CHEMICAL, TISSUE, AND PHYSICAL DATA FROM WATER AND BOTTOM MATERIAL IN THE LOWER CALCASIEU RIVER, LOUISIANA, 1985-88

By Dennis K. Demcheck, Charles R. Demas, and Charles R. Garrison

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CONVERSION FACTORS AND ABBREVIATIONS

For the convenience of readers who prefer to use metric (International System) units rather than the inch-pound units used in this report, values may be converted by using the following factors:

Multiply inch-pound units	By	To obtain metric units
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
gallon (gal)	3.785	liter (L)
foot per second (ft/s)	0.3048	meter per second (m/s)
cubic foot per second (ft^3/s)	0.02832	cubic meter per second (m^3/s)
mile per hour (mi/h)	1.609	kilometer per hour (km/h)
ounce, avoirdupois (oz)	28.35	gram (g)
pound, avoirdupois (lb)	453.6	gram (g)

Temperature in degrees Celsius (°C) can be converted to degrees Fahrenheit (°F) as follows: $°F = 1.8 \times °C + 32$.

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)--a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Sea Level Datum of 1929."

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REFERENCE LIST OF SAMPLING SITE, LATITUDE/LONGITUDE, AND LOCATION FOR FIGURE 1

Site no.	Latitude/ longitude	Location
1	301832093065300	Calcasieu River 3.9 mi east of Moss Bluff, La.
2	301824093063600	Bayou Serpent 4.2 mi east of Moss Bluff, La.
3	301552093123500	West Fork Calcasieu River 1.0 mi northwest of Goosport, La.
4	301404093144800	Calcasieu River at Buoy 130 at Lake Charles La.
5	301240093153000	Calcasieu River at Buoy 114 at Lake Charles La.
6	301150093171600	Calcasieu River at Bayou d'Inde, 2.8 mi southeast of Hollywood, La.
7	300957093190800	Calcasieu River at petroleum refinery, 3.9 mi south of Hollywood, La.
8	08017090[a]	Calcasieu River at Burton Landing near Lake Charles, La.
9	300606093184400	Calcasieu River at Devil's Elbow, 5.5 mi northwest of Grand Lake, La.
10	300127093184900	Calcasieu Lake 2.3 mi northeast of Hackberry, La.
11	294605093204200	Calcasieu River at Buoy 47, 2.4 mi southwest of Cameron, La.
12	301230093181300	Bayou d'Inde 0.25 mi above industrial outfall canal.
13	301244093171300	Industrial outfall above I-210 bridge near Maplewood, La.
14	301230093180300	Bayou d'Inde at confluence with industrial outfall.
15	301210093173900	Bayou d'Inde 0.5 mi above mouth.

[a] Downstream order number.

REFERENCE LIST OF SAMPLING SITE, LATITUDE/LONGITUDE, AND LOCATION FOR FIGURE 5

Site no.	Latitude/ longitude	Location
1	301234093173600	Industrial outfall at Lockport Marsh bridge.
2	301234093174900	Industrial outfall canal at bridge 0.25 mi above mouth.
3	301233093180100	Industrial outfall canal 100 ft above mouth.
4	301159093205500	Bayou d'Inde at Little Bayou d'Inde.
5	301205093201800	Bayou d'Inde 1 mi below Little Bayou d'Inde.
6	301203093195900	Bayou d'Inde 0.5 mi above Highway 108.
7	301209093193600	Bayou d'Inde 500 ft above Highway 108.
8	301209093193000	Bayou d'Inde 500 ft below Highway 108.
9	301230093181300	Bayou d'Inde 0.25 mi above industrial outfall canal.
10	301224093174900	Bayou d'Inde 0.25 mi below industrial outfall canal.
11	301210093173900	Bayou d'Inde 0.5 mi above mouth.
12	301153093171900	Bayou d'Inde at mouth near Sulphur, La.
13	301150093171600	Calcasieu River at Bayou d'Inde, 2.8 mi southeast of Hollywood, La.
14	301143093171000	Prien Lake cut at Bayou d'Inde.
15	301127093172400	Prien Lake at northwest shore.
16	301031093171000	Prien Lake outlet (south end).
17	301404093144800	Calcasieu River at Buoy 130 at Lake Charles, La.

CHEMICAL, TISSUE, AND PHYSICAL DATA FROM WATER AND BOTTOM MATERIAL IN THE LOWER CALCASIEU RIVER, LOUISIANA, 1985-88

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ABSTRACT

The lower Calcasieu River is an estuarine system that has been affected by industrial activity. Prior to 1984, several synthetic organic compounds were detected in an industrialized reach of the lower Calcasieu River. In 1985, the U.S. Geological Survey began a series of studies to determine the processes that control the fate and transport of some of these organic compounds and trace elements in the lower Calcasieu River, Louisiana.

Field and laboratory methods used by the U.S. Geological Survey during studies conducted on the lower Calcasieu River from 1985 to 1988 are described. All data collected during these studies also are presented. Data presented include: Daily velocities, temperatures, and specific conductances; dye-tracer data; salinity-profile data; instantaneous discharges; suspended-sediment concentrations; bottom-material particle-size distributions; major inorganic chemical concentrations, nutrients, and physical constituents in water; trace-metal concentrations in water and bottom material; concentrations of volatile organic and methylene chloride-extractable organic compounds in water, bottom material, and tissue from plants, invertebrates, and fish; concentrations of insecticide compounds in bottom material; cesium-137 and lead-210 radioactivity levels in bottom material; and radon-222 radioactivity levels in water and bottom material.

INTRODUCTION

The lower Calcasieu River, in southwestern Louisiana (fig. 1), is an example of a microtidal estuarine system that has been affected by industrial activity. Contamination of water, bottom material, and aquatic organisms in the lower Calcasieu River with synthetic organic compounds and trace metals has been detected by State and Federal agencies (Michael Schurtz, Louisiana Department of Environmental Quality, written commun., 1985; Philip Crocker, U.S. Environmental Protection Agency, written commun., 1985 and 1986) and by McNeese State University (DeRouen and Stevenson, 1987). Approximately 30 industrial plants border the lower Calcasieu River between Lake Charles and the Intracoastal Waterway.

None of the previous studies, however, has determined the processes that control the fate and transport of these synthetic organic compounds and trace elements in relation to the physical and chemical characteristics of the river. In 1985, the U.S. Geological Survey began a series of studies to

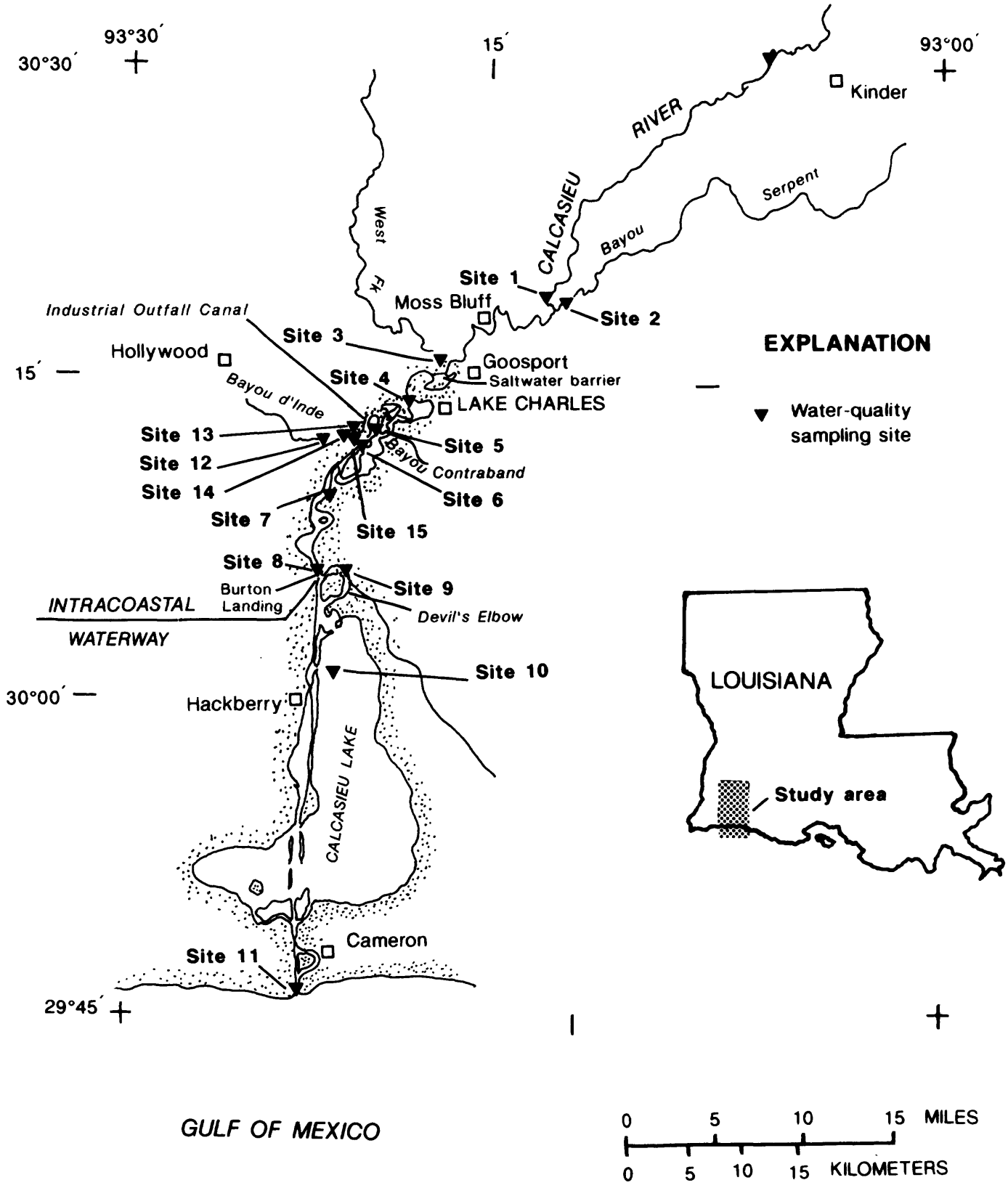

Figure 1.--Location of study area and sampling sites, lower Calcasieu River, Louisiana.

determine the processes that control the fate and transport of organic compounds and trace elements in the industrial reach and in the transition zone between brackish and freshwater of the lower Calcasieu River.

The purposes of this report are to describe the water-quality sampling and analytical methods used in routine sampling and special studies from 1985 to 1988, and provide a single document that contains all the data collected by the U.S. Geological Survey during the different studies. Data presented include: Daily velocities, temperatures, and specific conductances; dye-tracer data; salinity-profile data; instantaneous discharges; suspended-sediment concentrations; bottom-material particle-size distributions; major inorganic chemical concentrations, nutrients, and physical constituents in water; trace-metal concentrations in water and bottom material; concentrations of volatile organic and methylene chloride-extractable organic compounds in water, bottom material, and tissue from plants, invertebrates, and fish; concentrations of insecticide compounds in bottom material; cesium-137 and lead-210 radioactivity levels in bottom material; and radon-222 radioactivity levels in water and bottom material.

STUDY AREA

The lower Calcasieu River includes areas that are dominated by freshwater, brackish water, and saltwater. Riparian vegetation varies from bottomland hardwoods and cypress-tupelo gum swamps in the freshwater areas to marshes in the saltwater areas. The main channel of the lower Calcasieu River is a dredged channel bordered by spoil banks below the city of Lake Charles, Louisiana (fig. 1).

The reach of the lower Calcasieu River investigated during this study extends from Kinder, Louisiana, to Cameron, Louisiana (fig. 1), a total distance of 54 river miles. Cross-sectional widths range from 200 ft at Kinder to 400-600 ft in the ship channel at the outlet to the Gulf of Mexico. Yearly mean discharge for the Calcasieu River at Kinder was 2,730 ft^3/s for the 1985-87 water years (Carlson and others, 1985; 1986; 1988). Intensive studies were conducted around Bayou d'Inde and the industrialized area extending from Lake Charles to Burton Landing, a reach of approximately 14 mi. Instantaneous-discharge measurements in this tidally-affected reach ranged from -2,370 to +71,000 ft^3/s during the 1985-87 water years. Instantaneous stream velocities ranged from -0.17 to +4.96 ft/s for the instantaneous measurements in the tidally-affected reach of the lower Calcasieu River during this same time period.

MATERIALS AND METHODS

Physical constituents such as dissolved oxygen, pH, temperature, specific conductance, salinity, and oxidation-reduction potential were measured in the water using an in situ water-quality monitor. Daily specific-conductance and temperature data were collected at two sites using a U.S. Geological Survey water-quality minimonitor. Additional daily specific-conductance and temperature data were collected by an observer at a third site.

Instantaneous discharge measurements were made in the lower Calcasieu River using an electromagnetic water current meter that provided both direction and magnitude of flow. Additional flow data also were collected on a daily basis at the I-10 bridge site using an electromagnetic water current meter with probes set at 0.2 and 0.8 of the average depth of the river. Data were available on a real-time basis through the use of a Handar-GOES (Geostationary Operational Environmental Satellite) data acquisition system and also were stored on a digital paper-tape recorder.

Dye-tracer studies were conducted on two occasions during the study. The first study was conducted in the main ship channel just above Prien Lake in January 1987. The second study was done in an industrial outfall and Bayou d'Inde in September 1987. Both studies were conducted according to methods in Hubbard and others (1982).

Suspended-sediment samples were collected in water less than 20 ft in depth and velocities less than 1.5 ft/s using a wire-basket sampler. Point samples were collected in water greater than 20 ft in depth and velocities less than 1.5 ft/s at 0.1, 0.3, 0.5, 0.7, and 0.9 of total depth using a horizontally-oriented, messenger-triggered, 6.2 L (liter) Van Dorn sampler. Prior to analysis, samples were transferred to 3.2 L wide-mouth plastic bottles and treated with 5 mL of chlorine bleach (used as a biocide). A P-63 suspended-sediment sampler was used on one occasion when stream velocities exceeded 1.5 ft/s. Prior to analysis, suspended-sediment samples were collected in 500 mL glass bottles at points using the P-63 sampler and treated with 1 mL of chlorine bleach.

Suspended-sediment concentrations and particle-size distributions were determined at a U.S. Geological Survey sediment laboratory, according to methods described in Guy (1969) with the following modifications: Concentrations of fines (<0.0625 mm) were filtered through 0.00045 mm pretared silver filters and washed with de-ionized water prior to drying. The smaller pore-size filter was used to prevent any material from being washed away when the filters were washed with de-ionized water to minimize the high dissolved-solids concentrations present in the water samples. The dry-sieve method was used for particle-size analysis of the sand fraction. The bottom-withdrawal tube method was used for particle-size analysis of the total-fines fraction.

Water-Quality Sampling and Analytical Methods

Depth-integrated water-quality samples for inorganic constituents, trace metals, and methylene chloride-extractable organic compounds were collected from water less than 20 ft in depth and velocities less than 1.5 ft/s using an epoxy-coated, wire-basket sampler containing a clean, fired (at 350 °C for 6 hrs) to burn off any organic contaminants), narrow-mouth 1-L glass bottle. A Johnson-Keck pump with Teflon tubing and a viton stator was used to collect depth-integrated or point samples in water greater than 20 ft in depth and velocities less than 1.5 ft/s. The pump was cleaned with pesticide-grade methanol and rinsed with de-ionized water in the laboratory prior to use, and the pump was rinsed with ambient water at each site prior to use.

Samples for volatile organic compounds (VOCs) were collected in clean, fired, 40-mL glass septum vials with Teflon septums. Vials were placed in stainless-steel sewage samplers that had been cleaned in the laboratory with pesticide-grade methanol and rinsed with de-ionized water. The VOC samples were depth-integrated or collected at points in the river using a messenger-activated stainless-steel sewage sampler. All samplers and sample containers were rinsed with ambient water at the sampling site prior to sampling.

All water samples were preserved and, when required, filtered in the field according to methods listed in Brown and others (1970). All nutrient and organic samples were stored in coolers at 4 °C immediately upon collection, placed in refrigerators in the mobile laboratory after processing, and shipped in coolers at 4 °C to the appropriate laboratories for analysis. Water samples analyzed for major inorganic chemical constituents and trace metals were sent to U.S. Geological Survey laboratories. Samples were analyzed according to methods listed in Fishman and Friedman (1985). Water samples analyzed for VOCs were sent to a Survey laboratory and were analyzed according to methods in Wershaw and others (1983). Water samples collected for dissolved organic carbon fractionation were filtered through a 0.00045 mm silver filter, sent to a commercial laboratory, and analyzed according to methods listed in Leenheer and Huffman (1979). Water samples analyzed for methylene chloride-extractable organic compounds were sent to a Survey laboratory and the Tennessee Valley Authority Laboratory (TVAL), and analyzed according to methods in Wershaw and others (1983) and U.S. Environmental Protection Agency (1979a, 1979b).

Bottom-material samples were collected with a stainless-steel petite-ponar sampler for organic-compound analysis and a Teflon-lined petite-ponar sampler for trace-metal analysis. Samples for particle-size, loss-on-ignition, and total organic carbon analyses were collected from the bottom using a stainless-steel petite-ponar sampler. Core samples were collected from the bottom using a hand corer and a 150-lb gravity corer, depending on sampling depth. Liners made of 2 in. by 20 in. stainless steel or plastic were used with the hand corer. Liners made of 4 in. by 48 in. plastic were used with the gravity corer. Cores were analyzed for trace metals and radioisotopes.

Samples for analysis of particle-size distributions, loss-on-ignition, and percent moisture of bottom material were stored in clean plastic 500 mL containers after collection and analyzed by a Survey sediment laboratory. Mechanical dry-sieve analysis, using standard methods reported by Guy (1969), was used for the samples containing mostly sand. Hydrometer analysis, using methods developed by the U.S. Army Corps of Engineers (1970), was used for the samples containing mostly fines. The particle-size distribution of samples containing both sand and fines were determined by combined sieve and hydrometer analyses. Loss-on-ignition and percent moisture were determined according to methods in Brown and others (1970) and Buckman and Brady (1969).

Bottom-material samples were stored in clean, plastic, 500-mL containers in the field and analyzed for trace metals and nutrients at a Survey laboratory using methods listed in Fishman and Friedman (1985). Nutrient samples were chilled to 4 °C immediately after collection and sent in

coolers at 4 °C to a Survey laboratory. Samples for analysis of methylene chloride-extractable organic compounds in bottom material were placed in clean, fired, 1-L glass bottles and immediately chilled to 4 °C until analysis by the TVAL. Samples were analyzed at the TVAL according to U.S. Environmental Protection Agency (1979b) method 625. Samples for analysis of VOCs in bottom material were stored in 40-mL septum vials at 4 °C until analysis by the TVAL, using a modification of U.S. Environmental Protection Agency (1979a) method 624 (James Bobo, Tennessee Valley Authority, written commun., 1987).

Core samples were extruded in the field and cut into sections according to depth below surface. Sections were then sent to a Survey laboratory for cesium-137 and lead-210 analyses according to methods listed in Thatcher and others (1977). Additional core-sample sections were sent to a Survey laboratory for total trace-metal analysis, according to methods listed in Fishman and Friedman (1985).

Biologic samples were collected using a variety of methods that included gill nets and rod and reel for finfish, commercial crab traps for crabs, and petite-ponar and a biological-dredge sampler for clams. Once collected, biologic specimens were prepared using the following procedure:

1. Upon collection:
   a. Organisms were separated into species;
   b. Wrapped in aluminum foil;
   c. Labeled by site, date, and time;
   d. Placed in plastic bags; and
   e. Stored in ice chests and chilled until processed.

2. In the field laboratory:
   a. Species were measured (total length of fish, total carapace width of crabs, and total shell length of clams) and segregated by size class.
   b. Specimens were weighed.
   c. Intestinal contents were removed from specimens.
   d. Whole specimens, segregated by size class, were placed in a prerinsed stainless-steel blender, (1-5 individuals--fish and crabs, 20-25 clams) and blended at 10,000 rotations per minute. A known volume of de-ionized water was added to facilitate blending. The volume of de-ionized water added to the sample was reported to the laboratory. The sample was blended until a uniform mixture was obtained.
   e. Composited samples were transferred to clean, fired, glass bottles. Bottles were labeled according to species, size, number of organisms composited, site, date, and time. Bottles were placed in a refrigerator, stored at 4 °C, and transported to the laboratory.
   f. Unblended tissue (fish, crabs, and clams) samples for analysis of volatile organic compounds were stored and labeled using similar techniques as those used to label blended samples.

In addition to the above steps, the following procedures were implemented and samples were analyzed for quality-control purposes.

1. Glassware, utensils, and the blender were rinsed with pesticide-grade methanol and de-ionized water (three rinses). Glassware was then fired at 350 °C for a minimum of 6 hrs at a Survey laboratory.

2. Subsamples of de-ionized water and methanol used in the rinse process were collected and sent to the the TVAL for organic-chemical analysis.

3. All tissue samples were sent to Mississippi State University Chemistry Laboratory for organic-chemical analysis. The VOCs in tissue were run using an unpublished modification of U.S. Environmental Protection Agency (1979a) method 624 (Tennessee Valley Authority, written commun., 1987) and considered semi-quantitative data and interpreted accordingly. Organochlorines and polynuclear hydrocarbons in tissue were analyzed using methods developed in cooperation with the U.S. Fish and Wildlife Service (Belisile and others, 1981).

SPECIAL STUDIES

Remobilization of Organic Compounds from Bottom Material

In April 1987, samples were collected to determine the remobilization of organic compounds from bottom material. A stainless-steel petite-ponar sampler was used to collect 24 L of bottom material at one vertical from Bayou d'Inde near its confluence with an industrial outfall canal (fig. 1). The bottom material was stored in clean, fired, glass bottles at 4 °C until processed. Native water was collected at the mouth of Bayou d'Inde and the Calcasieu River near Kinder, using prerinsed (pesticide-grade methanol and de-ionized water) 16-L glass carboys and stored at 4 °C until analyzed. An in situ water-quality monitor was used to record water temperature, pH, dissolved oxygen, salinity, specific conductance, and oxidation-reduction potential when the bottom-material and native-water samples were collected.

Bottom-material samples were composited and mixed for 30 minutes using a Teflon-coated industrial pastry mixer to ensure that representative subsamples were obtained. One set of subsamples of bottom material (after compositing), native water, and de-ionized water were placed in clean, fired, 1-L glass bottles and sent to the TVAL for chemical analysis. Another set of subsamples of bottom material, native water, and de-ionized water was set aside for a procedure that used standard elutriate methods developed by Keeley and Engler (1974). Using the procedure, bottom material from Bayou d'Inde was mixed with native water from either Bayou d'Inde, Calcasieu River near Kinder, or de-ionized water. A 1:4 volumetric ratio of bottom material to water was used in each test. Each mixture was placed in the mixer and vigorously mixed for 30 minutes.

A part of the bottom material-water mixture was poured into Imhoff cones immediately after mixing and rates of deposition were recorded (American Public Health Administration and others, 1981). The remainder of the bottom material-water mixture was placed in a clean, 16-L glass carboy and refrigerated at 4 °C for 1 hr. After settling for 1 hr, a portion of the bottom material-water mixture was decanted into clean, fired, 1-L glass bottles and sent to the TVAL for analysis. The decanted mixture represents the fine material that would remain suspended in the water column after dredging. The other portion of the mixture was centrifuged and then filtered, using 0.001 mm effective pore size, glass-fiber filters in a positive-pressure stainless-steel filtering apparatus that was pressurized with ultra-pure nitrogen gas. Filtered water was collected in clean fired, 1-L glass bottles and sent to the TVAL for analysis of organic compounds, using methods previously described.

Analysis of Bacterial Degradation of Synthetic Organic Compounds

Bottom material collected as part of the remobilization study also was used to determine if bacterial degradation of synthetic organic compounds was occurring in the lower Calcasieu River. Subsamples of bottom material were removed after the samples had been composited and mixed to assure uniformity. The bottom material was placed in 16 clean, fired, 100 mL glass bottles. Twelve of the bottled samples were sterilized at the Louisiana State University Nuclear Sciences Laboratory, using a cobalt irradiator. Irradiation times were adjusted to give a total dosage of 1 million Rads of ionizing radiation. Dosimetry was done by the Fricke method (Swallow, 1960), using ferrous sulfate solutions, and also by LIF thermoluminescent chip analysis in the axial position of the diving bell (E.N. Lambremont, Lousiana State University, Department of Nuclear Sciences, written commun., 1987). Irradiation was conducted at ambient temperature (approximately 20 °C) and no increase in sample temperature was noted. Irradiated samples were used to provide samples in which no bacterial degradation could occur.

Three irradiated and three non-irradiated samples were sent to the TVAL for analysis of organic chemicals. Three of the remaining irradiated samples and three non-irradiated samples were placed in a stainless-steel airtight container. The container was purged with ultra-pure nitrogen gas, sealed, and placed in an upright incubator set at 20 °C. Irradiated and non-irradiated samples were incubated at 20 °C for 60 days and then sent to the TVAL for analysis of organic chemicals.

Uptake of Synthetic Organic Compounds by Rangia cuneata

Rangia cuneata, a brackish water clam, were collected to determine their usefulness as a bio-accumulator of synthetic organic compounds and help determine fate and transport of selected organic compounds. Rangia cuneata were collected from a large bed in the northwestern corner of Lake Charles (fig. 1), using a biological dredge. Specimens were cleaned with native water, sorted for size, and placed in a clean, galvanized tub prior to placement in holding cages. Cages were constructed of a rubber-coated wire mesh. Approximately 80 specimens were placed in each cage. Cages were placed on or sus-

pended slightly above the bottom at several sites throughout the study area. Cages were retrieved after 35 days, except at one site where 41 days elapsed before retrieval, due to access problems.

Temperature, pH, dissolved oxygen, specific conductance, salinity, and oxidation-reduction potential were recorded at the surface and bottom of the river at each site prior to placement of the clams and immediately after their retrieval using an in situ water-quality monitor. Water and bottom-material samples were collected at each site concurrent with collection, placement, and retrieval of the clams and analyzed for VOCs and methylene chloride-extractable organic compounds, using methods described previously.

At the beginning of the study, 40 clams from the Lake Charles bed were composited, and duplicate whole body samples were analyzed for selected methylene chloride-extractable organic compounds. Also, two individual clams from the same bed were analyzed for VOCs at the beginning of the study. Similarly, 40 clams from the Lake Charles bed and a like number from the test sites were analyzed for the selected organic compounds, and 4 clams (including duplicates at one site) were analyzed for VOCs at the end of the study. Clams were frozen immediately after collection and shipped on dry ice to the Mississippi State University Chemistry Laboratory for analysis of organic compounds, using methods described previously.

Use of Radon-222 as a Tracer of Transport Across the Bed Sediment-Water Interface

A study was performed to evaluate the usefulness of radon-222 as a tracer to estimate the rate of transport of water-soluble compounds across the bed sediment-water interface in the lower Calcasieu River. Flux chambers (fig. 2) were deployed by divers in Prien Lake, Louisiana (fig. 1), starting in late December 1987 and ending in early February 1988 to determine movement of radon-222 from the bed sediment to the overlying water. Core samples also were collected to verify flux-chamber results and to provide information on diffusion coefficients of radon-222 in Prien Lake.

Two approaches were used to directly measure radon-222 flux into overlying water from the bed sediment. The approaches used involved placement of a confining device on the bed-sediment surface and comparison of radon-222/radium-226 activities at different depths in core samples (Hammond and others, 1977). In the first approach, radon-222 was measured and compared between chambers that were opened and closed to the bed sediment of the lake.

The in situ aluminum chambers originally were designed by Region IV of the U.S. Environmental Protection Agency for sediment oxygen demand studies (Murphy and Hicks, 1986). The chamber (fig. 2) consisted of a cylinder with a center core that formed an annular ring (fig. 2). The lid was fastened to the top of the chamber with four wing nuts. The lid was removed during deployment, which facilitated purging of the chamber as it passed through the water. Divers positioned the chamber on the bottom of the lake and then lowered and fastened the lid. The chamber in the deployed position isolates 65 L of water over 0.27 m^2 of bed sediment. Further details of the chamber design are given by Murphy and Hicks (1986).

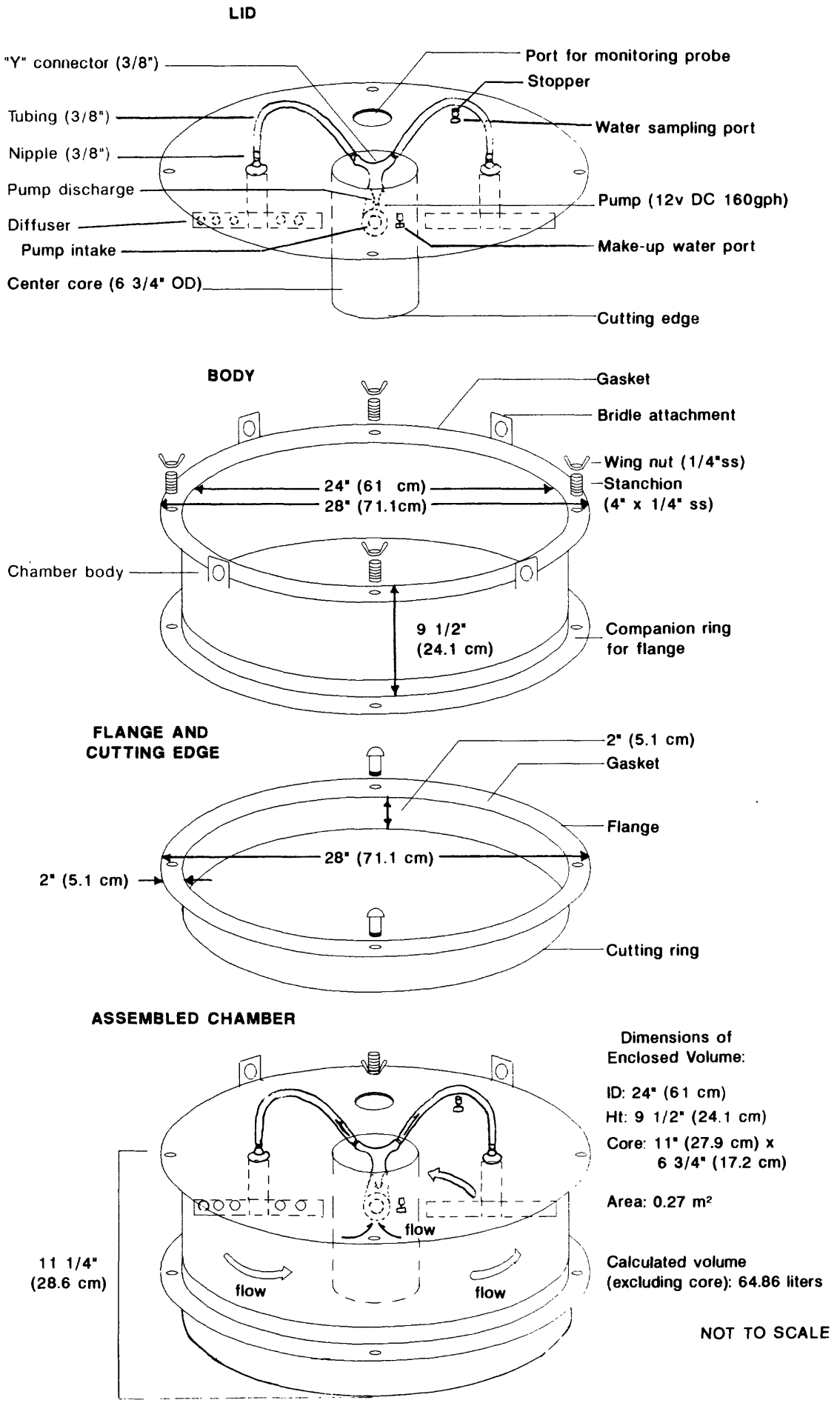

Figure 2.--Schematic of in situ flux chamber.

After the chamber and lid were in position, divers extracted water samples of approximately 200 mL per sample. Duplicate samples were collected from each chamber. These samples were drawn into evacuated samplers through a short tube with a valve extending from the chamber, sealed, and brought to the surface to be analyzed for radon-222.

In the second approach, sedimentary radon-222 (C) and radium-226 activities were obtained from hand cores. The cores were extruded with the aid of a plunger inserted from the bottom of the core liner. The cores were sectioned into 1- to 2-in. long segments. These segments were sealed in glass flasks containing approximately 200 mL of native water. The mixture was then agitated to form a slurry. The radon-222 was removed by bubbling ambient air through the slurry and extracting the radon-222 into Lucas counting cells. Radium-226 was determined by the same procedure after the radon-free slurries were resealed for a minimum of 2 weeks to allow ingrowth of the daughter, radon-222. The radon-222 determined after this 2-week period represents the radon-222 concentration (Ceq) in equilibrium with sedimentary radium-226. Sedimentary radon-222/radium-226 activities were calculated using C and Ceq (Hammond and others, 1977; Hartman and Hammond, 1984).

Radon-222 activities in both the water and sediment slurries were counted in a Lucas-type cell that was constructed of acrylic plastic. A dual counting system was used for quality-control purposes. The alpha particles emitted from radon-222 decay produce scintillations on the activated zinc sulfide coating inside the counting cell. Photons of light emitted were detected by a photomultiplier tube and counted in a cylinder in a light-free environment. Each cell was calibrated against a standard of known radon-222 activity (Roger Lee, U.S. Geological Survey, written commun., 1987). The radon counting equipment was set up in the District laboratory after the first deployment and in a location near the lake after the second deployment. Duplicate water samples were collected from the flux chambers. Duplicate samples were analyzed on both photomultiplier tubes to remove any bias in the results from using one tube over the other.

EXPLANATION OF TABLES

Data are presented in a tabular and figure format and are at the back of the report. The following topics are described in tables 1-19 and figures 2-5:

1. Daily flow, temperature, and specific-conductance values (tables 1, 2, and 3.

2. The extent of dye-tracer movement in the main ship channel and Prien Lake (fig. 3).

3. Salinity-profile data (fig. 4 and table 4).

4. Miscellaneous discharge, suspended-sediment and bottom-material concentrations and particle-size distribution data (table 5).

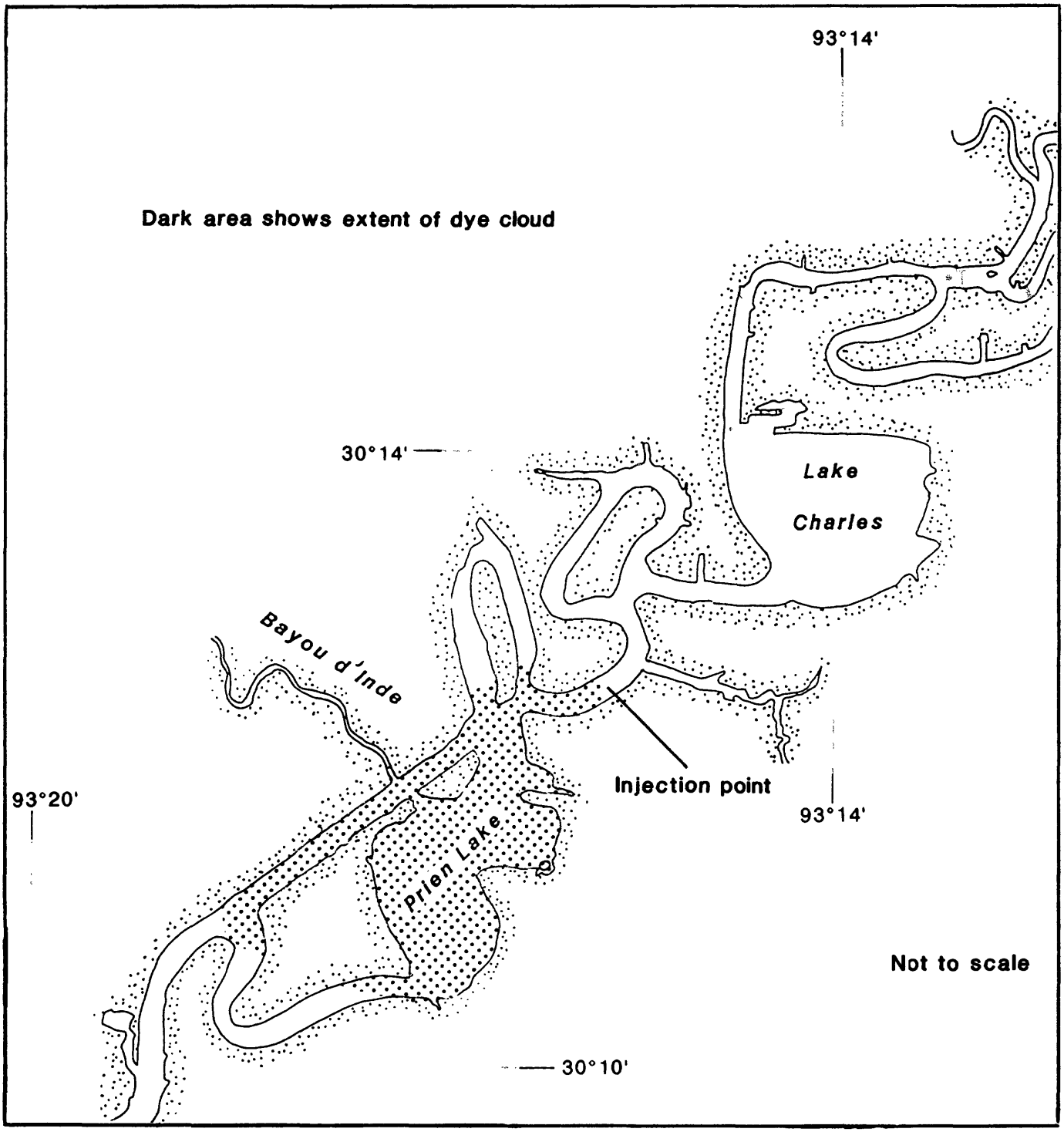

Figure 3.--Extent of dye cloud 1 day after injection into the lower Calcasieu River, Louisiana, January 13, 1987.

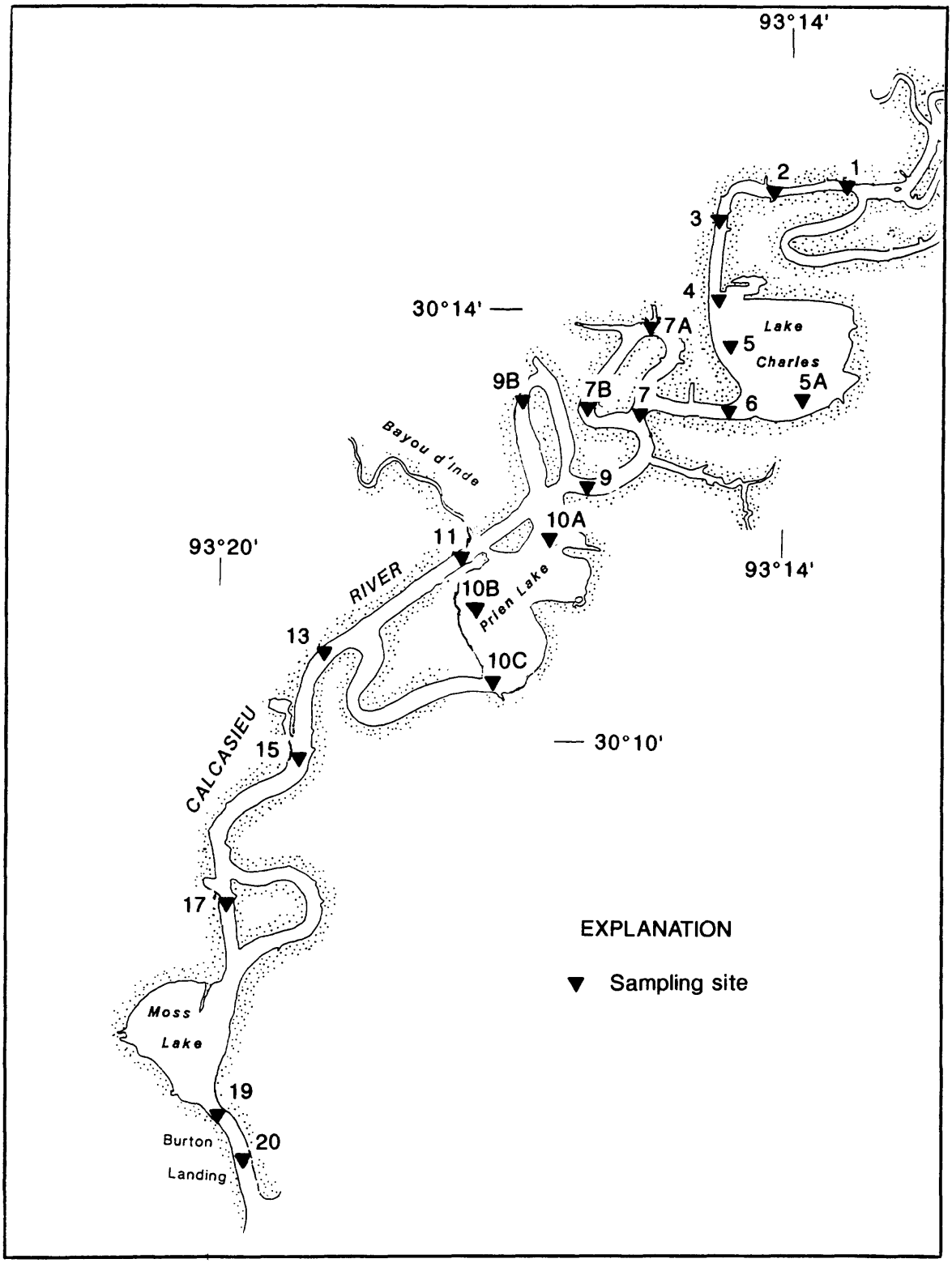

Figure 4.--Location of salinity-profile and in situ water-quality sampling sites for the lower Calcasieu River, Louisiana, February-March 1987.

5. Chemical and physical data from water and bottom material collected during reconnaissance studies (tables 6 and 7).

6. Cesium-137 and lead-210 data from core samples (table 8).

7. Chemical and physical data collected during an intensive sampling trip in May 1986 (table 9).

8. Total trace-metal concentrations (by depth) in core samples (table 10).

9. Volatile organic-compounds data collected during moderate wind conditions (table 11).

10. Chemical and physical data collected during a remobilization of synthetic organic compounds study (table 11).

11. Organic-chemical data in bottom material collected during a biodegradation study, utilizing gamma irradiation (table 13).

12. Chemical, physical, and dye-tracer data in water collected during a volatilization study (table 14).

13. Chemical and physical data in water, bottom material, and tissue collected during an uptake study using Rangia cuneata (table 15).

14. Radon-222 data in water and bottom material collected during an interstitial water migration study (table 16).

15. Concentrations of selected synthetic organic compounds in miscellaneous tissue analyses studies (table 17).

16. Chemical and physical data in water, bottom material, and tissue collected during a toxicity-characterization study (tables 18 and 19, and fig. 5).

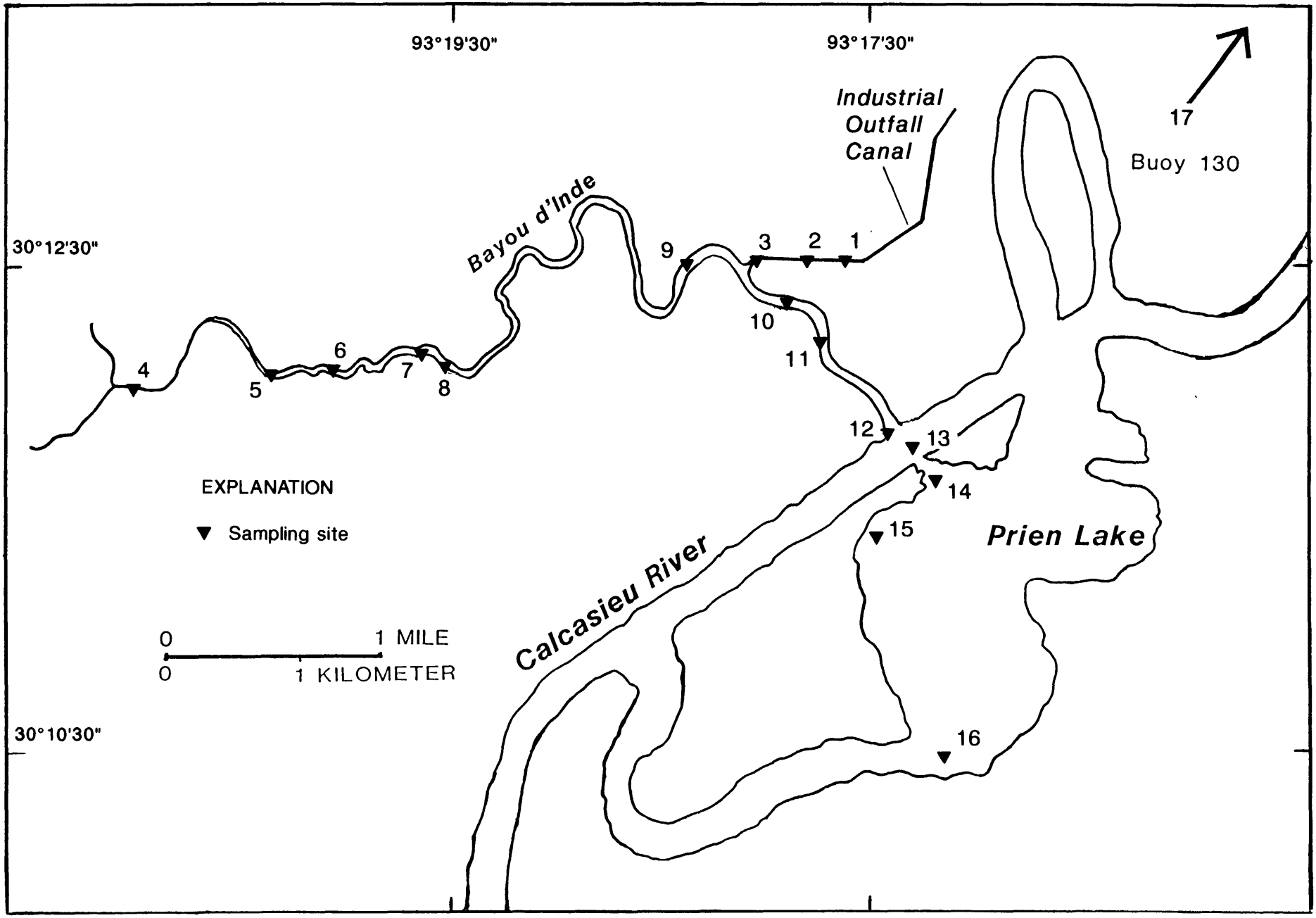

Figure 5.--Location of sampling sites during a toxicity-characterization study of the lower Calcasieu River and Bayou d'Inde, Louisiana, June 1988.

