATER CANAL 500 YARDS WEST OF MILE -1.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.01	.23	.24	.10	29	.13	.50	.30	.74	.34	.40	5200
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
MAR 18...	.97	4.3	.09	.02	1	0	15	0	0	<10	0	0
DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
MAR 18...	.23	20	0	70	0	35	0	10	10	6	0	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 18...	50	10	520	.0	.0	1.8	5	0	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 18...	50	10	40	60	5.2	.00	0	0	1	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
MAR 18...	.00	.0	.000	.0	.0	0	.000	6.2	.000	2.0	.000	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293102092190700 FRESHWATER CANAL 500 YARDS WEST OF MILE -1.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
MAR 18...	.00	.0	.0000	.0	.0000	.0000	.0	.00	.0	.0000	.0	.0000
DATE	HEPTA-CHLOR EPOXIDE IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT-TOM MA-TERIALS (UG/KG DRY SOLIDS)
MAR 18...	.0	.0000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR 18...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	1.69	.208

293005092183100 FRESHWATER CANAL 300 YARDS EAST OF MILE -2.2, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TUR-BID-ITY (JTU)	COD IN BOTTOM MA-TERIAL (MG/KG)	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 18...	0845	18700	8.2	25	40000	1.6	2300	2200	160	450	3400	75
DATE	SODIUM AD-SORP-TION RATIO	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	LOSS ON IGNI-TION IN BOT-TOM MA-TERIAL (MG/KG)	VOL. NON-FILT-RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 18...	31	170	106	0	87	940	6500	67	62	55300	9	.20
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO-GEN (N) (MG/L)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL AMMONIA NITRO-GEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.01	.21	.29	.07	17	.09	.65	.60	.94	.27	.67	5300

DREDGING OPERATIONS STUDY--Continued

293005092183100 FRESHWATER CANAL 300 YARDS EAST OF MILE -2.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)
MAR 18...	1.2	5.1	.12	.02	1	1	14	0	0	<10	0	0
DATE	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
MAR 18...	.32	20	0	60	0	27	3	10	10	0	0	<10
DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)
MAR 18...	60	10	420	.0	.0	1.5	8	0	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
MAR 18...	30	0	40	50	4.5	.00	0	1	1	100	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
MAR 18...	.00	.0	.000	.0	.0	0	.000	1.8	.000	.6	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)
MAR 18...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293005092183100 FRESHWATER CANAL 300 YARDS EAST OF MILE -2.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
MAR 18...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 18...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	4.05	.199

293005092185100 FRESHWATER CANAL IN CHANNEL AT MILE -2.2, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 18...	0900	18400	8.2	25	50000	2.3	2100	2000	150	430	3400	76

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 18...	32	180	106	0	87	880	6500	59	63	71400	9	.20

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.02	.22	.36	.09	94	.12	.74	.25	1.1	.76	.34	7300

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
MAR 18...	1.3	5.8	.11	.03	1	0	21	0	0	<10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293005092185100 FRESHWATER CANAL IN CHANNEL AT MILE -2.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
MAR 18...	.79	20	0	60	0	25	8	10	10	0	0	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 18...	60	10	600	.0	.0	3.3	6	0	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 18...	50	40	10	60	5.6	.00	0	1	0	.0	.0	0
DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
MAR 18...	.00	.0	.000	.0	.0	0	.000	4.9	.000	2.8	.000	.0
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
MAR 18...	.00	.0	.000	.4	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
MAR 18...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293005092185100 FRESHWATER CANAL IN CHANNEL AT MILE -2.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 18...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.495	.065

293005092191700 FRESHWATER CANAL 500 YARDS WEST OF MILE -2.2, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 18...	0920	18600	8.2	20	50000	2.5	2100	2000	150	420	3300	75

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 18...	31	180	108	0	89	880	6400	49	55	71000	4	.19

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.01	.20	.27	.08	26	.10	.64	.25	.91	.58	.33	6200

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
MAR 18...	1.1	4.9	.11	.03	1	1	25	0	0	<10	12	0

DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
MAR 18...	.45	20	0	60	0	5	2	10	10	0	0	<10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293005092191700 FRESHWATER CANAL 500 YARDS WEST OF MILE -2.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)
MAR 18...	50	10	800	.0	.0	.0	5	0	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
MAR 18...	50	40	10	50	6.1	.00	0	1	0	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
MAR 18...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)
MAR 18...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRITHION (UG/L)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
MAR 18...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PERTHANE TOTAL (UG/L)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRIETHION (UG/L)	TRIETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
MAR 18...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	4.24	.159

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292915092190000 FRESHWATER CANAL IN CHANNEL AT MILE -3.2, NEAR INTRACOASTAL CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
MAR 18...	0800	19500	8.5	15	50000	3.7	2200	2100	150	450	3600	76	
DATE		SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	
MAR 18...	33	180	96	6	89	930	6900	45	53	71600	5	.09	
DATE		TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.01	.10	.36	.07	27	.09	.74	.39	1.1	.64	.46	7000	
DATE		TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)
MAR 18...	1.2	5.3	.10	.03	1	1	17	0	0	<10	0	0	
DATE		TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
MAR 18...	.48	20	0	40	0	4	2	10	10	0	0	<10	
DATE		TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)
MAR 18...	40	10	580	1.7	.2	1.5	23	0	<10	0	0		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292915092190000 FRESHWATER CANAL IN CHANNEL AT MILE -3.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
MAR 18...	50	40	10	60	5.6	.00	0	0	0	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
MAR 18...	.00	.0	.000	.0	.0	0	.000	5.9	.000	2.2	.000	.0
DATE	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
MAR 18...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
MAR 18...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
MAR 18...	.00	.0	.00	0	0	.00	.0	.03	.00	.00	5.56	.264

292915092192600 FRESHWATER CANAL 500 YARDS WEST OF MILE -3.2, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 18...	0825	19400	8.4	5	50000	2.8	2300	2200	170	450	3500	75

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292915092192600 FRESHWATER CANAL 500 YARDS WEST OF MILE -3.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 18...	32	180	102	3	89	930	6900	32	27	80700	8	.07
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 18...	.01	.08	.25	.03	20	.04	.65	.42	.90	.45	.45	6600
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
MAR 18...	.98	4.3	.06	.02	1	1	19	0	0	<10	0	0
DATE	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
MAR 18...	1.89	20	0	40	0	3	0	10	10	0	0	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 18...	30	10	480	.0	.0	.6	3	0	<10	0	0	0
DATE	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 18...	30	20	10	60	1.3	.00	0	0	0	.0	.0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292915092192600 FRESHWATER CANAL 500 YARDS WEST OF MILE -3.2, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)
MAR 18...	.00	.0	.000	.0	.0	0	.000	7.8	.000	3.1	.000	.7
DATE	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
MAR 18...	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)
MAR 18...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 18...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	1.85	.116

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300410092401000 MERMENAU RIVER AT MILE 51.9, NEAR LAKE ARTHUR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
SEP 07...	1000	119	7.4	70	10	33	0	8.5	2.9	8.0	4.4	48
DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)
SEP 07...	0	39	3.7	12	14	14	9	<1.0	3	1	2	10
DATE	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP 07...	10	0	0	0	.26	10	0	0	2	2	420	1
DATE	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
SEP 07...	0	90	0	100	.0	.0	.0	5	3	2	2	0
DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)		
SEP 07...	2	10	10	.0	7	.00	.0	.000	.2	.0		
DATE	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)		
SEP 07...	0	.00	.0	.000	4.6	.000	.0	.00	.0	.004		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

300410092401000 MERMENTAU RIVER AT MILE 51.9, NEAR LAKE ARTHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DI-ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
SEP 07...	.6	.000	.000	.0	.00	.0	.000	.0	.000	.0

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)
SEP 07...	.000	.0	.00	.0	.00	.03	.0	.00	.0	.00

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
SEP 07...	.0	.00	.0	.0	0	.00	.0	.35	.08	.01

300315092415300 MERMENTAU RIVER AT MILE 49.5, NEAR LAKE ARTHUR, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	
SEP 07...	1030	112	7.4	90	15	37	0	10	2.8	7.7	4.3	45

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)
SEP 07...	0	37	3.6	12	17	17	3	<1.0	1	0	1	10

DATE	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP 07...	0	10	<10	0	.18	10	0	0	<10	3	360	<100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300315092415300 MERMENAU RIVER AT MILE 49.5, NEAR LAKE ARTHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)
SEP 07...	1	60	0	60	.0	.0	.0	<50	<48	2	2	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)		
SEP 07...	2	10	10	.0	10	.00	.0	.000	.0	.0		
DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)		
SEP 07...	6	.000	8.1	.004	6.1	.000	.0	.00	.0	.000		
DATE	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)		
SEP 07...	3.4	.000	.000	.0	.00	.0	.000	.0	.000	.0		
DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)		
SEP 07...	.000	.0	.00	.0	.00	.03	.0	.00	.0	.00		
DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)		
SEP 07...	.0	.00	.0	.0	0	.00	.0	.30	.08	.00		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

300230092442800 MERMENTAU RIVER AT MILE 46.7, NEAR LAKE ARTHUR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
SEP 07...	1050	111	7.5	110	20	32	0	8.2	2.8	7.7	4.2	45

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)
SEP 07...	0	37	3.8	9.5	14	14	<1.0	2	0	2	10	0

DATE	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
SEP 07...	10	<10	0	.13	10	0	0	<10	5	250	<100	0

DATE	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)
SEP 07...	60	0	60	.0	.0	.0	<50	<48	2	0	0

DATE	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLYCHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)
SEP 07...	0	20	10	.0	1	.00	.0	.000	.2	.0

DATE	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DIAZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)
SEP 07...	1	.000	2.8	.000	1.9	.000	.0	.00	.2	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

300230092442800 MERMENTAU RIVER AT MILE 46.7, NEAR LAKE ARTHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DI-ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
SEP 07...	3.8	.000	.000	.0	.00	.0	.000	.0	.000	.0

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)
SEP 07...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
SEP 07...	.0	.00	.0	.0	0	.00	.0	.24	.06	.01

300145092460000 MERMENTAU RIVER AT MILE 44.7, NEAR LAKE ARTHUR, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	
SEP 07...	1115	112	7.4	90	20	32	0	7.5	3.2	12	4.4	44

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)
SEP 07...	0	36	4.2	19	14	14	9	<1.0	2	0	3	0

DATE	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)
SEP 07...	0	0	1	1	1.9	20	0	0	8	3	270	2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

300145092460000 MERMENTAU RIVER AT MILE 44.7, NEAR LAKE ARTHUR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)
SEP 07...	1	70	0	70	.0	.0	.0	5	2	3	0	0
DATE	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)		
SEP 07...	0	10	10	.0	7	.00	.0	.000	.0	.0		
DATE	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)		
SEP 07...	4	.000	3.6	.000	5.9	.000	.0	.00	.0	.004		
DATE	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)		
SEP 07...	2.4	.000	.000	.0	.00	.0	.000	.0	.000	.0		
DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)		
SEP 07...	.000	.0	.00	.0	.00	.03	.0	.00	.0	.00		
DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)		
SEP 07...	.0	.00	.0	.0	0	.00	.0	.21	.06	.01		

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294308093001800 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -0.4, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0915	31000	7.8	5	70	20000	3800	3700	270	770	6800	78
DATE	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	48	270	126	0	100	1500	11000	372	362	35500	30	.18
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
MAR 25...	.03	.21	.10	23	.13	1.2	1.3	.00	1.3	2600	1.5	6.7
DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)
MAR 25...	.26	.04	5	5	0	10	10	0	10	0	0	0
DATE	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)
MAR 25...	.15	0	30	30	0	10	0	7	5	2	<10	60
DATE	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)
MAR 25...	16	16	0	<10	540	530	10	600	.0	.0	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294308093001800 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -0.4, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	14	14	0	<10	0	0	0	0	60	40	20	40

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	3.6	.00	0	2	1	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)
MAR 25...	.0	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000

DATE	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 25...	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 25...	.0	.00	.0	.0	.00	0	0	.0	.00	.00	.00	9.24

CHLOR-B
PHYTO-
PLANK-
TON
CHROMO
SPECT.
(UG/L)

MAR
25... 6.78

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294308093003700 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -0.4, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0900	31100	7.8	5	80	20000	3900	3800	280	770	6900	78
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	48	270	126	0	100	1500	13000	283	278	36100	28	.17
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
MAR 25...	.03	.20	.07	23	.09	.93	1.0	.00	1.0	2800	1.2	5.3
DATE	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)
MAR 25...	.22	.04	4	3	1	15	10	10	0	0	0	0
DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)
MAR 25...	0	.11	30	30	0	10	0	6	6	0	<10	20
DATE	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)
MAR 25...	13	13	0	<10	460	450	10	600	.0	.0	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294308093003700 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -0.4, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA-TERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)
MAR 25...	12	12	0	<10	0	0	0	0	60	40	20	40

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA-TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT-TOM MA-TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA-TERIAL (UG/KG)	POLY-CHLORINATED NAPHTHA-LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)
MAR 25...	4.5	.00	0	1	0	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)
MAR 25...	.0	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000

DATE	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	MALA-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)
MAR 25...	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00

DATE	METHYL PARA-THION IN BOT-TOM MA-TERIAL (UG/KG)	METHYL TRI-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT-TOM MA-TERIALS DRY SOLIDS (UG/KG)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	CHLOR-A PHYTO-PLANK-TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO SPECT. (UG/L)
MAR 25...	.0	.0	.00	.0	.0	.00	0	0	.0	.71	.525

294308093005400 MERMENTAU RIVER OUTLET 500 YARDS WEST OF EAST CHANNEL AT MILE -0.4, NEAR GRAND CHENIER, LA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	COD IN BOTTOM MA-TERIAL (MG/KG)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0845	31400	7.8	5	40	10000	3900	3800	260	780	7000	78

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294308093005400 MERMENTAU RIVER OUTLET 500 YARDS WEST OF EAST CHANNEL AT MILE -0.4, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SURP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	49	330	127	0	100	1600	12000	133	120	46000	9	.21
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL- NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
MAR 25...	.02	.23	.12	6.0	.15	.56	.68	.00	.68	5400	.91	4.0
DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)
MAR 25...	.11	.06	1	1	0	19	10	0	10	0	0	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 25...	0	08	10	10	0	20	0	4	2	2	<10	110
DATE	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	0	0	0	<10	120	100	20	620	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	6	6	0	<10	0	0	0	0	30	10	20	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294308093005400 MERMENTAU RIVER OUTLET 500 YARDS WEST OF EAST CHANNEL AT MILE -0.4, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	4.1	.00	0	0	2	.0	.0	0	.00	.0	.000	.0
DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)
MAR 25...	.0	0	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000
DATE	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 25...	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0
DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 25...	.0	.00	.0	.0	.00	0	0	.0	.00	.00	.00	7.43
DATE	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)											
MAR 25...	6.16											

294255093001900 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0800	31000	7.8	5	50	30000	4000	3800	280	790	6800	77

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294255093001900 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FIL- TRABLE RESIDUE (MG/L)	SUS- PEN- DED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FIL- TRABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	47	290	127	0	100	1400	12000	161	149	61900	14	.18
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PEN- DED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
MAR 25...	.02	.20	.16	39	.21	.52	.71	.03	.68	6500	.91	4.0
DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PEN- DED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PEN- DED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PEN- DED CAD- MIUM (CD) (UG/L)
MAR 25...	.13	.04	1	0	1	23	0	0	0	0	1	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PEN- DED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PEN- DED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 25...	1	.09	30	30	0	10	0	3	0	3	<10	30
DATE	TOTAL LEAD (PB) (UG/L)	SUS- PEN- DED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PEN- DED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PEN- DED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	5	5	0	<10	220	200	20	760	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS- PEN- DED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PEN- DED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PEN- DED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	8	8	0	<10	0	0	0	0	30	10	20	100

DREDGING OPERATIONS STUDY--Continued

294255093001900 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, QATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	4.8	.00	0	0	4	.0	.0	0	.00	.0	.000	.0

DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	.0	0	.000	.0	.000	.0	.000	.0	.00	.0	.000	.0

DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)
MAR 25...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0	.00

DATE	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)
MAR 25...	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 25...	0	.00	.0	.00	.00	.00	1.54	.174

294255093003700 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHQS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0815	31100	7.8	5	50	30000	3800	3700	270	770	6900	78

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294255093003700 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SURP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	48	270	126	0	100	1500	11000	123	126	54600	17	.18
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
MAR 25...	.02	.20	.12	12	.15	.53	.67	.02	.65	5000	.87	3.9
DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAR 25...	.12	.04	1	1	0	22	10	10	0	0	0	0
DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)
MAR 25...	0	.18	30	30	0	10	0	2	2	0	<10	40
DATE	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	7	7	0	<10	220	200	20	600	.0	.0	.0	.0
DATE	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	9	9	0	<10	0	0	0	0	30	10	20	30

DREDGING OPERATIONS STUDY--Continued

294255093003700 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	4.7	.00	0	1	1	.0	.0	0	.00	.0	.000	.0
DATE	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	.0	0	.000	1.3	.000	.8	.000	.0	.00	.0	.000	.4
DATE	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)
MAR 25...	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0	.00
DATE	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)
MAR 25...	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	0
DATE			TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)		
MAR 25...			0	.00	.0	.00	.00	.00	8.56	8.32		

294255093005200 MERMENTAU RIVER OUTLET 500 YARDS WEST OF EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0830	31600	7.8	5	55	20000	3900	3800	270	780	7000	78

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294255093005200 MERMENTAU RIVER OUTLET 500 YARDS WEST OF EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SURP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	49	280	126	0	100	1500	12000	162	155	55900	20	.18
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 25...	.03	.21	.06	.06	18	.08	.72	.72	.78	.00	.78	5000
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	.99	4.4	.13	.04	1	1	0	25	10	10	0	0
DATE	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
MAR 25...	0	0	0	.04	40	40	0	10	0	3	3	0
DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)
MAR 25...	<10	20	7	7	0	<10	240	230	10	620	.0	.0
DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)
MAR 25...	.0	.0	8	8	0	<10	0	0	0	0	40	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294255093005200 MERMENTAU RIVER OUTLET 500 YARDS WEST OF EAST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED ZINC (Zn) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT-TOM MA-TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA-TERIAL (UG/KG)	POLY-CHLO-RINATED NAPHTHA-LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
MAR 25...	20	60	5.1	.00	0	2	0	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA-TERIAL (UG/KG)	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)
MAR 25...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.00	.0
DATE	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
MAR 25...	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0	.000
DATE	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL METHOXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT-TOM MA-TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)
MAR 25...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
DATE	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TION CHROMO SPECT. (UG/L)	CHLOR-B PHYTO-PLANK-TION CHROMO SPECT. (UG/L)		
MAR 25...	.00	0	0	.00	.0	.00	.00	.00	.71	.468		

294433093062800 MERMENTAU RIVER OUTLET 500 YARDS EAST OF WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	1250	34600	7.8	10	100	20000	4400	4300	290	890	7700	78

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294433093062800 MERMENTAU RIVER OUTLET 500 YARDS EAST OF WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	51	310	130	0	110	1900	13000	290	275	38700	21	.18
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 25...	.03	.21	.23	.17	4.5	.22	.97	.30	1.2	.73	.47	3200
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	1.4	6.2	.25	.05	3	3	0	15	10	10	0	0
DATE	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
MAR 25...	0	0	0	.04	30	30	0	10	0	4	4	0
DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)
MAR 25...	<10	20	6	6	0	<10	340	320	20	400	.0	.0
DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)
MAR 25...	.0	.0	12	12	0	<10	0	0	0	0	40	20
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
MAR 25...	20	30	3.2	.00	0	0	3	.0	.0	0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294433093062800 MERMENTAU RIVER OUTLET 500 YARDS EAST OF WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)
MAR 25...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.0	.000

DATE	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)
MAR 25...	.0	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0

DATE	TOTAL METHOXY-CHLOR (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)
MAR 25...	.00	.0	.0	.00	.0	.0	.00	0	0	.0	.00	.00

DATE	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO SPECT. (UG/L)
MAR 25...	.00	1.99	.348

294441093070400 MERMENTAU RIVER OUTLET AT WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COU IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	1235	35000	7.8	15	75	30000	4500	4400	300	910	7700	77
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	50	310	130	0	110	1800	13000	225	245	41100	28	.16

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294441093070400 MERMENTAU RIVER OUTLET AT WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL KJEL- NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)
MAR 25...	.04	.20	.22	4.0	.72	.94	3400	1.1	5.0	.24	3	3
DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)
MAR 25...	0	16	10	0	10	0	0	0	0	.09	30	30
DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	0	10	0	4	3	1	<10	30	7	7	0	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	330	300	30	520	.0	.0	.0	.5	10	10	0	<10
DATE	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	
MAR 25...	0	0	0	0	40	20	20	40	5.2	.00	0	
DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	
MAR 25...	0	0	.0	.0	0	.00	.0	.000	.0	.0	0	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294441093070400 MERMENTAU RIVER OUTLET AT WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)
MAR 25...	.000	.0	.000	.0	.000	.0	.0	.000	.0	.000	.000

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 25...	.0	.0	.000	.0	.000	.0	.000	.0	.0	.00	.0

DATE	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
MAR 25...	.0	.00	.0	.0	.00	0	0	.0	.00	.00	.00

294447093072500 MERMENTAU RIVER OUTLET 500 YARDS WEST OF WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	1220	35300	7.8	5	85	--	4500	4400	290	920	7700	77

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	50	320	128	0	110	1800	13000	207	202	10000	22	.15

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
MAR 25...	.03	.18	.22	.12	1.0	.15	.52	.64	370	.15	.04	3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294447093072500 MERMENTAU RIVER OUTLET 500 YARDS WEST OF WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D ARSE NIC (AS) (UG/L)	DIS- SOLVED ARSE NIC (AS) (UG/L)	TOTAL ARSE NIC IN BOT TOM MA- TER IAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOT TOM MA- TER IAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOT TOM MA- TER IAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
MAR 25...	3	0	3	10	0	10	0	0	0	0	.02	20
DATE	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOT TOM MA- TER IAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOT TOM MA- TER IAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 25...	20	0	<10	0	4	0	4	<10	20	7	7	0
DATE	TOTAL LEAD IN BOT TOM MA- TER IAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOT TOM MA- TER IAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT TOM MA- TER IAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 25...	<10	350	320	30	250	.4	.4	.0	.0	10	10	0
DATE	TOTAL NICKEL IN BOT TOM MA- TER IAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT TOM MA- TER IAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT TOM MA- TER IAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT TOM MA- TER IAL (UG/G)
MAR 25...	<10	0	0	0	0	50	30	20	20	4.5	.00	0
DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT TOM MA- TER IAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT TOM MA- TER IAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT TOM MA- TER IAL (UG/KG)	TOTAL DDD (UG/L)
MAR 25...	0	2	.0	.0	0	.00	.0	.000	.0	.0	0	.000
DATE	DDD IN BOT TOM MA- TER IAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT TOM MA- TER IAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT TOM MA- TER IAL (UG/KG)	DI- AZINON IN BOT TOM MA- TER IAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT TOM MA- TER IAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT TOM MA- TER IAL (UG/KG)	ETHION IN BOT TOM MA- TER IAL (UG/KG)
MAR 25...	.0	.000	.0	.000	.0	.0	.000	.0	.000	.00	.0	.0

DREDGING OPERATIONS STUDY--Continued

294447093072500 MERMENTAU RIVER OUTLET 500 YARDS WEST OF WEST CHANNEL AT MILE -0.7, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)
MAR 25...	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0	.00

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 25...	.0	.0	.00	0	0	.0	.00	.00	.00	.97	.702

294235093002100 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -1.0, NEAR GRAND CHENIER, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOT- TOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0745	31100	7.8	5	45	30000	3700	3600	200	770	6500	78

DATE	SODIUM AD- SURP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOT- TOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	47	270	126	0	100	1900	12000	104	124	66300	22	.18

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)
MAR 25...	.02	.20	.24	16	.61	.85	6700	1.1	4.6	.12	1	0

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)
MAR 25...	1	16	0	0	0	0	0	0	0	.14	40	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294235093002100 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -1.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOT- TOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOT- TOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOT- TOM MA- TERIAL (UG/G)
MAR 25...	10	<10	0	4	1	3	<10	40	5	2	3	<10
DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT- TOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOT- TOM MA- TERIAL (UG/G)
MAR 25...	190	160	30	600	.2	.0	.2	.0	7	7	0	<10
DATE	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)
MAR 25...	0	0	0	0	50	30	20	30	5.1	0	0	.0
DATE	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)
MAR 25...	.0	0	.00	.0	.000	.0	.0	0	.000	1.0	.000	1.1
DATE	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
MAR 25...	.000	.0	.00	.0	.000	.0	.000	.000	.0	.00	.0	.000
DATE	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL THION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 25...	.0	.000	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0

DREDGING OPERATIONS STUDY--Continued

294235093002100 MERMENTAU RIVER OUTLET 500 YARDS EAST OF EAST CHANNEL AT MILE -1.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAR 25...	.0	.00	.0	.00	0	0	.00	.0	.01	.01	.00	.000

CHLOR-B
PHYTO-
PLANK-
TON
CHROMO
FLUOROM
(UG/L)

DATE

MAR
25... .000

294235093003600 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -1.0, NEAR GRAND CHENIER, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0730	31200	7.8	5	40	10000	4000	3900	280	810	6800	77

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	47	280	126	0	100	1700	12000	119	110	58400	0	.19

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
MAR 25...	.02	.21	.20	.10	6.0	.13	.54	.64	7600	.10	.04	1

DATE	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
MAR 25...	0	1	14	10	0	10	0	0	0	0	.14	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294235093003600 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -1.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOT- TOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOT- TOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 25...	20	0	<10	0	6	0	6	<10	30	0	0	0
DATE	TOTAL LEAD IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOT- TOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOT- TOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)
MAR 25...	<10	160	150	10	520	.0	.0	.0	.0	7	7	0
DATE	TOTAL NICKEL IN BOT- TOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOT- TOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOT- TOM MA- TERIAL (UG/G)
MAR 25...	<10	0	0	0	0	30	10	20	20	4.9	.00	0
DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOT- TOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)
MAR 25...	0	1	.0	.0	0	.00	.0	.000	.0	.0	0	.000
DATE	DDT IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOT- TOM MA- TERIAL (UG/KG)	ETHION IN BOT- TOM MA- TERIAL (UG/KG)
MAR 25...	1.6	.000	.8	.000	.0	.0	.000	.0	.000	.000	.0	.0
DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	
MAR 25...	.000	.0	.000	.0	.000	.0	.0	.00	.0	.0	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294235093003600 MERMENTAU RIVER OUTLET AT EAST CHANNEL AT MILE -1.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 25...	.0	.0	.00	0	0	.0	.00	.00	.00	--	--

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COL IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	0705	32000	7.8	5	40	20000	4100	4000	280	820	7000	77

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	48	280	127	0	100	1800	12000	131	140	71800	23	.25

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED: PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
MAR 25...	.02	.27	.32	.18	7.5	.23	1.0	1.2	7300	.11	.04	2

DATE	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)
MAR 25...	2	0	19	10	0	10	0	1	0	1	.07	10

DATE	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAR 25...	10	0	10	0	4	2	2	<10	20	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294235093005000 MERMENTAU RIVER OUTLET 500 YARDS WEST OF EAST CHANNEL AT MILE -1.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	170	10	550	.0	.0	.3	7	0	<10	0	0	0
	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	50	30	20	20	3.8	.00	0	0	0	.0	.0	0
	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
MAR 25...	.00	.0	.000	.0	.0	0	.000	.0	.000	.0	.000	.00
	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
MAR 25...	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000	.0
	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	
MAR 25...	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	
	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
MAR 25...	.00	.0	.00	0	0	.00	.0	.00	.00	.00	.85	.642

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294404093063700 MERMENTAU RIVER OUTLET 500 YARDS EAST OF WEST CHANNEL AT MILE -1.4, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
MAR 25...	1140	34300	7.8	15	30	40000	4300	4200	300	860	7600	78	
DATE		SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	51		310	129	0	110	1600	13000	83	93	81200	11	.18
DATE		TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
MAR 25...		.02	.20	.18	.18	14	.23	.26	.26	.44	.00	.44	7300
DATE		TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)
MAR 25...		.64	2.8	.09	.04	1	1	0	18	0	0	0	0
DATE		TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)
MAR 25...		0	0	0	.21	40	40	0	10	0	1	1	0
DATE		TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)
MAR 25...		<10	30	4	4	0	<10	110	90	20	400	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES.

DREDGING OPERATIONS STUDY--Continued

294404093063700 MERMENTAU RIVER OUTLET 500 YARDS EAST OF WEST CHANNEL AT MILE -1.4, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)
MAR 25...	.7	.0	7	7	0	<10	0	0	0	0	20	10
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
MAR 25...	10	20	3.6	.00	0	0	4	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)
MAR 25...	.000	.0	.0	0	.000	2.3	.000	.0	.000	.0	.0	.000
DATE	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	.5	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0
DATE	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)
MAR 25...	.00	.0	.0	.00	.0	.0	.00	0	0	.0	.00	.00
DATE	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)									
MAR 25...	.00	.92	.525									

DREDGING OPERATIONS STUDY--Continued

294410093071400 MERMENTAU RIVER OUTLET AT WEST CHANNEL AT MILE -1.4, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	1155	34300	7.9	5	30	20000	4400	4300	290	900	7600	77
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	50	300	129	0	110	1600	13000	94	88	71800	5	.17
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
MAR 25...	.02	.19	.12	.12	22	.15	.43	.43	.55	.00	.55	7300
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)
MAR 25...	.74	3.3	.09	.05	1	1	0	14	10	0	10	0
DATE	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)
MAR 25...	0	0	0	.30	50	50	0	<10	0	1	1	0
DATE	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)
MAR 25...	<10	180	4	4	0	<10	100	80	20	420	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294410093071400 MERMENTAU RIVER OUTLET AT WEST CHANNEL AT MILE -1.4, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)
MAR 25...	.0	.0	5	3	2	<10	0	0	0	0	40	10
DATE	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)
MAR 25...	30	30	4.2	.00	0	0	0	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)
MAR 25...	.000	.0	.0	0	.000	5.2	.000	1.6	.000	.0	.0	.000
DATE	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)
MAR 25...	.0	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0
DATE	TOTAL METH-CHLOR (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG SOLIDS)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)
MAR 25...	.00	.0	.0	.00	.0	.0	.00	0	0	.0	.00	.00
DATE						TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO SPECT. (UG/L)				
MAR 25...						.00	.92	.291				

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294415093073400 MERMENAU RIVER OUTLET 500 YARDS WEST OF WEST CHANNEL AT MILE -1.4, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COU IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	1210	34300	7.9	10	25	0	4400	4300	290	890	7600	78
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	50	300	129	0	110	1500	12000	78	67	64700	9	.18
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)
MAR 25...	.02	.20	.18	.12	7.0	.15	.27	.24	.45	.09	.36	6500
DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)
MAR 25...	.65	2.9	.07	.04	1	1	0	14	0	0	0	0
DATE	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
MAR 25...	0	0	0	.15	40	40	0	<10	0	0	0	0
DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)
MAR 25...	<10	30	0	0	0	<10	80	60	20	420	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294415093073400 MERMENTAU RIVER OUTLET 500 YARDS WEST OF WEST CHANNEL AT MILE -1.4, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)
MAR 25...	.0	.0	4	4	0	<10	0	0	0	0	30	10

DATE	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)
MAR 25...	20	30	4.0	.00	0	0	3	.0	.0	0	.00	.0

DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)
MAR 25...	.000	.0	.0	0	.000	3.4	.000	.0	.000	.0	.0	.000

DATE	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)
MAR 25...	.0	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0

DATE	TOTAL METH-OXY-CHLOR (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)
MAR 25...	.00	.0	.0	.00	.0	.0	.00	0	0	.0	.00	.00

DATE	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO SPECT. (UG/L)
MAR 25...	.00	1.20	.525

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294335093065000 MERMENTAU RIVER OUTLET 500 YARDS EAST OF WEST CHANNEL AT MILE -2.0, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CGD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	1120	33600	7.9	5	25	20000	4300	4200	280	870	7400	78
DATE	SODIUM ADSORPTION RATIO	DISSOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	49	310	130	0	110	1800	12000	92	86	46100	12	.19
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
MAR 25...	.01	.20	.16	.12	4.0	.15	.51	.30	.67	.25	.42	4100
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)
MAR 25...	.87	3.9	.08	.06	1	1	0	13	10	0	10	0
DATE	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)
MAR 25...	0	0	0	.07	30	30	0	10	0	1	1	0
DATE	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)
MAR 25...	<10	20	0	0	0	<10	70	50	20	400	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294335093065000 MERMENTAU RIVER OUTLET 500 YARDS EAST OF WEST CHANNEL AT MILE -2.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)
MAR 25...	.0	.9	5	5	0	<10	0	0	0	0	30	10
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
MAR 25...	20	30	5.0	.00	0	0	0	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)
MAR 25...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.0	.000
DATE	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	.0	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0
DATE	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)
MAR 25...	.00	.0	.0	.00	.0	.0	.00	0	0	.0	.00	.00
DATE					TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)					
MAR 25...					.00	2.53	.668					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294343093072300 MERMENTAU RIVER OUTLET AT WEST CHANNEL AT MILE -2.0, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAR 25...	1100	34300	7.9	5	25	20000	4400	4300	290	900	7700	78
DATE	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)
MAR 25...	50	310	130	0	110	1900	13000	98	73	54200	8	.17
DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL. NITROGEN (N) (MG/L)	DISSOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
MAR 25...	.02	.19	.15	.13	16	.17	.24	.24	.39	.02	.37	4000
DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)
MAR 25...	.58	2.6	.09	.06	1	1	0	17	10	0	10	0
DATE	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)
MAR 25...	0	0	0	.21	50	50	0	10	0	0	0	0
DATE	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)
MAR 25...	<10	60	0	0	0	<10	80	60	20	400	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294343093072300 MERMENTAU RIVER OUTLET AT WEST CHANNEL AT MILE -2.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)
MAR 25...	.0	1.6	4	4	0	<10	0	0	0	0	20	0
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
MAR 25...	20	30	1.2	.00	0	0	0	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)
MAR 25...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.0	.000
DATE	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIIN (UG/L)	ENDRIIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)
MAR 25...	.0	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0
DATE	TOTAL METH- OXY- CHLOR (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)
MAR 25...	.00	.0	.0	.00	.0	.0	.00	0	0	.0	.00	.00
DATE			TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)							
MAR 25...			.00	.88	.585							

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294350093074300 MERMENIAU RIVER OUTLET 500 YARDS WEST OF WEST CHANNEL AT MILE -2.0, NEAR GRAND CHENIER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
MAR 25...	1045	34700	7.9	5	25	20000	4400	4300	290	890	7700	78	
DATE		SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	
MAR 25...	51		310	130	0	110	1800	13000	81	68	40900	20	.17
DATE		TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUS-PENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)
MAR 25...		.02	.19	.14	.11	4.0	.14	.41	.41	.55	.03	.52	6000
DATE		TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)
MAR 25...		.74	3.3	.09	.07	1	1	0	13	10	0	10	0
DATE		TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)
MAR 25...		0	0	0	.12	60	60	0	10	0	0	0	0
DATE		TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)
MAR 25...		<10	20	0	0	0	<10	80	60	20	300	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294350093074300 MERMENTAU RIVER OUTLET 500 YARDS WEST OF WEST CHANNEL AT MILE -2.0, NEAR GRAND CHENIER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS-PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)
MAR 25...	.0	.3	4	4	0	<10	0	0	0	0	30	20
DATE	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)
MAR 25...	10	20	3.6	.00	0	0	0	.0	.0	0	.00	.0
DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDU IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)
MAR 25...	.000	.0	.0	0	.000	.0	.000	.0	.000	.0	.0	.000
DATE	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIIN (UG/L)	ENDRIIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALA-THION IN BOTTOM MATERIAL (UG/KG)
MAR 25...	.0	.000	.000	.0	.0	.000	.0	.000	.0	.000	.0	.0
DATE	TOTAL METH-OXY-CHLOR (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG SOLIDS)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)
MAR 25...	.00	.0	.0	.00	.0	.0	.00	0	0	.0	.00	.00
DATE					TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO SPECT. (UG/L)					
MAR 25...					.00	.46	.364					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294204093200200 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -4.3, NEAR CAMERON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
DEC												
22...	1330	1.0	38300	8.1	15	10	4700	4600	310	960	8700	79
22...	1331	15	38100	8.1	20	10	4800	4600	320	960	8800	79
22...	1332	30	41900	8.1	15	45	5000	4900	350	1000	9600	79
22...	1410	1.0	38500	8.1	15	30	4800	4700	320	980	8800	78
22...	1411	15	39700	8.1	15	80	5000	4800	340	1000	8800	78
22...	1412	30	41900	8.1	15	40	5400	5300	360	1100	9400	78
22...	1510	1.0	38400	8.1	10	10	4800	4700	320	980	8400	78
22...	1511	15	40500	8.1	10	15	5000	4900	350	1000	9200	79
22...	1512	30	42200	8.1	10	15	5400	5300	360	1100	9600	78
22...	1605	1.0	38900	8.1	10	7	4800	4700	320	970	8800	78
22...	1606	15	41500	8.1	10	10	5400	5300	350	1100	9600	78
22...	1607	30	42500	8.1	10	20	5400	5300	350	1100	10000	79

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)
DEC												
22...	55	340	136	0	112	2000	14000	19	19	2	<1.0	.04
22...	56	360	138	0	113	2000	14000	17	15	0	<1.0	.04
22...	59	370	148	0	121	2200	15000	101	110	8	<1.0	.02
22...	55	340	138	0	113	2000	15000	83	87	7	<1.0	.02
22...	54	380	143	0	117	2100	15000	276	271	23	<1.0	.02
22...	56	390	146	0	120	2200	16000	93	102	10	<1.0	.01
22...	53	350	138	0	113	2000	14000	20	20	7	<1.0	.02
22...	57	370	144	0	118	2100	15000	30	37	6	<1.0	.02
22...	57	380	148	0	121	2200	16000	37	39	6	<1.0	.01
22...	55	360	142	0	116	2000	15000	12	9	1	<1.0	.01
22...	57	440	144	0	118	2200	16000	17	23	1	<1.0	.01
22...	59	400	144	0	118	2200	16000	37	34	2	<1.0	.02

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)
DEC												
22...	.01	.05	.15	.13	.17	.49	.34	.64	.17	.47	.69	3.1
22...	.01	.05	.15	.15	.19	.34	.34	.49	.00	.49	.54	2.4
22...	.01	.03	.16	.16	.21	.48	.29	.64	.19	.45	.67	3.0
22...	.01	.03	.15	.13	.17	.32	.26	.47	.08	.39	.50	2.2
22...	.01	.03	.18	.15	.19	.64	.34	.82	.33	.49	.85	3.8
22...	.01	.02	.17	.15	.19	.44	.38	.61	.08	.53	.63	2.8
22...	.01	.03	.15	.11	.14	.34	.33	.49	.05	.44	.52	2.3
22...	.01	.03	.14	.14	.18	.33	.33	.47	.00	.47	.50	2.2
22...	.01	.02	.13	.13	.17	.43	.43	.56	.00	.56	.58	2.6
22...	.01	.02	.17	.17	.22	.28	.28	.45	.00	.45	.47	2.1
22...	.01	.02	.14	.14	.18	.27	.27	.41	.00	.41	.43	1.9
22...	.00	.02	.16	.13	.17	.36	.12	.52	.27	.25	.54	2.4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294204093200200 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -4.3, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PEN- DED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PEN- DED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PEN- DED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CH6) (UG/L)
DEC												
22...	.03	1	0	1	0	0	0	0	0	0	10	0
22...	.03	1	0	1	0	0	0	0	0	0	10	0
22...	.04	1	1	0	0	0	0	0	0	0	20	0
22...	.03	1	0	1	0	0	0	0	0	0	10	0
22...	.04	2	1	1	10	0	10	1	1	0	20	0
22...	.03	2	2	0	0	0	0	0	0	0	20	0
22...	.04	1	0	1	0	0	0	0	0	0	10	0
22...	.04	1	0	1	0	0	0	0	0	0	10	0
22...	.03	1	0	1	0	0	0	0	0	0	10	0
22...	.03	1	0	1	0	0	0	0	0	0	20	0
22...	.04	1	0	1	0	0	0	0	0	0	20	0
22...	.03	1	0	1	0	0	0	0	0	0	20	0