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TABLES 1-19

TABLE 1A.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA,
DAILY GAGE HEIGHT DATA, MAY 1986 TO SEPTEMBER 1988

[DASHES (---), NOT RECORDED]

GAGE HEIGHT, FEET, MAY TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	6.76	5.87	6.63	5.32	5.74	4.31	6.51	5.19
2	---	---	---	---	6.63	5.59	6.63	4.96	5.69	4.21	6.96	5.25
3	---	---	---	---	6.67	5.60	6.20	4.54	5.87	4.22	6.69	5.68
4	---	---	6.63	5.74	6.85	5.59	6.35	4.51	5.94	4.37	6.61	5.47
5	---	---	6.93	5.94	7.07	5.72	6.41	4.88	6.24	4.63	6.37	5.46
6	---	---	6.83	6.08	7.11	5.95	6.55	5.00	6.24	4.88	6.31	5.35
7	---	---	7.00	5.93	6.99	5.76	6.36	4.93	---	---	6.32	5.35
8	---	---	6.92	5.74	7.41	5.70	6.44	4.76	6.17	4.97	6.36	5.26
9	---	---	6.82	5.71	7.67	6.52	6.60	5.00	6.37	5.42	6.34	6.17
10	---	---	6.94	5.50	7.59	6.46	---	---	6.08	5.30	---	---
11	---	---	7.07	5.47	7.30	6.31	6.58	5.40	6.10	4.92	---	---
12	---	---	6.62	5.30	6.69	5.71	6.61	5.51	6.10	4.82	---	---
13	---	---	6.44	5.15	6.78	5.38	6.46	5.54	6.17	4.99	---	---
14	---	---	6.86	5.19	6.26	5.31	6.32	5.31	6.44	5.07	---	---
15	---	---	7.15	5.64	6.54	5.42	6.21	4.98	6.38	4.87	---	---
16	---	---	7.47	6.17	6.36	5.46	6.14	4.75	6.29	4.78	---	---
17	---	---	7.57	6.18	6.30	5.33	6.17	4.59	6.11	4.64	---	---
18	---	---	6.93	5.69	6.46	5.14	6.20	4.60	---	---	---	---
19	---	---	---	---	6.56	5.14	6.19	4.46	5.88	4.01	---	---
20	---	---	---	---	6.58	5.05	5.94	4.31	5.89	4.43	---	---
21	---	---	6.78	5.53	6.68	4.89	6.01	4.33	6.21	4.54	---	---
22	---	---	7.13	5.46	6.57	5.01	6.14	4.42	6.11	4.91	---	---
23	---	---	7.40	6.00	6.79	5.00	5.97	4.53	6.31	5.46	---	---
24	---	---	7.01	5.75	6.63	5.06	6.03	4.62	5.89	5.00	---	---
25	---	---	7.08	5.57	7.32	5.43	5.90	4.81	5.82	4.84	---	---
26	---	---	6.74	5.55	9.12	6.89	6.22	4.95	5.86	4.97	---	---
27	---	---	6.75	5.37	7.01	6.21	5.84	4.90	5.89	4.60	---	---
28	---	---	6.56	5.31	6.54	5.66	5.64	4.75	6.07	4.47	---	---
29	---	---	6.48	5.07	6.30	5.67	5.68	4.53	5.84	4.54	---	---
30	---	---	6.83	5.32	6.58	5.58	5.76	4.35	6.20	4.80	---	---
31	---	---	6.68	5.83	---	---	5.79	4.43	6.35	5.10	---	---

GAGE HEIGHT, FEET, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	6.65	5.37	7.37	6.17	6.60	5.17	6.71	5.69	6.51	5.76
2	---	---	6.83	5.67	6.97	5.15	6.68	5.00	6.41	5.15	6.48	5.65
3	---	---	7.01	5.64	6.42	4.67	7.34	5.68	6.03	4.96	6.25	5.83
4	7.08	6.36	7.46	6.35	6.60	5.33	5.67	3.72	6.27	5.11	6.22	5.48
5	6.90	5.87	7.46	5.32	6.63	5.33	6.32	4.97	6.36	5.36	6.63	5.43
6	6.84	5.31	6.58	5.22	6.68	5.50	6.44	5.92	6.22	5.12	6.75	5.60
7	6.43	5.31	6.94	5.81	6.76	5.84	6.41	5.46	5.50	3.80	6.99	5.90
8	6.85	5.58	7.00	5.70	6.70	5.72	6.19	4.93	5.65	4.42	6.72	5.80
9	7.23	5.75	6.79	5.26	---	---	6.53	5.71	5.83	3.94	6.41	5.17
10	6.53	5.59	6.46	5.61	5.73	4.65	6.08	4.63	6.03	4.60	6.19	4.88
11	7.03	5.35	6.73	5.40	6.26	5.05	5.50	3.95	5.94	4.69	6.03	4.75
12	6.98	5.74	6.28	5.30	5.93	4.71	5.59	4.03	5.93	4.53	6.11	4.90
13	6.65	5.70	5.29	4.03	6.22	4.53	5.91	4.42	5.80	4.46	6.22	4.80
14	6.45	5.21	6.47	4.95	6.43	5.41	6.63	4.91	6.22	5.19	6.46	5.76
15	6.53	5.55	6.69	5.31	6.75	5.51	6.71	5.10	6.93	5.92	6.63	5.75
16	6.32	5.33	6.84	5.86	6.75	5.56	6.53	5.43	5.85	4.66	7.11	5.70
17	6.50	5.46	6.78	5.51	6.54	5.37	7.02	5.91	5.66	4.78	8.29	6.70
18	6.66	5.65	6.74	5.48	6.50	5.29	7.21	6.20	5.44	4.46	7.52	6.71
19	6.51	5.36	6.63	5.25	6.44	5.24	6.24	5.03	5.87	4.58	7.11	6.15
20	---	---	6.89	5.29	6.50	5.40	6.07	5.56	6.17	5.11	7.13	5.85
21	6.87	5.86	6.60	5.37	6.50	5.46	6.61	5.69	6.10	4.56	7.17	6.03
22	7.09	6.25	6.95	5.85	6.93	6.28	6.74	5.36	6.11	4.99	7.38	5.80
23	7.28	6.59	6.92	5.71	7.64	6.13	6.46	4.84	---	---	7.41	6.48
24	7.71	5.72	7.00	6.10	6.33	5.69	6.64	5.43	6.66	5.38	7.03	5.98
25	6.53	5.22	7.74	6.41	6.45	5.78	6.40	4.98	6.56	5.32	6.96	5.23
26	6.48	5.43	6.81	5.73	6.61	5.68	6.09	4.25	7.26	6.36	6.99	5.72
27	6.53	5.49	6.60	5.96	6.76	5.62	---	---	7.31	6.45	6.89	5.83
28	6.56	5.40	6.77	5.93	6.69	5.14	6.20	4.73	7.84	6.57	6.82	5.95
29	6.44	5.40	7.07	5.88	6.78	5.39	6.28	5.00	---	---	6.62	5.28
30	6.48	5.52	7.27	5.91	6.70	5.12	6.15	4.65	---	---	5.31	3.84
31	6.73	5.77	---	---	6.66	5.19	6.24	4.86	---	---	5.60	3.36

TABLE 1A.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY GAGE HEIGHT DATA, MAY 1986 TO SEPTEMBER 1988--CONTINUED

GAGE HEIGHT, FEET, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.14	4.25	6.07	4.39	6.75	5.47	7.12	5.78	6.00	5.21	6.34	5.05
2	6.02	4.64	6.44	4.78	6.67	5.52	6.60	5.79	5.97	4.97	6.35	4.97
3	5.53	3.82	6.53	5.45	6.54	5.39	6.61	5.83	6.03	4.77	6.35	4.94
4	5.91	4.20	6.50	5.09	6.06	5.05	6.69	5.70	6.06	4.69	6.30	4.94
5	6.13	4.56	6.17	5.00	6.14	4.95	6.47	5.62	6.17	4.57	6.70	4.93
6	5.88	4.35	5.90	4.87	6.21	5.33	6.71	5.53	6.27	4.57	6.71	5.26
7	5.80	4.28	5.87	4.56	6.77	5.60	6.85	5.55	6.37	4.62	6.56	5.30
8	5.62	4.31	5.87	4.76	6.95	5.77	7.24	5.76	6.72	4.78	6.27	5.26
9	5.65	4.33	6.12	4.98	7.20	5.89	6.95	5.74	6.65	5.03	6.26	5.18
10	5.98	4.82	5.99	4.96	7.35	5.82	7.06	5.65	7.03	5.66	6.19	5.20
11	6.01	5.01	6.21	4.84	7.34	5.82	7.07	5.61	6.33	5.41	6.36	5.11
12	6.28	5.43	6.32	4.80	7.25	5.85	6.90	5.70	5.99	5.00	6.15	4.98
13	6.90	5.47	6.27	4.93	7.19	5.73	6.70	5.50	6.07	5.11	6.27	4.65
14	6.16	4.85	6.25	4.70	6.75	5.27	6.39	5.33	5.97	4.98	6.18	5.05
15	5.94	4.40	6.07	4.53	6.76	5.34	6.28	5.13	6.05	4.85	6.22	5.15
16	5.66	4.23	6.11	4.14	6.64	5.48	6.32	5.23	6.12	4.72	6.67	5.23
17	6.26	4.22	6.41	4.47	6.79	5.60	6.34	5.33	6.08	4.52	6.62	5.23
18	6.09	4.58	6.30	4.78	6.62	5.73	6.47	5.22	6.01	4.52	6.64	5.28
19	6.03	4.49	6.33	4.51	6.52	5.68	6.41	5.33	5.94	4.55	6.54	4.94
20	6.10	4.40	6.37	5.11	6.70	5.74	6.80	5.57	6.03	4.61	6.18	4.79
21	---	---	6.40	5.12	6.82	5.51	6.81	5.30	5.95	4.52	6.55	5.21
22	5.50	3.82	6.12	5.15	6.75	5.46	6.55	5.25	5.85	4.59	6.27	5.48
23	5.52	4.20	6.22	5.12	6.73	5.36	6.83	5.28	6.17	4.46	6.44	5.14
24	5.67	4.19	6.29	5.04	6.77	5.23	6.93	5.53	6.32	4.86	6.42	5.39
25	5.53	4.45	6.61	5.17	6.44	5.08	6.95	5.59	6.32	5.21	6.39	5.34
26	5.56	4.55	6.93	5.22	6.19	4.82	6.79	5.43	6.30	5.44	6.49	5.37
27	5.62	4.30	7.28	5.68	6.25	4.63	6.47	5.30	6.15	5.32	6.68	5.53
28	5.56	4.19	7.43	5.91	6.67	5.02	6.30	5.16	6.01	5.06	6.86	5.52
29	5.84	3.97	7.21	6.05	6.94	5.60	6.16	5.19	6.02	5.18	6.64	4.63
30	5.81	4.34	6.77	5.70	6.99	5.63	6.15	5.20	6.11	4.97	5.99	4.52
31	---	---	6.68	5.39	---	---	6.00	5.25	6.28	4.92	---	---

GAGE HEIGHT, FEET, OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.17	4.84	6.40	5.28	6.04	4.88	6.00	4.52	---	---	---	---
2	6.37	4.98	6.29	5.35	6.29	4.83	5.94	4.15	---	---	7.04	5.35
3	5.91	4.33	6.34	5.22	6.31	4.98	6.34	5.25	---	---	6.66	5.63
4	6.26	4.26	6.57	5.11	6.15	4.63	6.09	4.57	---	---	5.99	4.90
5	6.36	5.07	6.41	5.04	6.54	4.81	---	---	---	---	6.33	5.17
6	6.01	4.95	6.48	4.93	7.02	5.53	---	---	---	---	6.20	5.52
7	5.96	4.39	6.73	5.51	7.18	5.59	---	---	---	---	6.29	5.23
8	6.09	4.65	6.94	5.66	6.63	5.49	---	---	---	---	6.70	5.41
9	6.41	5.21	7.06	5.54	6.66	5.49	---	---	---	---	6.29	5.62
10	6.25	4.78	6.24	3.57	6.60	5.58	---	---	---	---	6.30	5.03
11	6.21	4.69	5.43	4.18	6.51	5.40	---	---	---	---	7.06	5.33
12	5.81	4.13	5.75	4.78	6.47	5.30	---	---	---	---	6.87	5.72
13	5.75	4.78	5.89	4.83	6.58	5.91	---	---	---	---	6.11	4.50
14	6.18	5.06	6.04	5.42	6.90	6.22	---	---	---	---	5.93	4.13
15	6.38	5.15	7.35	5.86	6.47	4.45	---	---	---	---	5.86	4.13
16	6.27	5.28	8.02	7.05	5.61	4.08	---	---	---	---	6.20	4.69
17	6.29	4.88	7.14	6.18	6.02	4.47	---	---	---	---	6.65	5.70
18	5.95	4.89	6.92	5.96	6.43	4.96	---	---	---	---	6.30	3.94
19	6.05	4.99	6.74	5.74	6.70	5.47	---	---	---	---	5.09	3.63
20	6.20	5.22	6.62	5.29	6.41	4.88	---	---	---	---	5.59	3.88
21	5.64	4.10	6.78	5.31	6.48	4.85	---	---	---	---	5.62	4.18
22	6.59	5.37	7.13	6.07	6.68	5.16	---	---	---	---	5.75	4.20
23	6.65	5.52	7.20	5.82	6.75	5.63	---	---	---	---	6.23	4.25
24	6.81	5.76	7.07	5.80	6.86	5.79	---	---	---	---	6.48	5.07
25	6.79	4.98	7.29	5.85	6.85	5.88	---	---	---	---	6.47	5.23
26	6.76	5.55	7.02	5.70	6.78	5.81	---	---	---	---	6.03	4.70
27	6.51	4.59	6.64	5.60	6.49	5.34	---	---	---	---	6.10	4.63
28	6.12	4.95	6.12	5.16	5.72	4.69	---	---	---	---	6.52	5.29
29	6.35	5.05	6.33	5.53	5.35	3.42	---	---	---	---	6.50	5.43
30	6.41	5.08	6.47	5.51	6.39	4.73	---	---	---	---	6.02	5.07
31	6.33	5.20	---	---	6.45	5.36	---	---	---	---	6.56	5.28

TABLE 1A.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY GAGE HEIGHT DATA, MAY 1986 TO SEPTEMBER 1988--CONTINUED

GAGE HEIGHT, FEET, OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.95	5.90	6.95	5.64	6.68	5.28	---	---	6.29	5.29	6.39	5.51
2	6.85	5.94	7.05	5.45	6.50	4.99	---	---	6.27	5.26	6.65	5.69
3	6.82	5.77	---	---	6.43	4.95	---	---	6.14	5.16	7.02	6.03
4	7.05	6.05	6.25	5.15	6.75	4.77	---	---	6.25	5.02	7.32	5.74
5	6.80	5.65	6.17	4.24	6.27	5.05	---	---	6.10	4.78	6.71	5.69
6	6.07	5.00	6.25	4.57	6.38	5.07	---	---	6.19	4.55	6.73	5.59
7	6.18	4.51	6.41	4.70	6.14	5.03	---	---	5.98	4.23	6.65	5.56
8	6.18	4.66	6.80	5.51	6.26	5.25	---	---	5.53	3.77	6.69	5.60
9	6.03	4.89	6.61	5.46	---	---	---	---	5.57	3.75	6.78	5.63
10	5.71	4.37	6.15	4.95	---	---	---	---	6.76	4.29	6.66	5.92
11	4.33	3.20	6.01	4.93	---	---	---	---	7.04	5.44	6.60	5.81
12	---	---	6.11	5.01	---	---	---	---	6.50	5.58	6.67	5.85
13	5.47	3.86	6.31	4.76	---	---	---	---	6.50	5.47	6.67	5.79
14	5.62	4.49	6.03	4.60	---	---	---	---	6.61	5.76	6.75	5.58
15	5.85	4.48	5.94	4.43	---	---	6.37	5.18	6.40	5.77	7.29	6.29
16	6.13	4.53	5.93	4.45	---	---	6.21	5.08	6.02	5.26	7.74	7.01
17	6.97	4.97	5.88	4.36	---	---	5.98	4.97	6.10	5.33	7.92	6.92
18	6.66	5.41	5.78	4.25	---	---	6.20	4.92	6.24	5.40	7.73	6.19
19	5.95	4.70	6.09	4.28	---	---	6.40	5.26	6.03	4.83	7.35	5.75
20	6.33	4.46	6.15	4.56	---	---	6.35	5.49	6.13	4.69	7.04	5.39
21	6.59	5.01	6.43	4.96	---	---	5.99	4.80	6.12	4.56	6.87	5.19
22	6.47	5.42	6.64	5.36	---	---	6.05	4.68	6.09	4.58	6.67	5.20
23	6.52	5.16	5.67	5.14	---	---	5.92	4.71	6.29	4.64	6.65	5.30
24	6.09	4.77	5.81	4.77	---	---	5.97	4.42	6.17	4.54	6.63	5.45
25	6.30	5.07	5.49	4.53	---	---	5.97	4.26	6.30	4.46	6.36	5.17
26	6.06	4.64	6.10	4.79	---	---	5.98	4.23	6.44	4.73	6.35	4.95
27	5.70	4.69	6.40	5.10	---	---	6.08	4.50	6.59	4.97	6.39	4.94
28	6.41	4.97	6.59	5.14	---	---	6.34	4.35	6.54	5.22	6.37	4.96
29	7.39	5.70	6.63	5.28	---	---	6.35	4.64	6.46	5.34	6.58	5.26
30	7.23	5.85	6.82	5.33	---	---	6.34	4.82	6.28	4.93	6.86	5.39
31	---	---	6.80	5.35	---	---	6.48	5.03	6.33	5.18	---	---

TABLE 1B.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY WATER TEMPERATURE DATA, APRIL 1986 TO JULY 1988--CONTINUED

TOP

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	23.7	22.2	28.0	25.7	29.6	27.8	32.2	30.3	30.2	28.0
2	---	---	22.4	21.6	26.7	25.9	28.9	28.0	32.5	30.2	29.9	28.4
3	---	---	21.9	20.7	27.7	26.2	29.1	28.3	32.0	30.5	30.5	29.3
4	---	---	21.8	20.6	28.0	26.4	30.1	28.5	31.8	30.1	30.5	29.9
5	---	---	22.1	21.0	28.9	26.6	30.5	28.7	31.2	30.0	30.5	30.0
6	---	---	23.1	21.4	28.4	26.5	30.0	29.0	30.1	28.8	30.6	30.0
7	---	---	24.9	22.0	27.6	26.7	30.1	28.6	---	---	30.1	28.8
8	---	---	25.7	23.0	26.9	25.4	29.9	29.1	31.1	29.5	30.3	29.0
9	---	---	25.8	23.0	25.4	24.4	30.7	28.7	31.0	29.6	---	---
10	---	---	25.3	24.0	25.8	25.0	---	---	30.4	29.2	---	---
11	---	---	26.4	23.3	25.9	25.7	29.6	28.7	29.9	28.9	30.1	28.9
12	---	---	25.9	23.8	---	---	30.5	28.6	31.0	28.6	30.1	29.7
13	---	---	26.2	24.1	27.4	26.1	31.2	28.8	31.1	28.6	30.3	29.6
14	---	---	27.7	25.2	---	---	30.9	29.0	31.3	29.2	30.5	29.1
15	---	---	27.3	25.7	---	---	31.9	29.3	31.8	29.8	30.4	29.5
16	---	---	26.1	25.4	---	---	32.2	29.6	30.7	29.6	30.4	29.9
17	---	---	26.6	25.3	---	---	31.9	29.8	30.6	29.5	30.6	29.5
18	23.0	20.5	25.4	24.0	---	---	31.3	29.8	---	---	30.2	29.4
19	22.0	21.4	---	---	---	---	31.1	29.9	31.0	29.8	29.8	28.9
20	21.3	20.5	25.0	23.8	---	---	31.6	29.8	31.1	30.1	29.7	28.4
21	20.8	19.8	26.9	24.1	---	---	30.8	29.7	30.8	29.6	29.5	28.0
22	21.0	19.8	26.2	24.6	---	---	31.0	29.8	30.0	28.3	29.0	28.2
23	22.6	19.7	27.0	24.5	---	---	31.4	29.9	30.4	28.8	29.2	27.5
24	21.5	20.5	27.7	25.3	---	---	30.9	29.3	30.9	29.0	29.4	28.8
25	22.4	20.8	26.8	25.3	---	---	30.2	29.6	30.8	29.7	---	---
26	23.9	20.8	26.3	24.9	---	---	30.4	29.2	32.7	30.0	29.4	28.1
27	23.6	21.5	25.5	25.0	---	---	31.1	29.2	30.8	29.7	29.8	28.5
28	23.2	21.2	26.2	25.3	28.2	27.3	30.5	29.6	30.2	28.9	29.1	28.3
29	25.9	22.0	27.5	25.8	28.1	27.3	31.7	29.9	30.2	28.7	29.4	28.0
30	24.4	22.7	26.5	25.2	28.4	27.5	33.0	30.4	30.4	29.3	29.7	28.2
31	---	---	26.9	25.1	---	---	32.4	30.3	30.4	28.5	---	---

TABLE 1B.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY WATER TEMPERATURE DATA, APRIL 1986 TO JULY 1988--CONTINUED

TOP

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.7	28.5	21.8	20.6	14.8	14.3	10.1	9.8	13.0	11.6	14.6	14.1
2	30.1	28.3	21.7	20.9	14.6	13.9	10.3	9.6	12.7	12.2	14.9	14.3
3	---	---	21.8	21.4	13.8	13.3	10.3	9.9	13.4	12.2	14.9	14.5
4	29.8	25.9	21.9	20.9	13.3	12.9	9.8	9.4	12.9	12.4	14.8	14.4
5	29.9	29.1	22.0	20.8	12.8	12.5	9.8	9.4	13.7	12.7	14.9	14.5
6	30.0	28.2	21.4	20.1	12.6	12.2	9.9	9.3	13.7	12.4	15.0	14.6
7	28.7	27.0	21.1	20.3	12.6	12.1	10.0	9.4	13.0	12.2	15.1	14.6
8	28.4	26.0	21.4	20.7	13.7	12.1	10.2	9.5	13.9	12.2	14.5	14.3
9	28.0	25.4	21.3	20.5	14.5	12.8	10.6	9.8	13.7	12.2	14.9	14.2
10	28.2	26.9	21.2	20.2	13.1	12.8	10.5	10.0	13.7	11.5	---	---
11	28.0	26.8	22.0	19.8	13.3	12.5	10.6	9.9	14.9	12.6	14.9	14.3
12	28.3	25.9	20.7	19.4	12.9	12.0	10.4	9.5	14.5	13.2	15.0	14.1
13	27.4	24.6	19.8	18.2	12.6	11.6	10.3	10.0	15.2	13.6	15.2	13.7
14	25.4	23.6	18.6	17.3	12.0	11.4	10.3	9.9	15.5	14.2	14.5	13.8
15	24.9	23.1	18.6	16.2	12.0	11.6	10.6	10.2	15.5	14.3	15.7	14.0
16	25.3	22.5	18.9	17.6	12.1	11.6	10.8	10.2	14.9	13.9	16.8	14.2
17	25.0	22.6	20.0	18.6	12.3	11.6	11.3	10.6	14.8	14.5	16.8	15.4
18	24.6	22.7	20.8	19.6	12.8	12.3	11.9	11.4	15.1	13.9	16.5	15.5
19	24.5	23.3	20.7	19.8	12.8	12.7	11.7	10.8	13.8	13.2	17.6	16.5
20	23.9	22.5	21.3	19.9	12.7	12.4	10.9	9.9	13.2	12.5	21.0	17.2
21	23.6	22.0	20.0	18.9	12.4	12.0	9.9	8.8	12.8	12.1	21.1	17.8
22	22.5	21.1	20.3	19.0	12.0	11.5	8.7	8.1	12.4	11.7	20.4	18.2
23	22.5	21.6	20.6	19.7	11.5	10.6	8.0	7.5	11.6	11.1	19.1	18.7
24	22.7	21.6	19.6	19.4	10.6	10.4	7.9	7.6	11.2	10.7	---	---
25	22.7	21.7	19.3	18.4	10.7	10.4	8.3	7.9	11.0	10.8	---	---
26	22.5	21.3	18.4	16.8	10.9	10.4	8.5	8.1	11.7	10.9	---	---
27	22.1	20.7	16.8	15.7	10.8	10.6	---	---	13.1	11.8	19.4	17.8
28	21.8	20.1	15.6	14.8	11.1	10.4	10.6	8.5	14.6	13.2	19.5	17.8
29	21.6	20.3	14.8	14.3	10.9	10.1	11.9	8.8	---	---	21.9	18.1
30	22.0	20.7	14.4	14.3	10.3	10.0	11.8	9.9	---	---	18.2	17.1
31	21.7	21.0	---	---	10.2	9.9	13.0	10.6	---	---	17.2	15.9

TOP

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.1	16.3	26.2	21.8	26.8	25.6	27.0	25.6	31.5	28.7	31.2	30.1
2	17.2	16.5	25.1	24.0	27.6	25.8	25.5	24.9	31.5	29.5	31.2	30.1
3	16.4	15.4	24.2	23.2	27.7	26.2	25.5	24.7	30.9	29.5	31.3	30.0
4	18.5	15.3	23.6	22.0	28.0	26.8	27.4	25.4	31.2	29.8	31.5	29.9
5	17.5	15.4	23.0	22.4	28.0	26.6	28.9	26.0	31.2	30.2	31.4	29.9
6	16.9	15.8	22.8	21.6	28.2	26.2	28.8	26.7	31.2	30.2	31.5	31.1
7	16.9	15.6	21.7	21.3	28.2	27.1	28.2	26.6	31.8	29.9	31.5	30.8
8	16.7	15.7	22.3	21.3	28.0	27.2	27.1	26.2	32.5	30.1	31.2	30.1
9	19.8	15.7	23.3	21.6	27.4	26.5	26.4	25.8	32.1	29.6	30.8	30.0
10	19.7	16.2	22.8	21.7	26.6	26.0	27.3	25.9	30.1	29.3	30.7	29.5
11	19.2	16.6	24.2	21.9	26.0	25.5	28.9	26.0	30.3	29.0	30.5	29.1
12	19.1	17.3	23.9	22.5	26.7	25.5	29.7	26.4	30.3	29.2	30.6	29.0
13	20.4	18.5	24.6	22.7	26.5	25.8	27.6	26.7	30.7	29.4	30.0	28.7
14	19.4	17.6	25.1	22.9	26.0	25.3	28.0	26.9	31.1	29.3	31.4	29.4
15	18.7	17.1	25.5	22.6	26.8	25.5	29.0	27.1	30.5	30.0	30.8	30.0
16	20.2	17.8	24.5	23.1	---	---	30.0	27.5	30.7	29.8	30.4	27.9
17	20.4	18.7	25.0	23.7	26.3	25.4	29.9	27.6	31.7	29.9	29.3	27.9
18	21.8	18.4	25.7	23.7	25.7	25.1	30.3	28.1	31.6	29.9	28.9	28.0
19	22.4	18.5	26.2	24.6	25.5	24.8	29.8	27.8	33.0	30.5	28.7	27.5
20	23.8	18.7	26.7	24.9	26.2	25.2	29.6	28.2	33.9	30.6	28.5	27.4
21	21.9	19.4	26.4	24.9	27.1	25.8	29.6	28.5	33.6	30.7	29.1	27.5
22	---	---	27.1	25.5	27.7	26.2	29.9	28.4	32.7	30.7	28.6	27.5
23	22.3	19.7	27.5	25.7	31.0	26.8	31.6	28.5	32.6	30.8	28.5	26.6
24	22.5	19.6	27.8	25.8	28.8	27.0	31.8	28.9	33.2	31.4	28.2	26.7
25	22.6	19.6	27.1	26.1	28.3	27.0	31.4	29.2	32.2	31.1	27.9	26.2
26	23.3	19.9	28.5	26.2	27.8	27.1	30.6	29.0	32.3	30.9	28.1	26.5
27	22.7	20.3	28.2	26.9	28.5	27.2	30.2	28.5	31.3	30.9	27.7	26.3
28	23.9	20.7	28.1	26.9	29.3	27.7	30.7	29.2	32.1	29.8	27.4	26.0
29	25.0	21.3	27.5	26.4	29.4	27.9	31.3	29.2	31.8	30.0	27.2	26.3
30	25.2	21.7	27.2	26.0	29.0	26.7	31.5	29.3	31.3	30.2	27.5	25.2
31	---	---	27.4	26.3	---	---	30.7	29.2	31.0	29.2	---	---

TABLE 1B.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY WATER TEMPERATURE DATA, APRIL 1986 TO JULY 1988--CONTINUED

TOP

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	27.0	24.7	20.4	18.8	13.4	13.0	13.2	12.0	13.8	10.8	16.2	14.3
2	27.0	25.2	21.1	18.1	13.1	12.7	12.0	10.8	16.4	13.3	16.5	14.5
3	26.9	24.7	20.9	15.9	13.0	12.7	10.8	9.7	17.0	16.3	15.4	14.5
4	26.5	24.2	22.6	18.7	13.1	12.7	9.8	8.9	17.0	16.2	15.9	15.2
5	25.9	23.8	---	---	13.7	12.5	9.3	8.6	16.1	13.9	16.5	15.6
6	25.8	24.2	16.5	14.9	14.6	13.1	8.8	8.2	13.7	10.9	16.8	15.7
7	25.5	23.1	14.7	12.8	13.9	13.2	8.4	7.5	10.7	8.9	16.6	15.8
8	25.5	23.6	13.2	12.3	14.1	13.4	7.5	6.2	8.7	8.0	16.6	16.1
9	24.3	22.2	---	---	14.6	14.1	6.4	5.7	8.3	7.9	16.8	16.2
10	25.4	23.1	20.2	18.8	14.6	14.3	5.8	5.4	8.4	8.0	16.7	16.4
11	25.5	24.6	19.4	18.1	14.6	14.4	5.6	5.2	8.9	8.1	16.9	16.4
12	25.2	23.1	19.2	17.7	14.9	14.6	5.7	5.3	8.9	8.1	17.4	16.6
13	25.3	23.9	19.4	17.4	15.5	14.9	6.1	5.7	9.3	8.4	17.3	16.9
14	25.4	23.0	19.0	17.6	17.3	15.4	6.9	5.9	9.5	9.0	16.8	15.9
15	24.7	22.0	19.4	18.0	15.6	15.0	7.0	6.1	9.9	9.1	15.8	12.0
16	24.8	22.8	20.1	18.6	15.1	14.3	7.5	6.4	10.6	9.6	15.0	14.4
17	24.9	23.6	18.9	17.7	14.9	13.8	7.5	6.9	11.5	10.3	14.7	14.4
18	25.2	24.6	17.6	16.8	14.4	13.5	8.3	7.1	11.8	11.4	14.5	14.1
19	25.1	24.3	16.8	16.4	14.0	13.4	10.3	8.2	12.4	11.8	14.0	13.3
20	25.0	24.1	16.4	15.7	13.9	13.1	9.9	8.8	12.7	12.2	13.6	13.0
21	---	---	15.8	15.1	13.5	12.9	10.7	9.7	12.8	12.2	13.9	12.9
22	23.7	19.5	15.1	14.6	13.3	12.9	11.4	10.3	13.8	12.5	17.4	13.3
23	21.0	19.6	15.2	14.6	13.4	12.9	11.2	10.2	14.2	12.8	15.9	14.0
24	21.9	20.2	16.4	15.2	14.3	13.4	11.2	10.5	13.9	13.2	15.5	14.8
25	23.2	21.2	16.4	15.5	15.4	14.3	10.7	10.1	15.1	13.6	16.4	15.5
26	22.7	21.1	15.5	15.3	16.4	15.4	10.5	9.8	14.3	13.4	18.0	16.2
27	22.0	21.1	15.4	15.2	16.4	16.1	11.5	9.4	14.0	13.4	19.8	16.7
28	21.9	20.5	15.2	14.7	16.1	15.1	---	---	14.1	13.9	19.6	17.9
29	21.2	19.6	14.6	13.8	15.0	14.1	12.8	10.0	15.0	14.0	19.9	18.5
30	20.8	19.3	13.8	13.4	14.0	13.6	11.0	10.1	---	---	18.6	18.0
31	21.0	19.5	---	---	13.7	13.0	11.4	10.4	---	---	18.6	18.1

TOP

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY	
1	18.5	18.0	22.2	20.2	27.4	25.5	29.5	28.4
2	18.6	18.0	22.9	20.6	27.5	25.7	30.5	28.7
3	19.2	18.6	23.5	21.4	27.5	25.4	30.3	28.8
4	20.2	19.3	24.0	21.7	26.0	24.3	29.9	28.8
5	21.1	20.0	24.2	22.0	25.7	24.0	28.9	28.1
6	20.1	19.7	24.9	22.6	26.4	24.6	28.5	27.5
7	21.0	19.5	25.0	23.0	27.6	25.5	28.4	26.4
8	22.2	19.3	24.3	23.1	27.5	25.7	27.3	26.2
9	20.3	19.4	25.0	23.1	---	---	27.6	26.1
10	20.0	19.0	24.7	23.0	27.3	25.7	27.6	26.5
11	19.0	18.2	25.3	23.4	27.7	25.5	28.0	26.6
12	18.5	17.8	24.6	23.2	28.5	26.4	29.3	26.8
13	18.4	17.5	24.4	22.9	28.7	26.7	28.4	27.4
14	19.5	17.6	25.5	23.6	27.9	26.8		
15	21.5	17.9	26.2	23.6	28.1	26.8		
16	20.9	18.6	26.9	23.7	28.5	26.7		
17	21.4	18.8	26.6	23.6	28.1	26.8		
18	21.5	20.0	26.2	23.3	28.1	26.8		
19	21.3	19.4	26.4	23.3	29.5	26.9		
20	22.2	20.1	27.8	24.1	29.7	26.8		
21	23.0	20.2	26.8	22.9	30.2	27.6		
22	23.0	21.1	24.3	22.6	30.4	28.0		
23	22.7	20.9	24.2	23.5	30.0	28.3		
24	22.1	21.0	24.8	23.5	29.0	27.0		
25	22.7	20.8	26.1	23.9	28.8	26.5		
26	24.6	21.7	26.2	24.1	28.3	27.2		
27	24.5	22.2	27.0	24.1	29.3	27.5		
28	23.3	21.3	26.6	24.8	30.0	27.8		
29	22.3	20.4	26.3	25.2	29.9	27.8		
30	20.9	19.8	26.7	25.7	30.6	28.0		
31	---	---	27.5	25.5	---	---		

TABLE 1B.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY WATER TEMPERATURE DATA, APRIL 1986 TO JULY 1988--CONTINUED

BOTTOM

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	23.0	22.4	26.0	25.8	28.6	27.9	30.1	29.8	30.3	30.2
2	---	---	23.2	22.8	25.9	25.6	28.6	28.1	30.0	29.7	30.3	30.1
3	---	---	23.1	21.2	26.0	25.6	29.1	28.3	30.0	29.9	30.5	30.3
4	---	---	21.7	21.0	26.3	25.8	29.1	28.3	30.2	29.9	30.4	30.2
5	---	---	22.2	21.4	26.9	26.0	28.9	28.6	30.3	29.8	30.3	30.1
6	---	---	22.3	21.7	27.2	26.9	28.9	28.7	30.2	29.8	30.1	30.0
7	---	---	22.7	21.9	27.5	27.1	29.0	28.7	---	---	30.2	30.0
8	---	---	22.7	22.1	27.5	25.7	29.1	28.7	30.2	29.8	30.2	30.1
9	---	---	22.9	22.4	25.6	24.6	29.2	29.0	30.2	30.1	---	---
10	---	---	23.6	22.5	26.0	25.2	---	---	30.2	30.0	---	---
11	---	---	23.8	23.0	26.1	25.9	29.4	28.9	30.5	30.2	30.1	30.0
12	---	---	24.2	23.7	---	---	29.5	29.2	30.4	30.1	30.1	29.9
13	---	---	24.2	23.9	26.7	26.3	29.7	29.1	30.4	30.2	30.0	29.9
14	---	---	24.3	23.9	---	---	30.0	29.5	30.5	30.4	29.9	29.9
15	---	---	24.2	23.7	---	---	30.0	29.9	30.5	30.3	30.0	29.9
16	---	---	24.4	23.9	---	---	30.0	29.9	30.5	30.3	29.9	29.8
17	---	---	25.2	24.1	---	---	30.0	29.8	30.7	30.4	29.9	29.8
18	21.2	21.1	25.0	24.0	---	---	30.1	29.8	---	---	29.9	29.8
19	21.3	21.2	---	---	---	---	30.1	29.9	30.6	30.4	29.9	29.7
20	21.2	21.0	25.4	24.7	---	---	30.1	30.0	30.5	30.2	29.8	29.7
21	21.2	20.5	25.5	25.0	---	---	30.0	29.9	30.4	30.2	29.8	29.7
22	21.4	20.7	25.4	24.7	---	---	30.0	29.9	30.3	30.2	29.7	29.6
23	21.4	20.9	25.2	24.5	---	---	30.0	29.9	30.2	30.1	29.6	29.4
24	21.5	21.2	25.9	25.0	---	---	30.3	29.8	30.2	30.0	29.5	29.3
25	21.5	21.2	26.2	25.5	---	---	30.1	29.7	30.3	30.1	---	---
26	21.7	21.5	26.2	25.5	---	---	30.1	29.7	30.3	30.1	29.3	29.2
27	21.9	21.6	26.1	25.3	---	---	29.9	29.8	30.4	30.1	29.3	29.2
28	22.1	21.5	26.1	25.8	27.8	27.5	30.1	30.0	30.4	30.2	29.3	29.2
29	22.4	21.8	26.0	25.8	28.0	27.6	30.3	30.1	30.4	30.2	29.3	29.1
30	22.6	22.2	25.9	25.7	28.2	27.7	30.4	30.2	30.4	30.3	29.2	29.2
31	---	---	25.9	25.5	---	---	30.3	30.0	30.4	30.2	---	---

BOTTOM

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.2	29.1	22.1	21.8	14.7	14.2	10.2	10.0	11.0	10.6	14.6	14.0
2	29.3	29.1	22.0	22.0	14.5	13.8	10.4	9.8	12.6	10.8	14.8	14.3
3	---	---	22.0	22.0	13.7	13.1	11.6	10.1	12.3	11.1	14.9	14.5
4	29.9	25.8	22.1	21.9	13.1	12.7	10.0	9.6	12.3	11.3	14.9	14.5
5	29.8	29.7	22.1	21.7	12.6	12.3	10.0	9.6	12.2	11.2	14.9	14.5
6	29.8	29.7	22.0	21.3	12.4	12.1	10.2	9.6	12.4	11.7	15.0	14.6
7	29.7	25.7	22.1	21.0	12.3	12.0	11.3	9.6	12.4	11.7	15.1	14.7
8	29.5	29.4	21.8	21.2	13.8	12.1	10.5	9.7	12.6	12.1	14.7	14.5
9	29.4	29.3	21.4	21.1	13.9	12.8	11.4	10.0	13.0	12.4	14.9	14.3
10	29.3	28.1	22.1	21.2	13.9	12.9	10.7	10.4	22.7	11.9	---	---
11	28.5	27.5	22.1	21.3	14.3	13.0	10.5	10.1	12.1	11.8	15.1	14.5
12	28.8	27.2	21.9	21.3	13.9	12.8	11.0	10.1	12.5	11.9	14.9	14.3
13	28.2	27.2	21.5	19.9	13.8	12.2	11.5	10.4	12.4	12.1	15.1	14.3
14	28.0	26.8	21.1	20.2	14.2	12.6	11.6	10.2	12.7	12.3	15.1	14.3
15	27.1	26.8	20.9	19.9	14.2	12.9	11.7	11.2	13.5	12.3	15.0	14.2
16	26.9	25.8	20.3	19.2	13.1	11.7	11.8	10.6	14.5	13.0	15.2	14.4
17	25.9	25.1	19.9	19.3	12.3	11.7	11.4	10.9	14.4	13.9	16.5	15.0
18	25.0	24.6	19.9	19.1	12.8	12.3	11.9	11.3	14.3	13.7	16.4	15.4
19	25.0	24.1	19.7	18.8	12.9	12.7	11.6	10.7	13.9	13.5	17.2	16.5
20	24.5	23.1	19.5	18.6	12.8	12.4	10.7	9.8	14.0	12.8	18.0	17.2
21	23.7	22.7	19.2	18.1	12.4	12.1	9.8	8.7	13.6	12.5	18.7	17.7
22	22.7	22.1	18.7	18.0	12.0	11.5	8.6	8.0	13.2	11.6	19.0	18.2
23	22.6	22.2	19.2	18.4	11.7	10.6	8.0	7.4	11.9	11.1	19.0	18.5
24	22.9	22.2	19.5	18.4	10.7	10.5	7.8	7.5	12.4	10.9	18.7	18.1
25	22.8	22.4	19.4	18.4	10.9	10.5	8.2	7.8	12.3	10.7	18.4	17.7
26	22.6	22.3	18.3	16.8	11.0	10.6	8.4	8.0	11.6	10.8	19.0	18.0
27	22.2	22.1	16.7	15.6	11.0	10.8	---	---	12.9	11.6	19.0	17.8
28	22.2	22.0	15.5	14.6	10.8	10.5	10.2	8.5	14.4	13.0	18.6	17.8
29	22.2	22.0	14.6	14.1	10.6	10.2	11.4	8.8	---	---	18.9	18.1
30	22.1	22.0	14.3	14.1	10.4	10.2	11.2	10.1	---	---	18.2	17.1
31	22.0	21.9	---	---	10.3	10.1	12.0	10.6	---	---	17.4	16.5
MONTH	---	---	22.1	14.1	14.7	10.1	---	---	22.7	10.6	---	---

TABLE 1B.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY WATER TEMPERATURE DATA, APRIL 1986 TO JULY 1988--CONTINUED

BOTTOM

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.2	16.7	20.8	18.9	27.3	26.2	27.2	25.8	29.8	29.6	30.8	30.6
2	17.3	16.9	21.8	19.8	27.1	26.1	25.7	25.0	29.8	29.4	30.7	30.6
3	17.4	15.9	23.1	21.4	27.1	26.4	25.7	24.8	29.6	29.3	30.7	30.5
4	17.7	17.0	23.3	20.5	27.3	27.0	26.5	25.6	29.7	29.3	30.6	30.5
5	17.5	16.4	22.5	20.7	27.4	27.1	27.2	26.1	29.9	29.1	30.6	30.4
6	17.3	16.2	21.6	20.5	27.2	26.7	28.5	26.8	29.8	29.3	30.5	30.3
7	17.5	16.5	21.5	20.5	27.2	26.8	27.2	26.7	29.9	29.2	30.3	30.1
8	17.1	16.5	21.8	20.9	27.0	26.7	27.1	26.4	30.1	29.6	30.2	30.0
9	16.6	16.3	22.1	21.1	26.9	26.8	26.4	26.0	30.0	29.8	30.1	29.9
10	16.5	16.4	22.5	21.2	27.0	26.7	26.7	26.0	30.1	29.9	30.0	29.8
11	16.9	16.5	22.6	22.2	26.9	26.7	26.9	26.2	29.9	29.5	29.9	29.8
12	17.8	16.9	22.8	22.2	26.8	26.2	27.4	26.6	29.8	29.3	29.9	29.7
13	18.9	17.9	23.4	22.8	26.4	26.0	27.5	26.8	30.0	29.5	29.8	29.5
14	19.2	18.6	23.8	23.3	26.1	25.4	27.6	27.0	30.1	30.0	29.7	29.6
15	19.1	18.5	23.9	23.6	26.2	25.6	28.0	27.3	30.2	29.7	29.7	29.5
16	19.0	18.2	23.9	23.4	---	---	27.9	27.5	30.3	29.9	29.7	29.6
17	18.6	17.7	24.4	23.7	26.0	25.6	28.5	27.6	30.3	30.1	29.7	29.4
18	18.1	17.6	24.4	23.7	25.6	25.3	28.5	27.9	30.4	30.2	29.6	28.8
19	17.9	17.5	24.7	23.9	25.6	25.0	28.7	28.1	30.3	30.1	29.5	29.1
20	17.9	17.6	24.5	24.0	26.3	25.3	28.9	28.4	30.1	30.0	29.5	29.2
21	18.1	17.3	25.0	24.0	26.5	26.0	29.0	28.9	30.1	29.9	29.5	29.3
22	---	---	24.7	24.1	26.9	26.4	29.2	28.8	30.1	29.9	29.4	29.2
23	18.1	17.4	24.7	24.0	27.6	26.9	29.1	28.8	30.2	29.8	29.4	28.8
24	18.2	17.6	25.2	24.1	27.5	27.1	29.2	28.9	30.2	30.0	29.1	28.7
25	19.1	18.1	25.6	24.6	27.7	27.2	29.4	29.1	30.2	29.8	29.1	28.7
26	19.2	18.6	26.3	25.1	27.9	27.3	29.5	29.3	30.2	29.7	29.1	28.7
27	19.3	17.7	26.8	25.9	27.9	27.5	29.5	29.4	30.4	29.2	28.9	28.7
28	18.2	17.7	26.9	26.1	28.6	27.8	29.7	29.5	30.7	30.0	28.8	28.6
29	19.6	17.8	27.2	26.6	28.9	28.5	29.8	29.6	30.7	30.3	28.7	28.0
30	20.0	18.5	27.3	27.0	28.7	27.2	29.8	29.6	30.5	30.1	28.5	27.7
31	---	---	27.4	26.7	---	---	29.9	29.6	30.8	30.4	---	---

BOTTOM

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	28.1	27.6	21.3	21.2	13.3	13.0	13.5	12.0	13.1	10.7	14.7	13.6
2	27.9	27.6	21.5	21.3	13.1	12.7	12.2	10.9	16.4	13.3	14.6	13.6
3	27.9	27.5	21.4	21.3	13.1	12.7	11.3	10.1	17.0	16.4	15.4	13.8
4	27.6	26.5	21.5	21.3	13.4	12.7	10.5	9.2	17.0	16.2	15.9	15.2
5	26.8	26.3	21.5	21.3	15.5	13.2	9.8	9.0	16.1	13.9	16.4	15.6
6	27.0	26.0	21.5	21.2	15.7	14.5	11.8	8.6	13.7	10.9	16.5	15.8
7	26.5	25.8	21.1	21.0	15.9	13.2	11.6	7.6	10.7	8.9	16.5	15.9
8	26.4	25.8	21.1	21.0	14.1	13.3	7.6	6.3	8.8	8.1	16.6	16.2
9	26.1	25.2	21.2	21.1	14.5	14.0	6.5	5.8	8.4	7.9	16.9	16.2
10	25.8	24.9	21.4	20.3	14.5	14.3	6.3	5.7	8.4	8.0	16.8	16.5
11	25.7	24.7	21.2	20.9	14.6	14.3	6.2	5.4	8.9	8.2	16.9	16.4
12	25.5	24.8	20.9	20.7	14.8	14.5	6.4	5.6	8.6	8.2	17.4	16.6
13	24.8	23.5	20.7	20.6	15.6	14.8	6.9	5.9	9.2	8.6	17.3	16.9
14	24.6	23.4	20.6	20.3	15.8	15.4	7.6	6.6	9.5	9.0	16.8	16.0
15	24.5	22.9	20.9	19.6	15.6	15.0	7.6	6.6	10.0	9.2	15.9	15.1
16	24.1	22.6	21.2	18.7	15.9	14.8	7.8	6.7	10.5	9.8	15.0	14.5
17	25.2	22.8	18.9	17.6	16.0	15.2	7.8	7.1	11.2	9.9	14.7	14.4
18	25.6	23.3	17.6	16.8	16.1	14.6	8.0	7.3	11.7	10.3	14.6	14.1
19	25.2	23.7	16.7	16.3	16.0	14.1	9.1	7.7	12.4	11.8	14.0	13.4
20	25.2	23.9	16.3	15.6	15.6	13.6	9.8	8.1	12.7	12.3	13.4	12.8
21	24.6	22.6	15.7	15.0	15.1	13.0	10.7	9.2	12.9	12.3	13.8	13.0
22	22.7	22.4	15.0	14.5	14.8	12.8	11.1	10.1	13.9	12.5	14.4	13.3
23	22.6	22.4	15.1	14.5	13.7	13.0	10.7	9.8	13.4	12.8	14.9	14.1
24	22.5	22.3	15.6	15.1	14.0	13.3	10.6	9.7	13.9	13.2	15.5	14.8
25	22.6	22.3	15.6	15.5	15.2	10.4	10.6	10.2	13.9	13.4	16.4	15.4
26	22.6	22.3	15.5	15.1	16.3	15.2	10.3	9.8	14.1	13.2	16.9	16.2
27	22.4	21.8	15.3	15.1	16.3	16.0	10.1	9.8	13.7	13.4	17.6	16.6
28	22.0	21.5	15.1	14.6	16.0	15.0	---	---	14.0	13.4	18.5	16.0
29	21.5	21.4	14.6	13.8	14.9	14.1	10.1	9.9	14.5	13.4	18.7	17.7
30	21.5	21.4	13.7	13.3	14.7	13.8	10.7	10.0	---	---	18.4	18.0
31	21.4	21.3	---	---	14.7	13.3	10.8	10.2	---	---	18.5	17.8
MONTH	28.1	21.3	21.5	13.3	16.3	10.4	---	---	17.0	7.9	18.7	12.8

TABLE 1B.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY WATER TEMPERATURE DATA, APRIL 1986 TO JULY 1988--CONTINUED

BOTTOM

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY	
1	18.4	18.1	21.1	20.4	24.9	24.5	28.6	28.0
2	18.7	18.0	21.3	20.5	24.8	24.6	28.6	28.1
3	19.3	18.7	21.7	20.9	25.2	24.7	28.7	28.0
4	20.2	19.3	21.9	21.7	25.3	24.8	28.6	28.0
5	20.3	20.0	22.3	21.7	25.3	25.1	28.4	28.0
6	20.1	19.8	22.4	21.8	25.6	25.2	28.3	27.7
7	20.2	19.6	22.5	22.1	25.5	25.3	28.0	27.6
8	19.8	19.4	22.6	22.2	25.6	25.4	28.5	27.8
9	19.8	19.4	23.2	22.4	---	---	28.8	28.2
10	19.8	19.1	23.1	22.5	26.1	25.5	28.7	27.0
11	19.1	18.7	23.4	23.0	26.1	25.7	28.3	26.9
12	19.0	18.1	23.4	23.1	25.9	25.5	27.8	26.9
13	18.9	18.0	23.4	22.9	25.6	25.2	28.1	27.1
14	19.1	18.1	23.3	22.6	25.7	25.4		
15	19.5	18.3	23.3	22.3	25.6	25.4		
16	19.2	18.7	23.1	22.3	25.7	25.3		
17	19.3	19.1	23.0	22.3	25.7	25.2		
18	19.5	19.0	22.8	22.5	25.4	25.1		
19	19.4	19.2	23.5	22.6	25.7	25.5		
20	19.5	19.1	23.8	22.8	26.3	25.6		
21	19.7	19.2	23.2	22.3	26.7	26.0		
22	20.0	19.6	23.5	22.5	27.0	26.3		
23	20.2	19.9	23.7	23.4	27.2	26.6		
24	20.5	19.4	23.9	23.5	27.1	26.7		
25	20.1	19.5	24.5	24.0	27.3	26.7		
26	20.0	19.4	24.6	24.6	27.6	27.0		
27	19.9	19.5	24.7	24.5	27.8	27.2		
28	20.4	19.5	24.6	24.5	28.1	27.8		
29	21.0	20.0	24.6	24.5	28.2	27.8		
30	21.0	20.3	24.5	24.4	28.4	27.9		
31	---	---	24.6	24.4	---	---		

TABLE 1C.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA,
DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1986 TO JULY 1988

TOP

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, APRIL TO AUGUST 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST	
1	---	---	5700	3600	9500	2100	2700	700	---	---
2	---	---	8600	3000	5200	1500	1800	600	10000	4700
3	---	---	7700	2100	5100	1500	1600	800	---	---
4	---	---	3600	1000	5600	1600	1900	800	---	---
5	---	---	2100	1400	5200	1700	2200	800	---	---
6	---	---	2200	1000	3800	1200	2400	800	---	---
7	---	---	2500	1000	3300	1000	2200	900	---	---
8	---	---	2500	1000	3200	900	3800	900	---	---
9	---	---	2000	1100	1900	300	4900	1300	---	---
10	---	---	3100	1100	300	<100	---	---	---	---
11	---	---	2300	1300	200	<100	4800	2300	---	---
12	---	---	3000	1600	---	---	3400	2300	---	---
13	---	---	3700	1500	100	<100	3300	2000	---	---
14	---	---	3200	1800	---	---	3000	1600	---	---
15	---	---	3600	2300	---	---	3900	1700	---	---
16	---	---	4800	3000	---	---	4300	2400	---	---
17	---	---	---	---	---	---	5000	2100	---	---
18	---	---	7100	3300	---	---	5800	2000	---	---
19	---	---	---	---	---	---	6600	2300	---	---
20	---	---	---	---	---	---	7400	2300	---	---
21	8900	3600	---	---	---	---	6600	2400	---	---
22	7000	2600	---	---	---	---	8600	3000	---	---
23	6800	2700	---	---	---	---	---	---	---	---
24	7500	2800	---	---	---	---	9300	---	---	---
25	7800	2700	---	---	---	---	9100	4500	---	---
26	5900	3100	9700	4200	---	---	9000	4200	---	---
27	5300	3500	7000	3600	---	---	6900	1800	---	---
28	7700	3500	6600	3800	3700	1400	5200	3300	---	---
29	6100	3200	6700	3300	2900	1200	6100	4400	---	---
30	7200	3400	7800	3500	2500	800	8700	4700	---	---
31	---	---	6100	3600	---	---	---	---	---	---

TABLE 1C.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1986 TO JULY 1988--CONTINUED