DATE	TOTAL COPPER (CU) (UG/L)	SUS- PEN- DED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PEN- DED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PEN- DED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)
DEC												
22...	2	0	2	20	0	0	0	50	10	40	.0	.0
22...	7	1	6	20	3	1	2	50	10	40	.0	.0
22...	8	6	2	20	3	1	2	180	140	40	.0	.0
22...	2	0	2	20	4	3	1	60	30	30	.0	.0
22...	10	8	2	30	7	7	0	160	120	40	.0	.0
22...	8	6	2	30	5	5	0	120	90	30	.0	.0
22...	3	1	2	20	2	1	1	40	10	30	.0	.0
22...	5	2	3	20	3	1	2	50	10	40	.0	.0
22...	6	4	2	20	4	4	0	60	20	40	.0	.0
22...	1	1	0	10	0	0	0	40	10	30	.0	.0
22...	3	0	3	10	0	0	0	50	20	30	.0	.0
22...	9	7	2	20	0	0	0	60	20	40	.0	.0

DATE	TOTAL NICKEL (NI) (UG/L)	SUS- PEN- DED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)
DEC												
22...	1	0	1	0	0	20	20	4.3	.00	2	1	.0
22...	0	0	0	0	0	40	40	4.2	.00	2	0	.0
22...	3	2	1	0	0	40	30	6.2	.00	2	0	.0
22...	1	0	1	0	0	20	20	8.5	.00	1	7	.0
22...	--	--	0	0	0	30	20	12	.00	2	3	.0
22...	1	1	0	0	0	30	20	9.8	.00	2	0	.0
22...	2	2	0	0	0	20	10	4.0	.00	2	6	.0
22...	0	0	0	0	0	30	30	4.2	.00	2	0	.0
22...	0	0	0	0	0	30	30	4.2	.00	1	0	.0
22...	2	2	0	0	0	20	20	--	.00	1	0	.0
22...	1	0	1	0	0	20	20	4.3	.00	0	4	.0
22...	1	0	1	0	0	40	40	4.6	.00	0	0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294204093200200 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -4.3, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
DEC												
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
22...	.00	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
DEC												
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.51	.234
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	.88	.234
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	3.06	.955
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	2.12	.114
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.09	.234
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	.96	.582
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	2.05	.468
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	--	--
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.16	.582
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	2.46	.702
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.37	.582
22...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	3.01	.468

294054093202000 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
DEC												
29...	1015	1.0	33400	8.1	15	10	4200	4100	270	850	7600	79
29...	1016	15	39200	8.1	10	65	4900	4800	320	1000	9200	79
29...	1017	28	42700	8.2	5	95	5800	5700	360	1200	10000	78
29...	1020	1.0	40400	8.1	10	65	4900	4800	330	1000	9600	80
29...	1021	15	43400	8.1	5	80	5800	5700	360	1200	10000	77
29...	1022	28	42600	8.0	0	40	5800	5700	360	1200	10000	77
29...	1115	1.0	33800	8.1	10	10	4300	4200	270	870	7500	78
29...	1116	15	38300	8.1	5	10	4900	4800	320	990	9000	79
29...	1117	28	45200	8.1	0	45	5900	5700	370	1200	10000	77
29...	1215	1.0	33800	8.2	5	85	4300	4200	270	870	7600	78
29...	1216	15	40400	8.1	5	20	5400	5300	340	1100	9200	77
29...	1217	28	45700	8.1	0	15	5900	5800	390	1200	11000	79

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294054093202000 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
DEC												
29...	51	250	117	0	96	1700	12000	22	23	1	.05	.01
29...	57	300	135	0	111	1900	15000	174	195	14	.03	.00
29...	57	330	148	0	121	2300	17000	23	23	1	.01	.00
29...	59	350	137	0	112	2100	16000	182	185	12	.03	.01
29...	57	400	148	0	121	2300	17000	343	353	25	.01	.01
29...	57	390	140	0	115	2300	16000	93	90	5	.00	.01
29...	50	290	121	0	99	1800	12000	31	33	3	.04	.01
29...	56	330	135	0	111	2000	15000	27	24	4	.03	.01
29...	57	400	153	0	126	2400	17000	110	115	8	.01	.01
29...	51	280	121	0	99	1800	13000	22	20	0	.05	.01
29...	55	360	142	0	116	2000	15000	57	60	2	.05	.00
29...	62	390	152	0	125	2500	18000	28	29	0	.01	.01

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
DEC												
29...	.06	.11	.11	.14	.52	.52	.63	.00	.63	.69	3.1	.05
29...	.03	.15	--	--	.48	--	.63	.51	.12	.66	2.9	.03
29...	.01	.11	.10	.13	.16	.00	.27	.18	.10	.28	1.2	.03
29...	.04	.18	.13	.17	.56	.49	.74	.12	.62	.78	3.5	.03
29...	.02	.18	.14	.18	.64	.18	.82	.50	.32	.84	3.7	.04
29...	.01	.09	.09	.12	.41	.41	.50	.00	.50	.51	2.3	.03
29...	.05	.13	.12	.15	.48	.41	.61	.08	.53	.66	2.9	.02
29...	.04	.12	.11	.14	--	.60	--	--	.71	--	--	.03
29...	.02	.16	.14	.18	.46	.17	.62	.31	.31	.64	2.8	.05
29...	.06	.12	.10	.13	.46	.40	.58	.08	.50	.64	2.8	.02
29...	.05	.16	.12	.15	.21	.20	.37	.05	.32	.42	1.9	.03
29...	.02	.15	.15	.19	.13	.13	.28	.00	.28	.30	1.3	.04

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
DEC												
29...	1	1	0	6	6	0	0	0	0	20	0	3
29...	2	2	0	6	6	0	0	0	0	30	0	3
29...	0	0	0	7	7	0	0	0	0	20	0	3
29...	2	2	0	5	5	0	0	0	0	30	0	9
29...	2	2	0	6	6	0	0	0	0	30	0	13
29...	0	0	0	6	6	0	0	0	0	30	0	14
29...	1	0	1	7	7	0	0	0	0	20	0	3
29...	1	0	1	7	7	0	0	0	0	30	0	7
29...	2	1	1	8	0	8	0	0	0	30	0	9
29...	1	1	0	7	7	0	0	0	0	30	0	2
29...	1	1	0	7	7	0	0	0	0	20	0	5
29...	1	0	1	--	--	0	0	0	0	30	0	3

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294054093202000 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)
DEC												
29...	0	3	30	0	0	0	50	20	30	.1	.1	2
29...	0	3	30	0	0	0	50	20	30	.1	.1	14
29...	0	3	20	0	0	0	50	10	40	.1	.0	2
29...	7	2	20	7	7	0	260	220	40	.1	.0	11
29...	13	0	20	5	5	0	180	150	30	.1	.1	8
29...	12	2	20	7	7	0	200	160	40	.1	.1	11
29...	0	3	20	3	0	3	50	20	30	.1	.0	2
29...	4	3	20	6	4	2	120	80	40	.1	.1	4
29...	7	2	20	4	2	2	290	240	50	.1	.0	7
29...	0	2	30	0	0	0	50	20	30	.1	.1	6
29...	3	2	20	2	2	0	70	20	50	.1	.1	17
29...	0	3	20	0	0	0	70	30	40	.1	.1	

DATE	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)
DEC 29...	2	0	0	0	0	20	20	--	.00	2	2	.00
29...	14	0	0	0	0	--	40	9.4	.00	2	2	.00
29...	2	0	0	0	0	20	20	8.7	.00	1	2	.00
29...	11	0	0	0	0	40	20	13	.00	12	2	.00
29...	8	0	1	1	0	40	20	11	.00	0	28	.00
29...	11	0	0	0	0	40	30	1.8	.00	4	7	.00
29...	2	0	0	0	0	10	10	8.5	.00	1	0	.00
29...	2	2	0	0	0	50	20	8.1	.00	1	0	.00
29...	5	2	1	1	0	40	20	5.6	.00	0	0	.00
29...	6	0	0	0	0	10	10	6.6	.00	1	0	.00
29...	17	0	0	0	0	20	20	5.6	.00	1	0	.00
29...	1	0	0	0	0	100	100	3.5	.00	3	2	.00

[illegible]

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294054093202000 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
DEC												
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	3.35	.936
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	2.05	.642
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	.75	.582
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	.82	.582
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.37	.582
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	.82	.468
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	4.45	.582
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	6.18	.348
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.57	.948
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	4.93	.468
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.43	1.17
29...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	1.09	.816

293947093193600 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -7.0, NEAR CAMERON, LA

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
DEC												
16...	0930	1.0	37000	8.0	10	4600	4500	310	920	7700	77	50
16...	0931	15	41900	7.9	5	4900	4800	330	990	8900	78	55
16...	0932	28	42100	8.0	5	5400	5300	360	1100	9500	78	56
16...	0935	1.0	38500	8.0	5	4900	4800	320	990	8700	78	54
16...	0936	15	41700	7.9	5	5000	4900	350	1000	9500	78	59
16...	0937	28	42700	8.0	5	5400	5300	360	1100	9500	77	56
16...	1045	1.0	38000	8.0	5	4800	4700	310	970	8600	78	54
16...	1046	15	42200	8.0	5	5400	5300	350	1100	9500	78	56
16...	1047	28	42800	8.0	5	5400	5300	360	1100	9700	78	57
16...	1215	1.0	39000	7.9	5	4900	4800	320	1000	8800	78	55
16...	1216	15	42400	8.0	0	5400	5300	350	1100	9600	78	57
16...	1217	28	42200	8.0	5	5400	5300	350	1100	9500	78	56

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	VOL- NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
DEC												
16...	360	134	0	110	1700	14000	18	29	0	<1.0	.02	.01
16...	450	150	0	123	2200	16000	8	4	0	<1.0	.00	.01
16...	450	150	0	123	2200	16000	2	7	0	<1.0	.01	.00
16...	370	140	0	115	2000	15000	85	87	7	<1.0	.03	.00
16...	600	140	0	115	2200	17000	384	387	28	--	.01	.01
16...	500	150	0	123	2200	17000	10	10	0	<1.0	.00	.01
16...	330	140	0	115	1900	14000	10	7	2	<1.0	.03	.01
16...	370	148	0	121	2100	16000	5	9	2	<1.0	.01	.00
16...	390	152	0	125	2200	17000	11	16	2	--	.01	.01
16...	340	140	0	115	2000	15000	7	13	2	--	.02	.01
16...	390	149	0	122	2100	16000	7	11	2	<1.0	.01	.01
16...	370	151	0	124	2100	16000	7	10	2	<1.0	.01	.01

DREDGING OPERATIONS STUDY--Continued

293947093193600 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -7.0, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL- NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)
DEC												
16...	.03	--	.18	.23	--	.46	--	--	.64	--	--	.03
16...	.01	.09	.09	.12	.32	.32	.41	.00	.41	.42	1.9	.03
16...	.01	.12	.12	.15	.23	.23	.35	.00	.35	.36	1.6	.04
16...	.03	.14	.11	.14	.42	.42	.56	.03	.53	.59	2.6	.06
16...	.02	.14	.13	.17	.96	.35	1.1	.62	.48	1.1	5.0	.04
16...	.01	.10	.09	.12	.31	.25	.41	.07	.34	.42	1.9	.03
16...	.04	.14	.14	.18	.31	--	.45	--	--	.49	2.2	.08
16...	.01	.10	.10	.13	--	.32	--	--	.42	--	--	.05
16...	.02	.16	.16	.21	.28	.28	.44	.00	.44	.46	2.0	.04
16...	.03	.10	.10	.13	.45	.33	.55	.12	.43	.58	2.6	.04
16...	.02	.08	.08	.10	.27	.27	.35	.00	.35	.37	1.6	.05
16...	.02	.11	.08	.10	.31	.20	.42	.14	.28	.44	1.9	.06

DATE	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
DEC												
16...	1	1	0	0	0	0	0	0	0	10	0	3
16...	1	0	1	0	0	0	0	0	0	20	0	4
16...	1	0	1	0	0	0	0	0	0	10	0	4
16...	2	1	1	10	10	0	0	0	0	20	0	2
16...	4	3	1	0	0	0	0	0	0	30	0	13
16...	1	0	1	0	0	0	0	0	0	20	0	4
16...	1	0	1	10	10	0	0	0	0	10	0	3
16...	1	0	1	10	10	0	0	0	0	10	0	6
16...	2	1	1	10	10	0	0	0	0	20	0	5
16...	1	0	1	0	0	0	0	0	0	20	0	2
16...	1	1	0	10	10	0	0	0	0	20	0	8
16...	1	1	0	20	20	0	0	0	0	20	0	5

DATE	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)
DEC												
16...	0	3	40	2	2	0	40	10	30	.1	.1	.0
16...	0	4	20	3	3	0	40	40	0	.2	.2	.0
16...	0	4	30	3	3	0	40	0	40	.1	.0	.1
16...	0	2	20	0	0	0	450	420	30	.0	.0	.0
16...	11	2	140	16	16	0	420	410	10	.0	.0	.0
16...	1	3	30	5	5	0	150	150	0	.0	.0	.0
16...	0	3	10	0	0	0	40	10	30	.0	.0	.0
16...	3	3	10	2	2	0	40	10	30	.0	.0	.0
16...	2	3	30	2	2	0	100	30	70	.0	.0	.0
16...	0	2	30	--	--	0	40	20	20	.0	.0	.0
16...	3	5	20	2	2	0	40	10	30	.0	.0	.0
16...	1	4	30	0	0	0	50	10	40	.0	.0	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293947093193600 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -7.0, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NICKEL (NI) (UG/L)	CIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
DEC												
16...	0	0	1	1	--	30	5.2	.00	3	0	.0	.00
16...	0	0	0	0	30	30	8.2	.00	4	1	.0	.00
16...	4	0	1	1	90	50	6.8	.00	4	0	.0	.00
16...	3	0	1	1	20	20	4.7	.00	1	--	.0	.00
16...	16	0	1	1	--	20	6.2	.00	5	0	.0	.00
16...	3	0	0	0	50	40	6.6	.00	4	1	.0	.00
16...	2	0	0	0	10	10	6.2	.00	2	0	.0	.00
16...	2	0	0	0	30	30	4.4	.00	1	0	.0	.00
16...	2	0	0	0	30	30	14	.00	1	0	.0	.00
16...	2	2	0	0	10	10	7.4	.00	2	0	.0	.00
16...	2	0	1	1	20	20	7.8	.00	0	0	.0	.00
16...	2	2	0	0	30	30	6.2	.00	0	0	.0	.00

DATE	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)
DEC												
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)
DEC											
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	64.0	6.26
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	.54	.057
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	2.63	.479
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	1.06	.482
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	--	--
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	.92	.057
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	.51	.291
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	.51	.408
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	1.35	.362
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	1.71	.234
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	1.23	.408
16...	.00	.00	.00	.00	0	.00	.00	.00	.00	1.44	.234

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294530093201200 GULF OF MEXICO 300 YARDS EAST OF CALCASIEU SHIP CHANNEL AT MILE -0.4, NEAR CAMERON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
JUN 29...	0845	.09	.03	.0	.00	.000	.0	.000	.000	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
JUN 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00	.00	.00	.00	.0	.00	.08	.00	.00

294524093203600 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -0.4, NEAR CAMERON, LA

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
JUN 29...	0835	.08	.24	.0	.00	.000	.0	.000	.00	.000

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
JUN 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00	.00	.00	.00	.0	.00	.33	.00	.00

ANALYSIS OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294522093205900 GULF OF MEXICO 300 YARDS WEST OF CALCASIEU SHIP CHANNEL AT MILE -0.4, NEAR CAMERON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUN 29...	0815	42000	8.0	5400	5300	360	1100	10000	79	59	370	136
DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	
JUN 29...	0	110	2300	18000	99	91	<8	.01	.01	.02	.28	
DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	
JUN 29...	.23	.30*	.07	.03	2	2	10	0	0	0	30	
DATE	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)	
JUN 29...	5	0	7	0	30	8	0	120	50	.3	.0	
DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN 29...	.3	.0	10	6	4	0	0	0	20	0	20	4.5
DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)
JUN 29...	.00	0	0	.00	.0	.0	0	.00	1.1	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294522093205900 GULF OF MEXICO 300 YARDS WEST OF CALCASIEU SHIP CHANNEL AT MILE -0.4, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)
JUN 29...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
JUN 29...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0

DATE	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00	.00	.0	0	0	.00	.0	.19	.02	.00

294054093193500 GULF OF MEXICO 300 YARDS EAST OF CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
JUN 29...	0940	0	.0	.0	.00	.00	.0	.00	.00	.00

DATE	TOTAL CI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
JUN 29...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00	.00	.00	.00	0	.00	.08	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

294054093195000 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
JUN 29...	0925	0	.4	.0	.00	.00	.0	.00	.00	.00

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
JUN 29...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL METHYL THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00	.00	.00	.00	0	.00	.06	.00	.00

294054093202000 GULF OF MEXICO 300 YARDS WEST OF CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
JUN 29...	0910	43700	8.1	5900	5700	370	1200	11000	79	63	390	143

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
JUN 29...	0	120	2300	19000	62	51	<9	.00	.01	.01	.26

DATE	DIS- SOLVED NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUN 29...	.14	.18	.69	.83	.05	.03	2	2	10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

294054093202000 GULF OF MEXICO 300 YARDS WEST OF CALCASIEU SHIP CHANNEL AT MILE -5.6, NEAR CAMERON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)
JUN 29...	0	20	4	0	4	4	20	3	0	50	50

DATE	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
JUN 29...	.0	.0	.0	5	3	0	0	0	30	10	20	5.1

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)
JUN 29...	.00	0	2	.00	.0	.0	0	.00	2.4	.00	.0	.00

DATE	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
JUN 29...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0

DATE	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)
JUN 29...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00	.0	.00	.0	0	0	.00	.0	.00	.04	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293543093173400 GULF OF MEXICO 300 YARDS EAST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
JUN 29...	1055	0	.0	.0	.00	.00	.0	.00	.00	.00

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
JUN 29...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL METHYL THION (UG/L)	TOTAL METHYL THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00*	.00	.00	.00	0	.00	.13	.00	.00

293620093190500 GULF OF MEXICO IN CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA

DATE	TIME	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)
JUN 29...	1040	0	.3	.0	.00	.00	.0	.00	.00	.00

DATE	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
JUN 29...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	TOTAL METHYL THION (UG/L)	TOTAL METHYL THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JUN 29...	.00	.00	.00	.00	0	.00	.04	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

293619093190600 GULF OF MEXICO 300 YARDS WEST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUN 29...	1030	44200	8.3	6300	6200	380	1300	10000	76	55	400	147
DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	
JUN 29...	0	120	2300	18000	43	39	<6	.01	.00	.01	.15	
DATE	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	
JUN 29...	.15	.19	.92	1.1	.04	.03	3	1	10	0	2	
DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	
JUN 29...	2	40	7	0	3	2	10	4	3	60	50	
DATE	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	
JUN 29...	.1	.1	.0	6	2	0	0	30	20	.00	0	
DATE	OIL AND GREASE (MG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	
JUN 29...	0	0	.4	0	1.3	1.2	.0	.0	.0	.0	.0	
DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	
JUN 29...	.0	.0	.0	.0	.0	.0	0	.0	.00	.00	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290843089250000 TIGER PASS AT MILE 8.2, NEAR VENICE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL BERYLLIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MA-TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA-TERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MA-TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA-TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA-TERIAL (UG/G)	PCB IN BOTTOM MA-TERIAL (UG/KG)
OCT 05...	1620	17	<10	<10	30	<10	1400	.0	75	0
08...	0900	7	<10	<10	30	<10	1400	.0	90	0

DATE	PCN TOTAL IN BOTTOM MA-TERIAL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	CHLORDANE IN BOTTOM MA-TERIAL (UG/KG)	DDD IN BOTTOM MA-TERIAL (UG/KG)	DDE IN BOTTOM MA-TERIAL (UG/KG)	DDT IN BOTTOM MA-TERIAL (UG/KG)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)
OCT 05...	.0	.0	1	.6	.0	.0	.0	.0	.0
08...	.0	.0	2	.4	.5	.0	.0	.0	.0

DATE	ETHION IN BOTTOM MA-TERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MA-TERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	MALATHION IN BOTTOM MA-TERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MA-TERIAL (UG/KG)	METHYL TRIETHION IN BOTTOM MA-TERIAL (UG/KG)	PARATHION IN BOTTOM MA-TERIAL (UG/KG)	TRIETHION IN BOTTOM MA-TERIAL (UG/KG)
OCT 05...	.0	.0	.0	.0	.0	.0	.0	.0	.0
08...	.0	.0	.0	.0	.0	.0	.0	.0	.0

290807089263000 GULF OF MEXICO 1.0 MILE SOUTHWEST OF TIGER PASS, NEAR VENICE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT 05...	1600	13900	8.2	15	--	1600	1500	140	300	2500	110	169
08...	0830	28400	8.0	20	24	3600	3500	240	720	5500	230	161

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)
OCT 05...	0	139	660	4600	32	25	6	.01	.01	.14	--
08...	0	132	1400	10000	81	72	8	.00	.01	.10	.09

DATE	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA-TERIAL (UG/G)	TOTAL BERYLLIUM IN BOTTOM MA-TERIAL (UG/L)
OCT 05...	.65	--	.79	--	.81	--	2	0	2	11	0
08...	.30	.30	.40	.39	.41	.07	2	0	2	8	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

290807089263000 GULF OF MEXICO 1.0 MILE SOUTHWEST OF TIGER PASS, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT											
05...	0	0	<10	0	0	0	<10	40	25	0	6
08...	0	0	<10	0	0	0	<10	30	25	0	6

DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
OCT											
05...	5	20	20	4	2	<10	120	80	40	70	.2
08...	4	10	60	3	0	<10	120	110	10	470	.0

DATE	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT											
05...	.1	.1	.0	11	0	11	0	0	0	0	--
08...	.0	.0	.0	3	0	3	0	0	0	0	--

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
OCT											
05...	40	20	60	3.6	.00	4	0	.0	0	.00	.0
08...	50	20	60	4.4	.00	1	0	.0	4	.00	.0

DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT											
05...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
08...	.00	.0	.0	3	.00	1.1	.00	.7	.00	.0	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
OCT											
05...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
08...	.0	.00	.3	.00	.0	.00	.0	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

290807089263000 GULF OF MEXICO 1.0 MILE SOUTHWEST OF TIGER PASS, NEAR VENICE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
OCT 05...	.01	.0	.00	.0	.00	.0	.00	.0	.00	.0	0
08...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 05...	0	.00	.0	.00	.01	.00
08...	0	.00	.0	.00	.01	.00

285900089073000 SOUTH PASS AT MILE 14.0 BHP, NEAR PORT EADS, LA

DATE	TIME	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	PCB IN BOTTOM MA- TERIAL (UG/KG)
OCT 07...	1315	4	<10	<10	15	<10	95	.0	25	0
07...	1430	5	<10	<10	20	<10	150	.0	30	0

DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)
OCT 07...	.0	.0	0	.5	.0	.0	.0	.0	.0
07...	.0	.0	2	1.3	.0	.0	.0	.0	.0

DATE	ETHION IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)
OCT 07...	.0	.0	.0	.0	.0	.0	.0	.0	.0
07...	.0	.0	.0	.0	.0	.0	.0	.0	.0

285818089065600 GULF OF MEXICO 2.0 MILES SOUTHEAST OF SOUTH PASS JETTY, NEAR PORT EADS, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)
OCT 07...	1330	28700	8.1	7	3500	3400	250	700	5700	230	160
07...	1415	21500	8.1	5	2500	2400	190	500	3900	170	162

DREDGING OPERATIONS STUDY--Continued

285818089065600 GULF OF MEXICO 2.0 MILES SOUTHEAST OF SOUTH PASS JETTY, NEAR PORT EADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
OCT 07...	0	131	1400	10000	60	49	6	.09	.01	.09	.09
07...	0	133	1000	7400	44	37	0	.29	.02	--	.16

DATE	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOL- VED PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
OCT 07...	.38	.47	.13	2	1	1	3	10	10	0
07...	.31	.47	.13	2	1	1	5	10	10	0

DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
OCT 07...	<10	0	0	0	<10	40	20	0	5	5
07...	<10	0	0	0	<10	30	20	0	6	6

DATE	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
OCT 07...	<10	30	2	0	<10	110	100	10	100	.1
07...	<10	70	0	0	<10	50	20	30	75	.1

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 07...	.0	.1	.0	3	0	3	0	0	0	0	--
07...	.0	.1	.0	5	0	5	0	0	0	0	--

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)
OCT 07...	30	30	35	4.5	.00	2	0	.0	2	.00	.0
07...	30	30	30	4.0	.00	1	0	.0	0	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

285818089065600 GULF OF MEXICO 2.0 MILES SOUTHEAST OF SOUTH PASS JETTY, NEAR PORT EADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
OCT 07...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
07...	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
07...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
OCT 07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0
07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 07...	0	.00	.0	.00	.00	.00
07...	0	.00	.0	--	--	--

285237089260300 GULF OF MEXICO IN SOUTHWEST PASS CHANNEL AT MILE 21.8 BHP, NEAR BURRWOOD, LA

DATE	TIME	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)
OCT 07...	0930	10	<10	<10	35	<10	560	.1	75
07...	1115	9	<10	<10	20	<10	560	.1	60

DATE	PCB IN BOTTOM MA- TERIAL (UG/KG)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)
OCT 07...	57	.0	.0	20	1.2	1.7	.9	.0	1.1
07...	76	.0	.0	11	3.0	1.8	1.1	.0	.8

DREDGING OPERATIONS STUDY--Continued

285237089260300 GULF OF MEXICO IN SOUTHWEST PASS CHANNEL AT MILE 21.8 BHP, NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)
OCT									
07...	1.1	1.1	1.1	.2	.0	.0	.0	.0	.0
07...	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
OCT										
07...	0920	32700	8.1	6	4200	4100	290	840	6600	160
07...	1130	43500	8.2	2	5500	5400	380	1100	9600	157

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)
OCT											
07...	0	131	1600	12000	44	29	6	.11	.03	.15	.15
07...	0	129	2300	17000	77	69	6	.01	.01	.11	.11

DATE	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)
OCT											
07...	.30	.30	.45	.45	.59	.11	2	1	1	10	10
07...	.05	.05	.36	.16	.38	.05	1	0	1	3	10

DATE	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT										
07...	10	0	<10	0	0	0	<10	30	30	6
07...	10	0	<10	0	0	0	<10	40	25	3

DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
OCT											
07...	5	20	30	2	0	<10	50	20	30	500	.1
07...	3	20	70	1	0	<10	60	0	60	1100	.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

285240089263400 GULF OF MEXICO 500 YARDS WEST OF SOUTHWEST PASS AT MILE 21.8 BHP, NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
OCT											
07...	.0	.1	.0	3	1	2	0	0	0	0	30
07...	.0	.1	.0	2	0	2	0	0	0	0	50

DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)
OCT											
07...	30	70	3.6	.00	1	0	.0	43	.00	.0	.00
07...	40	80	1.8	.00	1	0	.0	26	.00	.0	.00

DATE	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
OCT											
07...	.0	.0	11	.00	3.8	.00	.0	.00	.0	.00	.0
07...	.0	.0	6	.00	4.1	.00	2.6	.00	.0	.00	.0

DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
OCT											
07...	.00	.6	.00	.0	.00	.0	.00	.0	.00	.0	.00
07...	.00	2.8	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
OCT										
07...	.7	.00	.0	.00	.0	.00	.0	.00	.0	0
07...	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT						
07...	0	.00	.0	.00	.01	.00
07...	0	.00	.0	.00	.00	.00

DREDGING OPERATIONS STUDY--Continued

293053092184400 GULF OF MEXICO IN FRESHWATER DISTRIBUTION CHANNEL AT MILE -1.0, NEAR INTRACOASTAL CITY, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	PCB IN BOTTOM MATERIAL (UG/KG)
OCT 21...	1015	13	0	<10	<10	25	1000	.1	50	0
21...	1130	12	0	<10	<10	<10	1900	.2	70	0

DATE	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)
OCT 21...	.0	.0	0	1.6	1.0	.0	.0	.0	.0	.0
21...	.0	.0	0	1.2	1.2	.0	.0	.0	.0	.0

DATE	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRIETHION IN BOTTOM MATERIAL (UG/KG)	MIREX IN BOTTOM MATERIALS DRY SOLIDS (UG/KG)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TRITHION IN BOTTOM MATERIAL (UG/KG)
OCT 21...	.0	.0	.0	.0	.0	.0	.0	.0	.0
21...	.0	.0	.0	.0	.0	.0	.0	.0	.0

293056092190700 GULF OF MEXICO 300 YARDS WEST OF FRESHWATER BAYOU CHANNEL AT MILE -1.0, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TURBIDITY (JTU)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT 21...	1030	42100	8.0	20	5300	5200	300	1100	9000	330	152
21...	1145	41800	8.0	20	5300	5200	300	1100	9000	330	152

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)
OCT 21...	0	125	2000	16000	41	38	3	.03	.01	.15	.10
21...	0	125	2100	16000	88	75	3	.06	.01	.16	.10

DATE	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)
OCT 21...	.45	.18	.60	.28	.64	.05	2	1	1	10	10
21...	.37	.20	.53	.30	.60	.05	2	0	2	14	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

293056092190700 GULF OF MEXICO 300 YARDS WEST OF FRESHWATER BAYOU CHANNEL AT MILE -1.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	
OCT												
21...	10	0	0	2	0	2	0	30	<10	0	6	
21...	10	0	0	1	1	0	0	<10	<10	0	4	
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	
OCT												
21...	6	10	50	3	0	50	90	50	40	850	.2	
21...	2	20	80	1	0	<10	100	60	40	920	.1	
DATE	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT												
21...	.1	.1	.1	6	1	5	0	0	0	0	--	40
21...	.0	.1	.1	3	1	2	0	0	0	0	--	40
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	
OCT												
21...	30	60	4.6	.00	1	1	.0	0	.00	.0	.00	
21...	30	70	3.8	.00	0	0	.0	0	.00	.0	.00	
DATE	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	
OCT												
21...	.0	.0	0	.00	2.3	.00	.7	.00	.0	.00	.0	
21...	.0	.0	0	.00	2.1	.00	.7	.00	.0	.00	.0	
DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	
OCT												
21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	
21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	

DREDGING OPERATIONS STUDY--Continued

293056092190700 GULF OF MEXICO 300 YARDS WEST OF FRESHWATER BAYOU CHANNEL AT MILE -1.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
OCT											
21...	.0	.00	.0	.00	.0	.00	.0	.0	.00	.0	0
21...	.0	.00	.0	.00	.0	.00	.0	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT						
21...	0	.00	.0	.00	.00	.00
21...	0	.00	.0	.00	.00	.00

292930092190000 GULF OF MEXICO IN FRESHWATER DISTRIBUTION CHANNEL AT MILE -2.0, NEAR INTRACOASTAL CITY, LA

DATE	TIME	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	PCB IN BOTTOM MA- TERIAL (UG/KG)
OCT										
21...	1045	15	0	<10	<10	<10	2300	.2	50	0
21...	1200	13	0	<10	<10	38	2300	.1	50	0

DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
OCT										
21...	.0	.0	0	3.9	1.8	.0	.0	.0	.0	.0
21...	.0	.0	0	2.1	.8	.0	.0	.0	.0	.0

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)
OCT									
21...	.0	.0	.0	.0	.0	.0	.0	.0	.0
21...	.0	.0	.0	.0	.0	.0	.0	.0	.0

292936092192400 GULF OF MEXICO 300 YARDS WEST OF FRESHWATER BAYOU CHANNEL AT MILE -2.0, NEAR INTRACOASTAL CITY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TUR- BID- ITY (JTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)
OCT											
21...	1100	42600	8.1	20	5300	5200	300	1100	9300	360	152
21...	1215	42700	8.1	15	5300	5100	290	1100	8700	330	152

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

292936092192400 GULF OF MEXICO 300 YARDS WEST OF FRESHWATER BAYOU CHANNEL AT MILE -2.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	VOL- NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	
OCT												
21...	0	125	2100	16000	85	77	6	.04	.01	.17	.17	
21...	0	125	2100	16000	74	73	4	.03	.01	.15	.13	
DATE	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	
OCT												
21...	.18	.18	.35	.35	.40	.05	2	1	1	9	10	
21...	.16	.16	.31	.29	.35	.05	1	0	1	13	10	
DATE	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	
OCT												
21...	0	10	0	0	0	0	0	<10	10	0	3	
21...	10	0	0	0	0	0	0	<10	<10	0	8	
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	
OCT												
21...	2	20	40	2	0	20	80	30	50	680	.1	
21...	4	20	40	0	0	20	80	40	40	700	.1	
DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT												
21...	.0	.1	.0	2	2	0	0	0	0	0	--	30
21...	.0	.1	.0	3	1	2	1	0	1	0	--	30
DATE	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	
OCT												
21...	20	75	3.0	.00	0	1	.0	0	.00	.0	.00	
21...	30	75	2.8	.00	0	1	.0	0	.00	.0	.00	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGING OPERATIONS STUDY--Continued

292936092192400 GULF OF MEXICO 300 YARDS WEST OF FRESHWATER BAYOU CHANNEL AT MILE -2.0, NEAR INTRACOASTAL CITY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
OCT 21...	.0	.0	0	.00	8.4	.00	2.9	.00	.0	.00	.0
21...	.0	.0	0	.00	8.6	.00	1.8	.00	.0	.00	.0

DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
OCT 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
OCT 21...	.0	.00	.0	.00	.0	.00	.0	.0	.00	.0	0
21...	.0	.00	.0	.00	.0	.00	.0	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 21...	0	.00	.0	.00	.00	.00
21...	0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY

The following data are from samples collected during a dredgings disposal study. The disposal area is west of Southwest Pass at mile 21.8 BHP. Site locations are shown on the map on page 33.

285338089263401 SOUTHWEST PASS DISPOSAL AREA (SITE 1) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
MAY												
08...	0830	10	20200	8.5	20	15	2400	2300	190	470	4000	77
08...	0831	20	39600	8.3	10	5	4900	4800	300	1000	8500	78
08...	0832	40	49900	8.0	5	10	6500	6400	400	1300	12000	79
08...	1345	10	5340	8.7	30	20	600	510	60	110	850	74
08...	1346	20	34200	8.1	10	20	4300	4200	310	850	7500	78
08...	1347	40	48900	8.0	5	8	6300	6200	400	1300	12000	79

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FIL- TRABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	VOL. NON- FIL- TRABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
MAY												
08...	35	180	111	4	98	.6	1000	7300	9	11	0	<1.0
08...	53	360	138	0	110	1.1	2000	15000	8	3	0	<1.0
08...	66	450	157	0	130	2.5	2700	20000	14	13	0	<1.0
08...	15	40	101	8	96	.4	240	1600	12	15	0	<1.0
08...	50	290	132	0	110	1.7	1900	13000	6	8	0	<1.0
08...	66	440	153	0	130	2.4	2800	20000	7	10	0	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)
MAY												
08...	.39	.01	.40	.17	.05	.06	.74	.42	.91	.47	1.3	5.8
08...	.04	.01	.05	.16	.09	.12	.26	.23	.42	.32	.47	2.1
08...	.06	.01	.07	.27	.17	.22	.06	.06	.33	.23	.40	1.8
08...	.77	.01	.78	.06	.02	.03	.90	.61	.96	.63	1.7	7.7
08...	.07	.02	.09	.20	.09	.12	.61	.58	.81	.67	.90	4.0
08...	.07	.01	.08	.19	.16	.21	.68	.04	.87	.20	.95	4.2

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
MAY												
08...	.10	.01	1	0	0	0	0	0	<10	4	0	6
08...	.04	.02	1	1	10	10	0	0	20	3	0	8
08...	.05	.04	2	1	10	10	0	0	40	3	0	6
08...	.12	.00	2	1	0	0	0	0	<10	2	0	7
08...	.08	.04	2	1	10	10	0	0	10	3	0	3
08...	.05	.04	1	1	10	10	0	0	20	2	0	2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGE DISPOSAL STUDY--Continued

285338089263401 SOUTHWEST PASS DISPOSAL AREA (SITE 1) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS-SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)
MAY												
08...	5	10	4	0	40	20	.0	.0	3	3	0	0
08...	5	40	2	2	50	30	.0	.0	58	58	0	0
08...	2	60	2	2	110	80	.0	.0	2	2	0	0
08...	7	20	2	2	20	10	.0	.0	34	34	0	0
08...	3	20	2	2	70	30	.0	.0	2	0	2	0
08...	2	20	0	0	80	60	.0	.0	0	0	0	0

DATE	DIS-SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)
MAY												
08...	0	30	10	20	5.1	.00	2	.0	.00	.000	.0	.000
08...	0	240	210	30	4.1	.00	0	.0	.00	.000	.0	.000
08...	0	50	10	40	4.9	.00	1	.0	.00	.000	.0	.000
08...	0	40	30	10	6.1	.00	--	.0	.00	.000	.0	.000
08...	0	30	10	20	5.6	.00	--	.0	.00	.000	.0	.000
08...	0	40	10	30	4.3	.00	1	.0	.00	.000	.0	.000

DATE	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
MAY												
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	.000	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
08...	.000	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAY												
08...	.00	.00	.00	.00	.00	0	.00	--	--	--	3.52	.154
08...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	.763	.007
08...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	2.25	.000
08...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	19.7	1.00
08...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	2.18	.060
08...	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	.143	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263402 SOUTHWEST PASS DISPOSAL STUDY (SITE 2) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAY												
08...	1150	10	14	0	1	0	1	0	0	0	0	0
08...	1151	20	14	0	1	0	1	10	0	10	0	0
08...	1152	40	12	0	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	20	18	2	0	24	18	6	10	9	7	2
08...	0	20	19	1	0	5	1	4	20	2	2	0
08...	0	50	50	0	0	5	0	5	30	2	0	2

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	40	10	30	.0	.0	.0	5	0	0	0	60	20
08...	50	0	50	.0	.0	.0	4	0	0	0	30	20
08...	80	10	70	.0	.0	.0	3	0	0	0	40	20

285338089263403 SOUTHWEST PASS DISPOSAL STUDY (SITE 3) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAY												
08...	1154	10	14	0	1	0	1	10	10	0	0	0
08...	1155	20	14	0	0	0	0	20	20	0	0	0
08...	1156	40	19	1	1	0	1	20	10	10	0	0
08...	1354	10	11	0	1	1	0	10	0	10	0	0
08...	1355	20	12	0	2	1	1	0	0	0	0	0
08...	1356	40	6	0	1	1	0	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<9	1	0	17	9	8	20	7	0	7
08...	0	<10	<9	1	0	6	2	4	20	6	3	3
08...	0	50	50	0	0	6	3	3	20	4	1	3
08...	0	10	9	1	0	4	2	2	20	3	3	0
08...	0	10	10	0	0	8	3	5	10	8	8	0
08...	0	20	19	1	0	3	1	2	20	40	24	16

DREDGE DISPOSAL STUDY--Continued

285338089263403 SOUTHWEST PASS DISPOSAL STUDY (SITE 3) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	50	20	30	.0	.0	.0	3	0	0	0	40	10
08...	50	0	50	.0	.0	.0	4	0	0	0	30	20
08...	90	10	80	.0	.0	.0	3	0	0	0	40	20
08...	70	50	20	.2	.0	.2	2	0	0	0	30	20
08...	30	20	10	.0	.0	.0	3	0	0	0	20	10
08...	70	20	50	.0	.0	.0	7	0	0	0	40	20