TOP

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	20500	10600	100	<100	400	<100	1000	600	<100	<100
2	---	---	20800	11000	100	<100	400	100	1500	900	<100	<100
3	---	---	22100	11700	<100	<100	---	300	2100	800	<100	<100
4	14600	11000	19800	14600	<100	<100	800	<100	1800	1000	<100	<100
5	14400	9000	21200	12500	<100	<100	200	<100	3900	1000	<100	<100
6	14300	8800	16900	10000	300	<100	600	100	8700	1700	<100	<100
7	17200	8900	14200	7800	1000	100	1500	400	10700	3400	<100	<100
8	17400	11700	12300	5500	1300	500	1000	300	7100	2400	<100	<100
9	25100	12900	9000	4800	1200	600	1400	300	7200	2800	100	<100
10	22000	12400	7800	4500	2900	700	1900	600	---	---	---	---
11	23300	13500	10200	4100	5700	1500	1300	500	8100	4400	300	<100
12	27100	12500	11700	4600	6100	1100	1800	500	9900	5400	700	200
13	22600	9800	11800	8500	5200	1100	1800	400	10500	5300	1700	400
14	18500	9700	12700	8900	5900	2300	3500	700	8400	2600	2300	500
15	16700	10200	15300	7100	6300	2400	3900	1400	10100	1600	1200	400
16	19300	10200	15000	8600	4300	500	3900	1400	5200	700	1400	500
17	19800	11400	15500	7700	800	100	2800	800	2700	800	2600	1000
18	19100	13200	13200	9200	400	<100	1100	<100	3200	1600	1200	100
19	20500	13200	13600	9500	100	<100	<100	<100	4400	2200	400	<100
20	22300	14000	15200	10500	100	<100	<100	<100	7400	2000	400	<100
21	23700	15700	14500	10300	<100	<100	<100	<100	9100	3400	300	<100
22	21200	15400	12600	11500	400	<100	<100	<100	8900	2800	200	<100
23	22600	17800	12900	10500	900	<100	<100	<100	4600	1100	300	<100
24	27900	17800	15300	6800	<100	<100	<100	<100	4500	1100	100	<100
25	18600	11900	6800	900	<100	<100	<100	<100	5200	1100	<100	<100
26	17900	8500	900	100	<100	<100	<100	<100	3000	200	300	<100
27	15600	8800	100	<100	<100	<100	---	---	200	<100	1100	200
28	16600	8800	100	<100	<100	<100	100	<100	100	<100	1400	600
29	17000	9600	100	<100	100	<100	400	<100	---	---	1800	800
30	17900	10300	<100	<100	100	<100	600	<100	---	---	1900	1100
31	18400	12100	---	---	100	<100	800	400	---	---	1900	1100

TOP

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	2800	1100	16000	6700	4600	1700	3600	800	9400	3500	31300	13900
2	3600	1500	12500	8200	3600	1300	900	200	9900	2100	27500	16200
3	4000	2200	17100	7100	3200	1400	300	<100	15100	2200	23100	14500
4	8200	2300	19300	7600	5300	1600	300	100	20400	3300	25400	16000
5	10300	3700	18600	8300	7300	4000	400	100	14800	4400	24300	15800
6	12100	5700	16700	7400	9200	4000	500	100	15900	3200	24200	15900
7	10600	5400	15400	9900	8800	4700	400	<100	15600	3200	23000	12000
8	11100	5500	14600	8600	15800	6100	700	100	---	---	18900	10400
9	9800	6500	13900	4600	11400	1000	400	<100	12600	3500	19500	13500
10	8200	5200	10800	4100	16800	8300	700	100	17400	3800	20200	10600
11	7000	4500	9200	3600	12400	6400	600	200	9100	1700	18400	6700
12	5000	2200	10200	4700	11600	1000	800	300	6100	1200	16900	5700
13	7100	2100	11400	5500	8500	3200	1300	300	8800	600	15100	7100
14	7600	3400	10300	5300	6700	2100	600	300	5300	700	15700	9400
15	5500	3100	10600	3700	2200	700	600	300	5300	200	16800	9300
16	4900	2500	8600	2400	---	---	700	400	5800	300	19200	9400
17	13600	2500	8400	2100	800	300	1900	500	8100	400	17700	8500
18	8100	3200	6500	2100	600	300	1200	600	3400	1700	12900	4200
19	7300	2000	5500	2100	300	<100	1800	800	5100	2100	7900	2800
20	7000	1900	5300	2200	300	200	3200	1000	5900	2500	6700	2800
21	7500	3400	4700	2100	700	200	6900	1700	6900	2600	11100	3400
22	---	---	4500	1700	600	200	6400	2300	8800	2600	14100	5800
23	10900	5500	5000	1800	400	300	18300	2400	9000	3700	16600	9000
24	12600	6100	5500	2100	500	300	7700	2400	10500	4100	16400	10600
25	19000	7200	5800	2000	700	200	16800	3000	12000	5000	15100	10400
26	18100	7700	5600	2000	2100	400	20400	3000	11000	5800	17900	10400
27	25100	7000	5600	3000	1200	500	12200	2900	14700	6800	16300	8800
28	17200	8200	7300	4000	3000	700	13200	3600	10800	7600	21900	11200
29	14700	8700	9300	3600	6400	1000	15600	4200	11800	7600	21800	11800
30	16500	8400	6600	2600	9000	1900	19300	4100	15700	7700	22400	10900
31	---	---	5200	2100	---	---	16100	3600	17300	11200	---	---

TABLE 1C.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1986 TO JULY 1988--CONTINUED

TOP

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23700	14200	12900	7100	300	<100	5300	1700	7400	2200	3000	1700
2	21500	15800	15700	8900	500	200	3800	1300	---	800	2800	1500
3	22100	15500	15700	10900	1500	300	3600	1100	900	700	4100	1200
4	24900	15400	17800	10000	2100	300	3500	1100	700	700	1600	900
5	23500	17700	21400	12000	1800	200	3800	1200	700	700	1100	900
6	24800	15700	19100	11500	1700	700	4800	1600	700	700	1400	900
7	23800	15500	19000	12300	4300	700	5800	1900	700	700	1600	1000
8	25600	18100	20800	12300	1200	200	2700	1300	700	700	1500	900
9	22400	17900	---	---	1300	300	4500	2400	900	700	2000	700
10	26100	16900	17100	8000	1400	300	5600	2100	1200	700	<100	<100
11	26600	18700	18400	10900	1200	400	6200	3900	1500	900	<100	<100
12	28300	17700	18600	10900	1000	400	6600	3900	1200	900	<100	<100
13	29700	22500	16700	10500	1500	300	7700	4300	2600	1000	<100	<100
14	29400	22600	14900	8300	1600	800	9100	6500	2100	1000	<100	<100
15	28000	22300	12500	8500	1700	500	9400	5600	3200	1000	<100	<100
16	30300	24300	12800	3000	2700	700	8400	5200	2800	1100	<100	<100
17	26900	24800	3500	200	7000	2700	8400	4900	2200	900	700	<100
18	27600	22700	200	<100	8100	4100	8500	4500	4100	1400	1200	<100
19	26700	20400	100	<100	7000	3000	6400	4400	1900	700	700	<100
20	30600	20400	100	<100	8000	2400	7300	4600	900	700	700	<100
21	---	---	<100	<100	6700	2000	6700	3900	900	700	700	<100
22	28000	18100	<100	<100	5200	1300	6300	3900	1100	700	1000	700
23	25900	19900	<100	<100	4400	1100	6100	3800	1100	700	800	700
24	27500	19700	<100	<100	3400	900	6400	3800	800	700	900	700
25	26700	14700	200	<100	2400	800	6700	4400	1600	700	1400	800
26	26900	11600	<100	<100	1500	500	7300	2900	2500	800	1100	900
27	15000	7900	<100	<100	900	400	8500	4700	2500	1200	1900	900
28	11100	8000	<100	<100	1000	500	---	---	2100	1000	1600	1100
29	12700	8300	<100	<100	1100	800	7300	2800	2300	1000	1600	1300
30	12000	7400	200	<100	3000	1000	6700	2200	---	---	2000	1100
31	11000	7100	---	---	4400	2200	6000	2600	---	---	1700	1000

TOP

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY	
1	1400	900	13900	6200	21000	12800	13200	8100
2	1600	700	11600	4700	19900	11100	12300	8100
3	900	700	13000	6100	22700	10200	12800	6100
4	800	700	9100	3400	15600	8400	12300	7200
5	900	700	9800	3800	10900	6200	16900	8100
6	800	700	9400	4100	8500	6000	17800	9000
7	800	700	7000	4400	10900	7200	16000	6300
8	800	700	8700	5700	11400	9700	15200	6900
9	800	700	8400	5500	---	---	19100	6500
10	1000	700	8500	4300	14500	6700	13400	5800
11	1500	1100	7800	4900	14200	7000	9600	4400
12	4800	1100	8700	4800	16800	8500	7900	5500
13	2700	1300	9000	5900	19200	8900	6700	3300
14	4600	1700	11100	5100	25200	10600		
15	4300	1600	10200	5000	22500	14800		
16	4700	1900	11100	4700	22800	14500		
17	2900	1900	12100	5300	20600	15200		
18	5000	2700	12200	5500	20600	14000		
19	4200	2600	13800	6700	20000	14200		
20	5600	3600	13200	7800	22000	13600		
21	4800	3100	10300	4300	26700	13800		
22	4400	3500	7500	3600	26100	14800		
23	4100	3200	4900	2400	24000	13900		
24	4700	2600	4300	2300	32100	16100		
25	7800	2900	4500	3000	27500	12300		
26	8100	4600	8600	3600	20500	7900		
27	8200	5000	9900	5500	15900	8300		
28	9900	6200	12800	4700	15700	8700		
29	23300	6600	13600	4900	13700	7800		
30	16800	7200	13400	6300	13000	7600		
31	---	---	17600	7700	---	---		

TABLE 1C.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1986 TO JULY 1988--CONTINUED

BOTTOM

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, APRIL TO SEPTEMBER 1986

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	23100	18000	26400	19400	6000	600	30600	27300	34700	33200
2	---	---	22200	20000	25400	20200	4400	400	31500	28300	34800	33300
3	---	---	21900	4000	26000	20900	3200	900	34600	30100	34000	33000
4	---	---	9700	1800	26200	18700	5100	700	37900	33400	34100	31900
5	---	---	17100	1900	24200	11300	7300	1600	39200	37100	33300	32200
6	---	---	10400	2200	18700	11500	13100	1800	39100	35600	32800	31100
7	---	---	8800	1900	17100	8100	15900	2100	---	---	32600	31000
8	---	---	13000	3000	13900	2700	20400	8500	35200	30100	31900	30700
9	---	---	15700	6900	2400	<100	25600	16800	35400	28200	---	---
10	---	---	13700	6800	100	<100	---	---	32100	25900	---	---
11	---	---	13800	6100	<100	<100	23700	15400	30800	25500	31100	28400
12	---	---	13800	8700	---	---	16300	11000	33200	23700	31000	21500
13	---	---	15800	10000	100	<100	13500	8300	34800	30200	31000	21800
14	---	---	17800	14100	---	---	12700	9200	36700	33500	31400	22100
15	---	---	18600	14400	---	---	13200	10600	36400	29800	31300	22300
16	---	---	17600	13500	---	---	13400	10500	34200	25600	31700	22500
17	---	---	18600	12900	---	---	13800	11400	31200	27000	31700	22800
18	28600	26200	19400	12400	---	---	15800	13100	---	---	31700	23300
19	29300	26200	---	---	---	---	18900	14100	27800	24100	31800	23400
20	29200	17000	25200	20200	---	---	19600	16200	31000	26400	32500	23800
21	25300	9600	29100	22900	---	---	21400	18600	32200	29300	32400	24100
22	25900	7700	29200	23300	---	---	24100	20500	32400	31300	32800	24400
23	28500	12700	27000	20600	---	---	25600	22100	33400	31200	33000	31400
24	29600	20200	24200	20000	---	---	28500	24400	32300	31100	33200	30600
25	26700	20400	23600	18400	---	---	28100	24900	31600	30600	---	---
26	26200	20500	21400	13000	---	---	28600	19800	31700	30300	31500	27600
27	26100	20600	20100	---	---	---	25900	20900	31600	28600	30800	28400
28	25000	14300	21100	12500	---	---	24900	21000	31400	28300	31100	27600
29	24900	16100	22600	17900	8900	1800	24000	22000	32600	30700	30800	27500
30	23300	11700	23200	19600	7900	1300	25600	23600	33400	32000	29500	25200
31	---	---	25800	10900	---	---	28700	25100	34200	33200	---	---

BOTTOM

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29000	22900	34800	28100	700	600	1400	200	19200	6900	<100	<100
2	29000	22500	34900	29500	700	600	4100	300	17100	1300	<100	<100
3	---	---	34800	29900	600	600	14000	1000	14700	4700	<100	<100
4	28000	23000	35400	31000	600	600	1000	100	19100	5500	<100	<100
5	28300	23000	35700	19900	600	500	600	100	24500	15700	<100	<100
6	28400	24700	25600	18000	1000	500	5100	900	25100	13300	<100	<100
7	29400	20700	28400	15600	3700	700	14400	900	26500	16200	<100	<100
8	30700	28600	27100	12000	15800	900	7100	1000	25400	11800	100	<100
9	31200	30100	18400	10200	15400	1200	---	1600	24200	10800	600	<100
10	32400	31000	23200	10800	11900	1300	5600	1700	---	---	---	---
11	33400	32200	27000	16100	17600	3300	4400	1200	26500	17600	1800	200
12	34200	32300	26700	17000	12900	4500	15400	1600	25700	14100	10700	300
13	34600	31600	23600	14800	16400	5300	20800	4800	26600	23600	16700	4700
14	35200	31900	26200	23800	20600	8300	23500	5000	27700	20400	18500	4100
15	35000	33500	27000	23600	21700	12000	24200	---	26300	14400	17100	1400
16	34900	29000	28300	23100	14800	800	23700	3400	23100	1300	14500	1200
17	34600	29100	27600	20500	1100	200	19500	1400	11200	2000	14400	1300
18	32300	23600	25800	17500	600	100	3700	<100	19800	2900	2000	100
19	33500	28300	24700	17800	400	<100	100	<100	25500	4100	200	<100
20	37200	25600	24900	17700	300	<100	100	<100	26500	10000	300	<100
21	37700	33400	26000	19900	200	<100	<100	<100	26100	9300	200	<100
22	37700	35400	26500	20200	900	<100	<100	<100	20100	5800	900	<100
23	37900	35200	25000	18100	1600	<100	<100	<100	12600	3200	500	<100
24	37500	25600	24500	7600	<100	<100	<100	<100	23900	3400	200	<100
25	33300	19600	11800	1700	<100	<100	100	<100	24200	2600	100	<100
26	31900	25400	1600	800	<100	<100	<100	<100	11600	300	300	<100
27	33000	31200	900	700	<100	<100	---	---	200	<100	3700	200
28	34300	31800	800	600	<100	<100	100	<100	100	<100	12700	<100
29	34200	30700	700	600	100	<100	1200	<100	---	---	11500	1400
30	34400	29700	700	600	200	<100	900	100	---	---	6000	1400
31	34600	31900	---	---	1100	<100	11900	500	---	---	9000	1500

TABLE 1C.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA,
DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1986 TO JULY 1988--CONTINUED

BOTTOM

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11700	4400	31600	29000	19500	10400	3800	900	21400	18400	35000	33600
2	15200	8700	30000	27700	16400	6600	900	<100	21700	19700	35400	34700
3	17500	4300	29200	25400	18000	7100	100	<100	22600	18400	35800	34600
4	23900	18600	30200	24300	17600	13200	100	<100	23100	17400	35600	33800
5	25700	22200	32500	28300	19500	16800	100	<100	25100	16000	35600	34000
6	26200	23800	32000	25300	22200	18400	300	<100	26500	20700	35500	34000
7	25800	21600	31200	27400	24700	21000	300	<100	27700	21800	35400	33200
8	26000	23000	31000	27900	26600	23100	1900	<100	30300	18400	34700	32600
9	26400	21200	30600	27600	29100	21000	500	<100	30400	25800	33500	31300
10	23500	18500	31200	15400	29600	25700	1300	<100	31700	18200	33500	29000
11	18200	11600	30800	24500	28400	25500	1300	<100	27900	17100	32700	28600
12	15300	10800	30000	22000	26300	18400	1100	600	20100	8400	31300	27100
13	15300	12500	28600	24000	21200	11800	1800	800	20400	7600	31000	27200
14	13700	9800	26800	22500	12600	3200	1100	400	17500	---	31500	28800
15	15300	9100	26100	19000	4900	2500	800	200	---	---	31700	28800
16	18100	10100	23900	17100	---	---	1400	200	19000	7700	32300	28600
17	22400	15700	23900	15400	1400	300	10900	800	19800	12400	31100	26700
18	24600	20500	22200	10700	600	<100	8100	1100	20600	17000	30500	20300
19	25700	22100	23500	---	100	<100	---	---	25400	19500	30300	24800
20	25700	22800	25500	12200	100	<100	19300	14000	28400	24400	30900	26000
21	25800	20800	26500	---	100	<100	20500	18500	30400	25100	32800	30600
22	---	---	27600	16300	100	<100	22000	16600	30700	28100	34100	32000
23	28700	23700	29200	24700	100	<100	21300	17600	32300	27800	35400	33300
24	30200	26400	28800	22200	1200	100	21400	18000	32800	29000	35400	34200
25	33200	29500	27700	20800	1200	200	22200	16900	33100	29400	35300	33900
26	33700	31700	27500	20100	2200	500	22200	16500	32600	30100	35000	33600
27	34400	30500	25400	19700	13200	400	19900	14800	30600	27300	35000	33400
28	32000	30300	24300	18700	24800	11000	18600	14700	28900	27500	34800	33900
29	31900	28700	24100	18400	28700	23800	19500	15200	30600	28700	34900	30200
30	31600	29000	23300	15700	27100	4000	19800	13600	32500	30300	35300	29000
31	---	---	22900	13200	---	---	20200	16400	33700	31700	---	---

BOTTOM

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	35300	33600	29600	27000	600	200	11700	1800	22800	2300	18000	2900
2	35600	32700	30700	28800	1300	400	---	2000	2200	400	20400	6700
3	35800	33900	31800	29800	4500	600	16600	1800	500	300	16400	1100
4	35600	34300	31800	28900	5100	600	13400	1300	400	300	1500	600
5	35600	34200	31800	29700	23700	1600	---	2400	400	300	3900	600
6	35400	33500	32000	29800	26600	18300	30500	3600	400	300	2100	1000
7	34800	33300	32700	31500	27300	1000	31300	1900	400	300	1500	800
8	34600	33000	33300	32100	2400	400	2800	1200	600	300	1300	600
9	34600	31900	33600	30400	2200	600	3000	1300	1100	400	2200	300
10	34000	31900	32800	19000	2200	600	6200	2000	1500	600	<100	<100
11	33800	31900	33500	30300	2000	700	8500	3000	1800	600	<100	<100
12	34500	32600	34500	32800	3800	700	11300	3100	2900	800	<100	<100
13	34200	33300	35200	33500	19000	800	12100	2700	3700	1600	<100	<100
14	34400	33800	35400	34400	19500	1200	19400	6900	12500	1100	<100	<100
15	34900	34100	35800	32500	5500	900	19300	5800	13700	1400	<100	<100
16	35200	34500	34300	4300	18200	3600	24000	6100	6500	1300	<100	<100
17	35000	34300	4600	300	20800	9000	23900	6000	16400	1800	600	300
18	35100	34400	400	100	28900	10400	25100	3700	21400	2100	500	<100
19	35100	34500	200	100	29900	11100	24600	5100	3200	500	400	<100
20	34900	34500	200	<100	26700	8000	16300	2800	700	400	500	<100
21	34800	33400	100	<100	26100	3500	8700	2600	900	500	400	<100
22	34100	32800	100	<100	25300	2300	11700	2400	900	500	500	<100
23	34100	33100	100	<100	15800	1500	12000	3400	1000	400	400	300
24	34500	33200	100	<100	12800	1200	15300	4700	600	400	700	400
25	34900	33300	400	<100	2900	800	8300	3300	4400	600	1300	500
26	35000	31300	100	<100	2300	500	7200	3600	9100	1700	1800	700
27	34200	13100	400	<100	1700	500	20000	4500	5800	1600	5700	1100
28	30000	25300	600	<100	2000	500	---	---	9900	2000	10900	1300
29	31700	28400	400	<100	1400	700	24000	7200	14100	1900	6200	1200
30	31200	27000	600	100	20000	1800	22700	6900	---	---	2900	1200
31	29800	26600	---	---	23300	4400	22000	7900	---	---	2100	800

TABLE 1C.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1986 TO JULY 1988--CONTINUED

BOTTOM

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY	
1	1500	700	34200	31700	37000	33300	32000	27500
2	1800	300	34900	31800	36500	33600	30500	27400
3	400	300	32800	24700	36500	29600	30100	27100
4	400	300	26200	20400	36400	30900	31400	27200
5	400	300	25500	20300	36000	28600	31400	28900
6	300	300	26900	17300	36300	31100	34100	30000
7	300	300	28300	24100	36000	33100	35900	32600
8	300	300	26400	22700	35500	32200	38200	35000
9	400	300	23600	20100	---	---	39400	36300
10	1100	400	24200	20900	32400	26100	39400	19000
11	2500	800	24200	21900	32400	29900	37300	17000
12	5800	1600	24400	21800	34500	32000	28200	11900
13	16300	2900	24800	22800	37300	33900	24500	14500
14	24100	6500	25700	23500	38300	35200		
15	28500	8800	26000	22800	38800	36600		
16	28600	16000	27100	24200	39700	36200		
17	33100	23200	29200	24200	40200	35400		
18	23400	9700	29500	25800	37900	35600		
19	21400	8000	31600	24900	38300	35600		
20	29700	17600	32500	29000	37900	35600		
21	27900	19700	31700	18600	37600	35600		
22	21900	15700	25700	9800	38100	36600		
23	21600	13800	11000	3900	38200	35800		
24	27700	---	10700	5600	38200	37100		
25	28500	22700	21300	6800	38900	35600		
26	29700	24900	30700	21400	37100	30200		
27	29900	26900	35300	29800	36000	31400		
28	33100	29300	35500	32500	33900	29100		
29	34000	31100	38000	33500	32200	29200		
30	33900	31300	38100	33300	32300	28300		
31	---	---	36800	34300	---	---		

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.2 OF TOTAL DEPTH (7 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1986			1986			1986			1986		
10-01	MAX	0.43	10-17	MAX	0.27	11-01	MAX	1.12	11-17	MAX	1.01
	MIN	-1.15		MIN	-0.83		MIN	-0.09		MIN	-0.20
10-02	MAX	0.32	10-18	MAX	0.27	11-02	MAX	1.01	11-18	MAX	1.15
	MIN	-1.10		MIN	-1.05		MIN	-0.25		MIN	-0.36
10-03	MAX	0.43	10-19	MAX	0.16	11-03	MAX	1.20	11-19	MAX	0.76
	MIN	-0.91		MIN	-0.85		MIN	-0.06		MIN	-0.33
10-04	MAX	0.52	10-20	MAX	2.41	11-04	MAX	0.98	11-20	MAX	1.01
	MIN	-0.91		MIN	-0.61		MIN	-0.41		MIN	-0.36
10-05	MAX	0.30	10-21	MAX	0.76	11-05	MAX	1.04	11-21	MAX	0.90
	MIN	-1.02		MIN	-0.50		MIN	-0.28		MIN	-0.36
10-06	MAX	0.24	10-22	MAX	0.68	11-06	MAX	0.76	11-22	MAX	1.09
	MIN	-1.18		MIN	-0.41		MIN	-0.69		MIN	-0.33
10-07	MAX	0.35	10-23	MAX	0.98	11-07	MAX	0.60	11-23	MAX	1.01
	MIN	-0.91		MIN	-0.17		MIN	-0.52		MIN	-0.33
10-08	MAX	0.13	10-24	MAX	0.96	11-08	MAX	0.74	11-24	MAX	2.52
	MIN	-0.80		MIN	-0.22		MIN	-0.69		MIN	-0.20
10-09	MAX	0.27	10-25	MAX	0.93	11-09	MAX	0.63	11-25	MAX	3.56
	MIN	-0.69		MIN	-0.69		MIN	-0.72		MIN	-1.65
10-10	MAX	0.22	10-26	MAX	0.54	11-10	MAX	0.49	11-26	MAX	4.62
	MIN	-0.83		MIN	-0.72		MIN	-0.61		MIN	2.21
10-11	MAX	0.05	10-27	MAX	0.63	11-11	MAX	0.85	11-27	MAX	4.16
	MIN	-0.94		MIN	-0.36		MIN	-0.94		MIN	2.27
10-12	MAX	0.49	10-28	MAX	0.79	11-12	MAX	0.82	11-28	MAX	4.49
	MIN	-0.83		MIN	-0.28		MIN	-0.61		MIN	2.43
10-13	MAX	0.35	10-29	MAX	0.74	11-13	MAX	0.54	11-29	MAX	4.19
	MIN	-0.83		MIN	-0.14		MIN	-0.55		MIN	1.69
10-14	MAX	0.35	10-30	MAX	0.82	11-14	MAX	0.68	11-30	MAX	3.91
	MIN	-0.91		MIN	-0.36		MIN	-0.36		MIN	1.31
10-15	MAX	0.13	10-31	MAX	1.06	11-15	MAX	0.95			
	MIN	-0.66		MIN	-0.31		MIN	-0.06			
10-16	MAX	0.24				11-16	MAX	1.12			
	MIN	-1.18					MIN	-0.03			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.2 OF TOTAL DEPTH (7 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1986		1986		1987		1987	
12-01	MAX 3.77	12-17	MAX 2.93	01-01	MAX 2.19	01-17	MAX 1.34
	MIN 1.47		MIN 0.11		MIN -0.61		MIN -0.22
12-02	MAX 3.91	12-18	MAX 3.01	01-02	MAX 1.50	01-18	MAX 4.43
	MIN 1.72		MIN 0.74		MIN -0.72		MIN 0.93
12-03	MAX 3.53	12-19	MAX 3.28	01-03	MAX 2.11	01-19	MAX 5.12
	MIN 1.20		MIN 0.93		MIN -0.50		MIN 3.45
12-04	MAX 3.31	12-20	MAX 3.23	01-04	MAX 2.68	01-20	MAX 5.09
	MIN 1.01		MIN 0.93		MIN 0.60		MIN 3.72
12-05	MAX 3.09	12-21	MAX 2.82	01-05	MAX 1.67	01-21	MAX 5.12
	MIN 0.10		MIN 0.65		MIN -0.50		MIN 3.42
12-06	MAX 2.29	12-22	MAX 2.93	01-06	MAX 0.38	01-22	MAX 5.12
	MIN -0.09		MIN 0.24		MIN -0.47		MIN 3.45
12-07	MAX 1.58	12-23	MAX 3.64	01-07	MAX 1.17	01-23	MAX 5.12
	MIN -0.72		MIN -0.25		MIN -0.44		MIN 3.39
12-08	MAX 0.90	12-24	MAX 3.86	01-08	MAX 1.23	01-24	MAX 5.04
	MIN -1.27		MIN 2.16		MIN -0.72		MIN 2.35
12-09	MAX 0.82	12-25	MAX 3.23	01-09	MAX 0.82	01-25	MAX 4.38
	MIN -0.50		MIN 1.94		MIN -0.63		MIN 2.38
12-10	MAX 1.15	12-26	MAX 3.39	01-10	MAX 1.23	01-26	MAX 3.56
	MIN -0.80		MIN 1.48		MIN -0.91		MIN 0.96
12-11	MAX 0.96	12-27	MAX 3.17	01-11	MAX 1.01	01-27	MAX 3.15
	MIN -0.94		MIN 1.09		MIN -0.66		MIN -0.25
12-12	MAX 1.59	12-28	MAX 3.23	01-12	MAX 0.54	01-28	MAX 2.96
	MIN -0.83		MIN 0.68		MIN -0.66		MIN -0.06
12-13	MAX 1.15	12-29	MAX 3.17	01-13	MAX 0.65	01-29	MAX 2.49
	MIN -0.94		MIN 0.79		MIN -0.44		MIN -0.25
12-14	MAX 0.71	12-30	MAX 3.12	01-14	MAX 1.04	01-30	MAX 1.59
	MIN -0.94		MIN -0.20		MIN -0.47		MIN -0.91
12-15	MAX 0.82	12-31	MAX 2.93	01-15	MAX 0.76	01-31	MAX 1.20
	MIN -0.52		MIN -0.74		MIN -0.47		MIN -0.85
12-16	MAX 2.96			01-16	MAX 1.48		
	MIN -0.28				MIN -0.25		

1987			1987			1987			1987		
02-01	MAX	0.96	02-17	MAX	0.54	03-01	MAX	5.12	03-17	MAX	1.36
	MIN	-0.88		MIN	-0.94		MIN	3.61		MIN	-0.12
02-02	MAX	0.76	02-18	MAX	0.11	03-02	MAX	5.06	03-18	MAX	3.01
	MIN	-0.25		MIN	-1.15		MIN	3.23		MIN	0.02
02-03	MAX	0.87	02-19	MAX	0.38	03-03	MAX	4.60	03-19	MAX	3.03
	MIN	-0.33		MIN	-1.15		MIN	3.17		MIN	0.38
02-04	MAX	0.68	02-20	MAX	0.30	03-04	MAX	5.09	03-20	MAX	2.95
	MIN	-0.58		MIN	-1.18		MIN	3.20		MIN	0.57
02-05	MAX	0.96	02-21	MAX	0.19	03-05	MAX	4.79	03-21	MAX	3.17
	MIN	-1.18		MIN	-0.91		MIN	2.54		MIN	1.06
02-06	MAX	0.30	02-22	MAX	1.01	03-06	MAX	4.19	03-22	MAX	3.12
	MIN	-0.63		MIN	-0.69		MIN	2.00		MIN	0.10
02-07	MAX	0.41	02-23	MAX	1.17	03-07	MAX	3.61	03-23	MAX	2.92
	MIN	-0.55		MIN	-0.33		MIN	1.45		MIN	-0.39
02-08	MAX	0.49	02-24	MAX	1.26	03-08	MAX	3.26	03-24	MAX	3.36
	MIN	-0.61		MIN	-0.52		MIN	1.06		MIN	0.29
02-09	MAX	0.54	02-25	MAX	1.67	03-09	MAX	2.87	03-25	MAX	3.06
	MIN	-0.74		MIN	-0.33		MIN	-0.12		MIN	-0.47
02-10	MAX	1.67	02-26	MAX	3.61	03-10	MAX	2.62	03-26	MAX	2.79
	MIN	-0.50		MIN	-0.39		MIN	-0.17		MIN	-0.58
02-11	MAX	0.96	02-27	MAX	4.38	03-11	MAX	1.61	03-27	MAX	1.17
	MIN	-0.63		MIN	2.52		MIN	-0.80		MIN	-0.47
02-12	MAX	1.23	02-28	MAX	5.06	03-12	MAX	1.25	03-28	MAX	1.39
	MIN	-1.02		MIN	2.68		MIN	-0.77		MIN	-0.72
02-13	MAX	0.41				03-13	MAX	0.73	03-29	MAX	1.31
	MIN	-0.66					MIN	-0.36		MIN	-0.47
02-14	MAX	0.57				03-14	MAX	1.01	03-30	MAX	1.15
	MIN	-0.80					MIN	-0.14		MIN	-1.02
02-15	MAX	1.23				03-15	MAX	0.95	03-31	MAX	0.74
	MIN	-0.52					MIN	-0.25		MIN	-0.31
02-16	MAX	0.98				03-16	MAX	0.93			
	MIN	-0.66					MIN	-0.25			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.2 OF TOTAL DEPTH (7 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1987			1987			1987			1987		
04-01	MAX	0.76	04-17	MAX	1.39	05-01	MAX	0.90	05-17	MAX	0.76
	MIN	-0.50		MIN	-0.66		MIN	-0.25		MIN	-0.52
04-02	MAX	0.98	04-18	MAX	0.79	05-02	MAX	0.74	05-18	MAX	0.82
	MIN	-0.50		MIN	-0.06		MIN	-0.09		MIN	-0.44
04-03	MAX	0.73	04-19	MAX	0.73	05-03	MAX	0.85	05-19	MAX	2.60
	MIN	-0.64		MIN	-0.12		MIN	-0.11		MIN	-0.69
04-04	MAX	0.54	04-20	MAX	0.79	05-04	MAX	0.74	05-20	MAX	1.26
	MIN	-0.17		MIN	-0.12		MIN	-0.25		MIN	-0.72
04-05	MAX	0.65	04-21	MAX	0.68	05-05	MAX	0.71	05-21	MAX	1.01
	MIN	-0.20		MIN	-0.17		MIN	-0.44		MIN	-0.41
04-06	MAX	0.79	04-22	MAX	0.76	05-06	MAX	1.37	05-22	MAX	0.79
	MIN	-0.28		MIN	-0.33		MIN	-0.33		MIN	-0.14
04-07	MAX	0.79	04-23	MAX	0.82	05-07	MAX	0.74	05-23	MAX	0.90
	MIN	-0.14		MIN	-0.28		MIN	-0.20		MIN	-0.41
04-08	MAX	0.73	04-24	MAX	0.85	05-08	MAX	0.93	05-24	MAX	1.01
	MIN	0.05		MIN	-0.20		MIN	-0.22		MIN	0.00
04-09	MAX	0.76	04-25	MAX	0.52	05-09	MAX	0.98	05-25	MAX	1.15
	MIN	0.13		MIN	-0.03		MIN	-0.03		MIN	-0.03
04-10	MAX	0.82	04-26	MAX	0.87	05-10	MAX	1.31	05-26	MAX	1.26
	MIN	0.30		MIN	-0.41		MIN	-0.50		MIN	-0.03
04-11	MAX	1.06	04-27	MAX	0.82	05-11	MAX	1.20	05-27	MAX	1.20
	MIN	0.05		MIN	-0.36		MIN	-0.31		MIN	-0.41
04-12	MAX	1.06	04-28	MAX	0.98	05-12	MAX	0.96	05-28	MAX	1.37
	MIN	-0.31		MIN	0.02		MIN	-0.20		MIN	-0.06
04-13	MAX	0.92	04-29	MAX	1.04	05-13	MAX	0.79	05-29	MAX	1.15
	MIN	-0.80		MIN	-0.03		MIN	-0.22		MIN	-0.28
04-14	MAX	0.95	04-30	MAX	0.87	05-14	MAX	0.96	05-30	MAX	0.90
	MIN	-0.20		MIN	-0.06		MIN	-0.09		MIN	-0.33
04-15	MAX	0.90				05-15	MAX	0.90	05-31	MAX	1.26
	MIN	-0.58					MIN	-0.47		MIN	-0.44
04-16	MAX	0.87				05-16	MAX	0.76			
	MIN	-0.64					MIN	-0.14			

1987			1987			1987			1987		
06-01	MAX	1.04	06-17	MAX	2.27	07-01	MAX	2.52	07-17	MAX	1.31
	MIN	-0.14		MIN	0.13		MIN	0.32		MIN	-0.17
06-02	MAX	1.28	06-18	MAX	2.63	07-02	MAX	3.09	07-18	MAX	1.06
	MIN	-0.41		MIN	0.63		MIN	1.59		MIN	-0.17
06-03	MAX	0.98	06-19	MAX	2.98	07-03	MAX	2.98	07-19	MAX	1.06
	MIN	-0.06		MIN	1.59		MIN	1.53		MIN	-0.17
06-04	MAX	0.82	06-20	MAX	2.96	07-04	MAX	3.04	07-20	MAX	1.17
	MIN	-0.03		MIN	1.31		MIN	1.23		MIN	-0.31
06-05	MAX	1.31	06-21	MAX	3.45	07-05	MAX	2.30	07-21	MAX	0.90
	MIN	-0.28		MIN	1.04		MIN	1.17		MIN	-0.17
06-06	MAX	1.06	06-22	MAX	2.76	07-06	MAX	2.79	07-22	MAX	1.17
	MIN	-0.11		MIN	0.54		MIN	0.63		MIN	-0.14
06-07	MAX	0.96	06-23	MAX	2.49	07-07	MAX	2.57	07-23	MAX	1.06
	MIN	-0.22		MIN	0.38		MIN	0.16		MIN	-0.17
06-08	MAX	1.09	06-24	MAX	1.45	07-08	MAX	2.38	07-24	MAX	1.04
	MIN	0.00		MIN	0.02		MIN	-0.41		MIN	0.00
06-09	MAX	1.04	06-25	MAX	1.56	07-09	MAX	2.74	07-25	MAX	1.17
	MIN	0.16		MIN	0.27		MIN	-0.28		MIN	-0.06
06-10	MAX	1.09	06-26	MAX	1.80	07-10	MAX	2.71	07-26	MAX	0.98
	MIN	0.05		MIN	0.24		MIN	-0.31		MIN	-0.09
06-11	MAX	0.96	06-27	MAX	1.28	07-11	MAX	2.49	07-27	MAX	0.98
	MIN	-0.17		MIN	-0.06		MIN	-0.11		MIN	-0.17
06-12	MAX	1.09	06-28	MAX	0.79	07-12	MAX	2.30	07-28	MAX	0.96
	MIN	-0.28		MIN	0.05		MIN	-0.20		MIN	0.05
06-13	MAX	0.82	06-29	MAX	1.09	07-13	MAX	1.28	07-29	MAX	0.90
	MIN	-0.55		MIN	-0.09		MIN	0.49		MIN	-0.25
06-14	MAX	1.37	06-30	MAX	1.61	07-14	MAX	1.39	07-30	MAX	0.93
	MIN	-0.03		MIN	0.05		MIN	0.65		MIN	-0.25
06-15	MAX	2.49				07-15	MAX	1.28	07-31	MAX	1.34
	MIN	-0.47					MIN	-2.83		MIN	-0.06
06-16	MAX	2.22				07-16	MAX	1.34			
	MIN	-0.03					MIN	-0.14			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.2 OF TOTAL DEPTH (7 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1987			1987			1987			1987		
08-01	MAX	1.06	08-17	MAX	0.93	09-01	MAX	0.57	09-17	MAX	0.87
	MIN	0.00		MIN	-0.36		MIN	0.00		MIN	0.13
08-02	MAX	1.01	08-18	MAX	0.82	09-02	MAX	0.71	09-18	MAX	0.98
	MIN	0.00		MIN	-0.06		MIN	-0.11		MIN	-0.44
08-03	MAX	1.06	08-19	MAX	0.74	09-03	MAX	0.79	09-19	MAX	0.90
	MIN	0.08		MIN	-0.14		MIN	-0.20		MIN	-0.31
08-04	MAX	1.28	08-20	MAX	0.85	09-04	MAX	0.82	09-20	MAX	0.93
	MIN	0.11		MIN	-0.22		MIN	-0.28		MIN	-0.31
08-05	MAX	1.17	08-21	MAX	0.90	09-05	MAX	0.98	09-21	MAX	0.79
	MIN	-0.09		MIN	-0.28		MIN	-0.03		MIN	-0.20
08-06	MAX	1.23	08-22	MAX	0.82	09-06	MAX	1.15	09-22	MAX	0.71
	MIN	-0.06		MIN	-0.28		MIN	-0.09		MIN	-0.06
08-07	MAX	1.04	08-23	MAX	1.01	09-07	MAX	1.06	09-23	MAX	0.65
	MIN	-0.09		MIN	0.00		MIN	-0.06		MIN	-0.20
08-08	MAX	1.17	08-24	MAX	0.96	09-08	MAX	1.17	09-24	MAX	0.85
	MIN	-0.09		MIN	-0.17		MIN	0.16		MIN	-0.03
08-09	MAX	1.06	08-25	MAX	0.87	09-09	MAX	1.09	09-25	MAX	0.82
	MIN	0.02		MIN	0.05		MIN	0.00		MIN	-0.06
08-10	MAX	1.15	08-26	MAX	0.96	09-10	MAX	0.96	09-26	MAX	0.82
	MIN	-0.11		MIN	-0.17		MIN	-0.06		MIN	0.08
08-11	MAX	1.09	08-27	MAX	0.93	09-11	MAX	1.06	09-27	MAX	0.93
	MIN	0.02		MIN	0.08		MIN	-0.14		MIN	0.00
08-12	MAX	0.96	08-28	MAX	0.85	09-12	MAX	1.15	09-28	MAX	0.76
	MIN	-0.63		MIN	-0.36		MIN	-0.17		MIN	-0.11
08-13	MAX	0.90	08-29	MAX	0.76	09-13	MAX	0.93	09-29	MAX	1.17
	MIN	-0.25		MIN	-0.31		MIN	0.05		MIN	-0.31
08-14	MAX	0.82	08-30	MAX	0.79	09-14	MAX	0.82	09-30	MAX	1.23
	MIN	-0.17		MIN	-0.31		MIN	0.05		MIN	-0.47
08-15	MAX	0.76	08-31	MAX	0.60	09-15	MAX	0.85			
	MIN	0.02		MIN	0.05		MIN	0.13			
08-16	MAX	0.93				09-16	MAX	0.96			
	MIN	-0.17					MIN	-0.11			

1987			1987			1987			1987		
10-01	MAX	1.09	10-17	MAX	0.96	11-01	MAX	0.85	11-17	MAX	3.04
	MIN	0.19		MIN	0.05		MIN	-0.14		MIN	1.15
10-02	MAX	1.09	10-18	MAX	0.96	11-02	MAX	0.52	11-18	MAX	3.31
	MIN	0.22		MIN	0.16		MIN	-0.36		MIN	1.72
10-03	MAX	0.85	10-19	MAX	1.01	11-03	MAX	0.71	11-19	MAX	3.59
	MIN	0.16		MIN	0.19		MIN	-0.36		MIN	2.11
10-04	MAX	1.20	10-20	MAX	0.98	11-04	MAX	0.46	11-20	MAX	4.60
	MIN	0.13		MIN	0.16		MIN	-0.17		MIN	2.49
10-05	MAX	1.15	10-21	MAX	1.26	11-05	MAX	0.38	11-21	MAX	4.82
	MIN	0.11		MIN	-0.17		MIN	-0.39		MIN	2.87
10-06	MAX	1.01	10-22	MAX	0.93	11-06	MAX	0.57	11-22	MAX	5.01
	MIN	0.22		MIN	0.05		MIN	-0.52		MIN	2.85
10-07	MAX	1.06	10-23	MAX	0.82	11-07	MAX	0.27	11-23	MAX	4.49
	MIN	0.24		MIN	0.11		MIN	-0.44		MIN	2.60
10-08	MAX	0.93	10-24	MAX	0.93	11-08	MAX	0.16	11-24	MAX	3.86
	MIN	0.19		MIN	0.02		MIN	-0.72		MIN	1.07
10-09	MAX	1.09	10-25	MAX	0.93	11-09	MAX	0.27	11-25	MAX	4.00
	MIN	0.13		MIN	0.16		MIN	-0.88		MIN	1.26
10-10	MAX	1.23	10-26	MAX	0.87	11-10	MAX	0.41	11-26	MAX	4.11
	MIN	0.19		MIN	-0.39		MIN	-1.21		MIN	1.70
10-11	MAX	0.85	10-27	MAX	1.06	11-11	MAX	-0.17	11-27	MAX	4.00
	MIN	0.19		MIN	-0.83		MIN	-0.96		MIN	1.31
10-12	MAX	1.45	10-28	MAX	0.52	11-12	MAX	0.16	11-28	MAX	3.89
	MIN	0.13		MIN	-0.22		MIN	-0.91		MIN	1.42
10-13	MAX	0.76	10-29	MAX	0.93	11-13	MAX	-0.25	11-29	MAX	3.29
	MIN	0.27		MIN	-0.25		MIN	-0.74		MIN	1.45
10-14	MAX	0.60	10-30	MAX	1.04	11-14	MAX	-0.17	11-30	MAX	2.41
	MIN	0.11		MIN	-0.03		MIN	-0.77		MIN	0.98
10-15	MAX	0.82	10-31	MAX	0.63	11-15	MAX	0.22			
	MIN	0.05		MIN	-0.50		MIN	-0.91			
10-16	MAX	0.90				11-16	MAX	2.49			
	MIN	0.19					MIN	-1.15			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.2 OF TOTAL DEPTH (7 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1987			1987			1988			1988		
12-01	MAX	2.30	12-17	MAX	0.76	01-01	MAX	1.53	01-17	MAX	---
	MIN	0.19		MIN	-0.44		MIN	-0.11		MIN	---
12-02	MAX	2.14	12-18	MAX	1.39	01-02	MAX	1.78	01-18	MAX	---
	MIN	0.24		MIN	-0.41		MIN	-0.31		MIN	---
12-03	MAX	1.56	12-19	MAX	1.23	01-03	MAX	1.53	01-19	MAX	---
	MIN	-0.06		MIN	-0.31		MIN	-0.36		MIN	---
12-04	MAX	1.72	12-20	MAX	1.12	01-04	MAX	1.56	01-20	MAX	---
	MIN	-0.39		MIN	-0.61		MIN	-0.22		MIN	---
12-05	MAX	0.90	12-21	MAX	1.37	01-05	MAX	1.45	01-21	MAX	---
	MIN	-0.50		MIN	-0.33		MIN	-0.09		MIN	---
12-06	MAX	1.06	12-22	MAX	1.67	01-06	MAX		01-22	MAX	---
	MIN	-0.33		MIN	-0.39		MIN	---		MIN	---
12-07	MAX	2.49	12-23	MAX	1.56	01-07	MAX		01-23	MAX	---
	MIN	-0.20		MIN	-0.31		MIN	---		MIN	---
12-08	MAX	3.04	12-24	MAX	1.89	01-08	MAX		01-24	MAX	---
	MIN	0.24		MIN	-0.11		MIN	---		MIN	---
12-09	MAX	2.35	12-25	MAX	2.54	01-09	MAX		01-25	MAX	---
	MIN	0.02		MIN	0.05		MIN	---		MIN	---
12-10	MAX	1.80	12-26	MAX	2.38	01-10	MAX		01-26	MAX	---
	MIN	0.02		MIN	0.38		MIN	---		MIN	---
12-11	MAX	2.11	12-27	MAX	2.11	01-11	MAX		01-27	MAX	---
	MIN	0.08		MIN	0.46		MIN	---		MIN	---
12-12	MAX	1.56	12-28	MAX	2.02	01-12	MAX		01-28	MAX	---
	MIN	-0.33		MIN	0.32		MIN	---		MIN	---
12-13	MAX	0.96	12-29	MAX	2.49	01-13	MAX		01-29	MAX	---
	MIN	-0.72		MIN	0.19		MIN	---		MIN	---
12-14	MAX	1.26	12-30	MAX	1.17	01-14	MAX		01-30	MAX	---
	MIN	-0.58		MIN	-0.44		MIN	---		MIN	---
12-15	MAX	1.61	12-31	MAX	0.93	01-15	MAX		01-31	MAX	---
	MIN	-0.39		MIN	-0.50		MIN	---		MIN	---
12-16	MAX	1.89				01-16	MAX	---			
	MIN	-0.83					MIN	---			

1988			1988			1988			1988		
02-01	MAX	---	02-17	MAX	---	03-01	MAX	2.11	03-17	MAX	3.64
	MIN	---		MIN	---		MIN	-0.17		MIN	0.98
02-02	MAX	---	02-18	MAX	---	03-02	MAX	1.34	03-18	MAX	4.00
	MIN	---		MIN	---		MIN	0.05		MIN	0.49
02-03	MAX	---	02-19	MAX	---	03-03	MAX	1.61	03-19	MAX	4.82
	MIN	---		MIN	---		MIN	0.27		MIN	1.42
02-04	MAX	---	02-20	MAX	---	03-04	MAX	2.05	03-20	MAX	3.83
	MIN	---		MIN	---		MIN	0.49		MIN	0.87
02-05	MAX	---	02-21	MAX	---	03-05	MAX	1.86	03-21	MAX	2.41
	MIN	---		MIN	---		MIN	0.02		MIN	1.50
02-06	MAX	---	02-22	MAX	---	03-06	MAX	1.61	03-22	MAX	3.59
	MIN	---		MIN	---		MIN	0.32		MIN	1.15
02-07	MAX	---	02-23	MAX	---	03-07	MAX	1.61	03-23	MAX	2.74
	MIN	---		MIN	---		MIN	0.43		MIN	1.17
02-08	MAX	---	02-24	MAX	---	03-08	MAX	3.48	03-24	MAX	1.86
	MIN	---		MIN	---		MIN	0.71		MIN	0.98
02-09	MAX	---	02-25	MAX	---	03-09	MAX	4.93	03-25	MAX	1.75
	MIN	---		MIN	---		MIN	2.27		MIN	0.76
02-10	MAX	---	02-26	MAX	---	03-10	MAX	5.07	03-26	MAX	2.11
	MIN	---		MIN	---		MIN	3.70		MIN	0.22
02-11	MAX	---	02-27	MAX	---	03-11	MAX	5.07	03-27	MAX	1.56
	MIN	---		MIN	---		MIN	2.19		MIN	-0.20
02-12	MAX	---	02-28	MAX	---	03-12	MAX	5.07	03-28	MAX	1.20
	MIN	---		MIN	---		MIN	0.32		MIN	0.13
02-13	MAX	---	02-29	MAX	---	03-13	MAX	5.12	03-29	MAX	1.26
	MIN	---		MIN	---		MIN	2.68		MIN	0.16
02-14	MAX	---				03-14	MAX	5.01	03-30	MAX	1.20
	MIN	---					MIN	2.41		MIN	0.35
02-15	MAX	---				03-15	MAX	5.12	03-31	MAX	1.50
	MIN	---					MIN	1.50		MIN	-0.44
02-16	MAX	---				03-16	MAX	5.09			
	MIN	---					MIN	2.52			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.2 OF TOTAL DEPTH (7 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1988			1988			1988			1988			1988		
04-01	MAX	1.28	04-17	MAX	1.39	05-01	MAX	1.15	05-17	MAX	0.76	06-01	MAX	0.85
	MIN	0.02		MIN	-0.28		MIN	-0.11		MIN	-0.36		MIN	-0.44
04-02	MAX	3.34	04-18	MAX	1.20	05-02	MAX	1.17	05-18	MAX	0.74	06-02	MAX	0.82
	MIN	0.90		MIN	0.11		MIN	-0.06		MIN	-0.14		MIN	-0.14
04-03	MAX	3.50	04-19	MAX	0.98	05-03	MAX	1.09	05-19	MAX	0.79	06-03	MAX	1.09
	MIN	1.94		MIN	0.00		MIN	0.08		MIN	-0.11		MIN	-0.39
04-04	MAX	3.37	04-20	MAX	1.06	05-04	MAX	0.90	05-20	MAX	0.79	06-04	MAX	0.85
	MIN	1.80		MIN	-0.11		MIN	-0.25		MIN	-0.20		MIN	-0.52
04-05	MAX	3.26	04-21	MAX	0.96	05-05	MAX	0.90	05-21	MAX	0.82	06-05	MAX	0.87
	MIN	1.64		MIN	-0.22		MIN	-0.20		MIN	-0.50		MIN	-0.31
04-06	MAX	3.56	04-22	MAX	1.09	05-06	MAX	1.39	05-22	MAX	0.74	06-06	MAX	0.71
	MIN	1.97		MIN	0.00		MIN	-0.69		MIN	-0.58		MIN	-0.36
04-07	MAX	3.89	04-23	MAX	0.87	05-07	MAX	0.85	05-23	MAX	1.23	06-07	MAX	0.65
	MIN	1.91		MIN	-0.36		MIN	-0.17		MIN	-0.96		MIN	-0.17
04-08	MAX	3.37	04-24	MAX	1.15	05-08	MAX	1.01	05-24	MAX	0.93	06-08	MAX	0.85
	MIN	1.45		MIN	-0.55		MIN	-0.22		MIN	-0.47		MIN	-0.22
04-09	MAX	2.98	04-25	MAX	1.15	05-09	MAX	0.87	05-25	MAX	0.68	06-09	MAX	0.63
	MIN	1.06		MIN	-0.58		MIN	-0.36		MIN	-0.61		MIN	-0.11
04-10	MAX	1.69	04-26	MAX	0.87	05-10	MAX	0.68	05-26	MAX	0.54			
	MIN	0.02		MIN	0.13		MIN	-0.47		MIN	-0.47			
04-11	MAX	1.34	04-27	MAX	0.90	05-11	MAX	0.90	05-27	MAX	0.63			
	MIN	-0.63		MIN	0.19		MIN	-0.31		MIN	-0.33			
04-12	MAX	2.43	04-28	MAX	1.01	05-12	MAX	0.68	05-28	MAX	0.87			
	MIN	-0.39		MIN	-0.11		MIN	-0.36		MIN	-0.31			
04-13	MAX	1.15	04-29	MAX	1.09	05-13	MAX	0.82	05-29	MAX	0.85			
	MIN	-0.28		MIN	-0.14		MIN	-0.36		MIN	-0.36			
04-14	MAX	0.85	04-30	MAX	1.06	05-14	MAX	0.85	05-30	MAX	0.85			
	MIN	-0.31		MIN	0.08		MIN	-0.50		MIN	-0.28			
04-15	MAX	1.12				05-15	MAX	0.74	05-31	MAX	0.87			
	MIN	0.13					MIN	-0.41		MIN	-0.28			
04-16	MAX	1.12				05-16	MAX	0.74						
	MIN	0.02					MIN	-0.25						