285338089263404 SOUTHWEST PASS DISPOSAL STUDY (SITE 4) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)
MAY												
08...	1156	10	6	1	2	1	1	0	0	0	0	0
08...	1157	20	16	1	1	0	1	20	10	10	0	0
08...	1158	40	115	10	2	2	0	20	20	0	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<9	1	0	14	9	5	10	6	3	3
08...	0	20	20	0	0	5	0	5	20	4	4	0
08...	0	20	19	1	0	10	7	3	20	7	7	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	40	30	10	.0	.0	.0	6	4	0	0	40	20
08...	60	20	40	.2	.2	.0	3	0	0	0	40	20
08...	150	80	70	.0	.0	.0	8	0	0	0	100	30

285338089263405 SOUTHWEST PASS DISPOSAL STUDY (SITE 5) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)
MAY												
08...	1206	10	16	0	1	0	1	10	10	0	0	0
08...	1207	20	20	1	1	0	1	10	10	0	3	0
08...	1208	40	16	0	1	0	1	20	10	10	0	0
08...	1409	10	10	0	1	0	1	10	10	0	0	0
08...	1410	20	25	0	1	1	0	10	0	10	0	0
08...	1411	40	14	0	1	1	0	10	0	10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263405 SOUTHWEST PASS DISPOSAL STUDY (SITE 5) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<10	0	0	7	4	3	10	4	4	0
08...	3	20	19	1	0	10	3	7	20	29	21	8
08...	0	10	10	0	0	8	5	3	20	4	2	2
08...	0	<10	<9	1	0	5	1	4	10	6	6	0
08...	0	20	20	0	0	4	1	3	20	7	7	0
08...	0	40	40	0	0	3	1	2	20	4	4	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	30	20	10	.0	.0	.0	4	0	0	0	10	10
08...	70	20	50	.0	.0	.0	4	0	0	0	50	20
08...	90	10	80	.0	.0	.0	3	0	0	0	50	20
08...	30	30	0	.0	.0	.0	5	0	0	0	20	10
08...	60	30	30	.0	.0	.0	4	0	0	0	30	20
08...	70	20	50	.0	.0	.0	3	0	0	0	30	20

285338089263406 SOUTHWEST PASS DISPOSAL STUDY (SITE 6) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAY												
08...	1204	10	24	0	2	1	1	0	0	0	0	0
08...	1205	20	15	0	1	1	0	0	0	0	0	0
08...	1206	40	112	11	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	60	57	3	0	8	1	7	10	5	5	0
08...	0	40	39	1	0	4	0	4	20	0	0	0
08...	0	40	38	2	0	7	3	4	20	5	3	2

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	20	20	0	.0	.0	.0	4	0	0	0	30	20
08...	40	20	20	.0	.0	.0	4	0	0	0	40	30
08...	120	60	60	.0	.0	.0	6	0	0	0	60	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGE DISPOSAL STUDY--Continued

285338089263407 SOUTHWEST PASS DISPOSAL STUDY (SITE 7) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1207	10	11	0	2	1	1	0	0	0	0	0
08...	1208	20	14	0	1	1	0	0	0	0	0	0
08...	1209	40	138	10	2	1	1	10	0	10	0	0
08...	1358	10	15	0	1	0	1	0	0	0	0	0
08...	1359	20	32	1	1	0	1	10	10	0	0	0
08...	1400	40	30	1	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CH) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	20	17	3	0	13	8	5	10	14	6	8
08...	0	20	20	0	0	5	2	3	20	8	8	0
08...	0	30	29	1	0	8	6	2	20	15	15	0
08...	0	30	28	2	0	6	1	5	20	6	4	2
08...	0	40	38	2	0	3	0	3	20	2	0	2
08...	0	40	39	1	0	2	0	2	20	2	2	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	50	30	20	.0	.0	.0	5	0	0	0	40	10
08...	80	50	30	.0	.0	.0	2	0	0	0	40	20
08...	210	150	60	.6	.6	.0	8	0	0	0	60	30
08...	40	30	10	.0	.0	.0	3	0	0	0	30	20
08...	80	60	20	.0	.0	.0	6	0	0	0	30	30
08...	100	30	70	.0	.0	.0	2	0	0	0	40	30

285338089263408 SOUTHWEST PASS DISPOSAL STUDY (SITE 8) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1200	10	17	0	1	1	0	10	10	0	0	0
08...	1201	20	38	0	1	1	0	0	0	0	0	0
08...	1202	40	16	0	1	1	0	10	10	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263408 SOUTHWEST PASS DISPOSAL STUDY (SITE 8) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	10	9	1	0	10	5	5	10	14	14	0
08...	0	20	19	1	0	5	2	3	20	10	10	0
08...	0	10	8	2	0	3	0	3	20	10	6	4

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	40	30	10	.0	.0	.0	4	0	0	0	40	20
08...	100	60	40	.0	.0	.0	6	0	0	0	40	20
08...	100	50	50	.0	.0	.0	5	0	0	0	40	20

285338089263409 SOUTHWEST PASS DISPOSAL STUDY (SITE 9) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAY												
08...	1158	10	13	0	2	0	2	0	0	0	0	0
08...	1159	20	26	0	1	0	1	10	0	10	0	0
08...	1200	40	18	0	1	0	1	10	0	10	0	0
08...	1400	10	18	0	2	1	1	10	10	0	0	0
08...	1401	20	25	0	1	0	1	10	0	10	0	0
08...	1402	40	15	0	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	30	29	1	0	14	8	6	10	3	3	0
08...	0	30	30	0	0	5	2	3	20	3	3	0
08...	0	40	39	1	0	3	0	3	20	0	0	0
08...	0	20	18	2	0	8	3	5	10	4	--	--
08...	0	10	8	2	0	4	1	3	20	4	2	2
08...	0	20	17	3	0	3	1	2	20	7	0	7

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	20	10	10	.0	.0	.0	5	0	0	0	40	10
08...	70	40	30	.0	.0	.0	3	0	0	0	40	20
08...	120	30	90	.0	.0	.0	2	0	0	0	40	20
08...	50	40	10	.0	.0	.0	4	0	0	0	90	40
08...	80	50	30	.0	.0	.0	4	0	0	0	70	40
08...	110	40	70	.0	.0	.0	2	0	0	0	40	40

DREDGE DISPOSAL STUDY--Continued

285338089263410 SOUTHWEST PASS DISPOSAL STUDY (SITE 10) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1237	10	13	0	1	0	1	0	0	0	0	0
08...	1238	20	23	0	1	0	1	10	0	10	0	0
08...	1239	40	54	0	1	0	1	10	0	10	0	0
08...	1407	10	26	1	1	0	1	10	0	10	0	0
08...	1408	20	40	4	1	0	1	10	0	10	0	0
08...	1409	40	22	0	0	0	0	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<9	1	0	3	1	2	20	2	2	0
08...	0	10	9	1	0	2	0	2	20	2	2	0
08...	0	20	19	1	0	2	2	0	20	2	2	0
08...	0	10	10	0	0	7	0	7	20	4	2	2
08...	0	<10	<10	0	0	3	0	3	20	4	2	2
08...	0	10	10	0	0	2	0	2	30	2	2	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	30	20	10	.0	.0	.0	5	0	0	0	10	10
08...	70	30	40	.0	.0	.0	4	0	0	0	30	20
08...	140	50	90	.0	.0	.0	6	0	0	0	40	20
08...	50	30	20	.0	.0	.0	5	5	0	0	20	10
08...	80	40	40	.0	.0	.0	4	0	0	0	30	20
08...	80	0	80	.0	.0	.0	3	0	0	0	40	20

285338089263411 SOUTHWEST PASS DISPOSAL STUDY (SITE 11) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1208	10	12	0	2	0	2	0	0	0	0	0
08...	1209	20	36	0	1	0	1	10	0	10	0	0
08...	1210	40	20	0	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<7	3	0	6	1	5	10	2	2	0
08...	0	30	27	3	0	4	0	4	20	3	0	3
08...	0	40	38	2	0	4	0	4	20	4	4	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263411 SOUTHWEST PASS DISPOSAL STUDY (SITE 11) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	40	30	10	.2	.2	.0	3	0	0	0	20	20
08...	70	40	30	.0	.0	.0	3	0	0	0	30	20
08...	60	40	20	.0	.0	.0	4	0	0	0	30	20

285338089263412 SOUTHWEST PASS DISPOSAL STUDY (SITE 12) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)
MAY												
08...	1212	10	10	0	1	0	1	0	0	0	0	0
08...	1213	20	17	0	0	0	0	10	10	0	0	0
08...	1214	40	36	0	0	0	0	10	0	10	0	0
08...	1405	10	13	1	1	0	1	10	0	10	0	0
08...	1406	20	37	3	1	1	0	10	0	10	0	0
08...	1407	40	16	0	0	0	0	20	10	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	40	39	1	0	8	4	4	10	6	6	0
08...	0	30	30	0	0	4	1	3	20	3	3	0
08...	0	40	40	0	0	3	1	2	20	3	3	0
08...	0	<10	<10	0	0	5	3	2	10	3	3	0
08...	0	<10	<10	0	0	4	2	2	20	4	4	0
08...	0	10	9	1	0	2	0	2	20	2	0	2

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	30	20	10	.0	.0	.0	5	0	0	0	20	10
08...	50	0	50	.0	.0	.0	4	0	0	0	40	20
08...	120	30	90	.0	.0	.0	3	0	0	0	50	20
08...	50	30	20	.0	.0	.0	8	0	0	0	20	10
08...	70	30	40	.0	.0	.0	5	0	0	0	30	10
08...	100	10	90	.0	.0	.0	5	3	0	0	30	20

285338089263413 SOUTHWEST PASS DISPOSAL STUDY (SITE 13) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE CAD- MIUM (CD) (UG/L)
MAY												
08...	1214	10	13	0	2	1	1	0	0	0	0	0
08...	1215	20	30	0	1	0	1	10	0	10	0	0
08...	1216	40	35	0	1	0	1	10	0	10	0	0

DREDGE DISPOSAL STUDY--Continued

285338089263413 SOUTHWEST PASS DISPOSAL STUDY (SITE 13) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	10	10	0	0	4	1	3	10	0	0	0
08...	0	40	40	0	0	4	1	3	20	3	1	2
08...	0	60	58	2	0	5	2	3	20	2	0	2

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	30	20	10	.0	.0	.0	6	0	0	0	10	10
08...	30	0	30	.2	.2	.0	2	0	0	0	40	20
08...	100	40	60	.3	.3	.0	3	0	0	0	50	30

285338089263414 SOUTHWEST PASS DISPOSAL STUDY (SITE 14) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAY												
08...	1217	10	12	0	2	1	1	10	0	10	0	0
08...	1218	20	21	0	1	0	1	10	0	10	0	0
08...	1219	40	61	3	1	0	1	10	0	10	0	0
08...	1403	10	14	0	1	0	1	0	0	0	0	0
08...	1404	20	25	0	1	0	1	10	10	0	0	0
08...	1405	40	28	1	1	0	1	10	10	0	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	10	7	3	0	11	6	5	10	0	0	0
08...	0	20	16	4	0	3	0	3	20	2	0	2
08...	0	30	28	2	0	3	0	3	20	3	1	2
08...	0	20	19	1	0	6	2	4	10	4	4	0
08...	0	20	17	3	0	4	1	3	20	2	2	0
08...	0	40	36	4	0	2	0	2	20	0	0	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	40	30	10	.2	.2	.0	4	0	0	0	20	20
08...	60	30	30	.0	.0	.0	2	0	0	0	30	30
08...	110	50	60	.0	.0	.0	2	0	0	0	40	40
08...	40	30	10	.0	.0	.0	5	0	0	0	20	20
08...	80	40	40	.2	.0	.2	3	0	0	0	40	40
08...	130	30	100	.0	.0	.0	2	0	0	0	40	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263415 SOUTHWEST PASS DISPOSAL STUDY (SITE 15) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
MAY												
08...	0840	10	16700	8.7	25	15	31000	2000	2000	170	390	3300
08...	0841	20	39200	8.3	15	7	--	5000	4900	360	1000	8500
08...	0842	40	49500	8.0	5	7	--	6300	6200	400	1300	11000
08...	1420	10	15800	8.3	10	20	28000	1800	1800	130	370	3000
08...	1421	20	34800	8.2	5	15	--	4400	4300	270	910	7500
08...	1422	40	49500	8.0	10	9	--	2600	2400	480	330	12000

DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	SETTLE- ABLE MATTER (ML/L/ HR)
MAY												
08...	76	32	180	95	12	98	.4	780	5900	24	57900	<1.0
08...	77	52	350	140	0	110	1.1	2000	15000	14	--	<1.0
08...	78	60	460	156	0	130	2.5	2800	20000	11	--	<1.0
08...	76	30	130	120	0	98	1.0	730	5100	13	64000	<1.0
08...	77	49	320	136	0	110	1.4	1700	13000	39	--	<1.0
08...	89	103	450	156	0	130	2.5	2700	20000	33	--	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
MAY												
08...	.47	.01	.48	.14	.03	18	.04	.62	.33	.76	.40	.36
08...	.08	.01	.09	.19	.12	--	.15	.29	.28	.48	.08	.40
08...	.06	.00	.06	.18	.16	--	.21	.33	.06	.51	.29	.22
08...	.53	.01	.54	.14	.05	25	.06	.75	.41	.89	.43	.46
08...	.09	.03	.12	.24	.08	--	.10	.27	.30	.51	.13	.38
08...	.07	.01	.08	.19	.18	--	.23	.03	.03	.22	.01	.21

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)
MAY												
08...	4600	1.2	5.5	.09	.01	12	0	.36	20	<10	<10	600
08...	--	.57	2.5	.05	.02	--	--	--	--	--	--	--
08...	--	.57	2.5	.04	.04	--	--	--	--	--	--	--
08...	4200	1.4	6.3	.10	.01	14	0	.52	20	<10	<10	640
08...	--	.63	2.8	.08	.03	--	--	--	--	--	--	--
08...	--	.30	1.3	.06	.04	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGE DISPOSAL STUDY--Continued

285338089263415 SOUTHWEST PASS DISPOSAL STUDY (SITE 15) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)
MAY												
08...	.1	<10	0	40	6.3	0	2	.0	.0	19	.00	.000
08...	--	--	--	--	4.7	--	1	--	.0	--	.00	.000
08...	--	--	--	--	3.2	--	1	--	.0	--	.00	.000
08...	.2	<10	0	40	5.7	0	2	.0	.0	42	.00	.000
08...	--	--	--	--	7.0	--	0	--	.0	--	.00	.000
08...	--	--	--	--	5.2	--	0	--	.0	--	.00	.000

DATE	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)
MAY											
08...	.0	.0	10	.000	6.8	.000	1.5	.000	3.0	.01	.0
08...	--	.0	--	.000	--	.000	--	.000	--	.00	--
08...	--	.0	--	.000	--	.000	--	.000	--	.01	--
08...	.0	.0	7	.000	5.6	.000	.5	.000	1.5	.02	.0
08...	--	.0	--	.000	--	.000	--	.000	--	.00	--
08...	--	.0	--	.000	--	.000	--	.000	--	.00	--

DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
MAY											
08...	.000	1.1	.000	.000	.0	.00	.0	.000	.0	.000	.0
08...	.000	--	.000	.000	--	.00	--	.000	--	.000	--
08...	.000	--	.000	.000	--	.00	--	.000	--	.000	--
08...	.000	1.1	.000	.000	.0	.00	.0	.000	.0	.000	.0
08...	.000	--	.000	.000	--	.00	--	.000	--	.000	--
08...	.000	--	.000	.000	--	.00	--	.000	--	.000	--

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THION (UG/L)
MAY										
08...	.002	.0	.00	.0	.00	.00	.0	.00	.0	.00
08...	.000	--	.00	--	.00	.00	--	.00	--	.00
08...	.000	--	.00	--	.00	.00	--	.00	--	.00
08...	.003	.0	.00	.0	.00	.00	.0	.00	.0	.00
08...	.000	--	.00	--	.00	.00	--	.00	--	.00
08...	.000	--	.00	--	.00	.00	--	.00	--	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263415 SOUTHWEST PASS DISPOSAL STUDY (SITE 15) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAY										
08...	.0	0	0	.00	.0	.04	.00	.00	5.69	.228
08...	--	0	--	.00	--	.00	.00	.00	2.77	.061
08...	--	0	--	.00	--	.00	.00	.00	.141	.008
08...	.0	0	0	.00	.0	.02	.00	.00	4.48	.365
08...	--	0	--	.00	--	.00	.00	.00	7.90	.215
08...	--	0	--	.00	--	.00	.00	.00	.066	.000

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	0840	10	20	0	1	0	1	0	0	0	0	0
08...	0841	20	18	0	1	1	0	10	10	0	0	0
08...	0842	40	10	0	1	0	1	10	0	10	0	0
08...	1200	10	17	0	1	0	1	0	0	0	0	0
08...	1201	20	25	1	1	0	1	20	10	10	0	0
08...	1202	40	5	0	1	0	1	20	10	10	0	0
08...	1220	10	8	0	2	0	2	0	0	0	0	0
08...	1221	20	16	0	1	0	1	10	0	10	0	0
08...	1222	40	33	0	1	0	1	10	0	10	0	0
08...	1230	10	4	0	2	1	1	0	0	0	0	0
08...	1231	20	15	0	1	0	1	10	0	10	0	0
08...	1232	40	28	0	2	1	1	10	0	10	0	0
08...	1235	10	6	0	1	0	1	0	0	0	0	0
08...	1236	20	20	0	1	0	1	10	0	10	0	0
08...	1237	40	33	0	1	0	1	10	0	10	0	0
08...	1240	10	10	0	1	0	1	0	0	0	0	0
08...	1241	20	28	0	1	1	0	10	0	10	0	0
08...	1242	40	41	0	1	0	1	10	0	10	0	0
08...	1245	10	7	0	2	0	2	0	0	0	0	0
08...	1246	20	20	0	1	0	1	10	0	10	0	0
08...	1247	40	50	0	0	0	0	10	0	10	0	0
08...	1250	10	13	0	2	1	1	0	0	0	0	0
08...	1251	20	33	0	1	0	1	10	0	10	0	0
08...	1252	40	70	3	2	1	1	10	0	10	0	0
08...	1300	10	8	0	2	1	1	0	0	0	0	0
08...	1301	20	54	4	2	1	1	10	0	10	0	0
08...	1302	40	10	0	1	0	1	10	0	10	0	0
08...	1310	10	4	0	1	0	1	0	0	0	0	0
08...	1311	20	3	0	0	0	0	10	0	10	0	0
08...	1312	40	37	0	1	0	1	20	10	10	0	0
08...	1320	10	10	0	1	0	1	0	0	0	0	0
08...	1321	20	8	0	1	0	1	10	0	10	0	0
08...	1322	40	15	0	1	0	1	10	0	10	0	0
08...	1330	10	12	0	2	1	1	0	0	0	0	0
08...	1331	20	15	0	0	0	0	10	0	10	0	0
08...	1332	40	20	0	1	1	0	10	0	10	0	0
08...	1340	10	4	0	2	1	1	0	0	0	0	0
08...	1341	20	8	0	1	0	1	10	0	10	0	0
08...	1342	40	13	0	1	0	1	10	0	10	0	0
08...	1420	10	13	0	2	1	1	10	0	10	0	0
08...	1421	20	31	0	1	0	1	10	0	10	0	0
08...	1422	40	28	3	2	1	1	10	0	10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGE DISPOSAL STUDY--Continued