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.8 OF TOTAL DEPTH (30 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1986		1986		1986		1986	
10-01	MAX 0.98	10-17	MAX 1.01	11-01	MAX 1.01	11-17	MAX 1.06
	MIN -1.05		MIN -0.80		MIN -1.37		MIN -1.37
10-02	MAX 0.90	10-18	MAX 1.09	11-02	MAX 1.06	11-18	MAX 0.96
	MIN -0.99		MIN -0.69		MIN -1.43		MIN -0.55
10-03	MAX 0.85	10-19	MAX 1.04	11-03	MAX 0.85	11-19	MAX 0.87
	MIN -1.26		MIN -0.80		MIN -0.96		MIN -0.96
10-04	MAX 0.98	10-20	MAX 0.54	11-04	MAX 1.04	11-20	MAX 1.12
	MIN -1.24		MIN -1.54		MIN -2.44		MIN -1.32
10-05	MAX 1.42	10-21	MAX 1.31	11-05	MAX 1.94	11-21	MAX 0.98
	MIN -1.05		MIN -1.37		MIN -1.81		MIN -1.37
10-06	MAX 1.01	10-22	MAX 0.96	11-06	MAX 1.53	11-22	MAX 1.17
	MIN -1.46		MIN -1.78		MIN -0.55		MIN -1.29
10-07	MAX 0.85	10-23	MAX 1.34	11-07	MAX 1.56	11-23	MAX 1.72
	MIN -1.24		MIN -1.81		MIN -0.66		MIN -1.48
10-08	MAX 0.38	10-24	MAX 3.45	11-08	MAX 1.53	11-24	MAX 3.09
	MIN -0.85		MIN -1.48		MIN -0.41		MIN -0.74
10-09	MAX 0.96	10-25	MAX 2.79	11-09	MAX 1.56	11-25	MAX 3.42
	MIN -0.94		MIN -0.50		MIN -0.31		MIN -0.33
10-10	MAX 0.35	10-26	MAX 1.17	11-10	MAX 1.37	11-26	MAX 1.72
	MIN -1.18		MIN -0.36		MIN -0.17		MIN 0.60
10-11	MAX 0.74	10-27	MAX 1.01	11-11	MAX 1.50	11-27	MAX 1.80
	MIN -1.21		MIN -0.80		MIN -0.99		MIN 0.46
10-12	MAX 0.60	10-28	MAX 0.96	11-12	MAX 1.15	11-28	MAX 2.13
	MIN -1.59		MIN -0.66		MIN -0.63		MIN 0.11
10-13	MAX 1.26	10-29	MAX 0.49	11-13	MAX 2.43	11-29	MAX 1.80
	MIN -1.32		MIN -0.69		MIN 0.00		MIN -0.50
10-14	MAX 0.68	10-30	MAX 0.96	11-14	MAX 0.54	11-30	MAX 1.67
	MIN -1.05		MIN -1.07		MIN -0.80		MIN -0.52
10-15	MAX 0.22	10-31	MAX 0.57	11-15	MAX 0.90		
	MIN -1.18		MIN -0.80		MIN -0.99		
10-16	MAX 1.28			11-16	MAX 1.28		
	MIN -0.88				MIN -1.65		

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.8 OF TOTAL DEPTH (30 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1986		1986		1987		1987	
12-01	MAX 1.83	12-17	MAX 1.59	01-01	MAX 1.67	01-17	MAX 3.31
	MIN -0.63		MIN 0.19		MIN -1.65		MIN 1.01
12-02	MAX 2.43	12-18	MAX 2.27	01-02	MAX 1.48	01-18	MAX 2.57
	MIN -0.47		MIN 0.52		MIN -2.22		MIN 0.57
12-03	MAX 2.68	12-19	MAX 1.86	01-03	MAX 3.91	01-19	MAX 3.59
	MIN -1.24		MIN -0.20		MIN -1.13		MIN 0.30
12-04	MAX 2.63	12-20	MAX 1.53	01-04	MAX 1.59	01-20	MAX 3.06
	MIN -0.94		MIN -0.33		MIN -0.50		MIN -0.36
12-05	MAX 1.94	12-21	MAX 1.78	01-05	MAX 1.20	01-21	MAX 3.39
	MIN -2.11		MIN -0.74		MIN -0.33		MIN -0.69
12-06	MAX 1.64	12-22	MAX 1.83	01-06	MAX 2.05	01-22	MAX 3.72
	MIN -0.80		MIN -0.42		MIN -0.22		MIN -0.42
12-07	MAX 2.08	12-23	MAX 2.63	01-07	MAX 2.08	01-23	MAX 4.16
	MIN -0.83		MIN 0.43		MIN -0.06		MIN -2.83
12-08	MAX 1.72	12-24	MAX 2.27	01-08	MAX 2.00	01-24	MAX 3.15
	MIN -1.18		MIN 0.11		MIN -0.39		MIN -1.92
12-09	MAX 2.08	12-25	MAX 2.30	01-09	MAX 2.27	01-25	MAX 3.31
	MIN -1.95		MIN -1.21		MIN -0.58		MIN -1.65
12-10	MAX 2.11	12-26	MAX 2.16	01-10	MAX 2.13	01-26	MAX 2.22
	MIN 0.49		MIN -1.37		MIN -0.11		MIN -2.61
12-11	MAX 2.68	12-27	MAX 2.13	01-11	MAX 1.83	01-27	MAX 3.31
	MIN -0.36		MIN -1.13		MIN -0.42		MIN -2.28
12-12	MAX 2.96	12-28	MAX 1.91	01-12	MAX 1.09	01-28	MAX 2.11
	MIN -0.17		MIN -1.21		MIN -0.28		MIN -1.79
12-13	MAX 1.61	12-29	MAX 2.16	01-13	MAX 1.15	01-29	MAX 1.28
	MIN -0.55		MIN -1.51		MIN -0.47		MIN -1.54
12-14	MAX 1.39	12-30	MAX 2.16	01-14	MAX 2.16	01-30	MAX 1.20
	MIN -0.72		MIN -2.09		MIN -0.63		MIN -2.55
12-15	MAX 1.59	12-31	MAX 1.80	01-15	MAX 1.15	01-31	MAX 1.48
	MIN -0.20		MIN -1.92		MIN -0.52		MIN -1.76
12-16	MAX 3.91			01-16	MAX 3.75		
	MIN 0.98				MIN -0.20		

1987			1987			1987			1987		
02-01	MAX	0.90	02-17	MAX	1.91	03-01	MAX	3.34	03-17	MAX	2.22
	MIN	-0.83		MIN	0.13		MIN	-0.36		MIN	-0.28
02-02	MAX	0.93	02-18	MAX	1.83	03-02	MAX	4.00	03-18	MAX	2.05
	MIN	-0.33		MIN	-0.09		MIN	0.02		MIN	-2.94
02-03	MAX	0.90	02-19	MAX	1.78	03-03	MAX	3.50	03-19	MAX	1.17
	MIN	-0.52		MIN	-0.31		MIN	-0.58		MIN	-0.50
02-04	MAX	0.85	02-20	MAX	1.94	03-04	MAX	3.34	03-20	MAX	1.23
	MIN	-0.47		MIN	-0.36		MIN	-1.51		MIN	-0.39
02-05	MAX	0.71	02-21	MAX	3.34	03-05	MAX	3.64	03-21	MAX	1.26
	MIN	-0.66		MIN	-0.72		MIN	-1.18		MIN	-1.07
02-06	MAX	2.00	02-22	MAX	3.04	03-06	MAX	4.49	03-22	MAX	1.56
	MIN	-0.80		MIN	0.71		MIN	-1.68		MIN	-0.36
02-07	MAX	0.95	02-23	MAX	2.24	03-07	MAX	4.19	03-23	MAX	1.45
	MIN	-0.61		MIN	0.13		MIN	-1.95		MIN	-0.36
02-08	MAX	1.61	02-24	MAX	2.98	03-08	MAX	2.41	03-24	MAX	1.67
	MIN	-0.85		MIN	-0.11		MIN	-0.55		MIN	-1.48
02-09	MAX	2.11	02-25	MAX	3.64	03-09	MAX	3.15	03-25	MAX	1.06
	MIN	-0.74		MIN	0.87		MIN	-0.94		MIN	-1.95
02-10	MAX	0.43	02-26	MAX	4.24	03-10	MAX	1.31	03-26	MAX	1.89
	MIN	-0.74		MIN	0.79		MIN	-0.33		MIN	-2.99
02-11	MAX	1.31	02-27	MAX	2.90	03-11	MAX	1.72	03-27	MAX	2.32
	MIN	-1.57		MIN	0.68		MIN	-0.36		MIN	-0.61
02-12	MAX	4.41	02-28	MAX	3.06	03-12	MAX	1.80	03-28	MAX	2.05
	MIN	-0.83		MIN	0.52		MIN	-0.31		MIN	-1.29
02-13	MAX	0.35				03-13	MAX	1.50	03-29	MAX	2.60
	MIN	-0.58					MIN	-0.03		MIN	-0.80
02-14	MAX	0.98				03-14	MAX	0.98	03-30	MAX	2.02
	MIN	-0.99					MIN	-0.33		MIN	-0.03
02-15	MAX	1.09				03-15	MAX	0.87	03-31	MAX	0.38
	MIN	-1.05					MIN	-0.36		MIN	-0.85
02-16	MAX	3.80				03-16	MAX	0.35			
	MIN	0.16					MIN	-0.36			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.8 OF TOTAL DEPTH (30 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1987		1987		1987		1987	
04-01	MAX 0.84	04-17	MAX 1.53	05-01	MAX 0.27	05-17	MAX 1.09
	MIN -0.63		MIN -1.59		MIN -1.29		MIN -0.39
04-02	MAX 1.64	04-18	MAX 0.30	05-02	MAX 0.24	05-18	MAX 1.28
	MIN -0.36		MIN -0.58		MIN -1.43		MIN -0.17
04-03	MAX 1.86	04-19	MAX 0.60	05-03	MAX 0.35	05-19	MAX 2.00
	MIN -0.36		MIN -0.66		MIN -1.40		MIN -0.94
04-04	MAX 0.35	04-20	MAX 0.21	05-04	MAX 0.13	05-20	MAX ---
	MIN -0.47		MIN -0.72		MIN -1.07		MIN ---
04-05	MAX 0.46	04-21	MAX 0.16	05-05	MAX 0.49	05-21	MAX ---
	MIN -0.58		MIN -0.80		MIN -1.13		MIN ---
04-06	MAX 0.54	04-22	MAX 0.96	05-06	MAX 1.04	05-22	MAX ---
	MIN -0.69		MIN -1.07		MIN -0.94		MIN ---
04-07	MAX 0.32	04-23	MAX 0.13	05-07	MAX 0.30	05-23	MAX ---
	MIN -0.66		MIN -0.80		MIN -0.58		MIN ---
04-08	MAX 0.27	04-24	MAX 0.13	05-08	MAX 0.85	05-24	MAX ---
	MIN -0.53		MIN -1.21		MIN -0.39		MIN ---
04-09	MAX 0.43	04-25	MAX -0.17	05-09	MAX 1.17	05-25	MAX ---
	MIN -0.47		MIN -0.83		MIN -0.72		MIN ---
04-10	MAX 0.30	04-26	MAX -0.09	05-10	MAX 2.49	05-26	MAX ---
	MIN -0.88		MIN -0.96		MIN -0.66		MIN ---
04-11	MAX 0.65	04-27	MAX 0.05	05-11	MAX 0.98	05-27	MAX ---
	MIN -0.61		MIN -1.32		MIN -0.80		MIN ---
04-12	MAX 0.41	04-28	MAX -0.20	05-12	MAX 0.65	05-28	MAX ---
	MIN -0.88		MIN -1.10		MIN -0.66		MIN ---
04-13	MAX 0.24	04-29	MAX -0.09	05-13	MAX 0.27	05-29	MAX ---
	MIN -1.27		MIN -0.88		MIN -0.66		MIN ---
04-14	MAX 0.52	04-30	MAX 0.08	05-14	MAX 0.71	05-30	MAX ---
	MIN -1.43		MIN -1.35		MIN -0.33		MIN ---
04-15	MAX 0.52			05-15	MAX 0.96	05-31	MAX ---
	MIN -0.50				MIN -0.33		MIN ---
04-16	MAX 0.52			05-16	MAX 1.37		
	MIN -0.55				MIN -0.52		

1987			1987			1987			1987		
06-01	MAX	---	06-17	MAX	1.31	07-01	MAX	1.80	07-17	MAX	1.06
	MIN	---		MIN	-0.25		MIN	-0.09		MIN	-0.74
06-02	MAX	0.79	06-18	MAX	1.17	07-02	MAX	1.09	07-18	MAX	0.82
	MIN	-0.11		MIN	-0.14		MIN	-0.28		MIN	-0.69
06-03	MAX	1.01	06-19	MAX	1.23	07-03	MAX	1.48	07-19	MAX	0.60
	MIN	-0.88		MIN	-0.36		MIN	-0.31		MIN	-0.47
06-04	MAX	0.30	06-20	MAX	1.17	07-04	MAX	1.20	07-20	MAX	0.32
	MIN	-0.58		MIN	-0.72		MIN	-0.50		MIN	-0.63
06-05	MAX	1.23	06-21	MAX	0.98	07-05	MAX	0.60	07-21	MAX	0.32
	MIN	-0.50		MIN	-2.83		MIN	-1.10		MIN	-0.63
06-06	MAX	0.96	06-22	MAX	1.45	07-06	MAX	0.63	07-22	MAX	0.60
	MIN	-0.63		MIN	-1.13		MIN	-1.57		MIN	-0.44
06-07	MAX	0.65	06-23	MAX	0.68	07-07	MAX	0.76	07-23	MAX	0.43
	MIN	-0.96		MIN	-1.07		MIN	-1.18		MIN	-0.42
06-08	MAX	0.60	06-24	MAX	1.12	07-08	MAX	2.57	07-24	MAX	0.11
	MIN	-0.80		MIN	-0.77		MIN	-2.03		MIN	-0.55
06-09	MAX	0.79	06-25	MAX	0.93	07-09	MAX	1.34	07-25	MAX	0.30
	MIN	-0.85		MIN	-0.36		MIN	-0.96		MIN	-0.94
06-10	MAX	0.27	06-26	MAX	3.37	07-10	MAX	0.98	07-26	MAX	1.15
	MIN	-2.14		MIN	-0.25		MIN	-1.02		MIN	-0.96
06-11	MAX	1.23	06-27	MAX	0.68	07-11	MAX	0.98	07-27	MAX	0.41
	MIN	-0.61		MIN	-0.22		MIN	-0.88		MIN	-0.55
06-12	MAX	1.09	06-28	MAX	0.63	07-12	MAX	0.87	07-28	MAX	0.11
	MIN	-0.22		MIN	-0.55		MIN	-1.43		MIN	-0.66
06-13	MAX	1.45	06-29	MAX	0.24	07-13	MAX	0.76	07-29	MAX	0.30
	MIN	-0.11		MIN	-0.58		MIN	-0.06		MIN	-0.47
06-14	MAX	3.86	06-30	MAX	2.00	07-14	MAX	0.71	07-30	MAX	0.52
	MIN	0.13		MIN	-0.33		MIN	-0.25		MIN	-0.44
06-15	MAX	1.59				07-15	MAX	0.63	07-31	MAX	2.22
	MIN	-0.17					MIN	-0.47		MIN	-1.05
06-16	MAX	1.83				07-16	MAX	0.68			
	MIN	-0.28					MIN	-1.57			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.8 OF TOTAL DEPTH (30 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1987		1987		1987		1987	
08-01	MAX 0.43	08-17	MAX 0.24	09-01	MAX 0.25	09-17	MAX 0.69
	MIN -0.52		MIN -0.77		MIN -0.93		MIN -0.98
08-02	MAX 0.57	08-18	MAX 0.33	09-02	MAX 0.03	09-18	MAX 1.35
	MIN -0.63		MIN -0.47		MIN -0.79		MIN -0.27
08-03	MAX 0.21	08-19	MAX 0.49	09-03	MAX -0.14	09-19	MAX 1.05
	MIN -0.85		MIN -0.58		MIN -0.77		MIN -0.54
08-04	MAX 0.19	08-20	MAX 0.76	09-04	MAX -0.16	09-20	MAX 1.38
	MIN -0.91		MIN -0.63		MIN -0.96		MIN -0.79
08-05	MAX 0.68	08-21	MAX 0.27	09-05	MAX -0.11	09-21	MAX 0.14
	MIN -0.74		MIN -0.82		MIN -1.40		MIN -0.76
08-06	MAX -0.03	08-22	MAX 0.30	09-06	MAX -0.11	09-22	MAX 0.33
	MIN -0.99		MIN -0.93		MIN -0.96		MIN -0.82
08-07	MAX 0.43	08-23	MAX 0.13	09-07	MAX 0.36	09-23	MAX 0.06
	MIN -0.94		MIN -0.66		MIN -0.88		MIN -0.73
08-08	MAX 0.27	08-24	MAX 0.11	09-08	MAX -0.11	09-24	MAX 0.39
	MIN -0.63		MIN -1.02		MIN -0.93		MIN -0.87
08-09	MAX 0.08	08-25	MAX 0.14	09-09	MAX 0.19	09-25	MAX -0.21
	MIN -0.94		MIN -1.04		MIN -0.98		MIN -0.90
08-10	MAX 0.60	08-26	MAX 0.00	09-10	MAX 0.88	09-26	MAX 0.20
	MIN -1.35		MIN -1.10		MIN -1 29		MIN -1.12
08-11	MAX 0.87	08-27	MAX -0.22	09-11	MAX 0.99	09-27	MAX 0.58
	MIN -0.42		MIN -1.04		MIN -1.12		MIN -1.42
08-12	MAX 1.31	08-28	MAX 0.36	09-12	MAX 1.59	09-28	MAX -0.05
	MIN -0.31		MIN -1.32		MIN -0.87		MIN -1.33
08-13	MAX 0.82	08-29	MAX 0.49	09-13	MAX 0.22	09-29	MAX 2.56
	MIN -0.28		MIN -1.10		MIN -0.98		MIN -0.90
08-14	MAX 0.54	08-30	MAX 0.44	09-14	MAX 0.11	09-30	MAX 1.26
	MIN -0.31		MIN -1.21		MIN -0.74		MIN -1.03
08-15	MAX 0.84	08-31	MAX 0.00	09-15	MAX 0.11		
	MIN -0.47		MIN -1.26		MIN -1.06		
08-16	MAX 0.54			09-16	MAX 0.53		
	MIN -0.96				MIN -1.39		

1987		1987		1987		1987	
10-01	MAX -0.03	10-17	MAX -0.09	11-01	MAX 0.08	11-17	MAX 2.52
	MIN -1.18		MIN -1.40		MIN -1.04		MIN 0.63
10-02	MAX 0.38	10-18	MAX -0.22	11-02	MAX 0.11	11-18	MAX 1.48
	MIN -1.10		MIN -1.02		MIN -1.07		MIN 0.00
10-03	MAX 0.82	10-19	MAX -0.14	11-03	MAX 0.05	11-19	MAX 1.40
	MIN -1.35		MIN -1.07		MIN -1.07		MIN -0.08
10-04	MAX 0.13	10-20	MAX 0.05	11-04	MAX 0.00	11-20	MAX 2.08
	MIN -1.18		MIN -1.24		MIN -1.29		MIN -0.44
10-05	MAX -0.20	10-21	MAX 1.01	11-05	MAX -0.25	11-21	MAX 2.30
	MIN -1.02		MIN -1.10		MIN -1.26		MIN -1.10
10-06	MAX -0.22	10-22	MAX -0.20	11-06	MAX 0.65	11-22	MAX 2.25
	MIN -1.21		MIN -1.51		MIN -0.96		MIN -1.07
10-07	MAX -0.11	10-23	MAX -0.03	11-07	MAX 0.27	11-23	MAX 1.97
	MIN -0.99		MIN -1.13		MIN -1.07		MIN -1.18
10-08	MAX -0.20	10-24	MAX 0.57	11-08	MAX 0.82	11-24	MAX 1.62
	MIN -1.32		MIN -1.02		MIN -1.15		MIN -1.15
10-09	MAX -0.14	10-25	MAX 0.82	11-09	MAX 1.01	11-25	MAX 2.46
	MIN -1.48		MIN -1.15		MIN -1.26		MIN -1.10
10-10	MAX 0.46	10-26	MAX 2.87	11-10	MAX 3.07	11-26	MAX 1.89
	MIN -1.37		MIN -1.29		MIN -0.72		MIN -0.69
10-11	MAX -0.20	10-27	MAX 3.61	11-11	MAX 1.37	11-27	MAX 1.84
	MIN -0.85		MIN -0.52		MIN -0.33		MIN -0.36
10-12	MAX 1.69	10-28	MAX 0.46	11-12	MAX 0.49	11-28	MAX 2.19
	MIN -1.40		MIN -0.52		MIN -0.50		MIN -1.75
10-13	MAX -0.03	10-29	MAX 0.87	11-13	MAX 0.49	11-29	MAX 1.84
	MIN -1.32		MIN -0.63		MIN -0.91		MIN -1.01
10-14	MAX 0.22	10-30	MAX 1.20	11-14	MAX 0.22	11-30	MAX 1.92
	MIN -0.74		MIN -0.80		MIN -0.93		MIN -0.14
10-15	MAX 0.16	10-31	MAX 0.63	11-15	MAX 0.55		
	MIN -0.99		MIN -0.69		MIN -1.45		
10-16	MAX -0.20			11-16	MAX 4.66		
	MIN -1.51				MIN -1.45		

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.8 OF TOTAL DEPTH (30 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1987			1987			1988			1988		
12-01	MAX	1.67	12-17	MAX	3.91	01-01	MAX	2.98	01-17	MAX	---
	MIN	0.16		MIN	-0.06		MIN	0.73		MIN	---
12-02	MAX	1.34	12-18	MAX	4.35	01-02	MAX	---	01-18	MAX	---
	MIN	-0.41		MIN	0.21		MIN	---		MIN	---
12-03	MAX	1.75	12-19	MAX	1.28	01-03	MAX	2.98	01-19	MAX	---
	MIN	-0.03		MIN	-0.94		MIN	0.46		MIN	---
12-04	MAX	2.32	12-20	MAX	4.02	01-04	MAX	3.06	01-20	MAX	---
	MIN	-0.52		MIN	-0.09		MIN	0.92		MIN	---
12-05	MAX	1.59	12-21	MAX	4.76	01-05	MAX	2.13	01-21	MAX	---
	MIN	-0.17		MIN	0.43		MIN	0.87		MIN	---
12-06	MAX	1.20	12-22	MAX	2.93	01-06	MAX	---	01-22	MAX	---
	MIN	-0.58		MIN	0.57		MIN	---		MIN	---
12-07	MAX	4.68	12-23	MAX	2.27	01-07	MAX	---	01-23	MAX	---
	MIN	-0.94		MIN	0.05		MIN	---		MIN	---
12-08	MAX	2.54	12-24	MAX	4.90	01-08	MAX	---	01-24	MAX	---
	MIN	0.76		MIN	0.10		MIN	---		MIN	---
12-09	MAX	3.53	12-25	MAX	2.43	01-09	MAX	---	01-25	MAX	---
	MIN	-2.94		MIN	0.02		MIN	---		MIN	---
12-10	MAX	4.24	12-26	MAX	1.06	01-10	MAX	---	01-26	MAX	---
	MIN	-2.85		MIN	-0.01		MIN	---		MIN	---
12-11	MAX	1.58	12-27	MAX	4.65	01-11	MAX	---	01-27	MAX	---
	MIN	-0.28		MIN	0.24		MIN	---		MIN	---
12-12	MAX	4.98	12-28	MAX	0.90	01-12	MAX	---	01-28	MAX	---
	MIN	-2.11		MIN	0.35		MIN	---		MIN	---
12-13	MAX	2.08	12-29	MAX	5.04	01-13	MAX	---	01-29	MAX	---
	MIN	-0.11		MIN	-2.25		MIN	---		MIN	---
12-14	MAX	4.43	12-30	MAX	5.01	01-14	MAX	---	01-30	MAX	---
	MIN	-1.43		MIN	-0.97		MIN	---		MIN	---
12-15	MAX	4.87	12-31	MAX	4.54	01-15	MAX	---	01-31	MAX	---
	MIN	-0.47		MIN	0.54		MIN	---		MIN	---
12-16	MAX	4.52				01-16	MAX	---			
	MIN	-0.74					MIN	---			

1988			1988			1988			1988		
02-01	MAX	---	02-17	MAX	---	03-01	MAX	1.36	03-17	MAX	1.47
	MIN	---		MIN	---		MIN	-0.80		MIN	-2.28
02-02	MAX	---	02-18	MAX	---	03-02	MAX	1.06	03-18	MAX	2.84
	MIN	---		MIN	---		MIN	-2.09		MIN	-1.24
02-03	MAX	---	02-19	MAX	---	03-03	MAX	2.38	03-19	MAX	3.20
	MIN	---		MIN	---		MIN	-0.53		MIN	-1.60
02-04	MAX	---	02-20	MAX	---	03-04	MAX	4.35	03-20	MAX	3.01
	MIN	---		MIN	---		MIN	-1.87		MIN	-1.90
02-05	MAX	---	02-21	MAX	---	03-05	MAX	1.23	03-21	MAX	1.20
	MIN	---		MIN	---		MIN	-0.47		MIN	-1.27
02-06	MAX	---	02-22	MAX	---	03-06	MAX	1.39	03-22	MAX	5.09
	MIN	---		MIN	---		MIN	0.16		MIN	-2.75
02-07	MAX	---	02-23	MAX	---	03-07	MAX	0.95	03-23	MAX	0.98
	MIN	---		MIN	---		MIN	-0.14		MIN	-1.29
02-08	MAX	---	02-24	MAX	---	03-08	MAX	1.53	03-24	MAX	3.56
	MIN	---		MIN	---		MIN	-0.20		MIN	-1.62
02-09	MAX	---	02-25	MAX	---	03-09	MAX	1.99	03-25	MAX	3.39
	MIN	---		MIN	---		MIN	-0.83		MIN	-0.28
02-10	MAX	---	02-26	MAX	---	03-10	MAX	5.12	03-26	MAX	0.87
	MIN	---		MIN	---		MIN	-2.88		MIN	-0.53
02-11	MAX	---	02-27	MAX	---	03-11	MAX	4.27	03-27	MAX	4.98
	MIN	---		MIN	---		MIN	-2.77		MIN	-1.08
02-12	MAX	---	02-28	MAX	---	03-12	MAX	4.73	03-28	MAX	0.68
	MIN	---		MIN	---		MIN	-2.83		MIN	-1.24
02-13	MAX	---	02-29	MAX	---	03-13	MAX	3.83	03-29	MAX	0.92
	MIN	---		MIN	---		MIN	-2.09		MIN	-0.97
02-14	MAX	---				03-14	MAX	3.03	03-30	MAX	4.10
	MIN	---					MIN	-2.72		MIN	-0.36
02-15	MAX	---				03-15	MAX	4.73	03-31	MAX	2.02
	MIN	---					MIN	-2.99		MIN	-0.53
02-16	MAX	---				03-16	MAX	3.45			
	MIN	---					MIN	-1.84			

TABLE 1D.--LOWER CALCASIEU RIVER AT I-10 BRIDGE AT LAKE CHARLES, LOUISIANA, DAILY VELOCITY DATA, OCTOBER 1986 TO JULY 1988--CONTINUED

DAILY VELOCITY, FEET PER SECOND, SENSOR LOCATED APPROXIMATELY 0.8 OF TOTAL DEPTH (30 FEET BELOW WATER SURFACE), OCTOBER 1986 TO JULY 1988

1988			1988			1988			1988		
04-01	MAX	1.17	04-17	MAX	-0.01	05-01	MAX	0.51	05-17	MAX	0.13
	MIN	-0.61		MIN	-1.65		MIN	-0.88		MIN	-0.64
04-02	MAX	1.55	04-18	MAX	0.38	05-02	MAX	0.46	05-18	MAX	-0.09
	MIN	-0.12		MIN	-1.05		MIN	-1.76		MIN	-0.36
04-03	MAX	1.47	04-19	MAX	0.60	05-03	MAX	0.32	05-19	MAX	-0.06
	MIN	-0.88		MIN	-0.34		MIN	-0.86		MIN	-0.43
04-04	MAX	1.42	04-20	MAX	0.32	05-04	MAX	0.84	05-20	MAX	0.10
	MIN	-1.71		MIN	-0.53		MIN	-0.58		MIN	-0.34
04-05	MAX	1.50	04-21	MAX	2.82	05-05	MAX	0.32	05-21	MAX	1.17
	MIN	-1.16		MIN	-0.75		MIN	-0.53		MIN	-0.47
04-06	MAX	2.19	04-22	MAX	1.28	05-06	MAX	2.40	05-22	MAX	1.34
	MIN	-2.23		MIN	-0.75		MIN	-1.76		MIN	0.38
04-07	MAX	2.21	04-23	MAX	4.13	05-07	MAX	0.40	05-23	MAX	0.95
	MIN	-1.82		MIN	-0.47		MIN	-0.99		MIN	-0.23
04-08	MAX	2.54	04-24	MAX	3.83	05-08	MAX	0.10	05-24	MAX	0.71
	MIN	-2.36		MIN	-0.55		MIN	-1.35		MIN	-0.36
04-09	MAX	1.55	04-25	MAX	0.13	05-09	MAX	0.35	05-25	MAX	0.62
	MIN	-2.12		MIN	-1.16		MIN	-0.77		MIN	-0.36
04-10	MAX	1.17	04-26	MAX	0.46	05-10	MAX	0.60	05-26	MAX	-0.17
	MIN	-0.69		MIN	-0.66		MIN	-1.02		MIN	-0.36
04-11	MAX	0.54	04-27	MAX	0.13	05-11	MAX	0.27	05-27	MAX	0.38
	MIN	-0.83		MIN	-0.61		MIN	-0.66		MIN	-0.34
04-12	MAX	3.86	04-28	MAX	0.54	05-12	MAX	0.02	05-28	MAX	0.40
	MIN	-2.14		MIN	-0.80		MIN	-0.91		MIN	-0.36
04-13	MAX	1.06	04-29	MAX	0.71	05-13	MAX	0.05	05-29	MAX	0.13
	MIN	-0.39		MIN	-1.46		MIN	-0.72		MIN	-0.36
04-14	MAX	1.14	04-30	MAX	0.40	05-14	MAX	0.62	05-30	MAX	0.27
	MIN	-0.47		MIN	-1.79		MIN	-0.61		MIN	-0.36
04-15	MAX	1.91				05-15	MAX	-0.17	05-31	MAX	-0.01
	MIN	-0.72					MIN	-0.55		MIN	-0.36
04-16	MAX	0.79				05-16	MAX	-0.12			
	MIN	-0.77					MIN	-0.50			

1988			1988			1988		
06-01	MAX	---	06-17	MAX	---	07-01	MAX	---
	MIN	---		MIN	---		MIN	---
06-02	MAX	---	06-18	MAX	---	07-02	MAX	---
	MIN	---		MIN	---		MIN	---
06-03	MAX	---	06-19	MAX	---	07-03	MAX	---
	MIN	---		MIN	---		MIN	---
06-04	MAX	---	06-20	MAX	---	07-04	MAX	---
	MIN	---		MIN	---		MIN	---
06-05	MAX	---	06-21	MAX	---	07-05	MAX	---
	MIN	---		MIN	---		MIN	---
06-06	MAX	---	06-22	MAX	---	07-06	MAX	---
	MIN	---		MIN	---		MIN	---
06-07	MAX	---	06-23	MAX	---	07-07	MAX	---
	MIN	---		MIN	---		MIN	---
06-08	MAX	---	06-24	MAX	---	07-08	MAX	---
	MIN	---		MIN	---		MIN	---
06-09	MAX	---	06-25	MAX	---	07-09	MAX	---
	MIN	---		MIN	---		MIN	---
06-10	MAX	---	06-26	MAX	---	07-10	MAX	1.14
	MIN	---		MIN	---		MIN	-0.36
06-11	MAX	---	06-27	MAX	---	07-11	MAX	0.84
	MIN	---		MIN	---		MIN	-0.25
06-12	MAX	---	06-28	MAX	---	07-12	MAX	0.68
	MIN	---		MIN	---		MIN	-0.34
06-13	MAX	---	06-29	MAX	---	07-13	MAX	0.32
	MIN	---		MIN	---		MIN	-0.36
06-14	MAX	---	06-30	MAX	---			
	MIN	---		MIN	---			
06-15	MAX	---						
	MIN	---						
06-16	MAX	---						
	MIN	---						

TABLE 2A.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY GAGE HEIGHT DATA, SEPTEMBER 1986 TO JULY 1988

GAGE HEIGHT, FEET, SEPTEMBER 1986

DAY	MAX	MIN	DAY	MAX	MIN
		SEPTEMBER			
1	---	---	16	6.62	5.66
2	---	---	17	6.82	5.72
3	---	---	18	6.88	6.08
4	---	---	19	6.66	6.08
5	---	---	20	6.78	6.18
6	---	---	21	6.72	5.94
7	---	---	22	6.76	6.02
8	---	---	23	6.84	5.98
9	---	---	24	7.06	6.26
10	6.82	5.96	25	7.36	6.30
11	7.14	5.96	26	7.16	6.02
12	6.84	5.32	27	6.94	5.88
13	6.56	5.32	28	7.06	6.06
14	6.66	5.58	29	7.22	6.22
15	6.78	5.64	30	7.22	6.32

GAGE HEIGHT, FEET, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.16	6.34	6.72	5.66	7.44	6.28	6.74	5.48	6.74	5.52	6.50	5.76
2	7.22	6.42	6.88	5.94	7.12	5.36	7.00	5.30	6.18	5.44	6.54	5.74
3	7.48	6.82	7.10	5.90	6.56	4.88	7.38	5.78	6.08	5.30	6.38	5.96
4	7.08	6.50	7.40	6.42	6.62	5.44	5.74	3.98	6.44	5.42	6.32	5.62
5	6.90	6.10	7.38	5.50	6.60	5.54	6.40	5.02	6.58	5.66	6.72	5.60
6	6.76	5.58	6.68	5.46	6.62	5.68	6.48	5.96	6.12	5.40	6.84	5.78
7	6.66	5.64	7.04	6.02	6.74	5.96	6.50	5.76	5.78	4.22	7.04	6.12
8	6.96	6.00	7.02	5.90	6.70	5.98	6.36	5.26	5.82	3.92	6.62	6.02
9	7.24	5.90	6.84	5.54	6.80	5.86	6.66	5.88	6.00	4.34	6.56	5.46
10	6.62	5.66	6.50	6.04	5.86	5.02	6.20	4.98	6.08	4.86	6.22	5.24
11	7.12	6.08	6.80	5.68	6.38	5.28	5.64	4.26	6.06	4.80	6.10	5.02
12	7.08	6.02	6.36	5.62	6.04	5.06	5.78	4.32	6.06	4.90	6.24	5.22
13	6.62	5.50	5.60	4.40	6.46	4.86	5.98	4.74	5.92	4.78	6.36	5.16
14	6.48	5.52	6.54	5.24	6.54	5.68	6.78	5.26	6.32	5.34	6.58	5.92
15	6.44	5.80	6.78	5.64	6.90	5.72	6.84	5.44	6.90	6.04	6.68	5.94
16	6.52	5.64	6.90	6.06	6.78	5.38	6.70	5.74	5.92	4.86	7.22	6.08
17	6.68	5.90	6.86	5.70	6.58	5.56	7.02	5.88	5.78	4.98	8.22	6.98
18	6.54	5.56	6.84	5.74	6.58	5.48	7.14	6.20	5.58	4.86	7.62	6.68
19	6.62	5.56	6.78	5.44	6.52	5.42	6.18	4.98	6.10	4.94	7.24	6.40
20	6.88	5.98	6.98	5.58	6.58	5.56	6.10	5.66	6.36	5.40	7.24	5.84
21	7.08	6.12	6.38	5.60	6.56	5.64	6.64	5.70	6.26	4.92	7.20	6.26
22	7.28	6.44	7.10	6.08	7.26	6.48	6.60	5.26	6.12	5.24	7.52	6.06
23	7.38	6.70	7.04	5.96	7.64	6.10	6.58	4.78	6.70	4.56	7.66	6.64
24	7.72	5.98	7.12	6.22	6.50	5.80	6.70	5.46	6.80	5.66	7.18	6.28
25	6.46	5.44	7.56	6.28	6.64	6.02	6.48	5.14	6.70	5.64	7.04	5.80
26	6.56	4.86	6.72	5.70	6.68	5.92	6.20	4.48	---	---	7.06	6.04
27	6.66	5.78	6.60	5.88	6.80	5.88	6.34	4.96	7.20	6.50	7.04	6.08
28	6.62	5.72	6.80	6.08	6.82	5.42	6.30	5.00	7.84	6.44	6.90	6.20
29	6.50	5.78	7.06	6.04	6.84	5.62	6.38	5.20	---	---	6.82	5.38
30	6.52	5.88	7.28	6.12	6.78	5.36	6.30	4.98	---	---	5.48	4.02
31	6.74	6.04	---	---	6.78	5.54	6.36	5.14	---	---	5.64	3.70

TABLE 2A.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY GAGE HEIGHT DATA, SEPTEMBER 1986 TO JULY 1988--CONTINUED

GAGE HEIGHT, FEET, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.16	4.54	6.14	4.64	6.86	5.80	6.84	5.72	6.02	5.42	6.00	5.20
2	6.16	4.88	6.52	5.04	6.76	5.80	6.60	5.68	5.96	5.14	6.48	5.24
3	5.64	4.10	6.70	5.62	6.58	5.58	6.54	5.64	6.04	5.16	6.44	5.18
4	6.08	4.54	6.56	5.44	6.12	5.34	6.62	5.76	6.20	4.98	6.38	5.22
5	6.28	4.94	6.28	5.22	6.12	5.20	6.40	5.62	6.34	4.90	6.72	5.22
6	6.00	4.76	5.92	5.12	6.26	5.62	6.64	5.56	6.38	4.96	6.96	5.48
7	5.92	4.54	5.94	4.80	6.72	5.86	6.72	5.62	6.44	4.96	6.42	5.50
8	5.74	4.68	5.84	5.06	7.02	6.10	7.20	5.86	6.68	5.08	6.40	5.38
9	5.80	4.62	6.06	5.28	7.24	6.08	6.84	5.78	6.72	5.34	6.20	5.26
10	6.02	5.04	5.92	5.20	7.34	5.86	6.92	5.64	7.04	6.02	5.98	5.36
11	6.12	5.30	6.10	5.12	7.40	5.90	6.96	5.70	6.28	5.60	6.04	5.26
12	6.42	5.78	6.24	5.14	7.16	5.94	6.74	5.72	6.04	5.26	5.84	5.08
13	7.00	5.80	6.38	5.14	7.08	5.76	6.58	5.60	6.02	5.36	6.00	4.82
14	6.22	5.26	6.34	4.98	6.66	5.38	6.30	4.52	6.06	5.12	6.10	5.14
15	5.98	4.76	6.14	4.82	6.66	5.44	6.18	3.64	6.06	4.60	6.14	5.18
16	5.72	4.56	6.10	4.44	6.52	5.48	6.12	3.30	6.26	5.02	6.58	4.70
17	6.30	4.58	6.42	4.72	6.60	5.58	6.18	5.48	6.16	4.84	6.42	4.72
18	6.22	4.88	6.36	4.98	6.38	5.76	6.44	5.44	6.14	4.84	6.50	5.10
19	6.22	4.84	6.40	4.96	6.36	5.76	6.34	5.48	5.94	4.86	5.98	4.74
20	6.24	4.78	6.38	5.42	6.54	5.80	6.74	5.70	6.00	4.92	6.24	4.54
21	6.00	4.70	6.34	5.58	6.70	5.58	6.46	4.18	6.06	4.78	6.56	5.30
22	5.56	4.18	6.14	5.38	6.58	5.60	6.52	5.46	5.98	4.88	6.02	5.66
23	5.60	4.58	6.20	5.26	6.64	5.50	6.72	5.40	6.20	4.76	6.40	5.36
24	5.68	4.68	6.30	5.42	6.60	5.34	7.06	5.64	6.32	5.06	6.40	5.66
25	5.58	4.80	6.70	5.50	6.26	5.30	6.90	5.76	6.34	5.42	6.40	5.56
26	5.62	4.84	7.04	5.46	6.22	4.90	6.90	5.66	6.24	5.60	6.48	5.56
27	5.74	4.64	7.32	5.96	6.14	4.70	6.46	5.52	6.02	5.52	6.54	5.68
28	5.64	4.54	7.42	6.14	6.58	5.12	6.26	5.40	6.06	5.30	6.88	5.14
29	5.82	4.28	7.30	6.32	6.78	5.64	6.16	5.44	5.84	5.18	5.98	4.76
30	5.88	4.60	6.94	5.98	6.88	5.66	6.12	5.40	5.86	5.10	6.04	4.74
31	---	---	6.88	5.70	---	---	5.96	5.42	6.14	4.78	---	---

GAGE HEIGHT, FEET, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.22	5.18	6.36	5.58	7.72	7.72	6.12	4.76	7.00	5.88	6.24	4.92
2	6.46	5.22	6.28	5.62	7.74	7.72	6.06	4.48	6.94	6.04	7.10	5.66
3	6.10	4.54	6.38	5.48	7.72	5.14	6.34	5.50	6.58	5.74	6.82	5.80
4	6.22	4.54	6.56	5.40	6.18	4.74	6.10	4.82	6.36	5.10	5.96	5.12
5	6.32	5.32	6.38	5.32	6.76	5.08	6.08	4.96	5.68	5.06	6.38	5.48
6	6.00	5.20	6.52	5.18	7.28	5.84	6.86	5.28	6.04	5.30	6.22	5.70
7	5.94	4.70	6.82	5.70	7.22	5.78	6.92	5.36	6.38	5.84	6.32	5.48
8	6.18	4.88	6.98	5.70	6.70	5.70	5.90	4.92	6.22	5.60	6.72	5.60
9	6.50	5.42	7.20	5.72	6.88	5.62	6.12	5.52	6.08	5.62	6.08	5.68
10	6.34	5.06	6.18	3.86	6.70	5.72	5.86	5.28	6.54	5.30	6.40	5.08
11	6.30	4.98	5.38	4.40	6.54	5.64	6.26	5.32	6.34	4.72	7.14	5.34
12	5.84	4.48	5.94	4.94	6.46	5.52	6.22	5.56	5.76	3.86	6.80	5.88
13	6.16	4.98	5.96	4.74	6.76	6.08	5.80	4.60	6.00	4.42	6.22	4.78
14	6.26	5.30	6.10	5.58	6.90	6.32	6.32	4.62	6.36	4.98	5.76	4.38
15	6.48	5.40	7.40	5.98	6.26	4.80	6.38	5.18	6.26	4.74	5.92	4.42
16	6.38	5.50	8.06	6.98	5.78	4.46	6.96	5.38	6.36	4.76	6.10	4.88
17	6.34	5.06	7.02	6.02	---	---	6.92	5.64	6.90	5.64	6.66	6.00
18	5.96	5.20	6.94	5.84	6.66	5.14	6.84	5.34	7.18	6.24	6.38	3.86
19	6.18	5.20	6.86	6.00	6.82	5.66	7.16	6.06	6.64	5.70	5.08	3.78
20	6.18	5.50	7.72	5.52	6.48	5.16	7.04	5.38	6.32	5.40	5.58	4.18
21	5.74	4.28	7.72	7.72	6.56	5.10	5.90	4.96	5.88	5.38	5.70	4.40
22	6.58	5.58	7.72	7.70	6.68	5.30	5.94	4.94	6.52	5.14	5.74	4.44
23	6.68	5.78	7.72	7.70	6.72	5.74	5.92	5.26	6.32	5.22	6.32	4.56
24	6.86	6.04	7.72	7.70	6.86	6.00	6.26	5.40	6.14	4.70	6.56	5.30
25	6.88	5.26	7.72	7.70	6.86	6.06	5.28	4.14	6.42	5.04	6.50	5.40
26	6.82	5.70	7.72	7.70	6.78	5.94	5.52	3.84	6.18	5.04	6.12	5.10
27	6.52	4.78	7.72	7.72	6.48	5.54	5.56	3.90	6.06	4.82	6.32	4.90
28	6.24	5.10	7.74	7.72	5.76	4.86	5.88	4.38	6.06	4.72	6.52	5.56
29	6.56	5.02	7.74	7.72	5.48	3.74	6.30	4.82	6.08	4.96	6.52	5.70
30	6.54	5.26	7.72	7.70	6.48	4.96	6.58	5.54	---	---	6.02	5.34
31	6.48	5.44	---	---	6.50	5.56	6.62	5.42	---	---	---	---

TABLE 2A.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY GAGE HEIGHT DATA, SEPTEMBER 1986 TO JULY 1988--CONTINUED

GAGE HEIGHT, FEET, OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY	
1	---	---	6.92	5.10	6.72	5.58	6.48	5.14
2	---	---	7.08	5.76	6.58	5.24	6.32	5.10
3	---	---	7.04	5.92	6.50	5.16	6.20	5.16
4	---	---	6.26	3.36	6.80	5.06	6.22	5.24
5	---	---	6.20	4.48	6.32	5.28	6.18	5.32
6	6.00	5.26	6.36	4.84	6.42	5.26	6.38	5.82
7	---	---	6.48	5.00	6.12	5.32	6.80	5.92
8	6.28	4.94	6.84	5.64	6.24	5.46	6.86	6.00
9	6.20	5.08	6.60	5.66	6.30	5.14	7.04	5.88
10	5.82	4.78	6.26	5.18	6.18	4.68	7.16	5.68
11	4.94	3.56	6.12	5.24	6.16	4.76	6.82	5.66
12	4.46	3.54	6.02	5.22	6.42	5.06	6.92	5.64
13	5.40	4.14	6.28	5.02	6.78	5.16	6.76	5.72
14	5.60	4.84	6.04	4.84	6.78	5.64	6.54	5.56
15	5.82	4.84	6.04	4.74	6.60	5.52		
16	6.12	4.94	6.06	4.74	6.46	5.22		
17	7.00	5.32	6.00	4.66	6.26	5.16		
18	6.78	5.88	5.86	4.56	6.08	4.98		
19	5.96	5.02	6.16	4.52	6.12	5.08		
20	7.18	4.80	6.26	4.86	6.28	5.20		
21	6.70	5.34	6.52	5.20	6.24	5.60		
22	6.62	5.68	6.56	5.48	6.42	5.74		
23	6.52	5.44	5.78	5.26	6.20	5.74		
24	6.30	4.92	5.78	5.02	6.74	5.90		
25	6.32	5.40	5.60	4.88	7.30	5.76		
26	6.14	4.98	6.10	5.12	6.56	5.26		
27	5.80	4.98	6.32	5.42	6.40	5.06		
28	6.44	5.30	6.52	5.44	6.26	4.96		
29	7.28	6.06	6.72	5.58	6.44	4.86		
30	7.34	6.22	6.92	5.66	6.54	5.04		
31	---	---	6.90	5.64	---	---		

TABLE 2B.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY WATER TEMPERATURE DATA, SEPTEMBER 1986 TO JULY 1988

WATER TEMPERATURE, DEGREES CELSIUS, SEPTEMBER 1986

DAY	MAX	MIN	DAY	MAX	MIN
			SEPTEMBER		
1	---	---	16	30.3	29.6
2	---	---	17	30.4	29.0
3	---	---	18	30.4	29.4
4	---	---	19	29.8	29.0
5	---	---	20	29.3	28.6
6	---	---	21	29.4	28.5
7	---	---	22	28.8	28.1
8	---	---	23	29.7	27.6
9	---	---	24	29.4	28.5
10	29.9	25.2	25	29.2	28.5
11	29.6	25.4	26	29.6	28.5
12	30.1	25.5	27	30.5	28.8
13	30.7	29.3	28	29.8	29.2
14	30.7	28.5	29	29.6	28.9
15	30.2	29.3	30	29.4	29.0

TABLE 2B.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY WATER TEMPERATURE DATA, SEPTEMBER 1986 TO JULY 1988--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	29.4	28.8	22.2	21.5	15.1	14.6	---	---	14.0	12.6	15.4	14.6
2	---	---	22.2	21.8	14.7	14.2	---	---	15.0	13.5	15.8	14.8
3	29.1	25.0	22.4	21.3	14.4	13.7	---	---	15.2	14.1	16.3	15.2
4	29.7	28.5	22.2	21.4	14.1	13.3	---	---	15.0	14.3	16.6	15.3
5	30.2	25.2	22.2	20.5	13.5	12.9	---	---	15.5	14.0	16.6	15.3
6	29.5	25.0	21.2	19.5	13.4	12.5	---	---	14.8	14.2	16.9	15.4
7	28.0	27.0	21.3	19.7	13.4	12.8	11.3	10.7	14.5	13.5	16.2	15.7
8	26.6	25.9	22.7	21.4	---	---	11.4	11.1	14.8	13.4	16.1	15.4
9	26.4	25.2	23.4	22.2	---	---	12.0	11.1	14.5	12.8	---	---
10	26.4	25.1	22.7	21.8	---	---	11.6	10.6	14.2	12.6	16.4	15.7
11	26.3	25.0	22.2	20.6	18.8	16.1	10.6	9.8	14.7	13.5	15.7	14.6
12	25.9	25.0	20.5	18.9	16.7	15.8	10.5	9.4	16.2	14.2	15.6	13.9
13	25.4	22.4	18.9	15.7	16.4	14.3	10.6	10.1	16.7	15.1	15.4	14.0
14	23.2	20.7	16.6	14.8	14.8	13.9	11.3	10.4	17.1	15.7	16.0	14.5
15	23.0	21.7	15.8	14.6	14.4	13.7	11.8	11.2	17.6	16.9	17.2	15.5
16	22.3	21.0	16.7	15.3	15.8	14.1	12.5	11.7	17.0	15.7	18.6	16.3
17	22.7	21.3	18.2	16.6	15.1	14.0	12.5	12.0	15.5	14.2	18.5	17.9
18	23.0	21.4	19.3	17.7	15.5	13.7	12.1	11.5	14.8	13.4	18.0	17.3
19	22.8	21.3	19.9	18.6	13.6	12.0	11.5	11.1	14.1	12.5	18.8	17.1
20	22.4	21.0	20.8	18.8	12.4	11.7	11.0	10.4	13.3	12.4	19.9	17.8
21	22.0	20.9	20.0	19.2	11.8	10.8	10.3	9.2	13.0	12.4	19.3	18.3
22	21.7	20.6	20.1	18.7	10.7	7.9	9.2	8.4	13.3	12.3	20.3	18.8
23	21.4	21.2	20.6	19.8	11.6	7.9	8.9	8.0	13.2	12.5	20.1	19.3
24	21.6	21.0	20.4	19.4	10.7	7.4	9.1	8.3	12.8	12.2	---	---
25	22.1	20.8	19.5	18.6	10.0	8.7	9.2	8.6	12.6	12.1	19.1	18.1
26	22.3	20.9	18.5	17.4	9.5	8.9	9.6	8.6	13.0	12.5	19.1	18.1
27	22.5	21.1	17.4	16.2	9.8	8.7	9.6	8.7	13.7	12.6	19.1	18.2
28	22.2	21.0	16.2	15.1	---	---	10.8	9.5	14.8	13.6	19.8	18.2
29	22.6	21.0	15.1	14.6	---	---	12.8	10.4	---	---	19.5	17.2
30	22.4	21.1	14.8	14.4	---	---	13.5	12.2	---	---	16.8	15.2
31	22.6	21.3	---	---	---	---	13.9	11.6	---	---	15.6	13.2

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	16.5	13.0	24.4	23.8	28.4	27.4	28.3	27.0	32.4	30.6	29.5	28.1
2	16.9	15.2	24.9	23.8	28.7	27.8	27.3	26.4	32.6	30.6	29.4	28.0
3	16.7	14.6	24.7	23.9	29.1	28.1	27.6	26.3	32.4	31.2	29.7	27.8
4	17.0	14.7	23.8	23.1	28.8	27.8	27.6	26.7	32.1	31.2	29.9	28.1
5	15.9	14.9	24.3	23.5	28.5	26.9	28.7	27.4	32.3	31.1	29.9	28.6
6	15.9	15.2	24.1	23.6	28.9	26.6	28.8	27.7	32.2	30.8	29.7	28.9
7	---	---	23.6	23.1	---	---	28.5	27.5	31.8	31.0	29.8	28.9
8	---	---	24.3	23.1	---	---	28.0	27.5	31.8	30.7	30.6	29.0
9	17.3	16.3	24.6	23.3	---	---	27.9	27.2	31.6	30.3	30.2	29.1
10	18.6	16.7	24.8	23.6	---	---	28.9	27.3	30.7	29.7	29.9	28.9
11	19.0	18.0	25.4	24.2	---	---	29.6	27.8	30.6	29.5	29.7	28.9
12	20.8	18.9	25.9	25.0	---	---	30.5	28.2	30.8	29.4	30.1	28.6
13	21.3	20.0	26.5	24.6	---	---	30.3	28.7	31.1	29.6	29.8	28.4
14	20.6	19.5	27.0	25.3	---	---	30.2	28.8	31.5	30.0	30.4	28.4
15	20.1	19.1	27.8	26.0	---	---	30.0	28.7	31.9	30.2	30.2	29.3
16	20.7	19.3	27.1	25.8	---	---	29.9	28.8	32.0	30.9	29.9	28.0
17	21.2	19.9	27.1	26.2	27.7	26.6	30.4	28.6	32.3	30.9	29.1	27.9
18	21.8	20.5	27.6	26.5	27.0	26.5	31.3	29.6	32.2	31.1	29.4	28.7
19	22.2	21.2	27.4	26.9	27.3	26.4	31.2	29.7	33.0	31.1	29.7	28.4
20	22.5	21.7	27.6	26.9	27.9	26.7	30.1	29.0	32.9	31.2	29.1	27.6
21	23.4	22.1	28.5	27.1	28.2	27.0	30.2	28.6	33.5	31.6	28.3	26.9
22	23.2	22.0	29.0	27.4	28.8	27.3	30.9	29.4	32.9	31.3	27.9	26.9
23	23.8	21.8	28.3	27.5	29.4	27.7	30.7	29.8	32.7	31.6	27.1	25.7
24	23.8	21.7	28.9	27.6	29.8	28.2	31.0	29.7	32.3	31.4	28.2	25.8
25	23.4	21.1	28.3	27.8	29.2	27.9	31.7	30.2	32.1	31.1	27.5	26.0
26	23.6	21.5	28.3	27.6	29.9	28.3	31.4	29.8	31.9	31.1	27.3	26.1
27	24.1	22.0	28.2	27.4	29.7	28.2	31.2	29.5	32.1	30.8	26.7	25.7
28	24.8	22.7	28.3	27.2	29.7	28.0	31.1	29.9	33.0	30.8	26.3	25.7
29	24.6	23.5	28.1	27.3	29.7	28.2	31.8	30.4	31.7	30.4	26.2	25.5
30	24.7	23.5	29.4	27.3	29.3	28.1	32.1	30.3	31.1	29.5	25.9	24.7
31	---	---	28.2	27.5	---	---	32.4	30.6	30.4	28.7	---	---

TABLE 2B.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY WATER TEMPERATURE DATA, SEPTEMBER 1986 TO JULY 1988--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1987 TO SEPTEMBER 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	21.8	20.5	14.4	13.8	14.0	12.5	14.9	13.7	16.9	15.4
2	---	---	21.7	20.8	14.2	13.4	12.5	10.8	15.0	13.9	---	---
3	---	---	21.9	21.0	14.7	13.7	11.3	10.4	16.1	15.1	17.7	16.2
4	---	---	22.0	21.1	15.1	14.3	10.7	9.4	16.3	15.0	16.7	15.1
5	---	---	22.0	20.9	15.0	14.1	9.9	9.1	14.9	13.5	16.5	15.0
6	---	---	20.8	19.1	15.5	14.4	9.3	8.2	13.4	12.2	17.3	15.5
7	---	---	20.5	18.7	15.5	14.9	8.9	7.6	12.1	10.7	17.2	16.1
8	---	---	20.5	19.5	15.0	14.5	7.7	6.8	10.6	9.7	17.3	17.0
9	---	---	20.4	19.9	15.1	14.4	7.5	6.7	10.6	9.3	17.5	16.6
10	---	---	19.9	17.8	15.3	14.4	7.0	6.1	9.9	9.5	17.4	16.3
11	---	---	17.8	16.8	16.0	14.9	7.1	5.7	9.9	8.7	17.4	16.7
12	---	---	17.3	15.8	16.1	15.4	7.4	6.4	8.9	7.8	18.3	17.3
13	---	---	17.5	15.8	16.3	15.2	8.2	7.2	9.9	8.5	17.9	16.8
14	---	---	17.3	15.9	17.2	16.0	7.2	6.1	10.5	9.7	16.6	15.3
15	---	---	17.9	16.9	16.5	14.3	7.7	6.3	11.4	10.3	16.5	14.9
16	---	---	19.2	17.4	14.2	13.3	8.3	7.2	11.0	9.9	15.9	14.9
17	---	---	19.3	18.4	13.8	12.1	9.7	7.9	12.1	10.9	15.5	14.9
18	---	---	18.4	17.6	13.3	12.2	10.6	9.3	12.5	11.6	15.1	13.5
19	---	---	17.5	16.7	13.9	13.0	12.4	10.0	12.5	11.8	14.8	13.5
20	---	---	16.8	16.2	14.7	13.9	11.9	10.6	13.1	11.6	15.2	13.2
21	---	---	16.2	15.6	14.4	13.8	10.8	10.0	13.3	12.2	15.5	13.4
22	---	---	15.8	15.2	14.0	13.7	10.9	9.3	14.0	12.8	15.9	15.0
23	---	---	16.2	15.4	14.5	13.6	10.8	9.5	14.9	13.6	16.4	15.4
24	---	---	16.7	15.8	16.1	14.5	11.6	10.5	14.5	13.6	16.8	16.1
25	---	---	17.0	16.2	17.4	15.9	10.9	10.1	14.5	13.0	18.0	16.5
26	---	---	16.4	15.9	17.5	16.9	10.4	9.3	14.5	13.6	20.1	17.7
27	---	---	16.0	15.3	17.4	15.7	10.4	9.5	15.1	14.2	19.4	18.0
28	21.2	19.7	15.4	14.8	15.6	14.7	10.8	9.9	15.4	14.5	19.9	18.5
29	20.8	19.5	15.1	14.6	14.6	13.5	11.4	10.3	15.6	14.9	20.6	19.5
30	21.1	19.7	14.9	14.2	13.4	12.9	12.8	11.2	---	---	19.7	18.3
31	21.5	20.1	---	---	14.0	13.0	14.0	12.4	---	---	18.9	18.2

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY	
1	19.1	18.3	22.5	20.5	27.0	26.0	30.6	29.6
2	19.7	18.9	22.7	21.4	27.3	26.4	31.3	29.9
3	20.4	18.8	23.1	22.0	27.0	26.4	31.4	30.0
4	20.2	19.2	24.5	23.0	26.5	25.7	30.6	29.9
5	20.6	19.9	25.2	23.2	26.8	25.1	30.0	29.1
6	20.9	20.1	24.7	23.4	27.5	25.4	29.2	28.1
7	21.3	19.8	24.0	23.4	28.5	26.0	28.9	27.6
8	21.0	20.0	23.6	23.3	28.2	26.4	28.5	27.1
9	21.6	20.1	23.9	23.3	28.4	27.1	28.4	26.9
10	20.9	19.4	25.6	23.7	28.4	27.3	29.0	27.4
11	19.1	17.6	26.3	24.7	28.2	25.9	29.7	28.2
12	18.7	17.1	25.7	24.4	28.6	26.6	29.6	28.7
13	19.4	17.9	25.9	24.1	28.1	26.6	29.7	28.9
14	20.0	18.7	26.5	24.8	28.3	26.8	30.6	29.3
15	21.0	18.9	26.2	25.1	28.6	27.4		
16	21.5	19.7	26.5	25.4	28.3	27.5		
17	21.7	20.4	26.9	25.7	28.7	27.7		
18	22.0	21.1	27.7	25.8	29.2	27.8		
19	22.4	20.7	27.0	26.2	28.9	28.1		
20	21.7	20.5	26.7	26.2	29.2	27.7		
21	21.6	21.1	26.9	25.9	29.2	28.2		
22	22.7	21.6	26.3	25.3	29.9	28.2		
23	23.7	22.3	25.6	24.4	30.1	28.1		
24	24.9	22.8	26.2	24.6	29.0	27.7		
25	24.9	23.3	26.2	24.5	28.9	27.7		
26	24.1	22.7	25.9	23.9	29.2	28.3		
27	25.0	22.9	25.6	23.9	30.7	28.6		
28	23.6	22.0	25.5	24.6	30.7	29.2		
29	23.2	21.1	26.2	24.5	---	---		
30	21.9	20.2	26.3	25.1	30.5	29.5		
31	---	---	26.8	25.5	---	---		

TABLE 2C.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY SPECIFIC CONDUCTANCE DATA, SEPTEMBER 1986 TO JULY 1988

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, SEPTEMBER 1986

DAY	MAX	MIN	DAY	MAX	MIN
		SEPTEMBER			
1	---	---	16	28800	26500
2	---	---	17	28700	24900
3	---	---	18	29000	27000
4	---	---	19	28500	26600
5	---	---	20	28300	26600
6	---	---	21	28100	26300
7	---	---	22	28300	26000
8	---	---	23	28100	25200
9	---	---	24	28600	27100
10	30700	28600	25	28800	27500
11	31000	22100	26	29900	27100
12	30200	22000	27	29600	24800
13	28900	25200	28	28100	25000
14	29100	24300	29	29100	24700
15	29100	26100	30	29000	26200

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	30100	26200	24900	18500	4000	1600	---	---	7200	3800	2500	700
2	---	---	28400	21200	3000	1500	---	---	7000	3500	700	500
3	30100	26900	28800	23000	2200	1000	---	---	4800	1600	600	400
4	29000	25700	28100	24700	5400	1500	---	---	8400	3100	600	400
5	27000	22700	28300	20400	4500	2500	---	---	12200	5900	2500	300
6	25500	22600	25800	18400	4700	3000	---	---	12300	7100	4000	900
7	26600	22300	24200	18400	6500	4000	---	---	13800	7900	3600	1300
8	28700	22900	22600	16800	---	---	---	---	13900	9200	4800	2400
9	28800	24200	19000	16300	6700	5100	---	---	16900	11700	---	---
10	26400	24200	19200	15500	6100	4800	15000	4100	20400	12900	---	9100
11	30400	25100	19900	15900	10500	6000	17100	4700	19500	14300	---	9700
12	31100	26800	18300	15500	11200	7200	8700	2300	19000	12900	10300	9100
13	30500	25100	17600	16700	12500	6300	---	---	18800	11100	10000	8900
14	28100	22600	21300	16000	13500	9400	---	---	19300	14100	10100	9000
15	27000	24900	22100	17100	14500	8000	---	---	20400	17300	9800	8900
16	27000	23700	24000	17300	11500	7100	---	---	17700	12700	9800	8900
17	27200	22400	21700	16100	8900	5500	---	---	12600	9300	9800	9400
18	27000	20700	21000	14200	6000	4500	---	---	10200	7800	9900	8900
19	26500	22900	21200	15300	8800	4200	---	---	21000	7300	9800	8800
20	29500	23800	21400	17400	4800	3300	31900	9200	15300	11600	9700	8900
21	30800	24700	21800	15400	4900	2900	9100	2000	20200	14200	---	8800
22	31000	26500	25000	19400	5000	3000	5900	1200	20300	13800	---	9000
23	31500	27400	23000	17600	7100	3900	---	---	14800	10800	9900	9400
24	30400	26600	20800	11800	4900	2000	1000	200	14000	10600	---	---
25	27900	23200	14700	10700	2200	1600	1300	700	12800	10300	7600	6900
26	25600	22100	10300	4000	1700	1300	1500	800	21500	7900	7400	6800
27	25200	20200	3900	1600	2400	1100	2800	1400	7800	4300	7500	6800
28	24200	19000	2700	1200	3500	1500	3400	1800	6000	2900	7700	6800
29	22500	17400	2500	1100	---	---	4400	2000	---	---	7700	7300
30	22200	16200	3600	1300	4600	2500	5000	2800	---	---	7800	7400
31	24700	20400	---	---	4800	2600	5300	2800	---	---	7900	7100

TABLE 2C.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY SPECIFIC CONDUCTANCE DATA, SEPTEMBER 1986 TO JULY 1988--CONTINUED

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7700	6800	27500	18500	19200	13100	10600	6900	12900	11000	31100	21300
2	7700	6700	27100	22000	18500	12500	6500	3900	13400	9000	30900	25200
3	7800	7200	26300	23000	14900	11200	4100	2700	14000	10700	31100	25800
4	7700	7100	27900	24100	12200	10400	2900	2000	15700	10100	32400	26500
5	7600	7100	27500	24400	14500	10400	2500	1700	20000	11000	32700	27800
6	7600	6800	27400	23000	15500	11100	3800	1700	20900	11900	33100	29000
7	---	---	25800	20300	19300	11300	4400	2500	20000	12100	33000	29000
8	---	---	26000	22200	20600	12700	5000	3200	22100	14000	31700	26400
9	16800	7800	26600	22300	20800	11400	7000	3600	20700	17300	31600	25800
10	15000	7000	26900	22200	21000	10300	5200	3800	23100	16500	29900	26000
11	12300	6300	26100	20400	20400	11100	5300	3800	20400	16800	29700	26100
12	14300	10000	24900	19100	19200	12000	5600	4300	18700	14300	29900	26300
13	14100	10600	23800	18400	14100	11200	5400	3800	16800	13200	29800	22700
14	14100	6700	24100	18500	14200	10600	5600	3900	15700	8500	30200	24700
15	14600	6500	22500	18200	12400	---	4600	3300	14400	8900	30300	25300
16	19200	5400	21900	17000	---	---	3800	2800	13900	8600	29300	25400
17	19800	9300	21600	16000	7300	5800	3700	2800	14000	9100	28800	26200
18	19400	9300	19700	14800	6600	3800	4900	3000	18100	8500	27900	24700
19	16000	7400	17600	13000	3700	3100	7600	4500	16600	10500	26200	21900
20	16500	9200	17900	9900	2900	2200	10100	6500	19200	12500	24100	20900
21	18700	10800	17600	13500	2600	2000	11400	6800	21200	12600	27700	20500
22	21100	13400	16000	12100	3200	2200	14200	9400	24000	15700	28200	20400
23	22600	17100	18200	12700	5500	2100	13500	10100	25200	15100	30300	22000
24	23200	19300	20100	14200	4700	3400	15900	11800	29700	18700	30200	23400
25	26500	19100	20700	15800	5700	3100	16200	11900	28300	22200	30800	26200
26	28100	19200	22800	16200	6100	3200	14800	12100	27900	22300	30000	25500
27	26400	19300	22800	19700	7400	4400	16400	10700	27800	22900	30100	26700
28	26500	19900	24100	18800	14600	4700	14400	10000	26800	23600	30800	26400
29	27400	16800	21700	16000	18300	7100	14300	10400	28900	23500	31200	27400
30	29600	20800	19600	13100	16300	10000	14100	10700	28100	24300	29200	27100
31	---	---	19400	14600	---	---	13200	11000	27800	23300	---	---

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	31900	26500	28500	23100	7700	6100	12800	10300	17500	10300	9700	7500
2	32600	27200	26200	21800	9300	6500	12500	10400	10900	7800	---	---
3	31800	26000	27800	23000	11200	7900	18200	10800	7800	6000	12600	9900
4	30500	25000	31300	25200	11300	7200	17200	10300	6300	5300	10900	8800
5	32500	27000	32400	27600	14700	7800	13800	10100	6300	5000	8500	7300
6	31700	27700	36700	27500	18200	9900	21800	11000	5500	4800	8500	7500
7	31300	28100	35800	31500	16200	9900	17600	11600	6700	4900	7700	5900
8	32400	27100	35600	31200	11900	8500	12700	10500	6200	5100	8200	6300
9	32400	30900	34500	30800	10300	8300	12100	10100	6800	5300	7700	5800
10	32000	30400	32800	28900	15000	8200	11500	8700	6800	5600	6000	4900
11	32400	29100	30700	27600	10800	7400	13500	8400	8900	6400	5000	4200
12	32000	28500	33500	27900	10700	7400	12300	9800	9500	6300	4200	3500
13	31700	29900	33100	27100	12000	7600	13600	10800	9500	7100	4700	3500
14	33800	29700	32100	28500	14200	8800	17700	9900	10400	7600	5600	4300
15	34000	29700	36000	29900	11200	8300	17300	12400	11200	8700	6200	4500
16	33900	31300	34300	21800	14400	9200	17600	12400	11100	8400	6700	5400
17	33700	31900	21400	11200	19400	10100	19400	14000	13400	9700	7600	6000
18	32800	28900	10900	7800	21100	12800	15300	11000	13500	9900	7000	5800
19	32300	27900	9100	6600	25200	15800	15100	11500	11300	8700	7100	5900
20	32500	30900	7800	6000	20500	14800	14800	11400	9200	7500	8700	6000
21	33800	30600	8600	5700	19100	13600	12300	10800	8400	6100	8400	5600
22	35200	31900	8000	5100	20200	14200	12300	8400	7200	5100	6400	4300
23	35000	33000	6700	4900	15400	12100	10500	8900	7100	5800	6200	5100
24	35800	32200	8100	5400	13500	9700	12100	8000	8100	5700	6600	5900
25	35500	31900	7900	6100	13500	8700	11200	9400	9300	6600	6400	5400
26	34700	31500	8000	6000	10500	7800	10800	8600	9100	6600	6300	5200
27	32700	28000	8400	6300	8600	6900	13900	8300	8900	6900	7700	5800
28	31400	25600	7500	5700	7300	6100	14700	9700	8900	6900	9200	7100
29	31400	26500	8500	5700	7800	6600	16400	11300	10000	7600	9500	8000
30	30500	26000	8300	6700	11500	7400	19900	14800	---	---	9500	8100
31	29400	24600	---	---	15300	10500	18600	14000	---	---	11300	8600

TABLE 2C.--LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, DAILY SPECIFIC CONDUCTANCE DATA, SEPTEMBER 1986 TO JULY 1988--CONTINUED

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, OCTOBER 1987 TO JULY 1988

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY	
1	9200	8000	31100	24400	38400	29800	33900	27900
2	8800	6500	31800	24400	37500	32400	34100	28500
3	7000	5900	30400	28400	37300	33500	32200	26800
4	6200	5100	29300	27100	35200	31600	32300	25800
5	5800	4800	28600	24400	34500	29600	32500	26000
6	5000	4400	28500	24500	32700	26300	32500	28500
7	5600	4300	30200	24800	32400	27900	37200	28100
8	5200	4200	30100	28600	34300	30500	36500	27600
9	6800	4800	29800	28800	33400	24800	40400	27500
10	8300	5100	28800	25800	32600	24400	33400	25200
11	8600	6700	26700	23400	34900	27000	29000	24100
12	9900	7700	26700	24000	36400	29400	29300	22900
13	12400	8500	27300	23400	38800	29700	29500	23300
14	15200	9900	26900	21700	39600	31800	28000	22400
15	15100	11100	28300	19700	40000	32100		
16	16800	11300	29200	20700	40700	32400		
17	17800	12000	30800	23000	40900	34600		
18	17400	14400	29800	22100	39500	34100		
19	18000	14400	31300	24700	37900	32500		
20	21400	11900	33000	24400	39900	33500		
21	20100	15100	32400	27500	41000	37100		
22	20000	17900	30500	23500	39900	37400		
23	20200	15900	23000	18800	40400	37000		
24	19600	16000	20900	16600	40000	36400		
25	25300	15900	22000	15300	41200	36400		
26	23800	17000	24200	17900	38200	34600		
27	23700	18800	30400	20700	36100	30700		
28	29800	18000	32900	26100	35300	31000		
29	32900	22900	36800	27000	---	---		
30	30300	22600	35200	28000	36500	29300		
31	---	---	36500	28900	---	---		

TABLE 3A.--LOWER CALCASIEU RIVER NEAR CAMERON, LOUISIANA, ONCE DAILY WATER TEMPERATURE DATA, APRIL 1987 TO AUGUST 1988

[DASHES (---), NOT RECORDED]

WATER TEMPERATURE, DEGREES CELSIUS, APRIL TO DECEMBER 1987

DAY	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	22.0	28.0	30.0	33.0	28.0	---	23.0	16.0
2	---	22.0	28.0	30.5	33.0	29.5	27.5	23.5	18.0
3	---	23.5	29.0	31.0	33.5	30.0	23.5	23.5	18.5
4	---	23.0	28.5	31.5	33.5	31.5	24.5	24.0	19.0
5	---	23.0	28.0	32.0	33.0	31.5	25.0	23.5	19.0
6	---	23.0	27.5	30.5	33.0	31.0	24.0	21.5	18.5
7	---	22.0	27.5	31.0	33.0	30.5	24.5	21.5	18.0
8	15.5	22.0	27.5	29.0	---	31.0	24.0	21.0	18.5
9	17.0	23.0	26.0	30.5	32.0	31.5	24.5	21.0	---
10	18.5	24.0	---	31.5	31.0	31.0	24.5	---	---
11	18.5	24.0	25.0	32.0	31.0	31.0	25.0	---	---
12	19.5	24.0	27.0	32.0	---	31.0	23.0	---	---
13	20.0	24.5	27.0	33.5	32.0	31.5	21.5	22.0	---
14	19.0	25.5	---	33.0	32.0	32.0	21.5	19.0	---
15	19.0	25.0	27.5	33.5	32.5	32.0	23.0	19.5	---
16	---	25.5	27.0	32.5	32.5	30.0	23.5	19.5	---
17	20.0	24.5	27.5	32.5	33.0	31.5	23.5	19.5	---
18	20.0	---	27.5	32.5	---	31.0	24.0	18.5	---
19	21.0	25.5	27.0	32.5	34.0	31.0	24.0	18.0	---
20	22.0	25.5	27.5	31.0	35.0	30.0	24.5	19.0	---
21	22.0	26.5	28.0	31.5	34.5	29.5	---	18.5	---
22	21.0	27.0	29.5	32.5	32.0	28.0	21.0	18.5	---
23	21.0	27.0	29.5	32.0	33.0	28.0	21.0	19.0	---
24	22.0	28.5	28.5	32.0	32.5	27.0	22.0	20.0	---
25	22.0	28.0	33.0	32.5	33.0	27.0	22.5	19.5	---
26	22.5	28.0	33.0	32.5	33.5	27.0	---	18.0	---
27	24.0	27.0	30.0	33.0	33.5	27.0	22.0	17.5	11.5
28	---	26.5	30.5	33.0	33.0	27.0	21.5	15.5	11.0
29	---	27.0	---	32.5	32.0	27.5	21.5	16.0	11.5
30	22.0	26.5	29.5	33.0	30.5	26.0	23.0	16.0	15.0
31	---	26.5	---	33.0	29.5	---	23.0	---	15.0

TABLE 3A.--LOWER CALCASIEU RIVER NEAR CAMERON, LOUISIANA, ONCE DAILY WATER TEMPERATURE DATA, APRIL 1987 TO AUGUST 1988--CONTINUED

WATER TEMPERATURE, DEGREES CELSIUS, JANUARY TO AUGUST 1987

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1	13.0	---	17.0	20.5	23.5	26.5	29.0	32.0
2	12.5	16.0	17.5	21.0	24.0	27.0	29.0	---
3	---	16.5	14.0	23.5	24.0	27.0	30.0	---
4	10.0	16.0	16.0	24.0	25.0	25.5	30.0	32.0
5	9.5	10.0	16.0	23.5	---	26.0	29.5	32.0
6	11.5	7.5	---	21.5	25.5	28.0	28.0	31.5
7	8.0	6.0	18.0	23.0	25.0	28.0	27.0	32.0
8	7.0	7.0	18.0	22.0	25.0	28.0	27.0	---
9	7.0	9.0	18.5	23.0	26.0	28.5	---	30.5
10	6.0	10.0	18.5	19.5	27.0	28.5	28.0	30.0
11	8.0	---	19.0	---	27.5	27.5	---	29.0
12	10.0	10.0	19.5	18.0	26.0	27.0	---	29.5
13	8.5	12.5	19.5	19.0	26.5	26.5	29.0	30.0
14	---	12.0	15.0	20.5	28.0	27.0	29.0	30.0
15	9.0	12.5	16.0	20.5	27.5	27.0	30.0	---
16	10.0	---	16.0	---	28.0	27.0	30.5	30.0
17	11.0	---	16.0	22.5	27.0	28.0	31.0	31.5
18	11.0	14.5	13.5	23.0	27.0	27.5	29.5	31.5
19	12.0	14.0	14.0	24.0	26.5	27.5	29.5	31.5
20	12.5	14.0	15.5	23.0	27.0	28.0	29.5	30.5
21	12.5	14.5	18.0	24.0	27.0	28.0	29.0	30.5
22	10.0	14.0	18.0	24.0	26.0	29.0	30.0	32.0
23	10.5	16.0	18.0	24.5	27.0	---	30.5	31.5
24	12.5	15.0	19.0	23.0	27.0	28.0	30.5	31.5
25	12.0	12.5	16.5	26.0	28.0	29.0	---	31.0
26	12.0	14.5	20.0	24.5	26.5	29.0	31.5	31.5
27	12.5	15.0	---	25.5	26.0	30.5	29.5	---
28	---	15.0	---	22.5	---	30.0	---	31.5
29	13.0	16.5	20.0	25.5	26.5	29.5	31.0	31.0
30	13.5	---	20.0	22.5	27.0	29.0	32.0	30.0
31	15.0	---	20.0	---	26.5	---	32.5	29.5

TABLE 3B.--LOWER CALCASIEU RIVER NEAR CAMERON, LOUISIANA, ONCE DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1987 TO AUGUST 1988

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, APRIL TO DECEMBER 1987

DAY	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	44600	21700	26200	15420	30200	---	37600	18280
2	---	42400	24000	18020	15590	30700	35600	40100	41000
3	---	44200	23900	12490	17370	32600	33400	40500	40700
4	---	45500	25800	12570	19380	34800	39800	40900	43100
5	---	38700	30400	10780	19900	39300	40000	41400	40900
6	---	33800	32400	17060	27600	40100	39900	40800	42000
7	---	34200	33200	18990	33000	40400	39400	41900	24500
8	---	34000	32300	23500	---	41200	39300	40100	21900
9	34600	35800	28900	21100	40000	37700	38300	38400	---
10	36300	31000	24000	29100	34400	36400	36100	33900	19300
11	40500	31900	23600	27500	---	36000	36300	35200	19600
12	40800	30400	24900	25800	---	33600	34400	35300	---
13	40200	30100	35800	19010	25400	33400	34800	35400	29300
14	33800	29600	---	14830	24100	30100	36600	40500	38800
15	29700	32600	33400	13660	22500	37600	37800	42800	---
16	---	35500	33100	13000	25300	41200	38400	40800	---
17	41800	39700	32800	12540	27200	40500	36300	34300	43600
18	42100	---	17200	13740	---	41400	38100	37400	43900
19	41700	38800	12950	15240	26900	36300	40400	32500	45100
20	41600	38100	12080	18990	27300	42800	39100	40200	44100
21	46100	37800	14610	15440	31200	42400	---	40500	32600
22	43100	34800	16390	15470	31600	36200	38900	40800	---
23	41000	34100	18890	27900	44300	41900	39300	30900	37400
24	31700	36500	19070	28700	43800	40600	38900	30500	31300
25	37600	33900	17080	25600	42700	36300	35900	22100	29500
26	33000	29200	18110	19680	41500	35600	34800	14400	25300
27	28800	21500	36000	19460	36800	36600	34800	14400	20200
28	35200	21400	37000	19190	33400	36400	34800	13900	20600
29	44900	18000	---	18500	30900	34000	35400	13900	20600
30	44500	19070	34200	18870	29500	32300	36000	18700	45000
31	---	18960	---	16420	30300	---	36400	---	38300

TABLE 3B.--LOWER CALCASIEU RIVER NEAR CAMERON, LOUISIANA, ONCE DAILY SPECIFIC CONDUCTANCE DATA, APRIL 1987 TO AUGUST 1988--CONTINUED

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, JANUARY TO AUGUST 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1	21300	---	32300	22800	29200	38200	43800	39400
2	---	24500	33200	15800	30000	36500	45200	---
3	---	21400	25900	19700	29000	37700	45000	---
4	23200	16100	26600	14900	28100	38700	40300	33800
5	22000	18400	29300	15200	---	39400	39500	32500
6	---	12100	---	16900	40500	38800	38600	34900
7	21400	16400	19400	29200	39400	38000	38000	34000
8	21100	18000	25400	38000	38300	36100	41000	---
9	20200	12600	---	31800	37600	36300	---	47200
10	19800	29000	26300	33800	35000	33900	39700	47600
11	27900	24700	28600	---	39000	39800	---	47200
12	29400	35100	26000	35600	32000	41400	---	47600
13	28000	38600	30300	40900	33800	44600	44200	41800
14	---	35000	20200	35000	33900	44100	42700	37400
15	38000	26900	35200	37500	39400	44400	41000	---
16	36600	---	36100	---	39400	41300	40600	27800
17	31400	---	34700	37800	42000	40600	36800	27300
18	28400	27600	---	38900	44200	41900	33900	28400
19	28300	17400	19200	28400	44700	42900	32800	21900
20	26600	19700	37500	39000	45200	42800	33000	26400
21	22100	16200	23800	38700	43400	40500	29100	27500
22	22800	37100	36000	38300	43800	39300	29800	31700
23	24600	33200	36900	39100	42000	---	30800	33400
24	22300	35500	39000	35300	37000	40000	32700	33000
25	17100	37900	29300	33200	38300	36000	---	44800
26	42000	35800	27200	34900	42200	36200	36500	38500
27	43000	28000	---	32200	44400	35500	43000	---
28	---	31900	---	35900	---	38600	---	43800
29	42200	27400	33900	38300	46700	42100	45000	36799
30	41700	---	22500	31100	47900	42400	44600	36700
31	41700	---	21600	---	43400	---	44300	33600

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987

SALINITY PROFILE NO. 1
FEBRUARY 26, 1987

[TEMP, TEMPERATURE; DEG C, DEGREES CELSIUS; DO, DISSOLVED OXYGEN; MG/L, MILLIGRAMS PER LITER; SPEC COND, SPECIFIC CONDUCTANCE; US/CM, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS; SAL, SALINITY; PPT, PARTS PER THOUSAND; ORP, OXIDATION-REDUCTION POTENTIAL; MV, MILLIVOLTS; DASHES (---), NOT RECORDED]

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
1	3.3	11.4	6.7	8.1	425	0.0	+209
1100	9.9	11.4	6.7	8.2	425	0.0	+207
	16.5	11.4	6.7	8.1	515	0.0	+207
	23.1	11.4	6.7	8.0	778	0.0	+207
	29.7	11.4	6.7	7.7	3,400	0.8	+210
	34.6	12.0	7.3	7.0	12,000	6.3	+213
2	3.3	11.2	6.7	8.1	580	0.0	+222
1105	9.9	11.3	6.7	8.1	1,100	0.0	+222
	16.5	11.3	6.8	8.1	1,160	0.1	+219
	23.1	11.4	6.8	7.4	6,300	3.1	+225
	30.6	12.2	7.5	6.2	21,000	12.0	+229
3	3.3	11.2	6.7	8.0	1,500	0.2	+211
1120	9.9	11.3	6.7	8.0	1,350	0.2	+210
	16.5	11.3	6.8	7.8	1,600	0.3	+208
	23.1	11.7	6.7	7.3	1,500	0.6	+215
	29.7	12.5	7.9	---	30,600	18.5	+209
	36.3	12.8	7.9	7.1	33,400	20.8	+211
	44.6	---	---	---	33,800	21.1	---
4	3.3	11.3	6.7	8.0	1,850	0.5	+194
1135	9.9	11.4	6.7	7.9	2,100	0.7	+194
	16.5	11.4	6.8	7.9	2,600	0.9	+193
	23.1	11.4	6.9	7.7	5,300	2.4	+195
	29.7	11.8	7.2	7.2	16,800	8.7	+197
	38.0	12.6	7.8	7.8	32,400	20.1	+203
5	3.3	11.4	6.7	7.9	2,500	0.8	+091
1217	9.9	11.4	6.7	7.9	2,720	1.0	+087
	16.5	11.4	6.7	7.8	2,800	1.1	+081
	23.1	11.4	6.8	7.8	3,780	1.7	+071
	29.7	11.7	7.0	7.3	7,200	3.5	+056
	36.3	12.6	7.8	5.8	32,600	20.2	+027

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
5A	3.3	11.8	6.7	9.7	3,510	1.4	---
1200	9.9	12.0	7.0	12.3	4,820	2.1	---
	16.5	15.4	7.0	11.9	29,600	18.2	-259
6	3.3	11.4	6.7	10.2	2,600	0.9	+120
1255	9.9	11.5	6.8	11.6	2,640	0.9	+114
	16.5	11.5	6.9	13.4	3,610	1.5	+106
	23.1	11.6	7.0	15.0	9,200	4.9	+106
	29.7	11.7	7.2	16.5	10,400	5.6	+093
	36.3	12.6	7.9	13.3	34,400	21.6	+080
7	3.3	11.5	6.7	7.8	3,100	1.2	+127
1310	9.9	11.5	6.7	7.8	3,330	1.3	+126
	16.5	11.5	6.8	7.8	3,480	1.4	+122
	23.1	11.5	6.9	7.7	5,450	2.6	+110
	29.7	11.9	7.4	6.7	16,900	9.0	+106
	36.3	12.6	7.8	6.1	34,100	21.5	+098
7A	3.3	11.7	6.7	8.1	2,930	1.1	+134
1331	9.9	11.5	6.7	8.1	3,240	1.3	+132
	16.5	11.5	6.7	8.1	3,270	1.3	+127
	23.1	11.4	6.9	7.8	3,750	1.6	+121
	29.7	11.8	7.3	6.8	11,000	6.2	+120
	36.3	12.6	7.8	6.2	34,300	21.5	+116
7B	3.3	11.5	6.6	9.3	3,480	1.4	+144
1341	9.9	11.4	6.7	11.8	3,780	1.6	+143
	16.5	11.4	6.7	12.3	4,090	1.8	+140
	23.1	11.4	6.8	13.1	4,750	2.2	+135
	29.7	11.8	7.2	12.1	13,400	7.4	+132
	36.3	12.6	7.8	11.2	34,000	21.3	+125
9	3.3	11.5	6.8	7.9	4,500	2.0	+141
1357	9.9	11.5	6.8	7.8	4,580	2.1	+138
	16.5	11.6	7.0	7.8	5,420	2.5	+134
	23.1	11.6	7.2	7.4	7,900	3.7	+130
	29.7	12.4	7.8	6.2	27,500	16.7	+130
	36.3	12.6	7.8	6.0	35,000	22.0	+133
9B	3.3	12.9	7.0	8.1	3,690	1.5	+129
1652	9.9	12.6	7.2	8.1	4,260	1.9	+131
	16.5	12.5	7.3	7.8	5,590	2.7	+127
	23.1	12.4	7.2	6.7	9,200	4.8	+130
	29.7	13.2	7.6	4.9	22,900	13.7	+129
	36.3	12.8	7.9	5.9	36,200	23.0	+126

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
10A	1.6	12.7	6.9	8.2	4,750	2.2	+145
1618	3.3	11.9	6.8	8.0	5,940	2.9	+148
	6.6	11.8	6.8	8.3	6,170	3.0	+147
	7.3	11.8	6.8	8.8	6,410	3.2	+148
10B	1.6	12.4	6.9	8.3	5,050	2.3	+154
1627	3.3	12.0	6.8	8.0	5,340	2.5	+154
	6.6	11.9	6.9	8.0	6,080	3.0	+156
	8.2	11.9	6.9	8.3	6,520	3.2	+158
10C	1.6	12.6	6.9	8.1	4,880	2.2	+146
1636	3.3	12.3	6.9	8.0	5,100	2.4	+148
	9.9	12.0	7.0	7.7	7,340	3.7	+152
	16.5	12.2	7.1	6.9	10,800	6.1	+151
	23.1	13.9	7.0	1.6	23,500	14.0	+164
11	1.6	13.8	7.1	7.9	2,550	0.9	+126
1406	3.3	11.7	6.9	7.9	4,250	1.9	+134
	9.9	11.7	6.9	7.7	5,410	2.5	+139
	16.5	11.6	7.0	7.7	6,950	3.6	+139
	23.1	11.6	7.0	7.6	9,140	4.8	+137
	29.7	12.1	7.6	6.7	19,400	11.3	+133
	36.3	12.6	7.9	6.3	35,900	22.7	+131
13	3.3	12.1	6.9	8.0	4,850	2.2	+138
1420	9.9	12.0	6.9	7.9	5,230	2.4	+138
	16.5	11.6	6.9	7.7	5,890	2.8	+138
	23.1	11.6	7.1	7.5	8,380	4.3	+135
	29.7	12.2	7.8	6.6	25,000	15.1	+132
	36.3	12.5	7.9	6.3	35,100	21.9	+132
15	3.3	12.1	6.9	8.0	5,030	2.3	+135
1430	9.9	12.0	7.0	8.0	5,510	2.6	+134
	16.5	12.0	7.1	7.9	6,200	3.1	+131
	23.1	12.0	7.2	7.6	8,500	3.9	+132
	29.7	12.4	7.9	6.6	32,600	20.7	+126
	36.3	12.5	8.0	6.6	35,700	22.2	+128
17	3.3	12.0	7.0	7.9	7,000	3.5	+130
1445	9.9	12.1	7.1	7.9	7,800	4.0	+130
	16.5	12.2	7.2	7.9	8,310	4.3	+127
	23.1	12.1	7.6	7.2	18,000	10.5	+123
	29.7	12.4	8.0	6.7	34,900	21.9	+118
	36.3	12.4	8.0	7.0	35,900	22.6	+119

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
19	3.3	12.1	7.1	7.9	7,900	4.0	+138
1504	9.9	12.0	7.3	7.8	9,760	5.2	+133
	16.5	12.1	7.6	7.4	18,500	10.5	+133
	23.1	12.3	8.0	7.1	33,100	20.6	+127
	29.7	12.4	8.0	7.0	35,300	22.2	+129
	36.3	12.4	8.0	7.1	35,500	22.3	+132
20	3.3	12.1	7.2	8.0	8,000	4.1	+134
1515	9.9	12.1	7.3	7.8	8,590	4.4	+130
	16.5	12.1	7.8	7.3	20,000	11.0	+128
	23.1	12.2	7.9	7.2	26,500	15.7	+125
	29.7	12.3	8.0	7.1	34,900	21.9	+125
			SALINITY PROFILE NO. 2				
			MARCH 12, 1987				
1	1.6	14.5	6.2	7.3	441	0.0	+219
1000	3.3	14.4	6.2	7.0	450	0.0	+217
	9.9	14.4	6.4	7.0	630	0.0	+209
	16.5	14.4	6.5	6.9	1,800	0.5	+195
	23.1	14.5	6.7	6.9	4,700	2.1	+187
	29.7	15.0	7.4	6.6	16,300	9.2	+178
	34.6	14.9	7.3	7.6	17,700	10.2	+180
2	1.6	14.6	6.2	7.0	302	0.0	+208
1010	3.3	14.5	6.2	7.0	340	0.0	+211
	9.9	14.4	6.2	7.0	440	0.0	+210
	16.5	14.4	6.3	6.9	520	0.0	+194
	25.4	14.9	7.1	6.1	11,000	5.0	+191
	29.7	15.0	7.4	6.0	16,800	9.7	+197
	36.3	15.0	7.4	5.7	18,300	11.3	+203
3	3.3	14.5	6.2	6.9	480	0.0	+209
1020	9.9	14.5	6.3	6.9	540	0.0	+199
	16.5	14.4	6.5	6.9	540	0.0	+184
	23.1	14.8	7.0	6.2	14,300	8.0	+191
	29.7	15.0	7.4	5.9	17,700	10.2	+200
	36.3	15.0	7.4	5.7	19,800	11.7	+205
4	3.3	14.5	6.2	6.9	540	0.0	+204
1035	9.9	14.5	6.2	6.9	570	0.0	+204
	16.5	14.4	6.4	6.8	1,000	0.0	+196
	23.1	14.7	6.7	6.4	8,000	4.5	+194
	27.9	15.0	7.4	5.8	18,600	10.7	+200
	36.3	15.0	7.4	5.6	22,000	13.2	+207

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
5	3.3	14.4	6.2	6.8	515	0.0	+210
1045	9.9	14.4	6.3	6.9	610	0.0	+201
	16.5	14.4	6.6	6.7	960	0.0	+185
	23.1	15.0	7.1	6.1	12,800	6.7	+190
	29.7	15.1	7.5	5.9	18,500	10.8	+190
	36.3	15.0	7.4	6.0	22,500	13.8	+198
5A	1.6	14.5	6.2	7.4	420	0.0	+094
1055	3.3	14.0	6.2	7.4	400	0.0	+100
	9.9	14.7	6.6	5.0	1,400	0.4	+110
	15.2	16.2	6.9	0.3	29,200	17.9	-263
6	3.3	14.7	6.2	6.9	532	0.0	+125
1115	9.9	14.6	6.2	6.8	540	0.0	+124
	16.5	14.4	6.3	6.8	1,000	0.0	+103
	23.1	15.0	7.2	6.1	13,700	7.5	+058
	29.7	15.1	7.6	5.8	20,000	12.0	+040
	36.3	15.0	7.5	5.2	22,700	13.5	+027
7	3.3	14.7	6.2	7.0	630	0.0	+147
1130	9.9	14.6	6.3	7.0	850	0.0	+140
	16.5	14.5	6.5	6.9	1,050	0.0	+130
	23.1	15.0	7.2	6.2	13,000	7.2	+110
	29.7	15.2	7.6	5.6	20,500	12.0	+110
	36.3	15.1	7.6	5.3	23,500	13.9	+115
7A	3.3	14.3	6.3	7.3	719	0.0	+154
1155	9.9	14.2	6.4	7.2	740	0.0	+153
	16.5	14.4	6.7	7.0	1,530	0.3	+136
	23.1	15.1	7.4	6.2	14,300	8.0	+126
	29.7	15.2	7.7	5.8	20,400	12.0	+123
	36.3	15.1	7.6	5.3	23,000	14.0	+130
7B	3.3	15.0	6.2	7.0	740	0.0	+154
1205	9.9	14.5	6.2	6.9	740	0.0	+157
	16.5	14.3	6.5	6.9	850	0.0	+145
	23.1	14.9	7.7	6.2	12,600	6.7	+130
	29.7	15.2	7.7	6.0	20,600	12.0	+125
	36.3	15.0	7.6	6.0	22,000	13.0	+133
9	3.3	14.7	6.3	6.9	1,250	0.1	+149
1218	9.9	14.4	6.4	6.8	1,930	0.5	+150
	16.5	14.5	6.5	6.6	3,920	1.7	+145
	23.1	15.0	7.3	6.1	13,500	7.5	+133
	29.7	15.2	7.6	5.8	20,200	12.0	+129
	36.3	15.3	7.7	5.7	22,000	13.2	+132

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
9B	3.3	14.5	6.7	6.1	1,970	0.5	+025
1230	9.9	14.9	6.7	5.4	2,350	0.7	+014
	16.5	14.9	6.7	6.0	6,400	3.3	+052
	23.1	15.0	7.2	5.6	15,800	9.0	+106
	29.7	15.2	7.4	5.6	20,600	12.0	+100
	38.0	15.0	7.3	3.2	22,900	13.6	+100
10A	1.6	14.9	6.4	7.4	2,720	0.7	+121
1250	3.3	14.7	6.4	7.3	2,320	0.7	+114
	5.0	14.6	6.3	7.2	2,380	0.7	+104
10B	1.6	15.3	6.4	7.0	2,250	0.7	+138
1330	3.3	15.0	6.4	7.0	2,230	0.7	+138
	6.6	14.4	7.1	6.4	2,320	0.7	+134
10C	1.6	15.3	6.4	7.6	1,380	0.2	+151
1335	3.3	14.5	6.4	7.6	1,420	0.2	+155
	9.9	13.9	6.3	7.5	1,440	0.2	+162
	16.5	13.6	6.3	7.3	1,480	0.3	+163
	23.1	13.6	6.3	7.3	1,490	0.3	+160
11	1.6	15.4	6.6	7.1	1,940	0.5	+128
1530	3.3	15.0	6.5	7.0	1,930	0.5	+132
	9.9	14.7	6.8	6.7	3,110	1.2	+128
	16.5	14.7	6.9	6.6	5,090	2.1	+125
	23.1	15.2	7.6	6.1	16,700	9.3	+123
	29.7	15.2	7.8	5.9	21,400	12.8	+119
	36.3	15.2	8.0	5.7	25,000	15.1	+120
13	3.3	14.9	6.6	6.9	2,170	0.7	+128
1410	9.9	14.5	6.8	6.8	2,700	0.9	+131
	16.5	14.6	7.1	6.7	6,100	3.0	+138
	23.1	15.0	7.6	6.2	17,300	10.1	+144
	29.7	15.1	7.8	6.0	20,800	12.4	+142
	36.3	15.2	8.0	5.7	25,000	15.1	+120
15	3.3	14.6	6.8	7.2	2,990	1.1	+129
1420	9.9	14.3	6.9	7.1	4,850	2.2	+130
	16.5	14.7	7.3	6.6	11,400	6.6	+133
	23.1	14.9	7.6	6.4	17,000	10.0	+125
	29.7	15.1	7.8	6.2	23,100	13.5	+120
	36.3	15.2	8.0	5.9	28,000	17.1	+119