285338089263415 SOUTHWEST PASS DISPOSAL STUDY (SITE 15) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED CAU- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	20	17	3	0	5	2	3	10	3	3	0
08...	0	30	26	4	0	4	0	4	20	2	0	2
08...	0	30	25	5	0	3	1	2	20	2	0	2
08...	0	<10	<9	1	0	6	0	6	80	14	9	5
08...	0	<10	<10	0	0	5	0	5	70	6	2	4
08...	0	10	9	1	0	14	12	2	70	6	3	3
08...	0	<10	<9	1	0	5	1	4	10	29	29	0
08...	0	20	18	2	0	5	1	4	110	10	10	0
08...	0	20	18	2	0	5	3	2	70	10	10	0
08...	0	30	30	0	0	6	1	5	60	3	3	0
08...	0	20	20	0	0	6	3	3	80	6	6	0
08...	0	10	10	0	0	4	2	2	140	7	7	0
08...	0	20	18	2	0	5	2	3	20	14	12	2
08...	0	30	29	1	0	7	0	7	90	3	3	0
08...	0	30	29	1	0	4	2	2	40	7	7	0
08...	0	40	40	0	0	3	0	3	10	17	14	3
08...	0	30	30	0	0	3	1	2	90	2	2	0
08...	0	50	50	0	0	4	2	2	130	3	0	3
08...	0	10	7	3	0	4	0	4	20	14	14	0
08...	0	50	48	2	0	6	4	2	40	2	2	0
08...	0	30	30	0	0	5	3	2	100	0	0	0
08...	0	<10	<9	1	0	4	0	4	30	12	7	5
08...	0	10	9	1	0	6	2	4	70	9	7	2
08...	0	20	18	2	0	3	1	2	140	3	3	0
08...	0	<10	<9	1	0	4	0	4	50	11	8	3
08...	0	30	29	1	0	8	8	0	100	6	3	3
08...	0	30	29	1	0	3	0	3	210	14	12	2
08...	0	10	9	1	0	4	0	4	10	15	15	0
08...	0	50	48	2	0	5	2	3	20	5	5	0
08...	0	30	29	1	0	3	3	0	20	5	5	0
08...	0	10	10	0	0	4	0	4	10	16	16	0
08...	0	30	30	0	0	8	6	2	20	5	5	0
08...	0	40	40	0	0	4	4	0	20	7	7	0
08...	0	10	7	3	0	4	1	3	10	6	6	0
08...	0	30	30	0	0	5	1	4	20	0	0	0
08...	0	40	40	0	0	4	2	2	20	0	0	0
08...	0	20	18	2	0	5	0	5	0	23	23	0
08...	0	20	18	2	0	4	2	2	20	6	6	0
08...	0	50	49	1	0	3	1	2	10	8	8	0
08...	0	<10	<9	1	0	4	0	4	10	2	0	2
08...	0	20	18	2	0	3	0	3	20	2	0	2
08...	0	20	17	3	0	2	0	2	20	20	0	2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263415 SOUTHWEST PASS DISPOSAL STUDY (SITE 15) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	30	20	10	.3	.3	.0	3	0	0	0	20	20
08...	60	20	40	.3	.3	.0	3	0	0	0	40	40
08...	70	10	60	.3	.3	.0	3	0	0	0	40	40
08...	40	20	20	.0	.0	.0	6	3	0	0	50	30
08...	110	20	90	.0	.0	.0	6	0	0	0	50	20
08...	70	0	70	.0	.0	.0	5	0	0	0	50	20
08...	20	10	10	.0	.0	.0	3	0	0	0	40	10
08...	110	30	80	.0	.0	.0	3	0	0	0	40	20
08...	130	70	60	.0	.0	.0	4	0	0	0	40	20
08...	20	20	0	.0	.0	.0	3	0	0	0	30	10
08...	100	20	80	.0	.0	.0	2	0	0	0	40	20
08...	120	30	90	.0	.0	.0	3	0	0	0	40	20
08...	30	30	0	.0	.0	.0	5	0	0	0	10	10
08...	120	40	80	.0	.0	.0	4	0	0	0	40	20
08...	130	50	80	.0	.0	.0	3	0	0	0	40	20
08...	20	10	10	.0	.0	.0	5	0	0	0	20	0
08...	110	20	90	.0	.0	.0	2	0	0	0	40	20
08...	170	70	100	.0	.0	.0	5	0	0	0	40	20
08...	30	20	10	.6	.1	.5	2	0	0	0	20	10
08...	110	30	80	.0	.0	.0	0	0	0	0	40	20
08...	80	10	70	.0	.0	.0	1	0	0	0	40	20
08...	20	10	10	.0	.0	.0	3	0	0	0	20	10
08...	120	40	80	.0	.0	.0	2	0	0	0	40	40
08...	210	110	100	.0	.0	.0	3	0	0	0	40	40
08...	20	10	10	.0	.0	.0	4	0	0	0	20	10
08...	110	20	90	.0	.0	.0	4	0	0	0	40	20
08...	100	10	90	.0	.0	.0	4	0	0	0	40	20
08...	20	10	10	.0	.0	.0	5	0	0	0	30	10
08...	100	20	80	.4	.4	.0	3	0	0	0	40	20
08...	100	40	60	.0	.0	.0	2	0	0	0	40	20
08...	30	30	0	.0	.0	.0	4	0	0	0	20	10
08...	110	30	80	.4	.4	.0	4	0	0	0	40	20
08...	90	30	60	.0	.0	.0	4	0	0	0	40	20
08...	30	30	0	.0	.0	.0	3	0	0	0	20	0
08...	110	40	70	.0	.0	.0	0	0	0	0	40	30
08...	110	40	70	.0	.0	.0	2	0	0	--	40	20
08...	30	30	0	.0	.0	.0	3	0	0	0	30	10
08...	100	30	70	.0	.0	.0	2	0	0	0	40	20
08...	100	40	60	.0	.0	.0	4	0	0	0	40	20
08...	30	20	10	.0	.0	.0	2	2	0	0	20	10
08...	80	50	30	.0	.0	.0	4	2	0	0	30	20
08...	100	20	80	.0	.0	.0	2	2	0	0	40	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGE DISPOSAL STUDY--Continued

285338089263416 SOUTHWEST PASS DISPOSAL STUDY (SITE 16) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1234	10	9	0	1	0	1	0	0	0	0	0
08...	1235	20	18	0	1	1	0	10	0	10	0	0
08...	1236	40	23	0	1	1	0	10	0	10	0	0
08...	1412	10	12	1	1	0	1	0	0	0	0	0
08...	1413	20	10	0	1	0	1	0	0	0	0	0
08...	1414	40	16	0	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	30	29	1	0	5	2	3	10	3	3	0
08...	0	10	10	0	0	5	3	2	20	10	10	0
08...	0	30	27	3	0	4	4	0	20	7	7	0
08...	0	<10	<10	0	0	7	5	2	20	4	4	0
08...	0	<10	<10	0	0	2	2	0	20	2	2	0
08...	0	<10	<9	1	0	2	2	0	20	2	2	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	30	20	10	.0	.0	.0	4	0	0	0	20	10
08...	60	40	20	.0	.0	.0	5	0	0	0	40	20
08...	110	30	80	.0	.0	.0	4	0	0	0	40	20
08...	40	20	20	.0	.0	.0	5	0	0	0	20	10
08...	70	30	40	.0	.0	.0	4	0	0	0	30	20
08...	90	0	90	.0	.0	.0	5	0	0	0	30	20

285338089263417 SOUTHWEST PASS DISPOSAL STUDY (SITE 17) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1220	10	14	0	2	0	2	0	0	0	0	0
08...	1221	20	20	0	--	--	1	10	0	10	0	0
08...	1222	40	20	0	1	1	0	10	0	10	0	0
08...	1418	10	26	1	2	1	1	0	0	0	0	0
08...	1419	20	42	4	1	0	1	10	10	0	0	0
08...	1420	40	23	2	1	0	1	10	0	10	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263417 SOUTHWEST PASS DISPOSAL STUDY (SITE 17) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<8	2	0	5	1	4	10	0	0	0
08...	0	20	18	2	0	7	--	--	150	9	--	--
08...	0	40	39	1	0	3	1	2	20	0	0	0
08...	0	<10	<7	3	0	5	0	5	10	0	0	0
08...	0	30	28	2	0	4	1	3	20	0	0	0
08...	0	30	27	3	0	2	0	2	20	0	0	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	40	30	10	.0	.0	.0	0	0	0	0	30	10
08...	90	30	60	--	--	.0	3	1	--	0	50	40
08...	90	30	60	.0	.0	.0	0	0	0	0	40	20
08...	40	30	10	.0	.0	.0	10	0	0	0	20	20
08...	70	40	30	.0	.0	.0	4	0	0	0	30	30
08...	50	0	50	.0	.0	.0	2	0	0	0	40	40

285338089263418 SOUTHWEST PASS DISPOSAL STUDY (SITE 18) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAY												
08...	1232	10	19	0	1	0	1	0	0	0	0	0
08...	1233	20	42	0	1	0	1	10	0	10	0	0
08...	1234	40	20	0	1	1	0	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	30	29	1	0	5	1	4	10	0	0	0
08...	0	30	29	1	0	5	2	3	20	12	0	12
08...	0	60	60	0	0	5	3	2	20	2	2	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	20	10	10	.0	.0	.0	3	0	0	0	30	10
08...	60	30	30	.0	.0	.0	4	0	0	0	40	20
08...	70	0	70	.0	.0	.0	4	0	0	0	50	20

DREDGE DISPOSAL STUDY--Continued

285338089263419 SOUTHWEST PASS DISPOSAL STUDY (SITE 19) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1229	10	23	0	2	1	1	10	0	10	0	0
08...	1230	20	30	0	2	1	1	0	0	0	0	0
08...	1231	40	20	0	1	1	0	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	60	59	1	0	6	3	3	10	0	0	0
08...	0	40	38	2	0	5	1	4	20	3	3	0
08...	0	30	28	2	0	3	1	2	20	0	0	0

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	60	40	20	.0	.0	.0	2	0	0	0	30	10
08...	80	50	30	.0	.0	.0	3	2	0	0	50	20
08...	90	30	60	.0	.0	.0	4	0	0	0	40	30

285338089263420 SOUTHWEST PASS DISPOSAL STUDY (SITE 20) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1227	10	19	0	1	0	1	10	0	10	0	0
08...	1228	20	27	1	1	0	1	10	0	10	0	0
08...	1229	40	21	0	1	0	1	10	0	10	0	0
08...	1415	10	8	0	1	0	1	10	10	0	0	0
08...	1416	20	12	0	1	0	1	10	0	10	0	0
08...	1417	40	18	0	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<8	2	0	8	6	2	20	3	1	2
08...	0	20	19	1	0	4	1	3	20	4	4	0
08...	0	20	17	3	0	2	0	2	20	0	0	0
08...	0	30	29	1	0	5	1	4	10	4	0	4
08...	0	20	19	1	0	3	0	3	20	2	0	2
08...	0	10	9	1	0	3	1	2	20	2	0	3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGE DISPOSAL STUDY--Continued

285338089263420 SOUTHWEST PASS DISPOSAL STUDY (SITE 20) NEAR BURRWOOD, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	70	0	70	.0	.0	.0	3	2	0	0	30	30
08...	70	50	20	.0	.0	.0	4	0	0	0	30	20
08...	90	30	60	.0	.0	.0	2	0	0	0	40	30
08...	40	30	10	.0	.0	.0	3	0	0	0	20	10
08...	70	30	40	.3	.3	.0	3	0	0	0	20	20
08...	90	20	70	.0	.0	.0	5	4	0	0	40	20

285338089263421 SOUTHWEST PASS DISPOSAL STUDY (SITE 21) NEAR BURRWOOD, LA

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)
MAY												
08...	1225	10	22	0	1	0	1	10	0	10	0	0
08...	1226	20	31	3	1	1	0	10	0	10	0	0
08...	1227	40	28	2	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	<10	<7	3	0	5	0	5	20	2	0	2
08...	0	30	28	2	0	2	0	2	20	0	0	0
08...	0	40	37	3	0	2	0	2	20	3	0	3

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	40	20	20	.0	.0	.0	3	3	0	0	20	20
08...	80	40	40	.0	.0	.0	3	0	0	0	30	30
08...	90	30	60	.0	.0	.0	2	2	0	0	40	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DREDGE DISPOSAL STUDY--Continued

285338089263422 SOUTHWEST PASS DISPOSAL STUDY (SITE 22) NEAR BURRWOOD, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SAMP- LING DEPTH (FT)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)
MAY												
08...	1223	10	15	0	1	0	1	10	0	10	0	0
08...	1224	20	25	1	1	0	1	10	0	10	0	0
08...	1225	40	27	1	1	0	1	10	0	10	0	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
MAY												
08...	0	10	6	4	0	5	0	5	10	4	0	4
08...	0	10	5	5	0	2	0	2	20	10	0	2
08...	0	30	27	3	0	3	0	3	20	2	0	2

DATE	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY												
08...	30	20	10	.0	.0	.0	5	4	0	0	30	30
08...	50	20	30	.0	.0	.0	2	0	0	0	30	20
08...	90	20	70	.0	.0	.0	3	0	0	0	40	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SALT-WATER INTRUSION STUDY

The following data were collected to monitor salt-water intrusion in the lower Mississippi River during low-flow conditions.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
MISSISSIPPI RIVER AT MILE 59.0 ^{a/}					MISSISSIPPI RIVER AT MILE 45.0				
Lat 29°38'34", long 89°56'44"					Lat 29°32'05", long 89°45'05"				
OCT. 06...	1400	1	526	45	AUG. 16...	1530	1	470	30
		55	528	45			10	470	30
		112	527	45			20	475	31
MISSISSIPPI RIVER AT MILE 58.0							30	475	31
Lat 29°38'15", long 89°56'00"							40	475	31
OCT. 06...	1415	1	527	45			50	490	36
		35	533	46			60	1200	250
		72	676	90			65	14000	4530
MISSISSIPPI RIVER AT MILE 57.0							70	15000	4900
Lat 29°37'40", long 89°55'00"							75	17000	5630
OCT. 06...	1430	1	529	46			80	17500	5810
		20	530	46	MISSISSIPPI RIVER AT MILE 42.5				
		40	529	46	Lat 29°31'00", long 89°43'00"				
		60	535	48	JUNE 29...	1315	1	640	80
		65	551	53			10	670	90
		70	912	158			25	670	90
		75	18000	6000			40	730	110
		87	18600	6230			50	890	150
		94	18800	6300			60	980	180
MISSISSIPPI RIVER AT MILE 55.0							65	990	185
Lat 29°36'45", long 89°53'15"							70	1300	280
OCT. 06...	1320	1	527	46	AUG. 16...	1515	1	360	25
		20	525	46			10	365	27
		40	527	46			20	370	28
		60	522	45			30	380	30
		65	540	51			40	410	32
		70	9610	3000			50	825	135
		80	18400	6150			55	4000	1110
		83	21000	7150			60	5600	1670
MISSISSIPPI RIVER AT MILE 50.0							65	12000	3820
Lat 29°35'00", long 89°48'50"							70	14000	4530
OCT. 06...	1300	1	604	69			75	15000	4900
		15	618	72			80	15500	5080
		30	614	72	MISSISSIPPI RIVER AT MILE 40.0				
		45	719	72	Lat 29°29'20", long 89°41'45"				
		55	1190	245	OCT. 06...	1115	1	883	153
		60	1470	329			15	1030	195
		65	9480	2960			30	1200	247
		70	21200	7220			45	2490	640
		78	24300	8500			50	3070	820
MISSISSIPPI RIVER AT MILE 47.5							55	15200	4970
Lat 29°34'00", long 89°47'15"							60	29100	10400
AUG. 16	1550	1	495	38			70	33400	12300
		10	495	38			82	34000	12500
		20	495	38	OCT. 20...	1530	1	546	52
		30	495	38			20	550	53
		40	495	38			40	574	60
		50	495	38			65	594	66
		60	495	38			75	664	85
		65	495	38			83	1400	310
MISSISSIPPI RIVER AT MILE 45.0					JUNE 22...	1000	1	531	45
Lat 29°32'05", long 89°45'05"							25	536	47
							50	539	47
							60	569	57
							70	570	57
							80	570	57
							85	1100	218

SALT-WATER INTRUSION STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
MISSISSIPPI RIVER AT MILE 40.0--Continued					MISSISSIPPI RIVER AT MILE 35.0--Continued				
JUNE 29...	1200	1	650	90	AUG. 08...	1100	1	490	36
		10	680	92			20	490	36
		30	720	100			40	490	36
		50	880	150			50	490	36
		60	2200	550			60	490	36
		65	11600	3700			70	490	36
		70	21500	7340					
		75	27500	9760	AUG. 16...	1430	1	620	75
AUG. 16...	1450	1	535	47			10	620	75
		10	560	56			20	685	91
		20	610	70			30	810	130
		30	665	84			40	950	170
		40	660	84			50	3400	930
		50	815	130			55	13000	4180
		55	6800	2060			60	22500	7730
		60	22800	7850			65	26200	9220
		65	26500	9340			70	26000	9140
		70	27000	9550			75	26000	9140
		80	29500	10600			80	26000	9140
MISSISSIPPI RIVER AT MILE 37.5					MISSISSIPPI RIVER AT MILE 32.5				
Lat 29°27'49", long 89°39'50"					Lat 29°25'51", long 89°36'05"				
OCT. 20...	1545	1	579	61	OCT. 20...	1430	1	793	125
		25	581	61			20	805	130
		50	588	62			40	808	130
		70	624	75			50	985	180
		80	635	78			60	2280	575
		90	691	95			70	16300	5370
		95	1890	450			80	31600	11500
		115	34600	12800			100	36700	13700
JUNE 22...	1145	1	533	46			120	37400	14100
		20	533	46	AUG. 08...	1015	1	530	47
		40	539	50			10	530	47
		60	613	70			20	530	47
		65	621	73			30	530	47
		70	845	140			40	530	47
		75	3170				50	640	80
		80	9140	2840			60	700	97
		90	17000	5630			70	970	175
		100	19300	6500			80	25000	8730
		115	20900	7110			95	26500	9340
MISSISSIPPI RIVER AT MILE 35.0					MISSISSIPPI RIVER AT MILE 30.0				
Lat 29°27'25", long 89°37'50"					Lat 29°23'50", long 89°35'55"				
OCT. 20...	1500	1	636	78	OCT. 06...	1015	1	1280	270
		20	645	80			20	1380	303
		40	653	82			30	1550	353
		50	645	80			35	1710	400
		60	1160	235			40	6080	1820
		70	1870	450			45	8780	2720
DEC. 20...	1445	1	489	35			50	22600	7780
		40	514	41			60	33500	12300
		78	824	135			70	35500	13200
JUNE 22...	1230	1	535	47			90	35800	13300
		15	548	53			110	36300	13600
		30	569	58			125	36300	13600
		40	674	90	OCT. 20...	1400	1	856	140
		50	777	120			15	871	150
		60	1350	290			30	1010	190
		65	2440	625			45	1290	280
		70	17000	5630			55	3280	1040
		75	22200	7620			60	8510	2620
							65	16600	5480
							70	26900	9500
							80	32300	11800
							100	37500	14100
							120	38200	14400

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SALT-WATER INTRUSION STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
MISSISSIPPI RIVER AT MILE 30.0--Continued					MISSISSIPPI RIVER AT MILE 27.5				
DEC. 20...	1315	1	665	85	Lat 29°22'24", long 89°34'02"				
		25	691	95	JULY 28...	0930	1	460	30
		50	887	150			20	460	30
		60	2540	655			50	460	30
		70	11100	3510			80	480	34
		80	29500	10600			90	480	34
		90	31200	11300			100	480	34
JUNE 22...	0915	1	823	135	MISSISSIPPI RIVER AT MILE 25.0				
		10	844	140	Lat 29°21'45", long 89°31'50"				
		30	844	140	DEC. 20...	1245	1	800	125
		40	1380	300			20	822	135
		50	5060	1460			40	1090	215
		55	11200	3560			50	1230	255
		60	19600	6610			60	6950	2100
		70	29900	10800			68	12800	4100
		80	31500	11400	JULY 28...	0915	1	498	37
		100	32800	12000			10	500	38
		120	33400	12300			20	500	38
JUNE 29...	1100	1	1300	277			30	505	39
		20	1300	277			50	590	65
		40	2100	520			60	670	88
		50	9500	3000			70	3700	1020
		60	17100	5670	MISSISSIPPI RIVER AT MILE 20.0				
		70	28300	10100	Lat 29°21'39", long 89°27'31"				
		90	34900	12900	OCT. 06...	0920	1	1740	410
		110	35400	13200			10	1850	440
AUG. 08...	0945	1	540	52			20	2010	490
		10	640	80			30	2890	765
		20	650	82			35	5070	1460
		30	660	84			40	16800	
		40	680	90			45	23400	8090
		50	1200	247			50	23900	8290
		60	4000	1110			60	35000	13000
		70	23000	7930			75	37300	14000
		80	28500	10200			94	38600	14600
		100	30000	10800	OCT. 20...	1330	1	1480	330
		120	30000	10800			12.5	1480	330
AUG. 16...	1400	1	690	95			25	1530	350
		10	820	130			35	2360	600
		20	840	140			45	5540	1650
		30	840	140			50	11800	3400
		40	2900	767			55	16300	5370
		45	4400	1240			60	26900	9500
		50	12000	3830			70	32300	11800
		55	16000	5260			80	33700	12400
		60	23000	7930	DEC. 20...	1215	1	968	175
		65	25000	8730			15	1030	195
		70	26500	9340			30	1150	230
		80	28000	9960			40	1730	410
		90	28000	9960			50	4890	1400
		100	28000	9960			60	14000	4540
		120	30000	9960			70	25900	9090
SEP. 07...	1330	1	460	30			84	34900	12900
		10	460	30					
		20	460	30					
		30	460	30					
		40	460	30					
		50	460	30					
		70	460	30					
		80	460	30					
		90	460	30					
		100	460	30					
		120	460	30					

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SALT-WATER INTRUSION STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
MISSISSIPPI RIVER AT MILE 20.0--Continued					MISSISSIPPI RIVER AT MILE 11.0 Lat 29°16'53", long 89°21'08"				
JUNE 22...	0845	1	1710	400	OCT. 06...	0815	1	2740	718
		10	1710	400			10	2840	750
		20	1710	400			20	3930	1090
		30	1710	400			30	9520	2970
		35	1940	470			35	13300	4280
		40	2250	570			40	16500	5450
		45	8910	2760			45	21400	7300
		50	15300	5000			55	39000	14800
		55	27400	9710			64	40300	15400
		65	35900	13400					
		75	37500	14100					
		85	38100	14400					
		95	38100	14400					
JUNE 29...	0930	1	1900	460	OCT. 20...	1230	1	2690	795
		10	1900	460			10	2770	725
		20	2300	580			20	2900	770
		30	3200	860			30	3410	925
		40	4500	1270			40	5090	1500
		50	15000	4900			45	7850	2400
		60	26200	9220			50	11100	3500
		70	32200	11700			55	29800	10700
		80	35500	13200			64	38300	14500
JULY 28...	0845	1	520	45	DEC. 20...	1130	1	1690	395
		10	520	45			10	1770	420
		20	565	55			20	2210	555
		30	650	83			30	4680	1330
		40	1100	220			40	7710	2360
		50	5600	1670			50	13100	4210
		60	10000	3130			60	24900	8700
		65	18000	6000					
		70	24000	8330					
		80	26000	9140					
AUG. 08...	0915	1	820	134	JUNE 22...	0900	1	2120	530
		10	870	150			10	2320	590
		20	890	155			20	2460	630
		30	960	175			30	5470	1630
		40	2200	550			40	7130	2160
		50	12000	3820			45	9630	3010
		60	26000	9140			50	22900	7890
		70	35000	13000			55	32300	11800
		80	36000	13500			60	41300	15900
AUG. 16...	1330	1	1300	280	JUNE 29...	0815	1	3000	800
		10	1300	280			10	3000	800
		20	1300	280			20	3300	890
		30	3100	830			30	5100	1510
		35	5100	1500			40	6600	2000
		40	8800	2720			50	14500	4720
		45	9400	2920			60	31000	11200
		50	19500	6570					
		55	26000	9140					
		60	28000	9960					
		70	29500	10600					
		80	29800	10700					
SEP. 07...	1400	1	470	31	JULY 28...	0800	1	800	128
		10	470	31			10	900	157
		20	470	31			20	970	178
		30	470	31			30	2200	550
		40	470	31			40	3350	910
		50	480	34			50	5700	1700
		60	520	45			55	26000	9140
		70	540	50			60	32000	11700
		80	540	50					
					AUG. 08...	0830	1	1350	290
							10	1500	340
							20	1900	460
							30	4100	1150
							40	8800	2730
							50	15000	4900
							60	36000	13400

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SALT-WATER INTRUSION STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DATE	TIME	DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
MISSISSIPPI RIVER AT MILE 11.0--Continued					MISSISSIPPI RIVER AT MILE 0.0 (HEAD OF PASSES)				
AUG. 16...	1230	1	2300	580	Lat 29°09'04", long 89°15'17"				
		10	2500	640	JUNE				
		20	4000	1110	21...	1600	1	2280	610
		30	7400	2260			10	3540	1010
		40	11000	3480			20	7270	2420
		45	19000	6380			27	10300	3240
		50	28500	10200			35	38750	14700
		55	37500	14100	JUNE				
		60	41000	15700	28...	1530	1	3500	1000
SEP. 07...	1440	1	530	46			10	5300	1570
		10	530	46			20	10900	3440
		20	530	46			30	15600	5120
		30	530	46			34	30500	11000
		40	530	46	SEP.				
		50	530	46	07...	1500	1	980	180
		60	530	46			10	1100	217
							20	1800	430
							25	4000	1110
							30	8400	2600
							35	10000	3130

a/ Above Head of Passes.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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SALT-WATER INTRUSION STUDY

The following data were collected to monitor salt-water intrusion in the lower Atchafalaya River during low-flow conditions.

WATER QUALITY DATA, OCTOBER 1976

DATE	TIME	DEPTH (FT)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DATE	TIME	DEPTH (FT)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
LOWER ATCHAFALAYA RIVER AT MILE 121.0				ATCHAFALAYA BAY AT MILE 139.0			
Lat 29°39'31", long 91°14'26"				Lat 29°26'52", long 91°18'22"			
OCT. 30...	0830	1	55	OCT. 30...	1045	1	1300
		10	55			10	1800
		20	60			15	5000
		25	70				
LOWER ATCHAFALAYA RIVER AT MILE 128.0				ATCHAFALAYA BAY AT MILE 140.0			
Lat 29°34'30", long 91°13'54"				Lat 29°26'28", long 91°19'16"			
OCT. 30...	0910	1	75	OCT. 30...	1100	1	1800
		10	77			10	1600
		20	92			15	2200
		25	94				
LOWER ATCHAFALAYA RIVER AT MILE 130.2				ATCHAFALAYA BAY AT MILE 142.0			
Lat 29°32'43", long 91°15'01"				Lat 29°25'03", long 91°20'33"			
OCT. 30...	0930	1	70	OCT. 30...	1110	1	1800
		10	70			10	2200
		20	90			15	3300
		30	100				
ATCHAFALAYA BAY AT MILE 136.0				ATCHAFALAYA BAY AT MILE 144.0			
Lat 29°28'43", long 91°16'23"				Lat 29°23'40", long 91°21'47"			
OCT. 30...	1000	1	60	OCT. 30...	1120	1	2000
		10	66			10	2000
		20	66			15	2600
		25	78				
ATCHAFALAYA BAY AT MILE 137.0				ATCHAFALAYA BAY AT EUGENE ISLAND			
Lat 29°27'54", long 91°16'47"				Lat 29°22'15", long 91°23'15"			
OCT. 30...	1030	1	320	OCT. 30...	1145	1	3200
		10	360			10	4600
		15	500			15	5200
ATCHAFALAYA BAY AT MILE 138.0							
Lat 29°27'16", long 91°17'29"							
OCT. 30...	1040	1	1500				
		10	1800				
		15	3900				

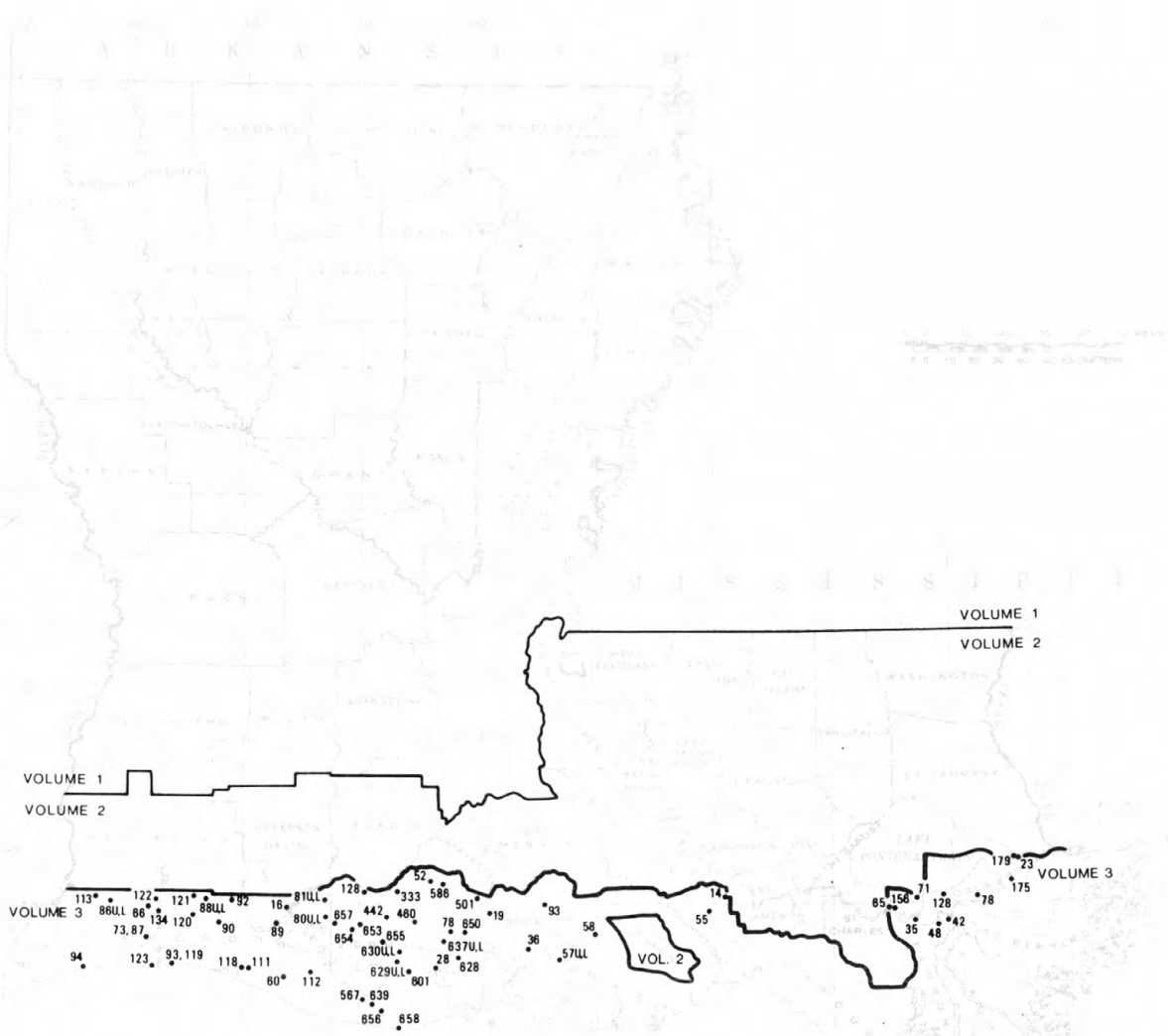


Figure 6. — Location of observation wells.

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 ABOVE MSL.
 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
APR. 11, 1977	0.98						

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 ABOVE MSL.
 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
MAY 16, 1977	14.60						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 5.59 BELOW LSD, MAY 21, 1947,
 LOWEST WATER LEVEL 34.36 BELOW LSD, APR. 27, 1976.
 RECORDS AVAILABLE 1946-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1976	31.67	FEB. 23, 1977	29.42	JUNE 21, 1977	34.09	AUG. 29, 1977	32.59
DEC. 17	30.03	MAR. 8	31.39	JULY 20	34.17	SEP. 21	32.02
JAN. 24, 1977	29.66	MAY 24	30.78				

294344092491601 LOCAL WELL NUMBER: CN-60

OWNER: STATE OF LOUISIANA. (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 ABOVE MSL.
 HIGHEST WATER LEVEL 5.97 BELOW LSD, SEP. 10, 1958,
 LOWEST WATER LEVEL 10.66 BELOW LSD, FEB. 26, 1975.
 RECORDS AVAILABLE 1957-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	10.62						

295947093233201 LOCAL WELL NUMBER: CN-66

OWNER: CITIES SERVICE OIL CO. (SEC. 21, T. 12S., R. 10W.) DRILLED INDUSTRIAL ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 22 TO 10 IN, REPORTED DEPTH 503 FT, SCREENED 423-503. MP HOLE IN EAST SIDE OF STEEL PUMP BASE, 1.90 FT ABOVE LSD.

LSD 9.38 FT ABOVE MSL.
 HIGHEST WATER LEVEL 35.66 BELOW LSD, APR. 20, 1959,
 LOWEST WATER LEVEL 62.00 BELOW LSD, FEB. 25, 1970.
 RECORDS AVAILABLE 1958-67, 1969-71, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	61.91						

295314093241101 LOCAL WELL NUMBER: CN-73

OWNER: BUREAU OF SPORTS FISHERIES AND WILDLIFE, 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 ABOVE MSL.

HIGHEST WATER LEVEL 19.40 BELOW LSD, MAR. 27, 1961.

LOWEST WATER LEVEL 36.11 BELOW LSD, FEB. 27, 1974.

RECORDS AVAILABLE 1961-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	35.37						

295846092381101 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 ABOVE MSL.

HIGHEST WATER LEVEL 19.42 BELOW LSD, MAR. 22, 1965.

LOWEST WATER LEVEL 28.21 BELOW LSD, OCT. 23, 1969.

RECORDS AVAILABLE 1964-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1977	25.68	MAR. 9	25.78				

295846092381103 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 ABOVE MSL.

HIGHEST WATER LEVEL 19.47 BELOW LSD, MAR. 22, 1965.

LOWEST WATER LEVEL 28.26 BELOW LSD, OCT. 23, 1969.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1977	25.71	MAR. 9	25.88				

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 ABOVE MSL.

HIGHEST WATER LEVEL 20.92 BELOW LSD, MAR. 22, 1965.

LOWEST WATER LEVEL 30.48 BELOW LSD, OCT. 23, 1969.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1977	27.52						

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 ABOVE MSL.

HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965.

LOWEST WATER LEVEL 30.42 BELOW LSD, APR. 27, 1972.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1977	27.74	MAR. 9	27.97				

CAMERON PARISH

300120093320803 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 ABOVE MSL.
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
OCT. 26, 1976	51.13	FEB. 23, 1977	48.67				

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 ABOVE MSL.
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
OCT. 26, 1976	51.24	FEB. 23, 1977	48.82				

295337093240601 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 ABOVE MSL.
HIGHEST WATER LEVEL 22.38 BELOW LSD, DEC. 16, 1963,
LOWEST WATER LEVEL 46.80 BELOW LSD, AUG. 2, 1972.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1976	46.58	JAN. 25, 1977	45.95	APR. 27, 1977	44.82	JULY 18, 1977	45.73
DEC. 15	45.98	FEB. 23	45.26	JUNE 22	45.38	SEP. 22	45.97

300055093093001 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 ABOVE MSL.
HIGHEST WATER LEVEL 39.97 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 63.71 BELOW LSD, JULY 15, 1974.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1976	57.16	APR. 27, 1977	54.95	JUNE 23, 1977	60.19	AUG. 29, 1977	59.68
JAN. 24, 1977	56.12	MAY 24	57.87	JULY 18	60.45	SEP. 21	58.99
FEB. 24	57.06						

300055093093003 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 ABOVE MSL.
HIGHEST WATER LEVEL 40.27 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 64.08 BELOW LSD, JULY 15, 1974.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1976	57.52	APR. 27, 1977	55.32	JUNE 23, 1977	60.56	AUG. 29, 1977	59.95
JAN. 24, 1977	56.51	MAY 24	58.20	JULY 18	61.15	SEP. 21	59.35
FEB. 24	56.16						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 19.32 BELOW LSD, MAR. 25, 1964.
 LOWEST WATER LEVEL 27.05 BELOW LSD, MAR. 22, 1967.
 RECORDS AVAILABLE 1964-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1977	25.46	JUNE 14	26.50	SEP. 14, 1977	25.40		

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 ABOVE MSL.
 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. 24, 1977	28.49						

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 ABOVE MSL.
 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. 25, 1977	35.11						

294701093174301 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 ABOVE MSL.
 HIGHEST WATER LEVEL 9.64 BELOW LSD, DEC. 15, 1965.
 LOWEST WATER LEVEL 23.48 BELOW LSD, SEP. 4, 1974.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 24, 1977	23.08						

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 ABOVE MSL.
 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
MAR. 9, 1977	40.82						

CAMERON PARISH

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 ABOVE MSL.
 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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	18.67B						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 14.32 BELOW LSD, FEB. 22, 1972,
 LOWEST WATER LEVEL 14.99 BELOW LSD, FEB. 26, 1975.
 RECORDS AVAILABLE 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	14.78						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 46.22 BELOW LSD, MAR. 3, 1976,
 LOWEST WATER LEVEL 49.85 BELOW LSD, MAR. 5, 1975.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	48.30						

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 ABOVE MSL.
 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. 24, 1977	21.23						

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 ABOVE MSL.
 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. 24, 1977	30.13						

See footnotes at end of table.

LOUISIANA--CAMERON PARISH

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 ABOVE MSL.

HIGHEST WATER LEVEL 36.85 BELOW LSD, DEC. 3, 1975,

LOWEST WATER LEVEL 47.78 BELOW LSD, NOV. 4, 1974.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 25, 1977	44.73						

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 ABOVE MSL.

HIGHEST WATER LEVEL 53.84 BELOW LSD, APR. 22, 1975, MAR. 4, 1976,

LOWEST WATER LEVEL 58.66 BELOW LSD, NOV. 13, 1974.

RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 25, 1977	54.25						

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 ABOVE MSL.

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. 9, 1977	59.70	MAR. 16	59.87				

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 ABOVE MSL.

HIGHEST WATER LEVEL 19.99 BELOW LSD, JUNE 18, 1975,

LOWEST WATER LEVEL 21.20 BELOW LSD, AUG. 28, 1975.

RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 24, 1977	21.10						

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 ABOVE MSL.

HIGHEST WATER LEVEL 49.99 BELOW LSD, FEB. 23, 1977,

LOWEST WATER LEVEL 53.73 BELOW LSD, JULY 18, 1977.

RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 6, 1977	50.35	MAR. 16, 1977	51.14	JUNE 22, 1977	52.50	AUG. 26, 1977	53.50
FEB. 23	49.99	APR. 27	50.65	JULY 18	53.73	SEP. 22	53.72

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 ABOVE MSL.
 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
MAR. 7, 1977	14.52						

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 ABOVE MSL.
 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
MAR. 7, 1977	6.28						

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 ABOVE MSL.
 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
DEC. 20, 1976	20.70	MAR. 7, 1977	18.96	JUNE 14, 1977	19.38	AUG. 24, 1977	19.26
JAN. 21, 1977	19.72	MAY 24	19.00	JULY 18	19.87	SEP. 20	18.58
FEB. 16	19.15						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 5.26 BELOW LSD, APR. 22, 1976,
 LOWEST WATER LEVEL 21.58 BELOW LSD, OCT. 13, 1970.
 RECORDS AVAILABLE 1956, 1958-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 19, 1977	19.73						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 93.04 BELOW LSD, MAR. 5, 1975, MAR. 10, 1977,
 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
MAR. 10, 1977	93.04	MAY 19	95.47	JULY 26, 1977	98.08		

LOUISIANA--ORLEANS PARISH

JEFFERSON PARISH

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 ABOVE MSL.

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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	49.22	MAY 19	53.70				

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 ABOVE MSL.