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
17	3.3	14.9	6.8	7.3	4,020	1.7	+125
1435	9.9	14.4	6.9	7.0	6,020	2.9	+126
	16.5	14.6	7.2	6.8	10,860	5.8	+125
	23.1	14.9	7.6	6.5	16,500	9.8	+119
	29.7	15.1	7.9	6.2	24,600	14.4	+114
	36.3	15.0	8.0	6.1	30,600	18.8	+115
19	3.3	14.4	7.0	7.4	4,730	2.1	+127
1448	9.9	14.6	7.2	6.8	10,000	5.0	+126
	16.5	14.7	7.4	6.7	12,800	7.2	+122
	23.1	15.0	7.8	6.4	21,500	12.6	+116
	29.7	14.9	8.0	6.2	29,700	18.5	+113
	36.3	14.8	8.0	6.2	31,700	19.4	+114
20	3.3	14.7	7.0	7.5	4,100	1.7	+132
1505	9.9	14.4	7.2	7.1	6,410	3.1	+132
	16.5	14.8	7.5	6.7	13,200	7.0	+132
	23.1	14.9	8.0	6.3	23,600	14.0	+125
	29.7	14.9	8.0	6.3	29,700	18.3	+125
	36.3	14.7	8.0	6.4	31,800	19.6	+130
SALINITY PROFILE NO. 3							
MARCH 18, 1987							
1	1.6	15.5	6.2	6.1	225	0.0	+251
0718	3.3	15.5	6.3	6.5	214	0.0	+235
	9.9	15.5	6.3	6.5	240	0.0	+237
	16.5	15.5	6.3	6.4	233	0.0	+245
	23.1	15.5	6.2	6.2	239	0.0	+248
	29.7	15.5	6.2	6.2	252	0.0	+252
	36.3	15.5	6.2	6.2	237	0.0	+255
2	1.6	15.6	6.3	6.5	296	0.0	+242
0727	3.3	15.6	6.3	6.5	303	0.0	+242
	9.9	15.6	6.3	6.5	349	0.0	+238
	16.5	15.6	6.3	6.6	405	0.0	+228
	23.1	15.6	6.5	6.8	2,030	0.5	+209
	29.7	15.5	6.5	6.6	2,030	0.5	+204
	36.3	15.5	6.6	6.3	1,980	0.5	+199

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
3	1.6	15.6	6.3	6.7	539	0.0	+230
0740	3.3	15.6	6.3	6.7	516	0.0	+240
	9.9	15.6	6.4	6.7	540	0.0	+241
	16.5	15.6	6.5	6.6	640	0.0	+234
	23.1	15.5	6.5	6.4	2,800	0.9	+235
	29.7	15.5	6.5	6.3	3,750	1.4	+240
	36.3	15.5	6.6	6.4	3,800	1.8	+235
4	3.3	15.6	6.3	6.7	668	0.0	+230
0800	9.9	15.5	6.3	6.6	801	0.0	+235
	16.5	15.5	6.4	6.6	965	0.0	+232
	23.1	15.5	6.4	6.6	1,010	0.1	+229
	29.7	15.5	6.4	6.6	1,830	0.3	+222
	36.3	15.5	6.5	6.4	3,950	1.4	+219
5	3.3	15.6	6.4	6.8	985	0.0	+218
0810	9.9	15.6	6.4	6.8	1,105	0.0	+220
	16.5	15.6	6.4	6.7	1,374	0.2	+221
	23.1	15.5	6.5	7.0	1,900	0.5	+218
	29.7	15.5	6.6	7.0	3,080	1.2	+213
	36.3	15.5	6.6	7.0	3,080	1.2	+213
5A	1.6	16.0	6.8	7.8	2,310	0.7	+127
0821	3.3	16.0	6.8	7.8	2,310	0.7	+117
	9.9	16.0	6.8	7.8	2,340	0.8	+086
6	3.3	15.6	6.4	6.7	1,455	0.3	+186
0828	9.9	15.6	6.4	6.8	1,610	0.3	+187
	16.5	15.6	6.5	6.8	1,640	0.4	+182
	23.1	15.6	6.5	7.3	1,670	0.4	+171
	29.7	15.6	6.7	7.1	2,570	0.9	+160
	36.3	15.5	6.8	6.8	6,080	3.6	+154
7	3.3	15.6	6.5	6.7	1,740	0.4	+187
0840	9.9	15.5	6.5	6.8	1,770	0.4	+190
	16.5	15.5	6.5	6.8	1,800	0.4	+188
	23.1	15.5	6.5	6.7	2,460	0.8	+187
	29.7	15.5	6.7	7.0	2,700	1.1	+176
	36.3	15.2	7.5	7.3	21,500	12.6	+173
7A	3.3	16.2	7.1	7.6	2,270	0.7	+174
0852	9.9	16.2	7.0	7.6	2,410	0.8	+176
	16.5	16.2	7.0	7.7	2,520	0.8	+175
	23.1	16.1	7.0	7.7	2,610	0.9	+172
	29.7	16.2	7.1	7.7	2,670	1.0	+165
	36.3	15.2	7.6	4.5	24,000	14.1	+169

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
7B	3.3	16.0	6.7	7.1	2,220	0.7	+172
0912	9.9	15.8	6.7	7.1	2,390	0.8	+179
	16.5	15.9	6.7	7.0	2,500	0.8	+178
	23.1	16.0	6.8	7.4	2,770	1.0	+170
	29.7	16.2	7.1	7.5	3,200	1.5	+164
	36.3	15.2	7.4	5.3	20,600	11.5	+170
9	3.3	15.9	6.6	7.2	2,410	0.8	+167
0925	9.9	15.8	6.6	7.1	2,670	0.9	+173
	16.5	15.8	6.6	7.0	2,740	1.0	+171
	23.1	15.7	6.7	6.9	4,030	1.7	+168
	29.7	15.7	6.9	6.7	5,600	2.8	+157
	36.3	15.3	7.2	5.4	16,300	9.5	+151
9B	3.3	17.6	7.2	7.1	3,160	1.2	+103
0938	9.9	16.8	7.1	7.1	3,270	1.3	+105
	16.5	17.0	7.1	7.4	3,510	1.3	+099
	23.1	17.3	7.2	7.2	4,150	1.9	+067
	29.7	16.6	7.2	7.0	9,940	5.6	+156
	36.3	15.2	7.4	4.0	23,400	10.8	+159
10A	1.6	16.2	6.8	7.5	3,290	1.3	+156
0954	3.3	16.2	6.8	7.5	3,280	1.3	+159
	7.3	16.2	6.8	7.7	3,330	1.3	+159
10B	1.6	16.9	7.0	8.1	3,830	1.6	+170
1003	3.3	16.9	7.0	8.2	3,840	1.6	+173
	6.9	16.8	7.0	8.1	3,850	1.6	+174
10C	1.6	16.8	7.0	7.7	3,920	1.7	+170
1014	3.3	16.8	6.9	7.3	4,850	3.0	+176
	9.9	16.8	6.9	7.3	4,850	3.0	+176
	16.5	16.3	6.9	6.5	7,620	3.6	+182
	23.1	15.2	6.8	5.4	11,320	5.8	+188
11	1.6	16.9	6.9	7.2	3,300	1.3	+155
1232	3.3	17.0	6.9	7.2	3,300	1.3	+157
	9.9	16.8	6.9	7.2	3,400	1.3	+156
	16.5	16.7	6.9	7.1	3,400	1.3	+152
	23.1	15.9	6.9	6.8	4,100	1.8	+145
	29.7	15.4	7.3	5.4	15,800	8.8	+135
	36.3	15.2	7.6	4.8	22,200	13.6	+123

TABLE 4A.--SALINITY PROFILE DATA, LOWER CALCASIEU RIVER, LOUISIANA, FEBRUARY AND MARCH 1987--CONTINUED

SITE NO. TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
13	3.3	16.3	6.9	7.1	3,760	1.6	+151
1033	9.9	16.3	6.9	7.0	3,780	1.6	+151
	16.5	16.0	6.9	6.9	3,870	1.9	+151
	23.1	15.9	7.0	6.7	7,340	3.4	+141
	29.7	15.8	7.2	6.6	11,100	6.3	+144
	36.3	15.2	7.5	5.1	20,900	12.6	+140
15	3.3	16.5	7.0	7.3	4,390	2.0	+150
1045	9.9	16.2	7.0	7.1	5,260	2.5	+149
	16.5	16.1	7.1	6.9	6,800	3.3	+147
	23.1	16.0	7.2	6.7	10,500	5.8	+143
	29.7	15.7	7.4	5.8	17,500	7.4	+137
	36.3	15.1	7.6	5.0	23,500	13.8	+134
17	3.3	16.7	7.0	7.3	4,860	2.2	+167
1058	9.9	16.4	7.1	7.2	5,120	2.4	+169
	16.5	16.6	7.2	7.2	6,920	5.1	+170
	23.1	16.2	7.3	6.6	10,230	5.6	+172
	29.7	15.5	7.5	5.6	18,900	10.7	+172
	36.3	14.9	7.6	5.1	24,500	14.9	+173
19	3.3	17.1	7.2	7.7	5,710	2.7	+156
1110	9.9	16.8	7.2	7.6	6,550	3.3	+155
	16.5	16.5	7.2	7.1	8,950	4.9	+153
	23.1	16.2	7.4	6.7	12,700	6.8	+148
	29.7	15.9	7.4	6.3	15,300	8.9	+154
	36.3	15.4	7.6	5.7	20,200	12.0	+157
20	3.3	17.3	7.2	7.7	5,840	2.8	+166
1120	9.9	16.7	7.3	7.3	8,060	4.2	+166
	16.5	16.5	7.3	7.0	9,800	5.4	+166
	23.1	16.3	7.4	6.7	12,060	6.7	+167
	29.7	16.0	7.5	6.4	15,100	8.8	+167
	36.3	15.3	7.6	5.7	22,000	13.0	+168

TABLE 4B.--WATER-QUALITY FIELD DATA, LOWER CALCASIEU RIVER, LOUISIANA, MAY AND AUGUST 1985 AND MAY AND JUNE 1986

SITE NAME TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)
		MAY 8, 1985			
CALCASIEU RIVER	1.6	25.9	8.2	8.0	36,300
AT BUOY 47	45.2	25.2	---	---	37,100
1330					
		MAY 9, 1985			
CALCASIEU RIVER	1.6	26.1	6.7	4.7	5,220
AT BUOY 130	17.2	24.0	---	---	14,000
1815	32.3	23.3	---	---	31,700
CALCASIEU RIVER AT	1.6	27.5	8.5	11.1	10,900
PETROLEUM REFINERY	9.9	26.1	7.7	7.3	15,000
1730	37.3	24.0	---	---	32,500
CALCASIEU RIVER AT	1.6	26.8	8.3	11.0	14,400
INTRACOASTAL WATERWAY	39.3	24.8	---	---	30,200
1635					
CALCASIEU RIVER AT	1.6	25.5	7.6	6.8	4,570
BURTON LANDING	3.3	24.4	---	---	15,000
1055	34.3	24.4	---	---	31,800
		MAY 10, 1985			
CALCASIEU RIVER ABOVE	1.6	24.8	6.5	6.0	61
BAYOU SERPENT	9.9	24.2	6.4	5.6	63
1150					
BAYOU SERPENT	1.6	25.1	6.6	6.0	63
1140	17.2	23.2	6.5	0.7	218
CALCASIEU RIVER BELOW	1.6	24.6	6.6	6.0	62
BAYOU SERPENT	20.1	23.4	6.5	3.4	190
1130					
CALCASIEU RIVER BELOW	1.6	25.2	6.8	4.3	5,570
SALTWATER BARRIER	17.2	23.8	6.9	1.8	15,500
1250					

TABLE 4B.--WATER-QUALITY FIELD DATA, LOWER CALCASIEU RIVER, LOUISIANA, MAY AND AUGUST 1985 AND MAY AND JUNE 1986--CONTINUED

SITE NAME TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)
		MAY 29, 1985			
CALCASIEU RIVER ABOVE	1.6	27.9	6.8	9.1	63
BAYOU SERPENT	18.2	26.0	6.2	6.4	62
1630					
BAYOU SERPENT 300	1.6	27.4	6.6	8.6	59
FEET ABOVE MOUTH	16.2	24.5	6.0	0.6	117
1735					
WEST FORK CALCASIEU	1.6	27.2	6.6	6.2	363
1855	16.5	23.3	6.2	0.3	502
	26.4	24.9	---	0.3	4,160
	42.9	25.3	6.5	0.4	8,250
		MAY 30, 1985			
CALCASIEU RIVER AT	1.6	27.9	7.6	8.1	5,730
SHIP CHANNEL NEAR	13.2	27.5	7.2	5.5	7,680
BUOY 130	26.4	26.5	7.2	1.1	20,000
1700	42.9	24.6	7.2	0.4	25,700
CALCASIEU RIVER AT	1.6	27.9	7.6	8.4	5,360
BUOY 130	13.2	27.8	7.4	7.2	6,800
1730					
CALCASIEU RIVER AT	1.6	29.3	8.5	9.2	13,100
BUOY 114	20.1	28.7	8.4	8.1	13,500
1615					
CALCASIEU RIVER AT	1.6	29.0	8.6	9.9	14,400
BAYOU D'INDE	8.9	28.4	8.2	7.2	15,500
1530					
CALCASIEU RIVER AT	1.6	27.9	8.2	7.4	17,100
PETROLEUM REFINERY	28.0	26.3	7.5	0.8	23,600
1435					
CALCASIEU RIVER AT	1.6	27.5	8.2	7.4	17,400
BURTON LANDING	9.9	27.4	8.2	7.2	17,400
1340					
CALCASIEU RIVER AT	1.6	27.5	8.2	7.7	16,100
DEVIL'S ELBOW	32.1	27.0	8.0	6.1	17,900
1315					
CALCASIEU LAKE	1.6	26.8	8.2	7.2	20,000
1215					
CALCASIEU RIVER AT	1.6	27.1	8.0	4.8	34,500
BUOY 47 NEAR CAMERON	9.9	27.1	8.0	4.7	34,500
1100	19.8	27.0	8.1	5.0	34,600

TABLE 4B.--WATER-QUALITY FIELD DATA, LOWER CALCASIEU RIVER, LOUISIANA, MAY AND AUGUST 1985 AND MAY AND JUNE 1986--CONTINUED

SITE NAME TIME	DEPTH (FEET)	TEMP (DEG C)	DO (MG/L)	SPEC COND (US/CM)	ORP (MV)
		AUGUST 28, 1985			
CALCASIEU RIVER AT	1.6	29.0	5.9	6,500	+300
BUOY 130	5.9	28.5	5.3	7,400	+190
1130	13.2	29.0	0.9	31,500	---
	35.3	30.0	0.4	40,000	-100
CALCASIEU RIVER AT	1.6	29.5	7.4	12,000	+300
BAYOU D'INDE	9.9	30.0	1.0	31,000	+240
1630	20.1	30.0	0.6	40,000	+250
	45.2	30.0	2.1	42,500	+240
		AUGUST 29, 1985			
CALCASIEU RIVER AT	1.6	30.0	7.4	19,000	+360
PETROLEUM REFINERY	5.0	30.0	5.7	22,500	+400
0930	9.9	30.0	2.6	28,500	+380
	20.1	30.5	1.5	37,000	+280
	43.2	30.0	2.8	44,000	+320
CALCASIEU RIVER AT	1.6	30.5	8.8	21,000	+400
BURTON LANDING	9.9	29.0	3.9	35,000	+320
1130	20.1	28.0	4.0	42,000	+260
	44.2	30.0	2.0	43,000	+300
	45.2	30.0	1.9	44,500	+160
		AUGUST 30, 1985			
CALCASIEU LAKE	1.6	31.5	---	31,000	+700
1100	4.0	30.0	---	31,400	+700

SITE NAME TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
			MAY 19, 1986				
CALCASIEU RIVER	1.6	24.4	6.7	3.7	4,300	1.9	+140
AT BUOY 130	5.0	24.1	6.8	3.3	5,160	2.3	+140
1600							
CALCASIEU RIVER 300 FEET DOWN-STREAM FROM BAYOU D'INDE	3.6	28.3	7.6	7.9	10,600	5.3	+134
1530							

TABLE 4B.--WATER-QUALITY FIELD DATA, LOWER CALCASIEU RIVER, LOUISIANA, MAY AND AUGUST 1985 AND MAY AND JUNE 1986--CONTINUED

SITE NAME TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
BAYOU D'INDE AT MOUTH 1550	3.3	26.7	7.7	8.0	8,800	4.6	+131
INDUSTRIAL OUTFALL AT BAYOU D'INDE 1610	7.3	27.4	7.8	8.3	9,820	5.2	+091
INDUSTRIAL OUTFALL AT BRIDGE 0.25 MILE ABOVE MOUTH 1630	8.2	35.0	7.3	6.2	12,900	7.1	+138
			MAY 20, 1986				
INDUSTRIAL OUTOUTAT LOCKPORT MARSH BRIDGE 0900	3.3	34.1	7.6	5.2	12,570	7.0	+184
CALCASIEU RIVER AT BAYOU D'INDE 1730	1.6 41.2	26.4 24.5	8.0 7.1	9.0 4.1	8,010 31,500	4.1 12.9	+114 +145
CALCASIEU RIVER AT BUOY 130 SHIP CHANNEL 1800	1.6 42.9	26.8 25.4	7.0 7.6	6.8 3.0	4,740 28,700	2.1 17.5	+158 +127
			MAY 21, 1986				
CALCASIEU RIVER AT BURTON LANDING 1800	1.6 21.1	26.3 24.2	8.5 7.9	10.7 5.5	16,600 27,800	9.7 16.8	+141 +156
			MAY 22, 1986				
CALCASIEU RIVER AT PETROLEUM REFINERY 1030	1.6 11.2	25.5 25.0	8.0 7.8	10.7 5.4	16,600 20,800	9.7 16.8	+141 +156

TABLE 4B.--WATER-QUALITY FIELD DATA, LOWER CALCASIEU RIVER, LOUISIANA, MAY AND AUGUST 1985 AND MAY AND JUNE 1986--CONTINUED

SITE NAME TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
			JUNE 18, 1986				
CALCASIEU	1.6	29.3	5.9	3.1	81	0.0	+212
RIVER AT	4.0	27.6	5.9	2.8	88	0.0	+211
I-10	11.9	26.8	5.9	2.6	123	0.0	+198
BRIDGE	19.8	26.7	6.2	2.4	284	0.0	+153
1620	27.7	27.5	6.7	0.0	14,300	7.6	+040
	35.6	27.6	6.8	0.0	17,500	10.1	+018
	38.0	27.6	6.8	0.0	17,900	10.3	+008
CALCASIEU	1.6	31.0	6.3	6.1	218	0.0	+203
RIVER AT	4.0	28.7	6.1	3.6	181	0.0	+202
BUOY 114	11.6	27.1	6.2	2.7	192	0.0	+186
1540	19.1	26.9	6.4	2.4	390	0.0	+139
	24.1	27.3	6.5	1.2	8,400	4.2	+150
	27.1	27.4	6.7	0.2	13,320	7.4	+034
	34.6	27.7	7.0	0.1	18,900	10.9	-002
	37.0	27.7	7.0	0.0	22,000	13.0	-045
CALCASIEU	1.6	29.5	6.2	4.1	375	0.0	+177
RIVER 300	4.0	28.0	6.1	3.0	736	0.0	+184
FEET UP-	11.9	27.5	6.2	2.5	1,380	0.2	+168
STREAM FROM	19.8	27.4	6.3	2.0	2,340	1.3	+108
BAYOU D'INDE	27.7	27.7	6.8	1.0	12,900	7.1	+072
1450	35.6	27.8	7.1	0.8	23,000	13.7	+052
	38.0	27.8	7.1	0.0	24,000	14.4	+063
CALCASIEU	1.6	29.1	6.2	4.1	791	0.0	+163
RIVER AT	4.0	28.2	6.3	3.5	1,100	0.2	+167
PETROLEUM	11.9	27.9	6.4	3.1	1,570	0.3	+155
REFINERY	19.8	27.7	6.6	2.0	6,450	2.9	+117
1400	27.7	27.8	7.0	0.7	17,800	10.4	+039
	35.6	27.8	7.4	0.0	28,800	17.6	-054
CALCASIEU	1.6	29.4	6.5	4.4	2,240	0.7	+154
RIVER AT	3.6	29.2	6.5	4.2	2,240	0.7	+150
BURTON	11.2	28.0	6.5	2.7	3,470	1.4	+140
LANDING	18.8	27.8	7.0	1.6	13,520	7.4	+089
1245	26.4	27.9	7.4	0.4	27,200	16.6	+041
	34.0	27.8	7.6	0.0	32,400	20.2	+021
	36.0	27.8	7.6	0.3	32,300	20.1	+099

TABLE 5.--PARTICLE-SIZE DISTRIBUTION OF BOTTOM MATERIAL, SUSPENDED-SEDIMENT CONCENTRATIONS, AND MISCELLANEOUS DISCHARGE MEASUREMENTS DATA FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, 1984-87

[PERCENT FINER BY WEIGHT THAN INDICATED SIZE, IN MILLIMETERS (MM); MG/L, MILLIGRAMS PER LITER; DASHES (---), NOT RECORDED]

PARTICLE-SIZE DISTRIBUTION OF BOTTOM MATERIAL, MAY 1985

SIZE	[1]SITE 1	2	3	4	5	6	7	8	9	10
1.00	100	100	99.8	100	100	100	100	100	100	100
0.50	96.6	100	90.4	100	100	100	100	100	100	100
0.35	59.5	78.6	34.5	100	99.7	100	99.8	99.8	100	99.6
0.25	11.2	75.8	3.1	98.8	95.7	99.8	95.8	98.4	99.8	98.2
0.177	5.0	70.8	1.3	95.8	88.8	98.6	84.4	93.4	97.2	92.6
0.125	2.4	69.0	0.5	91.2	81.9	97.2	74.0	81.2	90.0	81.8
0.088	1.8	67.6	0.3	81.8	72.9	95.0	61.6	65.8	80.4	65.2
0.074	1.6	66.6	0.3	77.6	67.3	93.6	65.4	58.4	74.6	57.2
0.0625	1.4	65.8	0.2	75.6	64.0	92.2	64.4	54.8	70.8	54.0
0.0312	---	32.6	---	46.9	52.1	96.1	42.1	41.2	43.4	43.7
0.0156	---	25.5	---	33.5	35.8	82.0	31.3	27.7	28.7	39.9
0.0078	---	18.8	---	31.3	32.1	30.6	24.6	23.9	24.9	37.7
0.0039	---	15.3	---	22.7	22.7	10.2	19.2	20.7	21.4	31.3
0.00195	---	9.6	---	18.5	18.5	9.5	14.1	17.9	18.2	23.0

[1]SITE 1, BAYOU SERPENT
2, WEST FORK CALCASIEU
3, CALCASIEU RIVER EAST OF MOSS BLUFF
4, CALCASIEU RIVER AT BUOY 130
5, CALCASIEU RIVER AT BAYOU D'INDE
6, CALCASIEU RIVER AT PETROLEUM REFINERY
7, CALCASIEU RIVER AT DEVIL'S ELBOW
8, CALCASIEU RIVER AT BURTON LANDING
9, CALCASIEU LAKE
10, CALCASIEU RIVER AT BUOY 47

AUGUST 1985

SIZE	[2]SITE 1	2	3	4	5
1.00	100	100	100	100	100
0.50	100	100	100	100	100
0.35	97.6	99.6	98.6	98.6	100
0.25	91.8	96.6	97.6	88.8	100
0.177	81.0	91.4	84.2	77.8	99.6
0.125	76.2	82.6	78.4	73.2	98.6
0.088	70.2	72.0	71.4	65.0	95.4
0.074	66.6	65.8	68.2	59.8	91.6
0.0625	64.8	64.8	66.2	57.8	88.8
0.0312	54.5	49.7	54.9	30.9	67.6
0.0156	44.2	35.5	46.5	24.9	50.4
0.0078	36.0	24.0	38.0	21.7	44.3
0.0039	29.0	15.3	15.6	16.3	37.6
0.00195	20.4	12.8	11.2	13.4	24.5

[2]SITE 1, CALCASIEU RIVER AT BUOY 130
2, CALCASIEU RIVER AT BAYOU D'INDE
3, CALCASIEU RIVER AT PETROLEUM REFINERY
4, CALCASIEU RIVER AT BURTON LANDING
5, CALCASIEU LAKE

NOVEMBER 1985

SIZE	[3]SITE 1	2	3
1.00	100	100	100
0.50	100	100	100
0.35	100	100	99.2
0.25	99.8	98.6	92.2
0.177	99.6	93.8	80.0
0.125	98.2	87.8	68.0
0.088	95.4	77.2	60.0
0.074	90.4	73.0	55.4
0.0625	83.2	69.6	51.8
0.0312	52.6	56.8	51.8
0.0156	41.5	40.8	34.5
0.0078	33.2	36.7	30.0
0.0039	28.7	27.7	24.3
0.00195	24.9	21.4	18.5

[3]SITE 1, CALCASIEU RIVER AT RAILROAD BRIDGE
2, CALCASIEU RIVER AT PETROLEUM REFINERY
3, CALCASIEU RIVER AT BURTON LANDING

TABLE 5.--PARTICLE-SIZE DISTRIBUTION OF BOTTOM MATERIAL, SUSPENDED-SEDIMENT CONCENTRATIONS, AND MISCELLANEOUS DISCHARGE MEASUREMENTS DATA FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, 1984-87--CONTINUED

[PERCENT FINER BY WEIGHT THAN INDICATED SIZE, IN MILLIMETERS]

INCREMENTAL PARTICLE-SIZE DISTRIBUTION OF BOTTOM MATERIAL FROM CORINGS OF THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 19, 1986

	CALCASIEU RIVER AT BAYOU D'INDE					CALCASIEU RIVER AT PETROLEUM REFINERY			
	CORE SECTION (IN FEET) 1, 0.1 - 0.5; 2, 0.6 - 1.0; 3, 1.1 - 1.5; 4, 1.6 - 2.0; 5, 2.1 - 2.4					CORE SECTION: (IN FEET) 1, 0.1 - 0.3; 2, 0.4 - 0.6; 3, 0.7 - 0.9; 4, 1.0 - 1.2			
SIZE	CORE SECTION 1	2	3	4	5	CORE SECTION 1	2	3	4
1.00	100	100	100	100	100	100	100	100	100
0.50	100	100	100	99.8	99.8	100	100	100	100
0.35	99.6	99.8	99.6	98.2	98.2	100	100	100	100
0.25	94.6	98.0	96.8	94.4	79.0	100	100	100	100
0.177	79.6	94.0	91.4	86.0	35.2	99.0	100	100	100
0.125	73.6	92.2	90.0	82.0	26.6	93.6	100	100	100
0.088	69.2	90.4	88.6	75.4	23.0	80.8	100	100	100
0.074	67.0	89.4	88.0	70.8	22.0	73.8	100	100	100
0.0625	65.4	88.4	87.4	67.4	21.4	69.0	100	100	100
0.0312	53.6	79.1	63.2	49.1	19.4	46.6	55.8	77.2	35.7
0.0156	42.7	75.0	54.6	39.9	16.9	37.9	43.1	70.3	26.8
0.0078	35.7	61.2	45.3	34.5	15.3	30.3	37.0	62.7	21.4
0.0039	28.7	52.9	38.6	29.0	13.4	25.2	30.6	53.8	16.3
0.00195	20.1	9.6	27.5	23.3	12.1	22.0	24.9	44.9	12.8

CONCENTRATION AND PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT

	CONCENTRATIONS, IN MG/L			PERCENT FINER BY WEIGHT THAN INDICATED SIZE, IN MM					
DISTANCE (FEET)	SAND	SILT AND CLAY	TOTAL	0.0625	0.0312	0.0156	0.0078	0.0039	0.00195
DISTANCE FROM LEFT BANK OF CALCASIEU RIVER AT BUOY 130, NOVEMBER 1, 1985									
81	13	48	61	---	---	---	---	---	---
120	15	42	57	---	---	---	---	---	---
160	17	40	57	---	---	---	---	---	---
210	28	44	72	100	58.2	55.7	50.9	48.4	44.1
250	25	42	67	100	59.0	56.5	51.3	45.6	40.3
330	27	46	73	100	93.5	86.0	75.2	71.0	54.6
370	58	42	100	100	83.2	77.8	66.7	55.3	47.5
422	32	59	91	100	60.8	56.8	50.7	45.5	42.5
486	33	40	73	---	---	---	---	---	---
526	19	37	56	---	---	---	---	---	---
DISTANCE FROM LEFT BANK OF CALCASIEU RIVER AT PETROLEUM REFINERY, NOVEMBER 1, 1985									
290	5	66	71	100	91.7	86.1	77.5	68.5	59.2
440	15	68	83	100	80.8	74.7	67.1	61.0	51.3
590	19	139	158	100	81.4	73.6	---	---	---
700	17	141	158	100	76.7	72.8	61.6	52.6	43.0

TABLE 5.--PARTICLE-SIZE DISTRIBUTION OF BOTTOM MATERIAL, SUSPENDED-SEDIMENT CONCENTRATIONS, AND MISCELLANEOUS DISCHARGE MEASUREMENTS DATA FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, 1984-87--CONTINUED

DISTANCE (FEET)	CONCENTRATIONS, IN MG/L SAND	SILT AND CLAY	TOTAL	PERCENT FINER BY WEIGHT THAN INDICATED SIZE, IN MM 0.0625	0.0312	0.0156	0.0078	0.0039	0.00195
DISTANCE FROM LEFT BANK OF CALCASIEU RIVER AT BURTON LANDING, NOVEMBER 1, 1985									
175	7	77	84	100	87.5	86.2	88.9	81.8	75.7
350	19	198	217	100	84.3	77.0	67.5	59.3	60.2
525	16	190	206	---	---	---	---	---	---
620	13	180	193	100	88.1	79.2	71.0	60.3	52.4

DEPTH, IN FEET; TOTAL CONCENTRATIONS, IN MG/L

CALCASIEU RIVER AT BURTON LANDING		CALCASIEU RIVER AT RAILROAD BRIDGE		CALCASIEU RIVER AT BAYOU D'INDE	
DEPTH	TOTAL	DEPTH	TOTAL	DEPTH	TOTAL
1	9	3.2	59	3.8	8
34	21	9.6	52	11.4	6
		16.0	18	19.0	10
		22.4	8	26.6	15
		28.8	3	34.2	15

BAYOU D'INDE AT INDUSTRIAL OUTFALL		CALCASIEU RIVER AT PETROLEUM REFINERY		CALCASIEU RIVER AT BURTON LANDING	
DEPTH	TOTAL	DEPTH	TOTAL	DEPTH	TOTAL
0.8	11	0.9	9	3.7	41
2.4	13	2.7	10	11.1	24
4.0	12	4.5	12	18.5	17
5.6	10	6.3	11	25.9	13
7.2	12	8.1	13	33.3	20

TABLE 5.--PARTICLE-SIZE DISTRIBUTION OF BOTTOM MATERIAL, SUSPENDED-SEDIMENT CONCENTRATIONS, AND MISCELLANEOUS DISCHARGE MEASUREMENTS DATA FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, 1984-87--CONTINUED

MISCELLANEOUS DISCHARGE MEASUREMENTS

[DISCHARGE IN CUBIC FEET PER SECOND, NEGATIVE NUMBERS INDICATE UPSTREAM FLOW]

LOWER CALCASIEU RIVER AT RAILROAD BRIDGE AT LAKE CHARLES, LOUISIANA, MARCH 1985 TO JULY 1987

DATE	DISCHARGE	DATE	DISCHARGE
03-21-85	21,700	02-06-87	717
04-11-85	-960	02-10-87	-1,610
05-09-85	-924	02-11-87	3,230
06-05-85	-3,050	02-23-87	4,340
07-30-85	916	03-09-87	-1,470
11-01-85	71,000	03-10-87	15,800
05-01-86	-2,370	03-17-87	6,810
05-01-86	-1,750	04-08-87	593
05-02-86	2,910	04-21-87	-1,860
05-02-86	1,990	04-22-87	1,600
05-02-86	691	05-05-87	-1,710
06-18-86	-887	05-06-87	1,950
01-13-87	6,330	05-19-87	-383
01-13-87	8,310	06-03-87	6,010
01-13-87	7,470	06-15-87	6,520
01-13-87	4,390	07-14-87	5,540
01-13-87	-1,130	07-15-87	3,070
01-13-87	-408		

LOWER CALCASIEU RIVER AT BURTON LANDING, LOUISIANA, OCTOBER 1984 TO JANUARY 1987

10-24-84	45,200	05-01-86	-4,330
03-21-85	30,500	05-01-86	-33,000
04-10-85	-32,300	05-02-86	15,500
04-11-85	-19,200	05-02-86	9,880
05-09-85	-30,000	05-02-86	7,030
06-05-85	-29,400	01-13-87	23,300
07-29-85	7,790	01-13-87	6,760
08-27-85	-2,140	01-13-87	-8,100
05-01-86	-18,400	01-13-87	-481

MISCELLANEOUS DISCHARGE MEASUREMENTS OF THE BAYOU D'INDE AREA, LOUISIANA, APRIL 1987 TO JUNE 1988

SITE NAME	DATE	DISCHARGE
INDUSTRIAL OUTFALL ABOVE I-210 BRIDGE	04-15-87	253
INDUSTRIAL OUTFALL ABOVE I-210 BRIDGE	09-17-87	358
INDUSTRIAL OUTFALL AT LOCKPORT MARSH BRIDGE	09-17-87	394
BAYOU D'INDE 0.5 MILE BELOW INDUSTRIAL OUTFAL	09-17-87	356
INDUSTRIAL OUTFALL AT BRIDGE 0.25 MILE ABOVE BAYOU D'INDE	06-21-88	333
BAYOU D'INDE 0.5 MILE BELOW INDUSTRIAL OUTFALL	06-21-88	975

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985

[<, LESS THAN]

301832093065300 - CALCASIEU RIVER 3.9 MILES EAST OF MOSS BLUFF, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)
MAY 1985 29...	1730	2380	<0.1	<2.0	0.08	0.07	1.9	0.8	0.5

DATE	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)
MAY 1985 29...	<20	0.06	0.03	0.04	<1	<1	1	<100	<100	200

DATE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
MAY 1985 29...	1	<1	<1	<10	<10	70	2	<1	3	2	5	1000

DATE	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
MAY 1985 29...	200	5400	1	1	30	100	<10	310	<0.1	0.01	<1	<1

DATE	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)
MAY 1985												
29...	<1	<1	10	10	20	9.2	1.1	0.2	0.1	0.3	<3	<3

DATE	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)
MAY 1985												
29...	<3	<3	<3	<3	<3	<3	<5	<5	<5	<10	<10	<10

DATE	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHRYSENE TOTAL (UG/L)	DIETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	FLUORANTHENE TOTAL (UG/L)	FLUORENE TOTAL (UG/L)
MAY 1985												
29...	<5	<5	<5	<5	<3	<3	<10	<5	<5	<3	<5	<5

DATE	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	HEXACHLOROETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISOPHORONE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	NITROBENZENE TOTAL (UG/L)	PARACHLORO META CRESOL TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<10	<5	<3	<3	<5	<5	<5	<5	<30

DATE	PHENANTHRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<3	<3	<3	<3	<3	<3	<3	<10	<5

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZANTHRACENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)
MAY 1985											
29...	<5	<3	<3	<5	<10	<3	<5	<5	<3	<5	<5

DATE	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
MAY 1985											
29...	<5	<10	<5	<5	<5	<20	<20	<5	<5	<5	<30

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	PHENOL (C6H50H) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1985											
29...	<30	<3	<5	<5	<30	<5	<5	<3	<3	<5	<5

301824093063600 - BAYOU SERPENT 4.2 MILES EAST OF MOSS BLUFF, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
MAY 1985									
29...	1800	60300	<0.1	<0.1	<2.0	0.11	0.10	58	0.8

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)
MAY 1985										
29...	0.6	0.2	0.07	0.04	0.02	360	<1	<1	6	<100

DATE	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
MAY 1985											
29...	<100	30	1	<1	<1	<10	<10	20	1	<1	2

DATE	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
MAY 1985											
29...	3	<1	1500	170	1900	9	2	10	150	30	300

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
MAY 1985											
29...	<0.1	0.06	<1	<1	<1	<1	20	10	1	7.2	1.2

DATE	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	ACENAPHTHYLENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)
MAY 1985											
29...	16	0.1	16	<5	<5	<10	<10	<10	<5	<5	<5

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	CHRYSENE TOTAL (UG/L)	DIETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE TOTAL (UG/L)	FLUORANTHENE TOTAL (UG/L)	FLUORENE TOTAL (UG/L)	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	HEXACHLOROETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISOPHORONE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)
MAY 1985											
29...	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<5

DATE	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	NITROBENZENE TOTAL (UG/L)	PARACHLORO-META CRESOL TOTAL (UG/L)	PHENANTHRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<5	<30	<5	<5	<10	<5	<5	<10	<5

DATE	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<5	<5	<10	<5	<5	<5	<20	<20	<5

DATE	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<30	<30	<5	<5	<30	<5	<5	<5	<5

301552093123500 - WEST FORK CALCASIEU RIVER 1.0 MILE NORTHWEST OF GOOSPORT, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)
MAY 1985										
29...	1845	35300	0.20	0.14	<2.0	0.16	0.16	12	0.6	0.7

DATE	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)
MAY 1985 29...	770	0.06	0.02	0.02	260	<1	<1	4	<100	<100

DATE	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
MAY 1985 29...	40	1	<1	<1	<10	<10	30	3	1	5	2	3

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)
MAY 1985 29...	1100	250	2200	8	9	10	380	310	340	<0.1	0.03

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)
MAY 1985 29...	<1	<1	<1	<1	10	20	9	8.9	0.5	11	0.1

DATE	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISOPROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)
MAY 1985 29...	11	<5	<5	<5	<10	<10	<10	<5	<5	<5	<5

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	CHRYSENE TOTAL (UG/L)	DIETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE TOTAL (UG/L)	FLUORANTHENE TOTAL (UG/L)	FLUORENE TOTAL (UG/L)	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	HEXACHLOROETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISOPHORONE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)
MAY 1985											
29...	<10	<5	<5	<5	<5	<5	<5	<10	<5	<5	<5

DATE	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	NITROBENZENE TOTAL (UG/L)	PARACHLOROMETA CRESOL TOTAL (UG/L)	PHENANTHRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<30	<5	<5	<10	<5	<5	<5	<10	<5

DATE	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<5	<5	<10	<5	<5	<5	<20	<20	<5

DATE	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1985											
29...	<5	<5	<30	<30	<5	<5	<30	<5	<5	<5	<5

301404093144800 - CALCASIEU RIVER AT BUOY 130 AT LAKE CHARLES, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)
MAY 1985										
29...	1930	57200	0.20	0.17	<2.0	0.17	0.20	23	0.7	0.6

DATE	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
MAY 1985 29...	<20	0.05	0.02	0.01	560	<1	<1	2	<100	<100	240	31

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
MAY 1985 29...	<1	<1	10	<10	80	2	1	3	3	8	330	40

DATE	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)
MAY 1985 29...	6400	13	5	30	160	90	170	0.2	0.09	<1	2	<1

DATE	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)
MAY 1985 29...	<1	20	20	30	6.8	0.5	18	0.1	18	<3	<3	<3

DATE	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)
MAY 1985 29...	<3	<3	<3	<3	<3	<5	<5	<5	<10	<10	<10	<5

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)
MAY 1985 29...	<5	<5	<5	<3	<3	<10	<5	<5	<3	<5	<5

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1985 29...	<5	<5	<10	<5	<3	<3	<5	<5	<5	<5	<30

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1985 29...	<5	<5	<3	<3	<3	<3	<3	<3	<3	<10	<5

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-PHENOL TOTAL (UG/L)
MAY 1985 29...	<5	<3	<3	<5	<10	<3	<5	<5	<3	<5	<5

DATE	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)
MAY 1985 29...	<5	<10	<5	<5	<5	<20	<20	<5	<5	<5	<30

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
MAY 1985 29...	<30	<3	<5	<5	<30	<5	<5	<3	<3	<5	<5

301240093153000 - CALCASIEU RIVER AT BUOY 114 AT LAKE CHARLES, LOUISIANA

DATE	TIME	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS-PHORUS TOTAL (MG/L AS P)
MAY 1985 30...	1630	47600	<0.10	<0.10	<2.0	0.07	0.10	3.8	1.0	1.2	<20	0.09

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
MAY 1985 30...	0.04	0.02	180	<1	<1	4	<100	<100	350	1	<1	<1

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
MAY 1985 30...	10	10	30	2	<1	6	5	4	200	40	1400	8

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
MAY 1985 30...	8	10	110	<10	260	<0.1	0.06	<1	<1	<1	<1	10

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INOR-GANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)
MAY 1985											
30...	10	10	6.7	1.3	6.1	0.1	6.2	<3	<3	<3	21

DATE	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)
MAY 1985											
30...	<3	3.3	<3	<3	<5	<5	<5	<10	<10	<10	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)
MAY 1985											
30...	<5	<5	<5	<3	<3	<10	<5	<5	<3	<5	<5

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1985											
30...	<5	<5	<10	<5	<3	<3	<5	<5	<5	<5	<30

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1985											
30...	<5	<5	<3	<3	<3	<3	<3	<3	<3	<10	<5

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)
MAY 1985											
30...	<5	<3	<3	<5	<10	<3	<5	<5	<3	<5	<5

DATE	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYLPHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
MAY 1985											
30...	<5	<10	<5	<5	<5	<20	<20	<5	<5	<5	<30

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1985											
30...	<30	<3	<5	<5	<30	<5	<5	<3	<3	<5	<5

301150093171600 - CALCASIEU RIVER AT BAYOU D'INDE, 2.8 MILES SOUTHEAST OF HOLLYWOOD, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)
MAY 1985												
30...	1530	152000	<0.10	2.0	0.29	4.7	1.0	3200	0.08	520	<1	<1

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)
MAY 1985												
30...	8	<100	<100	160	31	1	<1	10	<10	200	1	2

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)
MAY 1985												
30...	6	3	110	150	40	4900	11	<1	30	100	<10	160

DATE	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)
MAY 1985												
30...	0.10	0.80	<1	<1	1	<1	20	10	70	7.4	1.1	73

DATE	CARBON, INOR-GANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)
MAY 1985												
30...	0.2	73	<3	<3	4.0	19	3.1	3.2	<3	<3	<5	<5

DATE	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)
MAY 1985												
30...	<5	<10	<10	<10	<5	<5	<5	<5	<3	<3	<10	<5

DATE	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)	CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO -SODI-PHENY-LAMINE TOTAL (UG/L)
MAY 1985												
30...	<5	<3	<5	<5	<5	<5	<10	<5	<3	<3	<5	<5

DATE	N-NITRO-SODIMETHYLAMINE TOTAL (UG/L)	NITROBENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PHENANTHRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)
MAY 1985												
30...	<5	<5	<30	<5	<5	<3	<3	<3	<3	<3	<3	<3

DATE	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)
MAY 1985												
30...	<10	<5	<5	<3	<3	<5	<10	<3	<5	<5	<3	<5

DATE	2-CHLOROPHENOL TOTAL (UG/L)	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
MAY 1985												
30...	<5	<5	<10	<5	<5	<5	<20	<20	<5	<5	<5	<30

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1985											
30...	<30	<3	<5	<5	<30	<5	<5	<3	<3	<5	<5

300957093190800 - CALCASIEU RIVER AT PETROLEUM REFINERY, 3.9 MILES SOUTH OF HOLLYWOOD, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)
MAY 1985												
30...	1430	105000	0.20	0.18	<2.0	1.3	1.2	2.4	2.0	1.9	2000	0.07

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
MAY 1985												
30...	0.05	0.02	780	<1	<1	11	<100	<100	190	1	1	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAY 1985												
30...	10	10	330	1	<1	4	4	60	180	60	14000	8

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
MAY 1985												
30...	<1	70	80	10	590	0.1	0.50	<1	<1	<1	<1	10

DATE	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)
MAY 1985											
30...	40	90	7.9	0.9	28	0.8	29	<3	<3	<3	<3

DATE	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)
MAY 1985											
30...	<3	<3	<3	<3	<5	<5	<5	<10	<10	<10	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<5	<3	<3	<10	<5	<5	<3	<5	<5

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1985 30...	<5	<5	<10	<5	<3	<3	<5	<5	<5	<5	<30

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<3	<3	<3	<3	<3	<3	<3	<10	<5

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-PHENOL TOTAL (UG/L)
MAY 1985 30...	<5	<3	<3	<5	<10	<3	<5	<5	<3	<5	<5

DATE	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)
MAY 1985 30...	<5	<10	<5	<5	<5	<20	<20	<5	<5	<5	<30

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
MAY 1985											
30...	<30	<3	<5	<5	<30	<5	<5	<3	<3	<5	<5

300606093184400 - CALCASIEU RIVER AT DEVIL'S ELBOW, 5.5 MILES NORTHWEST OF GRAND LAKE, LOUISIANA

DATE	TIME	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)
MAY 1985												
30...	1315	123000	<0.10	<0.10	2.0	0.13	0.11	4.0	1.4	0.5	1700	0.05

DATE	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
MAY 1985												
30...	0.01	<0.01	330	<1	<1	12	<100	70	1	<1	<1	10

DATE	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)
MAY 1985												
30...	90	1	<1	6	1	8	510	50	13000	10	3	20

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY 1985												
30...	100	10	160	0.2	0.03	<1	<1	<1	<1	20	20	20

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INOR-GANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)
MAY 1985 30...	7.8	0.9	56	0.1	56	<5	<5	<5	<10	<10	<10	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5

DATE	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<5	<5	<30	<5	<5	<10	<5	<5	<5	<10

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<5	<5	<5	<10	<5	<5	<5	<20	<20	<5

DATE	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)	4,6-DINITRO -ORTHO-CRESOL TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<30	<30	<5	<5	<30	<5	<5	<5	<5

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

08017090 - CALCASIEU RIVER AT BURTON LANDING NEAR LAKE CHARLES, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)
MAY 1985												
30...	1345	41600	<0.10	<0.10	<2.0	0.17	0.17	4.9	1.0	0.6	1100	0.06

DATE	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
MAY 1985												
30...	0.02	<0.01	360	<1	<1	5	<100	<100	180	1	<1	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAY 1985												
30...	20	10	70	1	<1	4	2	9	270	40	5300	7

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
MAY 1985												
30...	1	20	90	10	140	0.1	0.09	<1	<1	<1	<1	10

DATE	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)
MAY 1985											
30...	20	30	6.5	0.9	11	0.2	11	<3	<3	<3	<3

DATE	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)
MAY 1985 30...	<3	<3	<3	<3	<5	<5	<5	<10	<10	<10	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<5	<3	<3	<10	<5	<5	<3	<5	<5

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1985 30...	<5	<5	<10	<5	<3	<3	<5	<5	<5	<5	<30

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<3	<3	<3	<3	<3	<3	<3.0	<10	<5

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-PHENOL TOTAL (UG/L)
MAY 1985 30...	<5	<3	<3	<5	<10	<3	<5	<5	<3	<5	<5

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)
MAY 1985											
30...	<5	<10	<5	<5	<5	<20	<20	<5	<5	<5	<30

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
MAY 1985											
30...	<30	<3	<5	<5	<30	<5	<5	<3	<3	<5	<5

300127093184900 - CALCASIEU LAKE, 2.3 MILES NORTHEAST OF HACKBERRY, LOUISIANA

DATE	TIME	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)
MAY 1985												
30...	1200	35900	<0.10	<0.10	<2.0	0.16	0.15	7.6	1.2	0.7	<20	0.09

DATE	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
MAY 1985												
30...	0.05	0.03	440	<1	<1	6	<100	<100	360	1	1	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAY 1985 30...	20	10	70	2	<1	6	3	8	1700	90	6700	8

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
MAY 1985 30...	<5	10	180	20	180	0.1	0.05	<1	<1	<1	<1	20

DATE	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE TOTAL (UG/L)	ACENAPHTHENE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)
MAY 1985 30...	20	380	7.8	1.7	7.4	0.8	8.2	<5	---	<5	---	<5
JUN 04...	---	---	---	---	---	---	---	---	<10	---	<10	---

DATE	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)
MAY 1985 30...	---	<10	---	<10	---	<10	---	<5	---	<5	---	<5
JUN 04...	<10	---	<10	---	<10	---	17	---	<10	---	<10	---

DATE	BIS (2-CHLOROISOPROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE BOT.MAT (UG/KG)	CHRYSENE TOTAL (UG/L)	CHRYSENE BOT.MAT (UG/KG)	DIETHYL PHTHALATE TOTAL (UG/L)	DIETHYL PHTHALATE BOT.MAT (UG/KG)	DIMETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE BOT.MAT (UG/KG)	FLUORANTHENE TOTAL (UG/L)	FLUORANTHENE BOT.MAT (UG/KG)	FLUORENE TOTAL (UG/L)
MAY 1985 30...	---	<5	---	<10.0	---	<5	---	<5	---	<5	---	<5
JUN 04...	<27	---	<10	---	<10	---	<10	---	<10	---	<10	---

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
MAY 1985												
30...	---	<5	---	<5	---	<10	---	<5	---	<5	---	<5
JUN												
04...	<10	---	<20	---	<18	---	<13	---	<10	---	<33	---

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)
MAY 1985											
30...	---	<5	---	---	<5	---	<30	---	<5	---	<5
JUN											
04...	<10	---	<18	<10	---	<10	---	<20	---	<10	---

DATE	PYRENE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)
MAY 1985											
30...	---	<10	---	<5	---	<5	---	<5	---	<10	---
JUN											
04...	<10	---	15	---	<10	---	<10	---	<10	---	<16

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)
MAY 1985											
30...	<5	---	<5	---	<5	---	<5	---	<5	---	<10
JUN											
04...	---	<10	---	<10	---	<10	---	<20	---	<21	---

DATE	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)
MAY 1985											
30...	---	<5	---	<5	---	<5	---	<20	---	<20	---
JUN											
04...	<10	---	<20	---	<20	---	<20	---	<53	---	<20

DATE	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)
MAY 1985											
30...	<5	---	<5	---	<5	<30	---	<30	---	<5	---
JUN											
04...	---	<18	---	<15	<10	---	<25	---	<37	---	<20

DATE	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	PENTACHLOROPHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)
MAY 1985											
30...	<5	<30	---	<5	---	<5	---	<5	---	<5	---
JUN											
04...	---	---	<30	---	<10	---	<25	---	<15	---	<12

294605093204200 - CALCASIEU RIVER AT BUOY 47, 2.4 MILES SOUTHWEST OF CAMERON, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)
MAY 1985												
30...	1100	30900	<0.10	<0.10	<2.0	0.43	0.34	7.4	0.8	0.5	<20	0.06

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
MAY 1985												
30...	0.03	0.02	330	<1	<1	6	<100	<100	70	1	2	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
MAY 1985												
30...	30	20	40	2	<1	5	2	3	1300	80	3300	6

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
MAY 1985												
30...	1	10	80	30	170	0.2	0.05	<1	1	<1	3	---

DATE	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)
MAY 1985											
30...	40	20	6.5	0.6	3.0	2.2	5.2	<3	<3	<3	<3

DATE	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)
MAY 1985											
30...	<3	<3	<3	<3	<5	<5	<5	<10	<10	<10	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<5	<3	<3	<10	<5	<5	<3	<5	<5

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1985 30...	<5	<5	<10	<5	<3	<3	<5	<5	<5	<5	<30

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1985 30...	<5	<5	<3	<3	<3	<3	<3	<3	<3.0	<10	<5

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-PHENOL TOTAL (UG/L)
MAY 1985 30...	<5	<3	<3	<5	<10	<3	<5	<5	<3	<5	<5

DATE	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)
MAY 1985 30...	<5	<10	<5	<5	<5	<20	<20	<5	<5	<5	<30

TABLE 6.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1985--CONTINUED

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
MAY 1985											
30...	<30	<3	<5	<5	<30	<5	<5	<3	<3	<5	<5

IN SITU WATER-QUALITY MEASUREMENTS, MAY 29-30, 1985

MAY 29, 1985

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)
CALCASIEU RIVER ABOVE BAYOU SERPENT 1630	1.6	27.9	6.8	9.1	63
	18.2	26.0	6.2	6.4	62
BAYOU SERPENT 300 FEET ABOVE MOUTH 1735	1.6	27.4	6.6	8.6	59
	16.2	24.5	6.0	0.6	117
WEST FORK CALCASIEU RIVER 1855	1.6	27.2	6.6	6.2	363
	16.5	23.3	6.2	0.3	502
	26.4	24.9	---	0.3	4,160
	36.3	25.3	6.5	0.4	8,250

MAY 30, 1985

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)
CALCASIEU RIVER AT SHIP CHANNEL NEAR BUOY 130 1700	1.6	27.9	7.6	8.1	5,730
	13.2	27.5	7.2	5.5	7,680
	26.4	26.5	7.2	1.1	20,000
	42.9	24.6	7.2	0.4	25,700
CALCASIEU RIVER AT BUOY 130 1730	1.6	27.9	7.6	8.4	5,360
	13.2	27.8	7.4	7.2	6,800
CALCASIEU RIVER AT BUOY 114 1615	1.6	29.3	8.5	9.2	13,100
	20.1	28.7	8.4	8.1	13,500

MAY 30, 1985--CONTINUED

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)
CALCASIEU RIVER AT BAYOU D'INDE 1530	1.6	29.0	8.6	9.9	14,400
	8.9	28.4	8.2	7.2	15,500
CALCASIEU RIVER AT PETROLEUM REFINERY 1435	1.6	27.9	8.2	7.4	17,100
	28.0	26.3	7.5	0.8	23,600
CALCASIEU RIVER AT BURTON LANDING 1340	1.6	27.5	8.2	7.4	17,400
	9.9	27.4	8.2	7.2	17,400
CALCASIEU RIVER AT DEVIL'S ELBOW 1315	1.6	27.5	8.2	7.7	16,100
	23.1	27.0	8.0	6.1	17,900
CALCASIEU LAKE 1215	1.6	26.8	8.2	7.2	20,000
CALCASIEU RIVER AT BUOY 47 NEAR CAMERON 1100	1.6	27.1	8.0	4.8	34,500
	9.9	27.1	8.0	4.7	34,500
	19.8	27.0	8.1	5.0	34,600

TABLE 7.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, AUGUST 1985

[<, LESS THAN]

301404093144800 - CALCASIEU RIVER AT BUOY 130 AT LAKE CHARLES, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)
AUG 1985 28...	1130	64900	<0.10	<0.88	47	0.13	0.14	1800	0.8	0.6	810	0.15

DATE	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
AUG 1985 28...	0.10	0.09	340	1	1	4	100	100	130	<1	<1	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
AUG 1985 28...	80	<10	100	1	<1	7	3	20	400	40	3500	2

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
AUG 1985 28...	1	30	220	50	42	<0.1	0.08	<1	<1	<1	<1	20

DATE	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)
AUG 1985 28...	20	30	11	0.4	20	0.1	20	<3	<3	<3	<3	<3

TABLE 7.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, AUGUST 1985--CONTINUED

DATE	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)
AUG 1985 28...	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

DATE	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)
AUG 1985 28...	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

301150093171600 - CALCASIEU RIVER AT BAYOU D'INDE, 2.8 MILES SOUTHEAST OF HOLLYWOOD, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)
AUG 1985 28...	1630	131000	<0.10	<0.10	14	0.09	100	0.9	0.5	950	0.14	0.12

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHORUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
AUG 1985 28...	0.06	1500	1	<1	6	100	<100	300	1	1	<1	10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
AUG 1985 28...	<10	450	<1	<1	7	2	270	190	30	9500	2	<1

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
AUG 1985 28...	70	100	10	360	<0.1	2.0	<1	<1	2	<1	30	20

DATE	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)
AUG 1985 28...	140	12	1.6	58	0.5	58	<3	<3	7.0	100	7.5

DATE	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)
AUG 1985 28...	7.8	<3	<3	<3	<3	<3	<3	9.8	4.3	<3	<3

DATE	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)
AUG 1985 28...	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

301230093180300 - BAYOU D'INDE AT CONFLUENCE WITH INDUSTRIAL OUTFALL

DATE	TIME	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)
AUG 1985 28...	1130	2	120	<1	220	110	2500	70	92	0.10

TABLE 7.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, AUGUST 1985--CONTINUED

DATE	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)
AUG 1985 28...	120	7.7	<3	21	530	45	34	<3	<3	<3

DATE	CHLORO-ETHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)
AUG 1985 28...	<3	<3	<3	25	36	<3	<3	<3	3.4

DATE	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)
AUG 1985 28...	9.1	<3	<3	<3	<3	<3	<3	<3	3.0

300957093190800 - CALCASIEU RIVER AT PETROLEUM REFINERY, 3.9 MILES SOUTHEAST OF HOLLYWOOD, LOUISIANA

DATE	TIME	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS-PHOROUS TOTAL (MG/L AS P)
AUG 1985 29...	0930	140000	0.10	<0.10	12	0.20	0.11	570	0.9	0.5	1300	0.13

DATE	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
AUG 1985 29...	0.10	0.08	410	1	<1	8	100	100	250	<1	<1	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
AUG 1985 29...	20	20	490	<1	<1	7	4	90	150	50	9600	2

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
AUG 1985 29...	1	50	100	20	200	<0.1	0.60	<1	<1	<1	<1	20

DATE	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)
AUG 1985 29...	30	120	8.0	1.6	48	0.6	49	<3	<3	<3	15	<3

DATE	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)
AUG 1985 29...	6.2	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

DATE	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)
AUG 1985 29...	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

TABLE 7.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, AUGUST 1985--CONTINUED

300127093184900 - CALCASIEU LAKE, 2.3 MILES NORTHEAST OF HACKBERRY, LOUISIANA

DATE	TIME	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHOROUS TOTAL (MG/L AS P)
AUG 1985												
30...	1100	48900	<0.10	<0.10	16	---	0.13	190	1.0	0.4	510	0.05

DATE	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	PHOSPHOROUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
AUG 1985												
30...	0.02	0.02	480	1	<1	7	<100	<100	340	<1	<1	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
AUG 1985												
30...	30	30	130	<1	<1	8	10	30	350	80	8900	1

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
AUG 1985												
30...	1	10	80	20	390	<0.1	<0.1	<1	<1	<1	<1	30

DATE	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INORGANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)
AUG 1985												
30...	30	50	7.4	0.6	8.9	1.1	10	<3	<3	<3	<3	<3

DATE	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)
AUG 1985 30...	6.4	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

DATE	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)
AUG 1985 30...	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	3.0

08017090 - CALCASIEU RIVER AT BURTON LANDING NEAR LAKE CHARLES, LOUISIANA

DATE	TIME	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS-PHORUS TOTAL (MG/L AS P)
AUG 1985 29...	1130	37600	<0.10	<0.10	<10	0.26	0.25	670	0.9	0.6	410	0.08

DATE	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
AUG 1985 29...	0.05	0.04	170	1	<1	3	100	<100	60	<1	1	<1

DATE	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
AUG 1985 29...	420	20	70	<1	1	6	6	10	250	60	2800	2

TABLE 7.--CONCENTRATIONS OF VOLATILE SOLIDS, NUTRIENTS, TRACE ELEMENTS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, AUGUST 1985--CONTINUED

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
AUG 1985												
29...	<1	10	80	20	60	<0.1	0.08	<1	<1	<1	<1	30

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	CARBON, INOR-GANIC, TOT IN BOT MAT (G/KG AS C)	CARBON, INORG + ORGANIC TOT. IN BOT MAT (MG/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)
AUG 1985												
29...	20	10	4.0	0.4	9.0	0.2	9.2	<3	<3	<3	5.4	<3

DATE	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)
AUG 1985											
29...	3.0	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

DATE	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)
AUG 1985											
29...	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3

IN SITU WATER-QUALITY MEASUREMENTS, AUGUST 28-30, 1985

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	DO (MG/L)	SPEC COND (US/CM)	ORP (MV)
		AUGUST 28, 1985			
CALCASIEU RIVER	1.0	29.0	5.9	6,500	+300
AT BUOY 130	5.9	28.5	5.3	7,400	+190
1130	13.2	29.0	0.9	31,500	---
	35.3	30.0	0.4	40,000	-100
CALCASIEU RIVER	1.6	29.5	7.4	12,000	+300
AT BAYOU D'INDE	9.9	30.0	1.0	31,000	+240
1630	20.1	30.0	0.6	40,000	+250
	45.2	30.0	2.1	42,500	+240
		AUGUST 29, 1985			
CALCASIEU RIVER AT	1.6	30.0	7.4	19,000	+360
PETROLEUM REFINERY	5.0	30.0	5.7	22,500	+400
0930	9.9	30.0	2.6	28,500	+380
	20.1	30.5	1.5	37,000	+280
	43.2	30.0	2.8	44,000	+320
CALCASIEU RIVER AT	1.6	30.5	8.8	21,000	+400
BURTON LANDING	9.9	29.0	3.9	35,000	+320
1130	20.1	28.0	4.0	42,000	+260
	44.2	30.0	2.0	43,000	+300
	45.2	30.0	1.9	44,500	+160
		AUGUST 30, 1985			
CALCASIEU LAKE	1.6	31.5	---	31,000	+700
1100	4.0	30.0	---	31,400	+700

FRACTIONATION OF DISSOLVED ORGANIC CARBON INTO HYDROPHILIC AND HYDROPHOBIC COMPONENTS IN WATER FROM THE LOWER CALCASIEU RIVER, LOUISIANA.

[ORGANIC CARBON, IN MILLIGRAMS PER LITER]

SITE NAME	DISSOLVED ORGANIC CARBON	HYDROPHOBIC FRACTION	HYDROPHILIC FRACTION
	AUGUST 28-30, 1985		
CALCASIEU RIVER AT BUOY 130	7.5	3.6	3.9
CALCASIEU RIVER AT BAYOU D'INDE	5.2	2.1	3.1
CALCASIEU RIVER AT PETROLEUM REFINERY	6.0	2.8	3.2
CALCASIEU RIVER AT BURTON LANDING	4.9	1.8	3.1
CALCASIEU LAKE	4.7	1.5	3.2

TABLE 8.--LEAD-210 AND CESIUM-137 RADIOACTIVITY PROFILES FOR CORE SAMPLES COLLECTED FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MARCH 12, 1986

[CONCENTRATION IN PICOCURIES PER GRAM. DEPTH IN INCHES, SAMPLE SIZE IN GRAMS. ERROR ESTIMATES ARE AT TWO STANDARD DEVIATIONS]

DEPTH	UNSUPPORTED LEAD-210	CESIUM-137	SAMPLE SIZE
CALCASIEU RIVER AT COON ISLAND LOOP			
0.00- 1.18	1.620 ± 0.434	0.311 ± 0.072	13.00
3.94- 5.12	1.094 ± 0.242	0.271 ± 0.030	29.85
7.87- 9.06	1.152 ± 0.304	0.404 ± 0.060	19.74
14.17-15.51	1.348 ± 0.310	0.390 ± 0.046	21.30
BAYOU D'INDE AT MOUTH			
0.00- 1.18	0.666 ± 0.148	0.161 ± 0.028	43.13
3.94- 5.12	0.145 ± 0.174	0.025 ± 0.026	55.55
7.87- 9.06	0.644 ± 0.316	0.134 ± 0.046	13.25
11.81-12.99	0.876 ± 0.360	0.062 ± 0.064	10.60
15.75-16.93	0.934 ± 0.318	0.035 ± 0.045	15.00
19.69-20.87	0.908 ± 0.338	0.066 ± 0.050	13.05
PRIEN LAKE			
0.00- 1.18	1.501 ± 0.214	0.283 ± 0.040	23.65
3.94- 5.12	1.065 ± 0.172	0.171 ± 0.024	41.78
7.87- 9.06	1.767 ± 0.196	1.329 ± 0.054	30.60
11.81-12.99	1.047 ± 0.182	0.242 ± 0.024	43.50
CALCASIEU RIVER AT PETROLEUM REFINERY			
0.00- 1.18	1.272 ± 0.226	0.050 ± 0.030	22.67
5.91- 7.09	0.323 ± 0.149	0.003 ± 0.015	50.01
13.78-14.96	0.502 ± 0.352	0.007 ± 0.058	11.42
18.50-19.69	0.933 ± 0.372	-0.128 ± 0.068	10.15

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986

[DASHES (---), NOT COLLECTED]

301404093144800 - CALCASIEU RIVER AT BUOY 130 AT LAKE CHARLES, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
MAY 1986												
19...	1600	1.6	---	0.14	---	0.13	0.12	---	0.08	0.04	0.03	2
19...	1601	5.0	---	---	---	---	---	---	---	---	---	---
20...	0845	---	---	---	<2.0	---	---	9.4	---	---	---	---

DATE	CHROMIUM DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)
MAY 1986												
19...	<1	---	600	270	---	<0.1	---	1.0	0.2	<0.2	1.1	1.3
19...	---	---	---	---	---	---	---	---	0.5	3.0	5.4	17
20...	---	50	---	---	2500	---	0.06	---	---	---	---	---

DATE	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)
MAY 1986											
19...	0.4	3.4	<0.2	<0.2	<5	<5	<5	<10	<10	<10	<5
19...	1.1	160	0.5	0.4	---	---	---	---	---	---	---

DATE	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHRYSENE TOTAL (UG/L)	DIETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	FLUORANTHENE TOTAL (UG/L)	FLUORENE TOTAL (UG/L)
MAY 1986											
19...	<5	<5	<5	<0.2	<0.2	<10	<5	<5	<0.2	<5	<5
19...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986--CONTINUED

DATE	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	HEXACHLOROETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISOPHORONE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	NITROBENZENE TOTAL (UG/L)	PARACHLOROMETA CRESOL TOTAL (UG/L)
MAY 1986											
19...	<5	<5	<10	<5	<0.2	4.0	<5	<5	<5	<5	<5
19...	---	---	---	---	0.3	---	---	---	---	---	---

DATE	PHENANTHRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)
MAY 1986											
19...	<5	<5	0.3	<0.2	<0.2	---	<0.2	<0.2	<0.2	<10	<10
19...	---	---	4.0	<0.2	0.4	0.5	0.4	0.6	0.5	---	---

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)
MAY 1986											
19...	<5	<0.2	0.3	<5	<10	<0.2	<5	<5	<0.2	<5	<6
19...	<0.2	<0.2	2.4	---	---	<0.2	<0.2	<0.2	<0.2	---	---

DATE	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYLPHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
MAY 1986											
19...	<6	<10	<6	<6	<5	<20	<5	<5	<5	<5	<30
19...	---	---	---	---	---	---	---	---	---	---	---

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
MAY 1986											
19...	<30	<0.2	<6	<5	<30	<5	<5	<0.2	0.4	<5	<5
19...	---	<0.2	---	---	---	---	---	<0.2	13	---	---

301244093171300 - INDUSTRIAL OUTFALL ABOVE I-210 BRIDGE NEAR MAPLEWOOD, LOUISIANA

DATE	TIME	SAM-PLING DEPTH (FEET)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)
MAY 1986											
20...	0900	1.6	19	0.2	53	1100	93	140	0.2	<0.2	<0.2
20...	0901	3.3	21	0.2	53	1100	99	140	<0.2	<0.2	<0.2
20...	0902	5.0	34	0.2	95	680	110	230	0.2	<0.2	<0.2

DATE	CHLORO-ETHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)
MAY 1986											
20...	<0.2	<0.2	0.3	<3	56	<0.2	1.6	1.4	9.3	12	12
20...	<0.2	<0.2	0.7	<0.2	56	<0.2	1.3	1.1	8.8	13	12
20...	<0.2	<0.2	<0.2	5.5	40	<0.2	1.4	0.8	17	14	11

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)
MAY 1986										
20...	<0.2	<0.2	2.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	7.0
20...	<0.2	<0.2	2.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	6.1
20...	<0.2	<0.2	2.7	0.8	<0.2	<0.2	<0.2	<0.2	<0.2	7.9

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986--CONTINUED

301230093180300 - BAYOU D'INDE AT CONFLUENCE WITH INDUSTRIAL OUTFALL

DATE	TIME	SAMPLING DEPTH (FEET)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
MAY 1986												
21...	1200	1.6	0.20	0.18	<2.0	0.06	0.05	20	0.31	0.17	0.14	12
21...	1201	3.3	---	---	---	---	---	---	---	---	---	---
21...	1202	6.6	---	---	---	---	---	---	---	---	---	---

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)
MAY 1986												
21...	2	80	860	60	5100	1.0	0.40	2.1	46	<0.2	86	1000
21...	---	---	---	---	---	---	---	---	30	<0.2	51	>3100
21...	---	---	---	---	---	---	---	---	29	0.3	50	>2600

DATE	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)
MAY 1986											
21...	100	280	9.0	<0.2	<5	<5	<5	<10	<10	<10	<5
21...	130	190	2.4	0.2	---	---	---	---	---	---	---
21...	130	200	3.0	0.2	---	---	---	---	---	---	---

DATE	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHRYSENE TOTAL (UG/L)	DIETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	FLUORANTHENE TOTAL (UG/L)	FLUORENE TOTAL (UG/L)
MAY 1986											
21...	<5	<5	<5	0.3	<0.2	<10	<5	<5	<0.2	<5	<5
21...	---	---	---	<0.2	<0.2	---	---	---	0.2	---	---
21...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1986											
21...	<5	<5	<10	<5	<0.2	9.5	<5	<5	<5	<5	<5
21...	---	---	---	---	0.5	6.3	---	---	---	---	---
21...	---	---	---	---	0.4	4.1	---	---	---	---	---

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1986											
21...	<5	<5	28	0.2	1.4	0.6	20	14	9.7	<10	<10
21...	---	---	32	<0.2	1.1	1.0	11	16	10	---	---
21...	---	---	29	<0.2	1.3	0.9	9.6	14	7.8	---	---

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-PHENOL TOTAL (UG/L)
MAY 1986											
21...	<5	<0.2	2.3	<5	<10	1.5	<5	<5	<0.2	<5	<6
21...	<0.2	<0.2	3.0	---	---	<0.2	<0.2	<0.2	<0.2	---	---
21...	<0.2	<0.2	2.4	---	---	<0.2	<0.2	<0.2	<0.2	---	---

DATE	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)
MAY 1986											
21...	<6	<10	<6	<6	<5	<20	<5	<5	<5	<5	<30
21...	---	---	---	---	---	---	---	---	---	---	---
21...	---	---	---	---	---	---	---	---	---	---	---

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986--CONTINUED

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS (2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
MAY 1986											
21...	<30	<0.2	<6	<5	<30	<5	<5	<0.2	6.8	<5	<5
21...	---	<0.2	---	---	---	---	---	<0.2	6.1	---	---
21...	---	<0.2	---	---	---	---	---	<0.2	5.8	---	---

301150093171600 - CALCASIEU RIVER AT BAYOU D'INDE, 2.8 MILES SOUTHEAST OF HOLLYWOOD, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
MAY 1986												
20...	1730	1.6	0.20	0.23	2.0	0.33	0.33	45	0.09	0.07	0.05	7
20...	1731	16.5	---	---	---	---	---	---	---	---	---	---
20...	1732	33.0	---	---	---	---	---	---	---	---	---	---

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLORIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)
MAY 1986											
20...	<1	30	410	10000	<0.1	0.42	1.0	0.3	0.3	1.8	2.1
20...	---	---	---	---	---	---	---	0.5	<0.2	2.1	6.7
20...	---	---	---	---	---	---	---	0.2	<0.2	1.7	3.9

DATE	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)
MAY 1986											
20...	0.6	6.0	<0.2	<0.2	<5	<5	<5	<10	<10	<10	<5
20...	1.4	6.2	<0.2	<0.2	---	---	---	---	---	---	---
20...	0.8	3.3	<0.2	<0.2	---	---	---	---	---	---	---

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)
MAY 1986											
20...	<5	<5	<5	<0.2	<0.2	<10	<5	<5	<0.2	<5	<5
20...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---
20...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1986											
20...	<3	<5	<10	<5	<0.2	5.0	<5	<5	<5	<5	<5
20...	---	---	---	---	<0.2	3.4	---	---	---	---	---
20...	---	---	---	---	<0.2	3.3	---	---	---	---	---

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1986											
20...	<5	<5	1.0	<0.2	<0.2	<0.2	0.2	0.2	0.2	<10	<10
20...	---	---	0.6	<0.2	<0.2	<0.2	0.3	0.3	<0.2	---	---
20...	---	---	0.3	<0.2	<0.2	<0.2	0.2	0.2	<0.2	---	---

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-PHENOL TOTAL (UG/L)
MAY 1986											
20...	<5	<0.2	0.3	<5	<10	<0.2	<5	<5	<0.2	<5	<6
20...	<0.2	<0.2	0.3	---	---	<0.2	<0.2	<0.2	<0.2	---	---
20...	<0.2	<0.2	0.3	---	---	<0.2	<0.2	<0.2	<0.2	---	---

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986--CONTINUED

DATE	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
MAY 1986											
20...	<6	<10	<6	<6	<5	<20	<5	<5	<5	<5	<30
20...	---	---	---	---	---	---	---	---	---	---	---
20...	---	---	---	---	---	---	---	---	---	---	---

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS (2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1986											
20...	<30	<0.2	<6	<5	<30	<5	<5	<0.2	0.9	<5	<5
20...	---	<0.2	---	---	---	---	---	<0.2	0.4	---	---
20...	---	<0.2	---	---	---	---	---	<0.2	0.2	---	---

300957093190800 - CALCASIEU RIVER AT PETROLEUM REFINERY, 3.9 MILES SOUTH OF HOLLYWOOD, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS DISSOLVED (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
MAY 1986												
22...	1030	1.6	0 0.20	0.16	<2.0	0.45	0.43	28	0.09	0.02	<0.01	5
22...	1031	6.6	---	---	---	---	---	---	---	---	---	---
22...	1032	33.0	---	---	---	---	---	---	---	---	---	---

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)
MAY 1986												
22...	1	30	210	40	4900	<0.1	0.20	1.6	0.9	<0.2	2.8	34
22...	---	---	---	---	---	---	---	---	0.7	<0.2	1.8	15
22...	---	---	---	---	---	---	---	---	0.7	<0.2	2.0	18

DATE	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)
MAY 1986											
22...	3.5	8.3	<0.2	<0.2	<5	<5	<5	<10	<10	<10	<5
22...	1.9	6.9	<0.2	<0.2	---	---	---	---	---	---	---
22...	2.2	7.3	<0.2	<0.2	---	---	---	---	---	---	---

DATE	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)
MAY 1986											
22...	<5	<5	<5	<0.2	<0.2	<10	<5	<5	<0.2	<5	<5
22...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---
22...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---

DATE	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)	PARA-CHLORO-META CRESOL TOTAL (UG/L)
MAY 1986											
22...	<5	<5	<10	<5	<0.2	<3	<5	<5	<5	<5	<5
22...	---	---	---	---	<0.2	<3	---	---	---	---	---
22...	---	---	---	---	0.2	<3	---	---	---	---	---

DATE	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)
MAY 1986											
22...	<5	<5	1.5	<0.2	<0.2	<0.2	0.5	0.6	0.5	<10	<10
22...	---	---	1.2	<0.2	<0.2	<0.2	0.5	0.4	0.2	---	---
22...	---	---	1.4	<0.2	<0.2	<0.2	0.5	0.4	0.2	---	---

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986--CONTINUED

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZANTHRACENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)
MAY 1986											
22...	<5	<0.2	0.2	<5	<10	<0.2	<5	<5	<0.2	<5	<6
22...	<0.2	<0.2	0.3	---	---	<0.2	<0.2	<0.2	<0.2	---	---
22...	<0.2	<0.2	<0.2	---	---	<0.2	<0.2	<0.2	<0.2	---	---

DATE	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
MAY 1986											
22...	<6	<10	<6	<6	<5	<20	<5	<5	<5	<5	<30
22...	---	---	---	---	---	---	---	---	---	---	---
22...	---	---	---	---	---	---	---	---	---	---	---

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYLHEXYL)PHTHALATE TOTAL (UG/L)	DI-N-BUTYLPHTHALATE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1986											
22...	<30	<0.2	<6	<5	<30	<5	<5	<0.2	0.3	<5	<5
22...	---	<0.2	---	---	---	---	---	<0.2	0.5	---	---
22...	---	<0.2	---	---	---	---	---	<0.2	0.3	---	---

08017090 - CALCASIEU RIVER AT BURTON LANDING NEAR LAKE CHARLES, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOT. IN BOT MAT (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	PHOSPHOROUS TOTAL (MG/L AS P)	PHOSPHOROUS DISSOLVED (MG/L AS P)	PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
MAY 1986												
21...	1800	1.6	0.20	0.17	<2.0	0.20	0.22	34	0.07	0.02	0.01	9
21...	1801	8.2	---	---	---	---	---	---	---	---	---	---
21...	1802	18.2	---	---	---	---	---	---	---	---	---	---

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)
MAY 1986												
21...	<1	20	960	60	10000	<0.1	0.12	1.6	0.6	<0.2	1.9	12
21...	---	---	---	---	---	---	---	---	0.7	<0.2	2.2	15
21...	---	---	---	---	---	---	---	---	0.7	<0.2	2.2	28

DATE	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHENE TOTAL (UG/L)	ANTHRACENE TOTAL (UG/L)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)
MAY 1986											
21...	1.8	8.8	0.3	<0.2	<5	<5	<5	<10	<10	<10	<5
21...	2.1	7.7	<0.2	<0.2	---	---	---	---	---	---	---
21...	2.2	4.3	<0.2	<0.2	---	---	---	---	---	---	---

DATE	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHRYSENE TOTAL (UG/L)	DIETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	FLUORANTHENE TOTAL (UG/L)	FLUORENE TOTAL (UG/L)
MAY 1986											
21...	<5	<5	<5	<0.2	<0.2	<10	<5	<5	<0.2	<5	<5
21...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---
21...	---	---	---	<0.2	<0.2	---	---	---	<0.2	---	---

DATE	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	HEXACHLOROETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISOPHORONE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	NITROBENZENE TOTAL (UG/L)	PARACHLOROMETA CRESOL TOTAL (UG/L)
MAY 1986											
21...	<5	<5	<10	<5	<0.2	9.2	<5	<5	<5	<5	<5
21...	---	---	---	---	<0.2	1.8	---	---	---	---	---
21...	---	---	---	---	<0.2	3.2	---	---	---	---	---

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986--CONTINUED

DATE	PHENANTHRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	BENZOGH I PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)
MAY 1986											
21...	<5	<5	0.8	<0.2	<0.2	<0.2	0.4	0.3	0.2	<10	<10
21...	---	---	0.9	<0.2	<0.2	<0.2	0.4	0.4	0.3	---	---
21...	---	---	0.5	<0.2	<0.2	<0.2	0.2	0.5	0.4	---	---

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)
MAY 1986											
21...	<5	<0.2	0.4	<5	<10	<0.2	<5	<5	<0.2	<5	<6
21...	<0.2	<0.2	0.3	---	---	<0.2	<0.2	<0.2	<0.2	---	---
21...	<0.2	<0.2	<0.2	---	---	<0.2	<0.2	<0.2	<0.2	---	---

DATE	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
MAY 1986											
21...	<6	<10	<6	<6	<5	<20	<5	<5	<5	<5	<30
21...	---	---	---	---	---	---	---	---	---	---	---
21...	---	---	---	---	---	---	---	---	---	---	---

DATE	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
MAY 1986											
21...	<30	<0.2	<6	<5	<30	<5	<5	<0.2	0.6	<5	<5
21...	---	<0.2	---	---	---	---	---	<0.2	0.3	---	---
21...	---	<0.2	---	---	---	---	---	<0.2	0.3	---	---

IN SITU WATER-QUALITY MEASUREMENTS, MAY 19-22, 1986

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SALINITY (PPT)	ORP (MV)
			MAY 19, 1986				
CALCASIEU RIVER	1.6	24.4	6.7	3.7	4,300	1.9	+140
AT BUOY 130	5.0	24.1	6.8	3.3	5,160	2.3	+140
1600							
CALCASIEU RIVER 100 FT DOWNSTREAM FROM BAYOU D'INDE	3.6	28.3	7.6	7.9	10,600	5.3	+134
1530							
BAYOU D'INDE AT MOUTH	3.3	26.7	7.7	8.0	8,800	4.6	+131
1550							
INDUSTRIAL OUTFALL AT BAYOU D'INDE	7.3	27.4	7.8	8.3	9,820	5.2	+091
1610							
INDUSTRIAL OUTFALL AT BRIDGE 0.25 MILE ABOVE MOUTH	8.2	35.0	7.3	6.2	12,900	7.1	+138
1630							
			MAY 20, 1986				
INDUSTRIAL OUTFALL AT LOCKPORT MARSH BRIDGE	3.3	34.1	7.6	5.2	12,570	7.0	+184
0900							
CALCASIEU RIVER	1.6	26.4	8.0	9.0	8,010	4.1	+114
AT BAYOU D'INDE	41.2	24.5	7.1	4.1	31,500	12.9	+145
1730							
CALCASIEU RIVER	1.6	26.8	7.0	6.8	4,740	2.1	+158
AT BUOY 130	42.9	25.4	7.6	3.0	28,700	17.5	+127
SHIP CHANNEL							
1800							
			MAY 21, 1986				
CALCASIEU RIVER	1.6	26.3	8.5	10.7	16,600	9.7	+141
AT BURTON LANDING	21.1	24.2	7.9	5.5	27,800	16.8	+156
1800							
			MAY 22, 1986				
CALCASIEU RIVER AT	1.6	25.5	8.0	10.7	16,600	9.7	+141
PETROLEUM REFINERY	11.2	25.0	7.8	5.4	20,800	16.8	+156
1030							

TABLE 9.--CONCENTRATIONS OF NUTRIENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986--CONTINUED

[ORGANIC CARBON, IN MILLIGRAMS PER LITER]

FRACTIONATION OF DISSOLVED ORGANIC CARBON INTO HYDROPHILIC AND HYDROPHOBIC COMPONENTS FROM THE LOWER CALCASIEU RIVER, LOUISIANA

SITE NAME	DISSOLVED ORGANIC CARBON	HYDROPHOBIC FRACTION	HYDROPHILIC FRACTION
CALCASIEU RIVER AT BUOY 130	9.5	4.6	4.9
CALCASIEU RIVER AT BAYOU D'INDE	6.1	2.7	3.4
BAYOU D'INDE AT INDUSTRIAL OUTFALL	6.4	2.3	4.1
CALCASIEU RIVER AT PETROLEUM REFINERY	6.5	2.3	4.2
CALCASIEU RIVER AT BURTON LANDING	5.8	2.4	3.4

TABLE 10.--TOTAL TRACE-METAL CONCENTRATION PROFILES FOR CORE SAMPLES FROM THE LOWER CALCASIEU RIVER, LOUISIANA, MAY 1986

[CONCENTRATIONS IN MICROGRAMS PER GRAM, DEPTH IN INCHES FROM SURFACE]

SITE	DEPTH (INCHES)	IRON	MANGANESE	CHROMIUM	MERCURY
CALCASIEU RIVER AT BUOY 130	0- 1	1.7	89	33	0.020
	1- 2	2.2	130	50	0.030
	8- 9	3.2	310	62	0.050
	17-18	3.6	290	76	0.070
CALCASIEU RIVER AT BAYOU D'INDE	0- 1	3.4	650	82	0.97
	1- 2	3.8	690	83	0.57
	3- 4	3.4	690	150	0.68
	15-16	2.7	670	69	0.62
	31-32	0.84	130	30	0.36
CALCASIEU RIVER AT PETROLEUM REFINERY	0- 1	1.7	190	93	0.090
	1- 2	2.0	210	89	<0.005
	2- 3	1.9	270	42	<0.005
	16-17	2.2	210	120	0.020
CALCASIEU RIVER AT BURTON LANDING	0- 1	2.4	470	78	0.030
	1- 2	2.9	730	97	0.020
	8- 9	3.3	900	100	0.030
	18-19	2.1	340	58	0.040

TABLE 11.--CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, APRIL 1987

301404093144800 - CALCASIEU RIVER AT BUOY 130 AT LAKE CHARLES, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYLCHLORIDE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)
APR 1987													
15...	1725	1.6	<0.2	0.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	1726	19.8	<0.2	2.2	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

DATE	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)
APR 1987												
15...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

DATE	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)
APR 1987												
15...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	<0.2	<0.2	<0.2	0.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

301244093171300 - INDUSTRIAL OUTFALL ABOVE I-210 BRIDGE NEAR MAPLEWOOD, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYLCHLORIDE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)
APR 1987													
15...	1200	1.6	<0.2	500	0.2	<0.2	40	0.3	29	<0.2	<0.2	5.6	<0.2
15...	1201	3.3	<0.2	350	0.2	<0.2	39	<0.2	30	<0.2	<0.2	5.8	<0.2

DATE	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
APR 1987												
15...	<0.2	0.2	2.0	<0.2	10	<0.2	<0.2	10	<0.2	0.5	<0.2	0.8
15...	0.2	0.2	2.7	<0.2	10	<0.2	<0.2	11	<0.2	0.5	0.7	1.0

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)
APR 1987												
15...	0.5	12	7.7	4.7	<0.2	39	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	0.5	13	7.8	5.2	<0.2	40	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

301234093174900 - INDUSTRIAL OUTFALL CANAL AT BRIDGE, 0.25 MILE ABOVE MOUTH

DATE	TIME	SAM-PLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	METHYL-CHLO-RIDE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)
APR 1987													
15...	1340	1.6	<0.2	420	<0.2	<0.2	48	0.2	22	<0.2	<0.2	6.1	<0.2
15...	1341	3.3	<0.2	420	<0.2	<0.2	47	0.2	22	<0.2	<0.2	6.3	<0.2

DATE	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
APR 1987												
15...	<0.2	0.2	1.8	<0.2	10	<0.2	<0.2	8.5	<0.2	0.4	0.8	0.8
15...	<0.2	0.2	1.8	<0.2	10	<0.2	<0.2	9.0	<0.2	0.4	<0.2	0.7

TABLE 11.--CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, APRIL 1987--CONTINUED

DATE	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)
APR 1987												
15...	0.5	9.7	6.4	4.8	<0.2	32	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	0.5	9.5	6.3	4.5	<0.2	31	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

301230093180300 - BAYOU D'INDE AT CONFLUENCE WITH INDUSTRIAL OUTFALL

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYLCHLORIDE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)
APR 1987													
15...	1415	1.6	0.4	110	<0.2	<0.2	36	<0.2	19	<0.2	<0.2	5.2	<0.2
15...	1416	8.2	<0.2	120	<0.2	<0.2	14	<0.2	8.4	<0.2	<0.2	2.6	<0.2

DATE	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)
APR 1987												
15...	0.8	<0.2	1.7	<0.2	8.7	1.2	<0.2	7.1	<0.2	0.4	1.4	0.6
15...	<0.2	<0.2	0.5	<0.2	4.1	<0.2	<0.2	3.1	<0.2	0.2	<0.2	0.3

DATE	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)
APR 1987												
15...	0.6	7.9	5.4	4.2	<0.2	30	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	0.8	2.6	3.6	1.9	<0.2	18	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

301210093173900 - BAYOU D'INDE, 0.5 MILE ABOVE MOUTH

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYL-CHLORIDE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)
APR 1987													
15...	1515	1.6	<0.2	53	<0.2	<0.2	6.4	<0.2	3.2	<0.2	<0.2	1.2	<0.2
15...	1516	9.9	<0.2	37	<0.2	<0.2	5.6	<0.2	3.2	<0.2	<0.2	1.2	<0.2

DATE	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)
APR 1987												
15...	<0.2	<0.2	<0.2	<0.2	1.5	<0.2	<0.2	1.3	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	<0.2	<0.2	1.4	<0.2	<0.2	1.2	<0.2	<0.2	<0.2	<0.2

DATE	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)
APR 1987												
15...	<0.2	1.0	0.8	<0.2	<0.2	4.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	<0.2	1.0	0.8	<0.2	<0.2	4.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

301145093172800 - CALCASIEU RIVER, 0.25 MILE BELOW BAYOU D'INDE

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYL-CHLORIDE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)
APR 1987													
15...	1540	1.6	<0.2	55	<0.2	<0.2	6.8	<0.2	3.7	<0.2	<0.2	1.5	<0.2
15...	1541	26.4	<0.2	9.0	<0.2	<0.2	1.6	<0.2	0.9	<0.2	<0.2	0.3	<0.2

TABLE 11.--CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, APRIL 1987--CONTINUED

DATE	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
APR 1987												
15...	<0.2	<0.2	<0.2	<0.2	1.7	<0.2	<0.2	1.4	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	<0.2	<0.2	0.3	<0.2	<0.2	0.3	<0.2	<0.2	<0.2	<0.2

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)
APR 1987												
15...	<0.2	1.1	1.2	0.6	<0.2	5.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	<0.2	0.3	0.2	<0.2	<0.2	1.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

300957093190800 - CALCASIEU RIVER AT PETROLEUM REFINERY, 3.9 MILES SOUTH OF HOLLYWOOD, LOUISIANA

DATE	TIME	SAM-PLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	METHYL-CHLO-RIDE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)
APR 1987													
15...	1650	1.6	<0.2	12	<0.2	<0.2	2.0	<0.2	<0.2	<0.2	<0.2	0.4	<0.2
15...	1651	23.1	<0.2	5.3	<0.2	<0.2	0.9	<0.2	<0.2	<0.2	<0.2	0.2	<0.2

DATE	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
APR 1987												
15...	<0.2	<0.2	<0.2	<0.2	0.4	<0.2	<0.2	0.4	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	<0.2	<0.2	0.2	<0.2	<0.2	0.2	<0.2	<0.2	<0.2	<0.2

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)
APR 1987												
15...	<0.2	0.3	0.3	<0.2	<0.2	1.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	0.2	<0.2	<0.2	1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

08017090 - CALCASIEU RIVER AT BURTON LANDING NEAR LAKE CHARLES, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	METHYL-CHLO-RIDE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)
APR 1987													
15...	1610	1.6	<0.2	3.7	<0.2	<0.2	0.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	1611	23.1	<0.2	5.2	<0.2	<0.2	0.7	<0.2	0.3	<0.2	<0.2	<0.2	<0.2

DATE	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
APR 1987												
15...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)
APR 1987												
15...	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
15...	<0.2	<0.2	<0.2	<0.2	<0.2	0.8	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

TABLE 11.--CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, APRIL 1987--CONTINUED

IN SITU WATER-QUALITY MEASUREMENTS, APRIL 15, 1987

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL-INITY (PPT)	ORP (MV)
CALCASIEU RIVER	1.6	19.1	7.1	7.3	5,200	2.4	+143
AT BUOY 130	9.9	19.0	7.4	7.7	7,650	3.9	+152
1725	19.8	18.9	7.4	5.4	14,800	8.2	+139
INDUSTRIAL OUTFALL	1.6	30.6	7.0	7.3	12,970	7.0	+173
AT LOCKPORT MARSH	3.3	30.6	7.0	7.7	13,080	7.2	+175
BRIDGE							
1200							
INDUSTRIAL OUTFALL	1.6	29.7	7.1	8.4	13,070	7.2	+162
AT BRIDGE 0.25	3.3	29.7	7.1	9.1	13,050	7.2	+162
MILE ABOVE BAYOU							
D'INDE							
1340							
INDUSTRIAL OUTFALL	1.6	29.4	7.4	9.0	13,120	7.3	+151
AT BAYOU D'INDE	3.3	29.4	7.4	8.6	13,100	7.2	+153
1415	8.2	28.0	7.4	8.8	13,050	7.0	+148
BAYOU D'INDE AT	1.6	24.6	8.8	9.4	12,300	6.7	+173
MOUTH	5.0	22.7	8.6	9.5	12,290	6.7	+174
1515	9.2	22.0	8.4	9.0	12,330	6.7	+177
CALCASIEU RIVER	1.6	22.1	8.6	10.3	12,220	6.7	+124
0.25 MILE BELOW	9.9	21.8	8.6	9.6	12,000	6.6	+121
BAYOU D'INDE	16.5	19.5	7.9	6.5	13,500	7.2	+133
1540	26.4	18.3	7.7	3.7	22,800	13.7	+129
	39.6	17.1	7.6	2.7	29,500	18.1	+187
CALCASIEU RIVER	1.6	20.6	8.7	10.4	14,240	8.0	+112
AT PETROLEUM	9.9	19.8	8.3	7.6	15,600	8.8	+121
REFINERY	23.1	19.1	8.0	5.9	17,300	10.0	+123
1650	36.3	18.1	7.8	3.8	29,400	18.2	+131
CALCASIEU RIVER	1.6	20.5	8.4	8.6	12,500	6.8	+125
AT BURTON LANDING	9.9	19.7	8.0	8.5	14,200	8.0	+135
1610	23.1	18.9	7.8	8.5	21,500	12.4	+141
	36.3	18.8	7.9	8.8	29,300	18.1	+140

TABLE 12.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, APRIL 1987

301230093180300 - BAYOU D'INDE AT CONFLUENCE WITH INDUSTRIAL OUTFALL

TRIPLICATE SUBSAMPLES OF BOTTOM MATERIAL FROM ONE COMPOSITED SAMPLE

DATE	TIME	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CHRY-SENE BOT.MAT (UG/KG)
APR 1987												
15...	0900	<270	<270	<270	<530	<530	<530	<270	<270	<270	<270	<530
15...	0915	<260	<260	<260	<520	<520	<520	<260	<260	<260	<260	<520
15...	0920	<270	<270	<270	<540	<540	<540	<270	<270	<270	<270	<540

DATE	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)
APR 1987												
15...	<270	<270	5700	<270	<270	<270	<530	<270	<270	<270	<270	<270
15...	<260	<260	5500	<260	<260	1100	<520	<260	<260	<260	<260	<260
15...	<270	<270	5500	<270	<270	<270	<540	<270	<270	<270	<270	<270

DATE	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)
APR 1987												
15...	<270	<1600	5800	<270	<530	<270	<270	7600	<530	<270	<270	<270
15...	<260	<1600	5800	4800	<520	<260	2300	8100	<520	470	<260	<260
15...	<270	<1600	5800	4800	<540	<270	<270	7700	<540	<270	<270	<270

DATE	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)
APR 1987											
15...	<270	<270	<530	<270	<270	<270	<1100	<1100	<270	<1300	<270
15...	<260	<260	<520	<260	<260	<260	<1000	<1000	---	<1300	9900
15...	<270	<270	<540	<270	<270	<270	<1100	<1100	<270	<1300	<270

TABLE 12.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, APRIL 1987--CONTINUED

DATE	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE BOT.MAT (UG/KG)	EXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)
APR 1987											
15...	<270	<270	<1600	<1600	<270	<1600	14000	<270	<2700	28000	17000
15...	---	14000	<1600	<1600	<260	<1600	13000	<260	<2600	50000	25000
15...	---	14000	<1600	<1600	<270	<1600	14000	<270	<2700	37000	18000

DEIONIZED WATER

ANALYSES AT 1400 ARE FROM TOTAL ELUTRIATE SAMPLES, ANALYSES AT 1401 ARE FROM DISSOLVED ELUTRIATE SAMPLES, ANALYSES AT 1405 ARE FROM NATIVE (TOTAL) WATER SAMPLES

DATE	TIME	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)
APR 1987												
15...	1400	<5.0	<5.0	<5.0	<10	<10	<10	---	---	---	<10	<10
15...	1401	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<10
15...	1405	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<10

DATE	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)
APR 1987												
15...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0
15...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0
15...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0

DATE	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)
APR 1987											
15...	<30	<5.0	<5.0	<10	<5.0	7.0	<5.0	<10	<5.0	<5.0	---
15...	<30	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
15...	<30	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

DATE	2-CHLORO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)
APR 1987											
15...	---	---	<10	---	---	---	---	---	---	---	---
15...	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<20	<20	<5.0	<25	<5.0
15...	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<20	<20	<5.0	<25	<5.0

DATE	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)	4,6-DINITRO -ORTHO-CRESOL TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	BENZI-DINE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
APR 1987											
15...	---	---	<30	---	<5.0	<30	---	<5.0	<50	<5.0	15
15...	<5.0	<30	<30	<5.0	<5.0	<30	<5.0	<5.0	<50	<5.0	<5.0
15...	<5.0	<30	<30	<5.0	<5.0	<30	<5.0	<5.0	<50	<5.0	<5.0

08015500 - CALCASIEU RIVER NEAR KINDER, LOUISIANA

ANALYSES AT 1300 ARE FROM DISSOLVED ELUTRIATE SAMPLES, ANALYSES AT 1301 ARE FROM TOTAL ELUTRIATE SAMPLES, ANALYSES AT 1100 ON APRIL ARE FROM NATIVE (TOTAL) WATER SAMPLES

DATE	TIME	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)
APR 1987												
15...	1300	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<10
15...	1301	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<10
16...	1100	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<10

TABLE 12.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, APRIL 1987--CONTINUED

DATE	DIETHYL PHTHALATE TOTAL (UG/L)	DIMETHYL PHTHALATE TOTAL (UG/L)	FLUORANTHENE TOTAL (UG/L)	FLUORENE TOTAL (UG/L)	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	HEXACHLOROETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISOPHORONE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	NITROBENZENE TOTAL (UG/L)
APR 1987												
15...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0
15...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0
16...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0

DATE	PARACHLOROMETA CRESOL TOTAL (UG/L)	PHENANTHRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	2-CHLORONAPHTHALENE TOTAL (UG/L)
APR 1987											
15...	<30	<5.0	<5.0	<10	<5.0	8.0	<5.0	<10	<5.0	<5.0	<5.0
15...	<30	<5.0	<5.0	<10	<5.0	7.0	<5.0	<10	<5.0	<5.0	<5.0
16...	<30	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

DATE	2-CHLOROPHENOL TOTAL (UG/L)	2-NITROPHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,6-DINITROTOLUENE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)
APR 1987											
15...	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<20	<20	<5.0	<25	<5.0
15...	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<20	<20	<5.0	<25	<5.0
16...	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<20	<20	<5.0	<25	<5.0

DATE	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	NAPHTHALENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	BENZIDINE TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBUTADIENE TOTAL (UG/L)
APR 1987											
15...	<5.0	<30	<30	<5.0	<5.0	<30	<5.0	<5.0	<50	<5.0	<5.0
15...	<5.0	<30	<30	<5.0	<5.0	<30	<5.0	<5.0	<50	<5.0	13
16...	<5.0	<30	<30	<5.0	<5.0	<30	<5.0	<5.0	<50	<5.0	<5.0

301210093173900 - BAYOU D'INDE 0.5 MILE ABOVE MOUTH

ANALYSES AT 1200 ARE FROM TOTAL ELUTRIATE SAMPLES, ANALYSES AT 1503 ARE FROM NATIVE (WHOLE) WATER SAMPLES.
DISSOLVED ANALYSES WERE RUINED DURING ANALYSIS.