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
MAR. 11, 1977	77.58	MAY 19	81.60				

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 ABOVE MSL.

HIGHEST WATER LEVEL 89.19 BELOW LSD, MAR. 5, 1975,

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
MAR. 4, 1977	89.47	MAR. 10, 1977	89.24	MAY 19, 1977	91.95	JULY 26, 1977	93.30

ORLEANS PARISH

301001089441301 LOCAL WELL NUMBER: OR-23

OWNER: LOUISIANA PARK 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 ABOVE MSL.

HIGHEST WATER LEVEL 2.24 BELOW LSD, MAR. 25, 1958,

LOWEST WATER LEVEL 15.70 BELOW LSD, MAY 19, 1977.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 19, 1977	15.70						

ORLEANS PARISH

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 ABOVE MSL.
 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. 5, 1976	115.78	JAN. 15, 1977	111.52	APR. 15, 1977	111.27	JULY 10, 1977	116.06
OCT. 10	116.61	JAN. 20	111.62H	APR. 20	111.76	JULY 15	116.05
OCT. 15	116.57	JAN. 25	111.47	APR. 25	112.11	JULY 20	116.13
OCT. 20	116.05	JAN. 31	111.47	APR. 30	113.14	JULY 25	116.53
OCT. 25	115.29	FEB. 5	111.96	MAY 5	113.27	JULY 26	116.63H
OCT. 31	114.92	FEB. 10	111.16	MAY 10	112.65	JULY 31	117.42
NOV. 5	114.91	FEB. 15	110.38	MAY 15	112.47	AUG. 5	117.60
NOV. 10	114.22	FEB. 20	110.72	MAY 19	112.85H	AUG. 10	116.58
NOV. 15	113.50H	FEB. 25	109.55	MAY 20	113.09	AUG. 15	116.02
NOV. 20	114.15	FEB. 28	109.19	MAY 25	112.71	AUG. 20	116.99
NOV. 25	114.06	MAR. 4	110.27H	MAY 31	113.70	AUG. 25	116.56
NOV. 30	113.05	MAR. 5	110.42	JUNE 5	114.69	AUG. 31	116.86
DEC. 5	113.34	MAR. 10	110.16	JUNE 10	115.56	SEP. 1	117.10H
DEC. 10	113.50	MAR. 15	110.09	JUNE 15	115.96	SEP. 5	116.22
DEC. 15	112.77	MAR. 20	110.69	JUNE 17	116.34H	SEP. 10	117.05
DEC. 20	112.86	MAR. 25	111.56	JUNE 20	116.28	SEP. 15	117.15
DEC. 25	112.06	MAR. 31	111.60	JUNE 25	116.90	SEP. 20	117.02
DEC. 31	111.86	APR. 5	110.87	JUNE 30	117.14	SEP. 25	117.27
JAN. 5, 1977	111.40	APR. 10	110.67	JULY 5	115.64	SEP. 30	117.09
JAN. 10	110.92						

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 SAFETY SEAL, 1.36 FT ABOVE LSD.
 LSD 4.00 FT ABOVE MSL.
 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
MAR. 4, 1977	112.44	MAR. 10, 1977	105.36	MAY 19, 1977	108.10	JULY 26, 1977	108.84

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 ABOVE MSL.
 HIGHEST WATER LEVEL 122.30 BELOW LSD, JAN. 20, 1977,
 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. 15, 1976	123.48	MAR. 4, 1977	125.51	MAY 17, 1977	137.52	JULY 26, 1977	150.48
JAN. 20, 1977	122.30	MAR. 11	125.75	JUNE 17	145.81	SEP. 1	151.23

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 ABOVE MSL.
 HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963,
 LOWEST WATER LEVEL 35.60 BELOW LSD, FEB. 25, 1975.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1977	32.93	MAY 19	34.75	JULY 26, 1977	35.49		

See footnotes at end of table.

LOUISIANA--ST. MARY PARISH

ORLEANS PARISH

300959089441901 LOCAL WELL NUMBER: QR-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 ABOVE MSL.
 HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965,
 LOWEST WATER LEVEL 75.90 ABOVE LSD, MAY 19, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	78.80	MAY 19	75.90				

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 ABOVE MSL.
 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. 28, 1976	9.73	FEB. 16, 1977	9.62	JUNE 14, 1977	8.92	AUG. 24, 1977	9.11
DEC. 20	10.25	MAR. 7	9.40	JULY 18	9.34	SEP. 20	8.81
JAN. 21, 1977	10.14	MAY 24	8.85				

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 ABOVE MSL.
 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. 28, 1976	10.83	FEB. 16, 1977	10.73	JUNE 14, 1977	10.06	AUG. 24, 1977	10.24
DEC. 20	11.32	MAR. 7	10.55	JULY 18	10.47	SEP. 20	9.93
JAN. 21, 1977	11.24	MAY 24	9.96				

295314091312101 LOCAL WELL NUMBER: SM-58

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 30, T. 13S., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 194 FT, SCREENED 188-194. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 10.37 FT ABOVE MSL.
 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
MAR. 7, 1977	6.54						

See footnotes at end of table.

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 ABOVE MSL.
 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. 9, 1977	10.72						

300425092120401 LOCAL WELL NUMBER: VE-52

OWNER: J. F. SIMON. (SEC. 19, T. 11S., R. 3E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 350 FT, SCREENED 290-350. MP OUTER LIP OF 1 1/2-IN COLLAR, 3.85 FT ABOVE LSD.
 LSD 24.91 FT ABOVE MSL.
 HIGHEST WATER LEVEL 21.62 BELOW LSD, JULY 9, 1953,
 LOWEST WATER LEVEL 43.05 BELOW LSD, FEB. 27, 1975.
 RECORDS AVAILABLE 1953-64, 1966, 1968-70, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1977	41.65						

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 ABOVE MSL.
 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. 22, 1977	21.34						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 8, 1948,
 LOWEST WATER LEVEL 33.95 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1946-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	33.60						

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 ABOVE MSL.
 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. 1, 1976	37.31	JAN. 19, 1977	34.65	MAR. 23, 1977	36.22	JULY 18, 1977	41.85
NOV. 23	36.57	FEB. 17	35.97	APR. 25	38.19	AUG. 25	38.16
DEC. 20	35.32	MAR. 9	33.89	MAY 24	46.52	SEP. 21	36.82

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 ABOVE MSL.
 HIGHEST WATER LEVEL 11.88 BELOW LSD, APR. 4, 1956.
 LOWEST WATER LEVEL 21.37 BELOW LSD, FEB. 28, 1975.
 RECORDS AVAILABLE 1954-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	21.02						

295642092165401 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 ABOVE MSL.
 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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	23.07						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 20.62 BELOW LSD, MAR. 26, 1962.
 LOWEST WATER LEVEL 27.70 BELOW LSD, MAR. 9, 1977.
 RECORDS AVAILABLE 1958-66, 1968-72, 1974-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	27.70						

293928092303001 LOCAL WELL NUMBER: VE-567

OWNER: SOSTANE BROUSSARD. (SEC. 31, T. 15S., R. 1W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 600 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF CASING, 0.7 FT ABOVE LSD.
 LSD 7.81 FT ABOVE MSL.
 HIGHEST WATER LEVEL 7.85 BELOW LSD, MAY 8, 1956.
 LOWEST WATER LEVEL 12.10 BELOW LSD, FEB. 27, 1975.
 RECORDS AVAILABLE 1956-58, 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	11.60						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 19.47 BELOW LSD, APR. 29, 1958.
 LOWEST WATER LEVEL 30.78 BELOW LSD, FEB. 6, 1974, MAR. 9, 1976.
 RECORDS AVAILABLE 1958-68, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	28.68						

GROUND-WATER LEVELS

567

VERMILION PARISH

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 ABOVE MSL.
 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, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 22, 1977	6.30						

294921092072501 LOCAL WELL NUMBER: VE-628

OWNER: U. S. GEOL. SURVEY. (SEC. 79, T. 14S., R. 3E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 88 FT, SCREENED 83-88. MP TOP OF 1 1/4-IN CASING, 1.55 FT ABOVE LSD.
 LSD 5.09 FT ABOVE MSL.
 HIGHEST WATER LEVEL 6.41 BELOW LSD, MAR. 2, 1966,
 LOWEST WATER LEVEL 12.32 BELOW LSD, JUNE 24, 1964.
 RECORDS AVAILABLE 1963-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	6.65	MAR. 17	6.53	JUNE 20, 1977	9.19		

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 ABOVE MSL.
 HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 9, 1966,
 LOWEST WATER LEVEL 7.40 BELOW LSD, AUG. 11, 1977.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1977	6.39	MAR. 9	6.45	AUG. 11, 1977	7.40		

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 ABOVE MSL.
 HIGHEST WATER LEVEL 3.89 BELOW LSD, MAR. 9, 1966,
 LOWEST WATER LEVEL 7.46 BELOW LSD, AUG. 11, 1977.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1977	6.47	MAR. 9	6.55	AUG. 11, 1977	7.46		

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 ABOVE MSL.
 HIGHEST WATER LEVEL 7.15 BELOW LSD, MAR. 5, 1968,
 LOWEST WATER LEVEL 11.74 BELOW LSD, AUG. 11, 1977.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1977	10.46	MAR. 9	10.47	AUG. 11, 1977	11.74		

LOUISIANA--VERMILION PARISH

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 ABOVE MSL.

HIGHEST WATER LEVEL 7.38 BELOW LSD, MAR. 9, 1966.

LOWEST WATER LEVEL 11.83 BELOW LSD, AUG. 11, 1977.

RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1977	10.56	MAR. 9	10.67	AUG. 11, 1977	11.83		

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 ABOVE MSL.

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
MAR. 3, 1977	11.62	MAR. 9, 1977	11.64	JUNE 22, 1977	12.91	AUG. 10, 1977	12.86

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 ABOVE MSL.

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
MAR. 3, 1977	11.74	MAR. 9, 1977	11.74	JUNE 22, 1977	12.99	AUG. 10, 1977	12.99

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 ABOVE MSL.

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
OCT. 29, 1976	9.65	JAN. 19, 1977	9.17	MAR. 2, 1977	9.13	MAY 24, 1977	8.85
NOV. 23	9.48	FEB. 18	9.24	MAR. 9	9.10	JULY 18	9.27
DEC. 20	9.05						

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 ABOVE MSL.

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
OCT. 27, 1976	16.53	MAR. 9, 1977	14.50	JUNE 20, 1977	17.20	AUG. 12, 1977	16.16

GROUND-WATER LEVELS

569

VERMILION PARISH

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 ABOVE MSL.
 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
MAR. 9, 1977	20.57						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 14.68 BELOW LSD, MAR. 4, 1969,
 LOWEST WATER LEVEL 22.78 BELOW LSD, MAR. 9, 1977.
 RECORDS AVAILABLE 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	22.78						

295240092240901 LOCAL WELL NUMBER: VE-655

OWNER: 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 ABOVE MSL.
 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. 5, 1976	13.35	MAR. 22, 1977	14.85				

293801092233801 LOCAL WELL NUMBER: VE-656

OWNER: HUMBLE OIL CO. (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 ABOVE MSL.
 HIGHEST WATER LEVEL 5.29 BELOW LSD, FEB. 27, 1974,
 LOWEST WATER LEVEL 6.70 BELOW LSD, MAR. 9, 1977.
 RECORDS AVAILABLE 1969-70, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	6.70						

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 ABOVE MSL.
 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
MAR. 9, 1977	25.18						

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 ABOVE MSL.

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. 9, 1977	7.72						

+ Above land-surface datum.
B Pumped recently.
H Tape measurement (recorder).

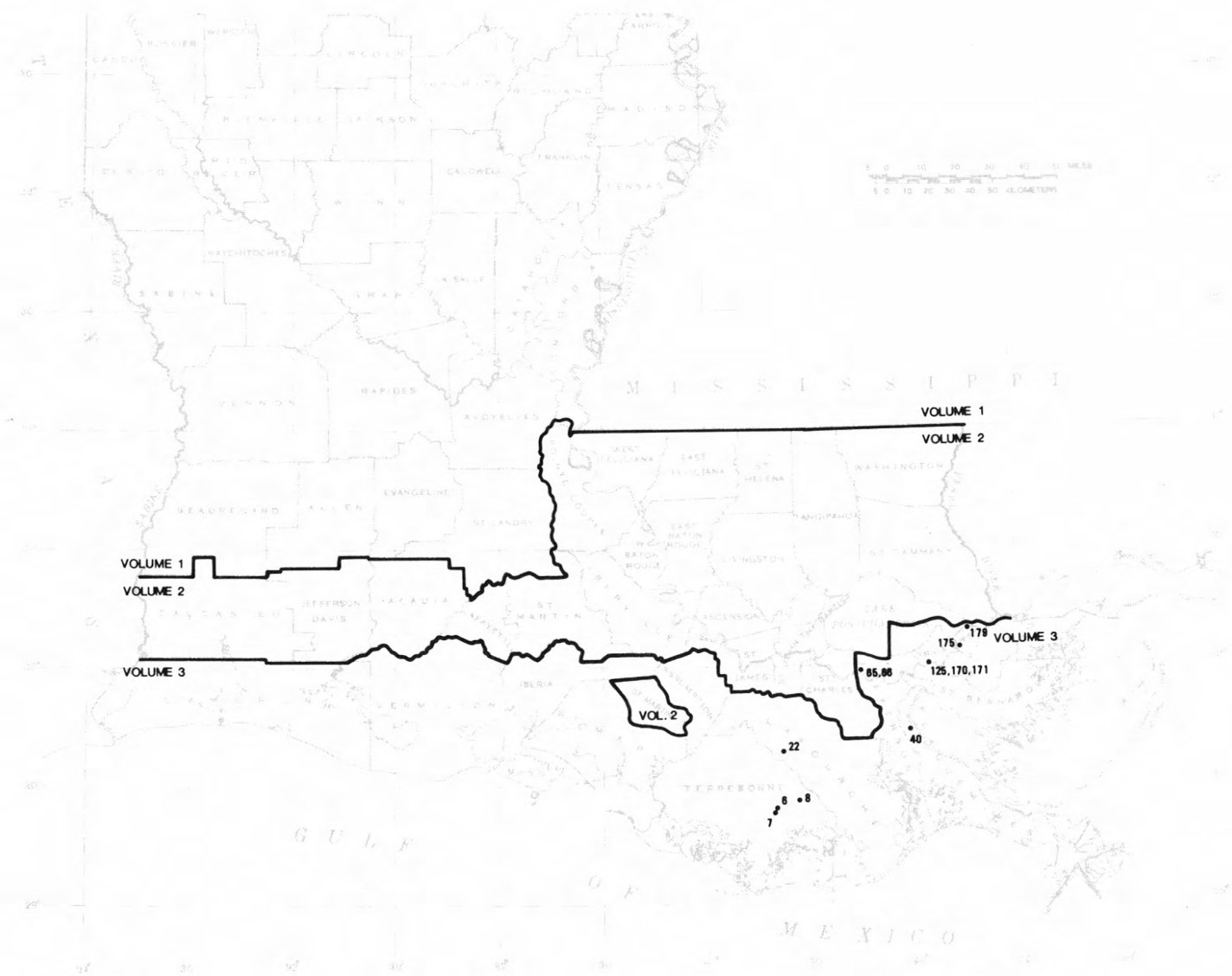


Figure 7. — Location of wells for which water-quality data are included in this report.

QUALITY OF GROUND WATER
CHEMICAL ANALYSES, OCTOBER 1976 TO SEPTEMBER 1977

LOCAL IDENTIFIER				STATION	NUMBER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (CA+MG) (MG/L)
JEFFERSON PARISH													
JF-	65	12S	9E	37	295906090152701	112GZNO	700	76-12-02	0855	773	--	24.5	12
JF-	66	12S	9E	37	295907090152901	112GZNO	698	76-12-02	0850	1970	--	24.5	71
LAFOURCHE PARISH													
LR-	22	16S	18E	27	293900090365801	111DLTCY	232	76-10-18	1730	9990	--	--	1700
ORLEANS PARISH													
OR-	125	12S	13E	42	300024089561701	112GZNO	632	76-12-02	1005	2770	--	25.0	61
OR-	170	12S	12E	42	300026089561101	112GZNO	645	76-12-02	1000	1980	--	24.0	36
OR-	171	12S	13E	42	300030089561801	112GZNO	645	76-12-02	1007	2380	--	25.0	44
OR-	175	11S	14E	38	300525089464001	112GZNO	449	77-06-02	1200	722	--	--	45
OR-	179	10S	15E	19	300959089441901	12203FP	2434	76-12-02	1045	634	--	--	0
PLAQUEMINES PARISH													
P1-	40	16S	24E	2	294318090000401	112GRMC	400	77-06-20	1200	7750	8.1	--	1000
TERREBONNE PARISH													
TE-	6	19S	17E	85	292421090420401	111DLTCY	300	76-10-19	1330	8390	--	23.0	1400
TE-	7	19S	17E	86	292350090422501	111DLTCY	282	76-10-19	1415	7430	--	--	1200
TE-	8	19S	18E	7	292608090354301	111DLTCY	280	76-10-20	0835	14600	--	--	2200

LOCAL IDENTIFIER					DATE OF SAMPLE	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
JEFFERSON PARISH													
JF-	65	12S	9E	37	76-12-02	--	--	--	--	--	--	--	--
JF-	66	12S	9E	37	76-12-02	--	--	--	--	--	--	--	--
LAFOURCHE PARISH													
LR-	22	16S	18E	27	76-10-18	--	--	--	--	--	--	--	--
ORLEANS PARISH													
OR-	125	12S	13E	42	76-12-02	--	--	--	--	--	--	--	--
OR-	170	12S	12E	42	76-12-02	--	--	--	--	--	--	--	--
OR-	171	12S	13E	42	76-12-02	--	--	--	--	--	--	--	--
OR-	175	11S	14E	38	77-06-02	--	--	--	--	--	--	--	--
OR-	179	10S	15E	19	76-12-02	--	--	--	--	--	--	--	--
PLAQUEMINES PARISH													
P1-	40	16S	24E	2	77-06-20	460	160	150	2800	38	656	0	538
TERREBONNE PARISH													
TE-	6	19S	17E	85	76-10-19	--	--	--	--	--	--	--	--
TE-	7	19S	17E	86	76-10-19	--	--	--	--	--	--	--	--
TE-	8	19S	18E	7	76-10-20	--	--	--	--	--	--	--	--

Geological unit (aquifer):

- 111DLTCY-Deltaic deposits, younger, Holocene age.
- 112GRMC -Gramercy aquifer, Pleistocene age.
- 112GZNO -Gonzales-New Orleans aquifer, Pleistocene age.
- 11203FP -Zone 3 Florida Parishes and Pointe Coupee Parish, Miocene age.

LOCAL IDENTIFIER					DATE OF SAMPLE	CARBON DIOXIDE (CO ₂) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)
JEFFERSON PARISH--Continued									
JF-	65	12S	9E	37	76-12-02	--	--	120	--
JF-	66	12S	9E	37	76-12-02	--	--	500	--
LAFOURCHE PARISH--Continued									
LR-	22	16S	18E	27	76-10-18	--	8.0	3200	--
ORLEANS PARISH--Continued									
OR-	125	12S	13E	42	76-12-02	--	--	660	--
OR-	170	12S	12E	42	76-12-02	--	--	410	--
OR-	171	12S	13E	42	76-12-02	--	--	560	--
OR-	175	11S	14E	38	77-06-02	--	--	42	--
OR-	179	10S	15E	19	76-12-02	--	--	11	--
PLAQUEMINES PARISH--Continued									
P1-	40	16S	24E	2	77-06-20	8.3	--	2200	1800
TERREBONNE PARISH--Continued									
TE-	6	19S	17E	85	76-10-19	--	--	2500	--
TE-	7	19S	17E	86	76-10-19	--	--	2100	--
TE-	8	19S	18E	7	76-10-20	--	--	4800	--

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FACTORS FOR CONVERTING U.S. CUSTOMARY UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the U.S. customary units published herein to the International System of Units (SI). Subsequent reports will contain both the U.S. customary and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply U.S. customary units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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