DATE	TIME	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-ENE TOTAL (UG/L)	ANTHRA-CENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)
APR 1987												
15...	1200	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<10
15...	1503	<5.0	<5.0	<5.0	<10	<10	<10	<5.0	<5.0	<5.0	<5.0	<10

DATE	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	ISO-PHORONE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO -SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO -SODI-METHY-LAMINE TOTAL (UG/L)	NITRO-BENZENE TOTAL (UG/L)
APR 1987												
15...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0
15...	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0

DATE	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PHENAN-THRENE TOTAL (UG/L)	PYRENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)
APR 1987											
15...	<30	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
15...	<30	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

DATE	2-CHLORO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)
APR 1987											
15...	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<20	<20	<5.0	<25	<5.0
15...	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<20	<20	<5.0	<25	<5.0

TABLE 12.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, APRIL 1987--CONTINUED

DATE	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	BENZI-DINE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)
APR 1987											
15...	<5.0	<30	<30	<5.0	<5.0	<30	<5.0	<5.0	<50	<5.0	<5.0
15...	<5.0	<30	<30	<5.0	<5.0	<30	<5.0	<5.0	<50	<5.0	<5.0

IN SITU WATER-QUALITY READINGS, APRIL 15-16, 1987

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
			APRIL 15, 1987				
BAYOU D'INDE	1.6	24.6	8.8	9.4	12,300	6.7	+173
AT MOUTH	6.0	22.7	8.6	9.5	12,290	6.7	+174
1500	9.2	22.0	8.4	9.0	12,330	6.7	+177
			APRIL 16, 1987				
CALCASIEU RIVER NEAR KINDER	1.6	18.8	7.2	7.8	57	0.0	+084
1100							

TABLE 13.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN BOTTOM MATERIAL FROM BAYOU D'INDE, LOUISIANA, APRIL-JULY 1987

[TRIPLICATE CONTROL SAMPLES THAT WERE NOT IRRADIATED, AND NOT INCUBATED, ARE FOUND IN TABLE 12]

301230093180300 - BAYOU D'INDE AT CONFLUENCE WITH INDUSTRIAL OUTFALL

DATE	TIME	ACE-NAPHTHYLENE BOT.MAT (UG/KG)	ACE-NAPHTHENE BOT.MAT (UG/KG)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS (2-CHLOROETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLOROETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLOROISOPROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHALATE BOT.MAT (UG/KG)	CHRYSENE BOT.MAT (UG/KG)
TRIPLICATE SAMPLES THAT WERE IRRADIATED, BUT NOT INCUBATED												
APR 1987												
15...	1000	<350	<350	<350	<700	<700	<700	<350	<350	<350	<350	<700
15...	1001	<380	<380	<380	<770	<770	<770	<380	<380	<380	<380	<770
15...	1002	<200	7600	<200	<400	<400	<400	<200	<200	<200	<200	<400
TRIPLICATE SAMPLES THAT WERE NOT IRRADIATED, BUT WERE INCUBATED AT 20 DEGREES CELSIUS FOR 60 DAYS												
JUL												
04...	1000	<200	<200	<200	<400	<400	<400	<200	<200	<200	<200	<400
04...	1001	<210	<210	<210	<400	<400	<400	<210	<210	<200	<210	<400
04...	1002	<200	<200	<200	<400	<400	<400	<200	<200	<200	<200	<400
TRIPLICATE SAMPLES THAT WERE IRRADIATED AND INCUBATED AT 20 DEGREES CELSIUS FOR 60 DAYS.												
JUL												
08...	1200	<200	<200	<200	<500	<500	<500	<200	<200	<230	<200	<500
08...	1201	<200	<200	<200	<400	<400	<400	<200	<200	<200	<200	<400
08...	1202	<180	<180	<180	<350	<350	<350	<180	<180	<180	<180	<350

DATE	DIETHYL PHTHALATE BOT.MAT (UG/KG)	DIMETHYL PHTHALATE BOT.MAT (UG/KG)	FLUORANTHENE BOT.MAT (UG/KG)	FLUORENE BOT.MAT (UG/KG)	HEXACHLOROCYCLOPENTADIENE BOT.MAT (UG/KG)	HEXACHLOROETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISOPHORONE BOT.MAT (UG/KG)	N-NITROSODI-N-PROPYLAMINE BOT.MAT (UG/KG)	N-NITROSODIPHENYLAMINE BOT.MAT (UG/KG)	N-NITROSODIMETHYLAMINE BOT.MAT (UG/KG)	NAPHTHALENE BOT.MAT (UG/KG)
APR 1987												
15...	<350	<350	3700	<350	<350	<350	<700	<350	<350	<350	<350	<350
15...	<380	12000	<380	<380	<380	<380	<770	<380	<380	<380	<380	<380
15...	<200	<200	4600	11000	<200	<200	<400	<200	<200	<200	<200	<200
JUL												
04...	<200	<200	<200	<200	<200	<200	<400	<200	<200	<200	<200	<200
04...	<210	<210	4600	<210	<210	<210	<400	<210	<210	<210	<210	<210
04...	<200	<200	3800	<200	<200	<200	<400	<200	<200	<200	<200	<200
JUL												
08...	<200	<200	4500	<200	<200	<200	<500	<200	<200	<200	<200	<230
08...	19000	<200	4700	<200	<200	<200	<400	<200	<200	<200	<200	<200
08...	<180	<180	3700	<180	<180	<180	<350	<180	<180	<180	<180	<180

TABLE 13.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN BOTTOM MATERIAL FROM BAYOU D'INDE, LOUISIANA, APRIL-JULY 1987--CONTINUED

DATE	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
APR 1987											
15...	<350	<2100	<350	3200	<700	<350	<350	5000	<700	<350	<350
15...	<380	<2300	<380	3400	<770	<380	<380	5500	<770	<380	<380
15...	<200	<1200	<200	4000	<400	<200	1800	6300	<400	500	<200
JUL											
04...	<200	<1200	<200	<200	<400	<200	<200	<200	<400	<200	<200
04...	<210	<1300	<210	4000	<400	<210	<210	6100	<400	<210	<210
04...	<200	<1100	4000	3300	<400	<200	800	5400	<400	<200	<200
JUL											
08...	<200	<1400	<200	4200	<500	<200	1200	6900	<500	<200	<200
08...	<200	<1300	<200	4100	<400	<200	1800	6800	<400	<200	<200
08...	<180	<1100	<180	3200	<350	<180	1100	5400	<350	<180	<180

DATE	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)
APR 1987											
15...	<350	<350	<350	<700	<350	<350	<350	<1400	<1400	<350	<1800
15...	<380	<380	<380	<770	<380	<350	<380	<1500	<1500	<380	<1900
15...	<200	<200	<200	<400	<200	<200	<200	<800	<800	<200	<990
JUL											
04...	<200	<200	<200	<400	<200	<200	<200	<800	<800	<200	<1000
04...	<210	<200	<200	<400	<200	<200	<210	<900	<900	<210	<1100
04...	<200	<200	<200	<400	<200	<200	<200	<700	<700	<200	<900
JUL											
08...	<200	<200	<230	<500	<230	<230	<200	<900	<900	<200	<1200
08...	<200	<200	<200	<400	<200	<200	<200	<900	<900	<200	<1100
08...	<180	<180	<180	<350	<180	<180	<180	<700	<700	<180	<880

DATE	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE BOT.MAT (UG/KG)	HEXACHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLORO-BUTADIENCE BOT.MAT (UG/KG)
APR 1987											
15...	<350	<350	<2100	<2100	<350	<2100	9100	<350	<3500	19000	11000
15...	<380	<380	<2300	<2300	<380	<2300	10000	<380	<3800	33000	12000
15...	7200	11000	<1200	<1200	<200	<1200	<200	<200	<2000	<200	16300
JUL											
04...	<200	<200	<1200	<1200	<200	<1200	<200	<200	<2000	13000	12000
04...	<210	<210	<1300	<1300	<200	<1300	11000	<210	<2200	18000	13000
04...	6800	10000	<1100	<1100	<200	<1100	<200	<200	<1800	36000	13000
JUL											
08...	<200	12000	<1400	<1400	4300	<1400	<200	<200	<2300	43000	15000
08...	<200	<200	23000	<1300	4100	<1300	<200	1500	<2200	53000	15000
08...	<180	9300	<1100	<1100	3300	<1100	<180	<180	<1800	24000	12000

TABLE 14.--CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER COLLECTED FROM THE BAYOU D'INDE AREA, LOUISIANA, SEPTEMBER 1987

301244093171300 - INDUSTRIAL OUTFALL ABOVE I-210 BRIDGE NEAR MAPLEWOOD, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYLCHLORIDE TOTAL (UG/L)
SEP 1987										
17...	0800	1.6	<0.2	73	0.2	<0.2	6.2	<0.2	120	<0.2
17...	0801	3.0	<0.2	74	0.3	<0.2	6.0	<0.2	120	<0.2

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DIBROMOCHLOROMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)
SEP 1987									
17...	<0.2	1.6	<0.2	<0.2	<0.2	1.4	<0.2	7.1	<0.2
17...	<0.2	1.5	<0.2	<0.2	<0.2	1.3	<0.2	8.0	<0.2

DATE	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)
SEP 1987									
17...	<0.2	5.4	<0.2	<0.2	<0.2	0.7	0.4	2.4	7.7
17...	<0.2	5.8	<0.2	<0.2	<0.2	0.6	0.5	2.6	8.0

DATE	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)
SEP 1987									
17...	5.8	<0.2	59	<0.2	<0.2	<0.2	<0.2	1.7	<0.2
17...	6.3	<0.2	60	<0.2	<0.2	<0.2	<0.2	1.8	<0.2

301234093173600 - INDUSTRIAL OUTFALL AT LOCKPORT MARSH BRIDGE

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYLCHLORIDE TOTAL (UG/L)
SEP 1987										
17...	0947	1.6	<0.2	65	0.3	<0.2	5.4	<0.2	98	<0.2
17...	0951	8.6	1.0	60	<1.0	<1.0	3.5	<1.0	84	<1.0

DATE	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)
SEP 1987									
17...	<0.2	1.2	<0.2	<0.2	<0.2	1.3	<0.2	7.7	<0.2
17...	<1.0	1.0	<1.0	<1.0	<1.0	1.0	<1.0	8.2	<1.0

DATE	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)
SEP 1987									
17...	<0.2	5.7	<0.2	<0.2	<0.2	1.1	0.6	3.0	9.0
17...	<1.0	5.0	<1.0	<1.0	<1.0	1.0	<1.0	2.8	6.9

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)
SEP 1987									
17...	6.5	<0.2	47	<0.2	<0.2	<0.2	<0.2	2.1	<0.2
17...	4.4	<1.0	36	<1.0	<1.0	<1.0	<1.0	1.9	<1.0

301230093180300 - BAYOU D'INDE AT CONFLUENCE WITH INDUSTRIAL OUTFALL

DATE	TIME	SAM-PLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	METHYL-CHLO-RIDE TOTAL (UG/L)
SEP 1987										
17...	1040	1.6	<1.0	68	<1.0	<1.0	4.1	<1.0	88	<1.0
17...	1041	5.9	<1.0	52	<1.0	<1.0	3.6	<1.0	82	<1.0

DATE	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)
SEP 1987									
17...	<1.0	1.0	<1.0	<1.0	<1.0	1.0	<1.0	8.2	<1.0
17...	<1.0	1.0	<1.0	<1.0	<1.0	1.0	<1.0	7.7	<1.0

TABLE 14.--CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER COLLECTED FROM THE BAYOU D'INDE AREA, LOUISIANA, SEPTEMBER 1987--CONTINUED

DATE	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)
SEP 1987									
17...	<1.0	5.6	<1.0	<1.0	<1.0	1.0	<1.0	2.9	7.5
17...	<1.0	5.2	<1.0	<1.0	<1.0	1.0	<1.0	2.7	7.1

DATE	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)
SEP 1987									
17...	5.5	<1.0	42	<1.0	<1.0	<1.0	<1.0	1.9	<1.0
17...	4.7	<1.0	37	<1.0	<1.0	<1.0	<1.0	1.8	<1.0

301210093173900 - BAYOU D'INDE 0.5 MILE ABOVE MOUTH

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYLCHLORIDE TOTAL (UG/L)
SEP 1987										
17...	1140	1.6	<1.0	42	<1.0	<1.0	3.1	<1.0	65	<1.0
17...	1141	11.6	<0.2	11	0.4	<0.2	0.9	<0.2	21	<0.2

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)
SEP 1987									
17...	<1.0	1.0	<1.0	<1.0	<1.0	1.0	<1.0	5.8	1.0
17...	<0.2	0.3	<0.2	0.4	<0.2	0.3	<0.2	2.3	0.5

DATE	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)
SEP 1987									
17...	<1.0	4.2	<1.0	<1.0	<1.0	<1.0	<1.0	2.4	6.4
17...	<0.2	2.7	<0.2	<0.2	<0.2	0.3	0.4	1.3	2.1

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)
SEP 1987									
17...	3.9	<1.0	35	<1.0	<1.0	<1.0	<1.0	1.6	<1.0
17...	1.1	<0.2	12	<0.2	<0.2	<0.2	<0.2	0.8	<0.2

301153093171900 - BAYOU D'INDE AT MOUTH NEAR SULPHUR, LOUISIANA

DATE	TIME	SAM-PLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	METHYL-CHLO-RIDE TOTAL (UG/L)
SEP 1987										
17...	1348	1.6	<1.0	15	<1.0	1.0	1.3	<1.0	31	<1.0
17...	1349	8.2	<0.2	3.9	<0.2	<0.2	0.4	<0.2	6.5	<0.2
17...	1645	1.6	<1.0	28	<1.0	<1.0	2.0	<1.0	47	<1.0
17...	1646	5.9	<1.0	6.4	<1.0	<1.0	<1.0	<1.0	18	<1.0
17...	1647	8.9	<0.2	3.1	<0.2	<0.2	0.3	<0.2	4.6	<0.2

DATE	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	ETHYL-BENZENE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)
SEP 1987									
17...	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	3.2	<1.0
17...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.8	<0.2
17...	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	4.5	<1.0
17...	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	14	<1.0
17...	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.7	<0.2

TABLE 14.--CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER COLLECTED FROM THE BAYOU D'INDE AREA, LOUISIANA, SEPTEMBER 1987--CONTINUED

DATE	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	VINYL CHLORIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)
SEP 1987									
17...	<1.0	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	2.9
17...	<0.2	0.6	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.9
17...	<1.0	3.1	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	4.3
17...	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4
17...	<0.2	0.5	<0.2	<0.2	<0.2	<0.2	<0.2	0.4	0.7

DATE	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)
SEP 1987									
17...	1.6	<1.0	16	<1.0	<1.0	<1.0	<1.0	1.0	<1.0
17...	0.4	<0.2	4.1	<0.2	<0.2	<0.2	<0.2	0.2	<0.2
17...	2.2	<1.0	23	<1.0	<1.0	<1.0	<1.0	1.0	<1.0
17...	<1.0	<1.0	9.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
17...	0.2	<0.2	3.0	<0.2	<0.2	<0.2	<0.2	0.2	<0.2

301150093171600 - CALCASIEU RIVER AT BAYOU D'INDE 2.8 MILES SOUTHEAST OF HOLLYWOOD, LOUISIANA

DATE	TIME	SAMPLING DEPTH (FEET)	BENZENE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	CHLOROBENZENE TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	METHYLCHLORIDE TOTAL (UG/L)
SEP 1987										
17...	1719	1.6	<1.0	24	<1.0	<1.0	1.7	<1.0	40	<1.0
17...	1720	11.2	<1.0	8.8	<1.0	<1.0	<1.0	<1.0	21	<1.0
17...	1721	25.1	<1.0	14	<1.0	<1.0	1.0	<1.0	29	<1.0

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	DICHLOROBROMOMETHANE TOTAL (UG/L)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	ETHYLBENZENE TOTAL (UG/L)	METHYLBROMIDE TOTAL (UG/L)	METHYLENE CHLORIDE TOTAL (UG/L)	STYRENE TOTAL (UG/L)	TETRACHLOROETHYLENE TOTAL (UG/L)	TOLUENE TOTAL (UG/L)
SEP 1987									
17...	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	3.8	<1.0
17...	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	1.5	<1.0
17...	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	2.5	<1.0

DATE	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	VINYL CHLO-RIDE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)
SEP 1987									
17...	<1.0	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	3.6
17...	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7
17...	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	2.6

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)
SEP 1987									
17...	1.9	<1.0	19	<1.0	<1.0	<1.0	<1.0	1.0	<1.0
17...	<1.0	<1.0	8.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
17...	1.2	<1.0	12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

IN SITU WATER-QUALITY MEASUREMENTS, SEPTEMBER 17, 1987

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
INDUSTRIAL OUTFALL	1.6	38.0	6.6	3.9	22,100	13.0	+203
ABOVE I-210 BRIDGE	3.0	38.1	6.5	3.8	22,200	13.1	+197
0800							
INDUSTRIAL OUTFALL	1.6	37.4	6.7	3.6	21,100	12.4	+183
AT LOCKPORT MARSH BRIDGE	8.6	35.9	6.8	3.3	20,800	12.2	+181
0945							
INDUSTRIAL OUTFALL	1.6	36.1	6.6	3.9	20,800	12.2	+188
AT CONFLUENCE WITH BAYOU D'INDE	5.9	36.1	6.7	4.3	20,800	12.2	+192
1040							
BAYOU D'INDE 0.5	1.6	34.0	6.9	4.1	19,900	11.7	+175
MILE ABOVE MOUTH	11.6	29.3	7.3	2.8	20,800	12.2	+134
1140							
BAYOU D'INDE AT	1.6	31.8	7.3	5.8	20,000	11.7	+137
MOUTH	8.2	28.9	7.4	2.6	22,600	13.5	+132
1350							
BAYOU D'INDE AT	1.6	31.8	7.8	7.3	19,500	11.3	+102
MOUTH	5.9	29.4	7.5	3.5	21,200	12.4	+111
1645	8.9	29.0	7.3	1.9	23,700	14.2	+114
CALCASIEU RIVER	1.6	31.9	7.7	6.4	19,600	11.5	+068
AT BAYOU D'INDE	11.2	29.1	7.4	3.7	20,700	12.1	+041
1720	25.1	29.1	7.5	0.1	33,100	20.9	-013

TABLE 15.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN WATER, BOTTOM MATERIAL, AND TISSUE AND PHYSICAL DATA COLLECTED FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JULY-SEPTEMBER 1987

301404093144800 - CALCASIEU RIVER AT BUOY 130 AT LAKE CHARLES, LOUISIANA

DATE	TIME	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)
JUL 1987												
21...	1115	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<370	<5
AUG												
25...	1100	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.0	0.5	<5	<400	<5

DATE	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)
JUL 1987												
21...	<370	<5	<370	<10	<740	<10	<740	<10	<740	<5	<370	<5
AUG												
25...	<400	<5	<400	<10	<800	<10	<800	<10	<800	<5	<400	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUL 1987												
21...	<370	<5	<370	<5	<370	<0.2	<0.2	<10	<740	<5	<370	<5
AUG												
25...	<400	<5	<400	<5	<400	<0.2	<0.2	<10	<800	<5	<400	<5

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUL 1987											
21...	<370	<0.2	<5	<370	<5	<370	<5	<370	<5	<370	<10
AUG											
25...	<400	<0.2	<5	<400	<5	<400	<5	<400	<5	<400	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)
JUL 1987											
21...	<740	<5	<0.2	<370	<0.2	<5	<370	<5	<370	<5	<370
AUG											
25...	<800	<5	<0.2	<400	<0.2	<5	<400	<5	<400	<5	<400

DATE	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)
JUL 1987											
21...	<370	<5	<370	<30	<2200	<5	<370	<5	<370	<0.2	<0.2
AUG											
25...	<400	<5	<400	<30	<2400	<5	<400	<5	<400	<0.2	<0.2

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	<0.2	<0.2	<0.2	<0.2	<10	<740	<5	<370	<0.2	<370
AUG											
25...	<0.2	<0.2	<0.2	<0.2	<0.2	<10	<800	<5	<400	<0.2	<400

DATE	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	<0.2	<5	<370	<10	<740	<0.2	<0.2	<370	<0.2	<370
AUG											
25...	<0.2	<0.2	<5	<400	<10	<800	<0.2	<0.2	<400	<0.2	<400

TABLE 15.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN WATER, BOTTOM MATERIAL, AND TISSUE AND PHYSICAL DATA COLLECTED FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JULY-SEPTEMBER 1987--CONTINUED

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	<5	<370	<5	<370	<5	<370	<10	<740	<5	<370
AUG											
25...	<0.2	<5	<400	<5	<400	<5	<400	<10	<800	<5	<400

DATE	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)
JUL 1987											
21...	<5	<370	<5	<370	<20	<1500	<20	<1500	<5	<370	<5
AUG											
25...	<5	<400	<5	<400	<20	<1600	<20	<1600	<5	<400	<5

DATE	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
JUL 1987											
21...	<370	<5	<30	<2200	<30	<2200	<0.2	<5	6600	<5	<30
AUG											
25...	<400	<5	<30	<2400	<30	<2400	<0.2	<5	<400	<5	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)
JUL 1987											
21...	<2200	<5	19000	<5	<370	<0.2	<0.2	<5	<370	<5	<370
AUG											
25...	<2400	<5	21000	<5	<400	<0.2	<0.2	<5	<36	<5	<400

301234093174900 - INDUSTRIAL OUTFALL CANAL AT BRIDGE 0.25 MILE ABOVE MOUTH

DATE	TIME	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)
JUL 1987												
21...	1145	9.1	0.2	31	150	33	53	<0.2	<0.2	<5	7500	<5
AUG												
25...	1400	3.7	<0.2	34	110	13	25	0.2	<0.2	<5	<300	<5

DATE	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)
JUL 1987												
21...	7700	<5	<200	<10	21000	<10	<300	<10	22000	<5	<200	<5
AUG												
25...	<300	<5	<300	<10	<600	<10	<600	<10	<600	6.0	<300	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUL 1987												
21...	<200	<5	<200	<5	<200	<0.2	0.6	<10	<300	<5	<200	<5
AUG												
25...	<300	<5	<300	<5	<300	<0.2	<0.2	<10	<600	<5	<300	<5

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUL 1987											
21...	<200	<0.2	<5	19000	<5	10000	<5	<200	<5	<200	<10
AUG											
25...	<300	<0.2	<5	6500	<5	<300	<5	<300	<5	<300	<10

TABLE 15.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN WATER, BOTTOM MATERIAL, AND TISSUE AND PHYSICAL DATA COLLECTED FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JULY-SEPTEMBER 1987--CONTINUED

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISOPHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISOPHORONE BOT.MAT (UG/KG)	METHYLENE CHLORIDE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE BOT.MAT (UG/KG)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE BOT.MAT (UG/KG)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	N-NITROSODIMETHYLAMINE BOT.MAT (UG/KG)
JUL 1987											
21...	22000	<5	<0.2	<200	1.2	<5	<200	<5	<200	<5	<200
AUG											
25...	<600	<5	<0.2	<300	<0.2	<5	<300	<5	<300	<5	<300

DATE	NAPHTHALENE BOT.MAT (UG/KG)	NITROBENZENE TOTAL (UG/L)	NITROBENZENE BOT.MAT (UG/KG)	PARACHLOROMETA CRESOL TOTAL (UG/L)	PARACHLOROMETA CRESOL BOT.MAT (UG/KG)	PHENANTHRENE TOTAL (UG/L)	PHENANTHRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)
JUL 1987											
21...	6800	<5	<200	<30	<1000	<5	18000	<5	<200	8.2	<0.2
AUG											
25...	<300	<5	<300	<30	<1800	<5	<300	<5	5600	17	<0.2

DATE	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE BOT.MAT (UG/KG)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)
JUL 1987											
21...	0.7	<0.2	3.1	7.5	2.5	<10	20000	<5	4100	<0.2	<200
AUG											
25...	1.1	1.6	5.1	12	<0.2	<10	<600	<5	<300	<0.2	<300

DATE	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRA-CENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	2.0	<5	6700	<10	<300	<0.2	<0.2	<200	<0.2	<200
AUG											
25...	<0.2	<0.2	<5	19000	<10	<600	<0.2	<0.2	<300	<0.2	430

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	<5	<200	<5	<200	<5	<200	<10	<300	<5	<200
AUG											
25...	<0.2	<5	<300	<5	<300	<5	<300	<10	<600	<5	<300

DATE	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)
JUL 1987											
21...	<5	<200	<5	<200	<20	<700	<20	<700	<5	<200	<5
AUG											
25...	<5	<300	<5	<300	<20	<1200	<20	<1200	<5	<300	<5

DATE	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
JUL 1987											
21...	6400	<5	<30	<1000	<30	<1000	<0.2	<5	<200	<5	<30
AUG											
25...	12000	<5	<30	<1800	<30	<1800	<0.2	<5	<300	<5	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)
JUL 1987											
21...	<1000	<5	<9000	<5	<200	1.0	5.3	<5	37000	8.0	34000
AUG											
25...	<1800	<5	16000	<5	<300	0.8	8.3	<5	24000	<5	27000

TABLE 15.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN WATER, BOTTOM MATERIAL, AND TISSUE AND PHYSICAL DATA COLLECTED FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JULY-SEPTEMBER 1987--CONTINUED

301153093171900 - BAYOU D'INDE AT MOUTH NEAR SULPHUR, LOUISIANA

DATE	TIME	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)
JUL 1987												
21...	1230	5.1	<0.2	10	41	16	22	<0.2	<0.2	<5	<300	<5
SEP												
01...	1430	2.5	<0.2	20	160	12	17	<0.2	<0.2	<5	<36	<5

DATE	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)
JUL 1987												
21...	<300	<5	<300	<10	<300	<10	<600	<10	<600	<5	<300	<5
SEP												
01...	<36	<5	<36	<10	<71	<10	<71	<10	<71	<5	<36	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUL 1987												
21...	<300	<5	<300	<5	<300	<0.2	<0.2	<10	<600	<5	<300	<5
SEP												
01...	<36	<5	<36	<5	<36	<0.2	<0.2	<10	<71	<5	<36	<5

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUL 1987											
21...	<300	<0.2	<5	<300	<5	<300	<5	<300	<5	<300	<10
SEP											
01...	<36	<0.2	<5	<36	<5	<36	<5	<36	<5	<36	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)
JUL 1987											
21...	<600	<5	<0.2	<300	<0.2	<5	<300	<5	<3300	<5	<300
SEP											
01...	<71	<5	<0.2	<36	<0.2	<5	<36	<5	<36	<5	<36

DATE	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)
JUL 1987											
21...	<300	<5	<300	<30	<1800	<5	<300	<5	<300	4.1	<0.2
SEP											
01...	<36	<5	<36	<30	<210	<5	<36	<5	<36	6.6	<0.2

DATE	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	0.3	1.7	2.9	<0.2	<10	<600	<5	<300	<0.2	<300
SEP											
01...	1.3	0.5	2.6	6.0	<0.2	<10	<71	<5	<36	<5	<36

DATE	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	0.5	<5	<300	<10	<600	<0.2	<0.2	<300	<0.2	<300
SEP											
01...	<0.2	<0.2	<5	<36	<10	<71	<0.2	<5	<36	<5	<36

TABLE 15.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN WATER, BOTTOM MATERIAL, AND TISSUE AND PHYSICAL DATA COLLECTED FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JULY-SEPTEMBER 1987--CONTINUED

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	<5	<300	<5	<300	<5	<300	<10	<600	<5	<300
SEP											
01...	<0.2	<5	<36	<5	<36	<5	<36	<10	<71	<5	<36

DATE	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)
JUL 1987											
21...	<5	<300	<5	<300	<20	<1200	<20	<1200	<5	<300	<5
SEP											
01...	<5	<36	<5	<36	<20	<140	<20	<140	<5	<36	<5

DATE	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
JUL 1987											
21...	<300	<5	<30	<1800	<30	<1800	<0.2	<5	<300	<5	<30
SEP											
01...	<36	<5	<30	<210	<30	<210	<0.2	<5	<36	<5	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)
JUL 1987											
21...	<1800	<5	16000	<5	<300	<0.2	3.8	<5	16000	<5	<300
SEP											
01...	<210	<5	340	<5	<36	0.4	3.8	<5	15000	<5	<36

08017090 - CALCASIEU RIVER AT BURTON LANDING NEAR LAKE CHARLES, LOUISIANA

DATE	TIME	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)
JUL 1987												
21...	1300	<0.2	<0.2	0.8	<0.2	<0.2	1.7	<0.2	<0.2	<5	<270	<5
AUG												
25...	1230	<0.2	<0.2	3.5	3.5	<0.2	1.9	<0.2	<0.2	<5	<370	<5

DATE	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)
JUL 1987												
21...	<270	<5	<270	<10	<540	<10	<540	<10	<540	<5	<270	<5
AUG												
25...	<370	<5	<370	<10	<740	<10	<740	<10	<740	<5	<370	<5

DATE	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-ETHANE TOTAL (UG/L)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUL 1987												
21...	<270	<5	<270	<5	<270	<0.2	<0.2	<10	<540	<5	<270	<5
AUG												
25...	<370	<5	<370	<5	<370	<0.2	<0.2	<10	<740	<5	<370	<5

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUL 1987											
21...	<270	<0.2	<5	<270	<5	<270	<5	<270	<5	<270	<10
AUG											
25...	<370	<0.2	<5	<370	<5	<370	<5	<370	<5	<370	<10

TABLE 15.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN WATER, BOTTOM MATERIAL, AND TISSUE AND PHYSICAL DATA COLLECTED FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JULY-SEPTEMBER 1987--CONTINUED

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISOPHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISOPHORONE BOT.MAT (UG/KG)	METHYLENE CHLORIDE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE BOT.MAT (UG/KG)	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE BOT.MAT (UG/KG)	N-NITROSODIMETHYLAMINE TOTAL (UG/L)	N-NITROSODIMETHYLAMINE BOT.MAT (UG/KG)
JUL 1987 21...	<540	<5	<0.2	<270	<0.2	<5	<270	<5	<270	<5	<270
AUG 25...	<740	<5	<0.2	<370	<0.2	<5	<370	<5	<370	<5	<370

DATE	NAPHTHALENE BOT.MAT (UG/KG)	NITROBENZENE TOTAL (UG/L)	NITROBENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENANTHRENE TOTAL (UG/L)	PHENANTHRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRACHLOROETHYLENE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)
JUL 1987 21...	<270	<5	<270	<30	<1600	<5	5900	<5	4800	<0.2	<0.2
AUG 25...	<370	<5	<370	<30	<2200	<5	<370	<5	<370	0.5	<0.2

DATE	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE BOT.MAT (UG/KG)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)
JUL 1987 21...	<0.2	<0.2	<0.2	<0.2	<0.2	<10	<540	<5	<270	<0.2	<270
AUG 25...	<0.2	<0.2	<0.2	<0.2	<0.2	<10	<740	<5	<370	<0.2	<370

DATE	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)
JUL 1987 21...	<0.2	<0.2	<5	<270	---	<540	<0.2	<0.2	<270	<0.2	<270
AUG 25...	<0.2	<0.2	<5	<370	<10	<740	<0.2	<0.2	<370	<0.2	<370

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)
JUL 1987											
21...	<0.2	<5	<270	<5	<270	<5	<270	<10	<540	<5	<270
AUG											
25...	<0.2	<5	<370	<5	<370	<5	<370	<10	<740	<5	<370

DATE	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)
JUL 1987											
21...	<5	<270	<5	<270	<20	<1100	<20	<1100	<5	<270	<5
AUG											
25...	<5	<370	<5	<370	<20	<1500	<20	<1500	<5	<370	<5

DATE	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
JUL 1987											
21...	<270	<5	<30	<1600	<30	<1600	<0.2	<5	<270	<5	<30
AUG											
25...	<370	<5	<30	<2200	<30	<2200	<0.2	<5	<370	<5	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)
JUL 1987											
21...	<0.16	1210	14000	<5	<270	<0.2	1.0	<5	<270	<5	<270
AUG											
25...	<2200	<5	<19000	<5	<380	<0.2	<0.2	<5	<370	<5	<370

TABLE 15.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN WATER, BOTTOM MATERIAL, AND TISSUE AND PHYSICAL DATA COLLECTED FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JULY-SEPTEMBER 1987--CONTINUED

CONCENTRATIONS OF MANMADE ORGANIC COMPOUNDS IN RANGIA CUNEATA, JULY 21-SEPTEMBER 1, 1987

[CONCENTRATIONS IN MICROGRAMS PER KILOGRAM, WHOLE TISSUE BASIS]

	RANGIA BED DUPLICATES			BAYOU D'INDE AT MOUTH	CALCASIEU RIVER AT BURTON LANDING DUPLICATES	
	7/21	7/21	8/25	9/01	8/25	8/25
	1 CLAM					
BROMOFORM	ND	ND	ND	350	5	5
CHLOROFORM	5	4	ND	28	8	18
1,2-DICHLOROETHANE	ND	ND	ND	17	ND	ND
	40 CLAMS			36 CLAMS		
HEXACHLOROBENZENE	ND	ND	ND	220	20	
HEXACHLOROBUTADIENE	ND	ND	10	580	15	
OCTACHLORONAPHTHALENE	ND	ND	ND	ND	ND	
OCTACHLOROSTYRENE	ND	ND	ND	20	ND	
BENZOPYRENE	ND	ND	ND	ND	ND	
BENZOPERYLENE	ND	ND	ND	ND	ND	
NAPHTHALENE	ND	ND	ND	ND	ND	
PHENANTHRENE	ND	ND	ND	ND	ND	
FLUORANTHENE	ND	ND	ND	10	10	
PYRENE	ND	10	ND	10	20	
CHRYSENE	ND	ND	ND	20	10	
MOISTURE (PERCENT)	90.4	90.5	89.9	88.3	89.4	
LIPID (PERCENT)	0.5	0.5	0.5	0.3	0.3	

LOWEST LEVEL OF DETECTION FOR BROMOFORM AND 1,2-DICHLOROETHANE = 2 UG/KG; DUE TO VARIABLE BLANK, ANY CHLOROFORM VALUE BELOW 15 UG/KG MAY NOT BE REAL.

LOWEST LEVEL OF DETECTION FOR ALL OTHERS = 10 UG/KG.

IN SITU WATER-QUALITY MEASUREMENTS, JULY 21, 1987 - SEPTEMBER 1, 1987.

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
			JULY 21, 1987				
LAKE CHARLES	1.6	28.6	6.6	4.9	1,900	0.5	+157
AT RANGIA BED	3.3	28.6	6.4	3.8	2,400	0.8	+154
1115							
INDUSTRIAL OUTFALL	1.6	35.9	7.3	4.0	8,500	4.4	+156
0.25 MILE ABOVE	6.9	36.0	7.3	4.1	8,500	4.4	+158
BAYOU D'INDE							
1145							
BAYOU D'INDE AT	1.6	32.7	7.0	4.4	6,460	3.1	+150
MOUTH	6.3	31.3	7.0	4.3	6,150	2.9	+149
1430							
CALCASIEU RIVER AT	1.6	29.9	7.9	7.1	8,750	4.6	+164
BURTON LANDING	4.6	29.6	7.6	4.0	12,600	6.6	+165
1300							
			AUGUST 25, 1987				
LAKE CHALRES	1.6	31.0	7.3	5.7	7,720	3.9	+188
AT RANGIA BED							
1100							
INDUSTRIAL OUTFALL	1.6	41.0	7.5	5.6	22,200	13.2	+168
0.25 MILE ABOVE	5.6	41.0	7.5	5.4	22,200	13.2	+168
BAYOU D'INDE							
1400							
CALCASIEU RIVER AT	1.6	32.2	8.2	6.6	23,000	13.8	+146
BURTON LANDING	5.0	31.7	8.0	5.1	24,500	14.8	+157
1230							
			SEPTEMBER 1, 1987				
BAYOU D'INDE	1.6	32.2	7.8	7.8	17,500	10.0	+163
AT MOUTH	3.3	33.4	7.3	4.4	22,500	13.3	+174
1430							

TABLE 16.--RADON-222 ACTIVITY LEVELS IN WATER AND BOTTOM MATERIAL IN PRIEN LAKE, LOUISIANA, DECEMBER 1987-FEBRUARY 1988

[DISINTEGRATIONS PER MINUTE PER LITER, DPM/L]

DATE	SAMPLING TIME	RADON-222 ACTIVITY		TIME (HOURS)
		CLOSED CHAMBER (DPM/L)	OPEN CHAMBER (DPM/L)	
		FIRST DEPLOYMENT		
12-23-87	1030	2.1	0.4	0.0
1- 6-88	0930	1.9	19.3	360.0
1-13-88	1115	3.3	12.6	528.8
		SECOND DEPLOYMENT		
1-27-88	1400	2.0	2.3	0.0
1-29-88	1000	1.6	26.8	44.0
2- 1-88	1130	4.0	29.3	117.5
2- 9-88	1500	1.4	19.3	313.0

IN SITU RADON-222 SEDIMENT-WATER FLUX AND CALCULATED APPARENT SEDIMENT DIFFUSIVITIES

[DASHES (---), CORE NOT COLLECTED]

DATE	TIME (HOURS)	RADON FLUX (ATOMS PER SQUARE METER PER SECOND)		DIFFUSIVITY (SQUARE CENTIMETERS PER SECOND)
		INDIVIDUAL	MEAN	
		FIRST DEPLOYMENT		
1- 6-88	360.0	298	298	---
1-13-88	528.0	51	174	---
		SECOND DEPLOYMENT		
1-29-88	44.0	357	357	7.4×10^{-5}
2- 1-88	117.5	194	275	4.4×10^{-5}
2- 9-88	313.0	85	212	2.6×10^{-5}

TABLE 16.--RADON-222 ACTIVITY LEVELS IN WATER AND BOTTOM MATERIAL IN PRIEN LAKE, LOUISIANA, DECEMBER 1987-FEBRUARY 1988--CONTINUED

DISTRIBUTION OF RADON-222/RADIUM-226 WITHIN A BED-SEDIMENT CORE COLLECTED FROM PRIEN LAKE, LOUISIANA, JANUARY 1988

DEPTH FROM SURFACE (INCHES)	RADON-222/RADIUM-226 ACTIVITY RATIO
0.0- 1.2	0.52
1.2- 2.4	0.64
2.4- 3.5	0.84
3.5- 4.7	0.85
4.7- 5.9	0.82
5.9- 8.3	0.90
8.3-10.6	1.00
10.6-13.0	0.89
13.0-15.4	1.00
15.4-18.9	0.93

TABLE 17.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN COMPOSITED TISSUE SAMPLES FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 1986

BIOTA SAMPLED

ATLANTIC CROAKER - Micropogonias undulatus
SPECKLED TROUT - Cynoscion nebulosus
BLUE CRAB - Callinectes sapidus
MULLET - Mugil cephalus
HARDHEAD CATFISH - Arius felis
REDFISH - Sciaenops ocellatus
CLAMS - Rangia cuneata
FLOUNDER - Paralichthys sp.

[CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM, WHOLE TISSUE BASIS; LENGTHS IN CENTIMETERS; WEIGHTS IN GRAMS; ND, NOT DETECTED]

	BUOY 130				
	ATLANTIC CROAKER	ATLANTIC CROAKER DUPLICATE	HARDHEAD CATFISH	BLUE CRAB	BLUE CRAB DUPLICATE
HEXACHLOROBENZENE	0.06	0.07	0.04	0.01	0.01
HEXACHLOROBUTADIENE	0.07	0.09	0.09	ND	ND
OCTACHLORONAPHTHALENE	ND	ND	ND	ND	ND
OCTACHLOROSTYRENE	ND	ND	0.01	ND	ND
BENZOPYRENE	ND	ND	ND	ND	ND
BENZOPERYLENE	ND	ND	ND	ND	ND
NAPHTHALENE	0.01	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND

NUMBER, SIZE, AND WEIGHT INFORMATION FOR COMPOSITE SAMPLES

ATLANTIC CROAKER		HARDHEAD CATFISH		BLUE CRAB	
LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
23.2	140.2	26.7	198.6	16.5	203.1
29.6	283.2	29.9	233.5	17.4	170.5
		32.8	293.9	14.2	153.0
		20.8	76.2	15.8	172.6
		20.5	75.6	11.2	85.4
				12.9	108.5

TABLE 17.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN COMPOSITED TISSUE SAMPLES FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 1986--CONTINUED

CALCASIEU RIVER AT BAYOU D'INDE

	ATLANTIC CROAKER	SPECKLED TROUT	HARDHEAD CATFISH	BLUE CRAB	BLUE CRAB DUPLICATE
HEXACHLOROBENZENE	0.53	0.12	0.44	0.17	0.17
HEXACHLOROBUTADIENE	1.05	0.29	3.8	0.01	0.01
OCTACHLORONAPHTHALENE	ND	ND	ND	ND	ND
OCTACHLOROSTYRENE	ND	ND	ND	ND	ND
BENZOPYRENE	ND	ND	ND	ND	ND
BENZOPERYLENE	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND

LENGTH, SIZE AND WEIGHT INFORMATION FOR COMPOSITE SAMPLES

ATLANTIC CROAKER		SPECKLED TROUT		HARDHEAD CATFISH		BLUE CRAB	
LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
19.5	96.9	24.8	142.0	45.0	694.7	15.0	166.2
20.4	95.6	24.0	138.6	43.7	685.3	16.1	223.6
21.2	104.0	24.5	125.6	35.6	389.0	13.8	142.5
23.1	145.1	29.0	288.6	40.1	656.5	16.6	284.2
17.2	54.6			37.8	523.9	12.7	147.1
18.4	72.0			38.8	565.7	16.8	257.2

BAYOU D'INDE AT INDUSTRIAL OUTFALL

	PLANT MATERIAL	HARDHEAD CATFISH
HEXACHLOROBENZENE	0.31	1.1
HEXACHLOROBUTADIENE	0.32	9.9
OCTACHLORONAPHTHALENE	ND	ND
OCTACHLOROSTYRENE	0.07	0.01
BENZOPYRENE	ND	ND
BENZOPERYLENE	ND	ND
NAPHTHALENE	0.03	0.01
PHENANTHRENE	ND	0.04
FLUORANTHENE	ND	ND

NUMBER, LENGTH, AND WEIGHT INFORMATION FOR COMPOSITE SAMPLES

HARDHEAD CATFISH		PLANT MATERIAL
LENGTH	WEIGHT	WEIGHT
26.2	178.1	APPROX. 50 GRAMS
27.5	211.5	
29.5	230.4	
28.0	221.3	
27.1	185.6	
31.1	269.2	

TABLE 17.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN COMPOSITED TISSUE SAMPLES FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 1986--CONTINUED

CALCASIEU RIVER AT PETROLEUM REFINERY

	SPECKLED TROUT	SPECKLED TROUT DUPLICATE	HARDHEAD CATFISH	ATLANTIC CROAKER	BLUE CRAB	CLAMS
HEXACHLOROBENZENE	0.12	0.09	0.12	0.02	0.04	0.08
HEXACHLOROBUTADIENE	0.37	0.20	0.60	0.11	0.01	0.15
OCTACHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND
OCTACHLOROSTYRENE	ND	ND	0.03	ND	ND	ND
BENZOPYRENE	ND	ND	ND	ND	ND	ND
BENZOPERYLENE	ND	ND	ND	ND	ND	ND
NAPHTHALENE	ND	0.01	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	0.03

NUMBER, LENGTH, AND SIZE INFORMATION FOR COMPOSITE SAMPLES

SPECKLED TROUT		HARDHEAD CATFISH		ATLANTIC CROAKER		BLUE CRAB		CLAMS
LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	25 CLAMS, THE
30.1	255.6	33.1	317.1	27.4	288.6	17.8	256.8	AVERAGE WEIGHT
25.2	157.9	31.2	304.0	23.3	170.2	15.2	181.4	WAS 4 GRAMS
24.5	135.1	29.9	287.1	31.2	348.2	13.1	124.9	
24.8	144.0	27.1	202.0	21.6	107.3	13.7	131.0	
24.6	141.8	26.3	185.6	22.3	119.6	10.5	70.3	
24.9	147.5	24.8	152.6	21.1	98.6	11.0	85.3	
				20.0	91.2	12.4	108.7	
				22.1	141.3	10.2	87.2	

CALCASIEU RIVER AT BURTON LANDING

	SPECKLED TROUT	SPECKLED TROUT DUPLICATE	HARDHEAD CATFISH	HARDHEAD CATFISH	MULLET	CLAMS
HEXACHLOROBENZENE	0.09	0.08	0.06	0.06	4.0	0.4
HEXACHLOROBUTADIENE	0.15	0.10	0.39	0.37	3.6	1.7
OCTACHLORONAPHTHALENE	ND	ND	ND	ND	ND	ND
OCTACHLOROSTYRENE	ND	ND	0.02	0.04	ND	ND
BENZOPYRENE	ND	ND	ND	ND	ND	ND
BENZOPERYLENE	ND	ND	ND	ND	ND	ND
NAPHTHALENE	0.01	ND	ND	ND	0.10	ND
PHENANTHRENE	ND	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND	ND

TABLE 17.--CONCENTRATIONS OF METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS IN COMPOSITED TISSUE SAMPLES FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 1986--CONTINUED

CALCASIEU RIVER AT BURTON LANDING--CONTINUED

	REDFISH	ATLANTIC CROAKER	ATLANTIC CROAKER DUPLICATE	BLUE CRAB	FLOUNDER
HEXACHLOROBENZENE	0.02	0.04	0.06	0.01	0.05
HEXACHLOROBUTADIENE	0.03	0.13	0.10	ND	0.15
OCTACHLORONAPHTHALENE	ND	ND	ND	ND	ND
OCTACHLOROSTYRENE	ND	ND	ND	ND	0.01
BENZOPYRENE	ND	ND	ND	ND	ND
BENZOPERYLENE	ND	ND	ND	ND	ND
NAPHTHALENE	ND	ND	ND	ND	ND
PHENANTHRENE	ND	ND	ND	ND	ND
FLUORANTHENE	ND	ND	ND	ND	ND

LOWER LEVEL OF DETECTION FOR ORGANOCHLORINES = 0.01 MG/KG FOR TISSUE.
LOWER LEVEL OF DETECTION FOR POLYNUCLEAR AROMATIC HYDROCARBONS = 0.01 MG/KG FOR TISSUE.

NUMBER, LENGTH, AND SIZE INFORMATION FOR COMPOSITE SAMPLES

SPECKLED TROUT		HARDHEAD CATFISH		HARDHEAD CATFISH		CLAMS
LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	31 CLAMS, AVERAGE
31.0	292.0	38.0	782.5	27.0	212.5	WEIGHT 4 GRAMS
29.0	231.0	42.0	745.5	28.0	212.5	
24.5	138.5			25.0	171.4	

MULLET		REDFISH		ATLANTIC CROAKER		BLUE CRAB	
LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT	LENGTH	WEIGHT
23.5	123.0	26.0	260.0	24.5	221.4	20.0	364.8
25.5	174.2			20.0	95.0	18.0	295.4
				19.5	101.1	17.5	222.5
				18.0	73.0	16.5	269.5
				21.0	109.0	18.0	290.5

FLOUNDER	
LENGTH	WEIGHT
37.0	653.5

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988

301234093173600 - INDUSTRIAL OUTFALL AT LOCKPORT MARSH BRIDGE

DATE	TIME	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE BOT.MAT (UG/KG)	ACROLEIN BOT.MAT (UG/KG)	ACRYLONITRILE BOT.MAT (UG/KG)
JUN 1988 20...	0600	1	20	5500	190	160	1.4	25	<380	<380	<760	<760

DATE	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS (2-CHLOROETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLOROETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLOROISOPROPYL) ETHER BOT.MAT (UG/KG)	BROMOFORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHALATE BOT.MAT (UG/KG)	CARBON TETRACHLORIDE BOT.MAT (UG/KG)	CHLOROBENZENE BOT.MAT (UG/KG)
JUN 1988 20...	<380	<760	<76	<760	<760	<380	<380	<380	<76	570	<76	<76

DATE	DIBROMOCHLOROMETHANE BOT.MAT (UG/KG)	CHLOROETHANE BOT.MAT (UG/KG)	CHLOROFORM BOT.MAT (UG/KG)	CHRYSENE BOT.MAT (UG/KG)	BROMODICHLOROMETHANE BOT.MAT (UG/KG)	DIETHYL PHTHALATE BOT.MAT (UG/KG)	DIMETHYL PHTHALATE BOT.MAT (UG/KG)	ETHYLBENZENE BOT.MAT (UG/KG)	FLUORANTHENE BOT.MAT (UG/KG)	FLUORENE BOT.MAT (UG/KG)	HEXACHLOROCYCLOPENTADIENE BOT.MAT (UG/KG)	HEXACHLOROETHANE BOT.MAT (UG/KG)
JUN 1988 20...	<76	<76	<76	780	<76	<380	<380	<76	700	<380	2100	<380

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISOPHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL CHLORIDE BOT.MAT (UG/KG)	METHYLENE CHLORIDE BOT.MAT (UG/KG)	N-NITROSODI-N-PROPYLAMINE BOT.MAT (UG/KG)	N-NITROSODIPHENYLAMINE BOT.MAT (UG/KG)	N-NITROSODIMETHYLAMINE BOT.MAT (UG/KG)	NAPHTHALENE BOT.MAT (UG/KG)	NITROBENZENE BOT.MAT (UG/KG)	PARACHLOROMETA CRESOL BOT.MAT (UG/KG)	PHENANTHRENE BOT.MAT (UG/KG)
JUN 1988 20...	<760	<380	<76	<76	130	<380	<380	<380	760	<380	<2300	580

DATE	PYRENE BOT.MAT (UG/KG)	TETRACHLOROETHYLENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRICHLOROETHYLENE BOT.MAT (UG/KG)	TRICHLOROFLUOROMETHANE BOT.MAT (UG/KG)	VINYL CHLORIDE BOT.MAT (UG/KG)	1,1-DICHLOROETHANE BOT.MAT (UG/KG)	1,1-DICHLOROETHYLENE BOT.MAT (UG/KG)	1,1,1-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2,2-TETRACHLOROETHANE BOT.MAT (UG/KG)	BENZOGHI PERYLENE1,12-BENZOPERYLENE BOT.MAT (UG/KG)
JUN 1988 20...	2800	83	<15	98	<76	<76	<76	<76	510	<76	<76	<760

DATE	BENZO A ANTHRACENE1,2-BENZANTHRACENE BOT.MAT (UG/KG)	1,2-DICHLOROETHANE BOT.MAT (UG/KG)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<380	<76	3100	<76	<76	26000	<760	<380	1000	76	<380	<380

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4-DINITROPHENOL BOT.MAT (UG/KG)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)
JUN 1988 20...	<380	<760	<380	<380	<380	<1500	<1500	<380	<1900	<380	<380

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL BOT.MAT (UG/KG)	BIS(2-ETHYLHEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE BOT.MAT (UG/KG)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)
JUN 1988 20...	<2300	<2300	1300	<0.08	<15	<2300	<380	<380	<3800	470000	630000

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<1000	<1000	<1000	<1000	<1000	<10	<1000	<1000	<1000	<10	<10000	<10000

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<1000	<1000	<1000	<10	<1000	<10	<10	<1000	<10	<1000	<50000	20

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

301234093174900 - INDUSTRIAL OUTFALL CANAL AT BRIDGE 0.25 MILE ABOVE MOUTH

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)
JUN 1988												
20...	1445	180	540	5500	180	1200	9400	0.6	20	18000	0.01	0.10

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)
JUN 1988												
20...	0.25	0.58	0.15	<1	<1	<1	20	1	40	940	80	11000

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	ACE-NAPHTH-YLENE TOTAL (UG/L)
JUN 1988												
20...	<5	<5	70	220	140	270	<0.1	<0.1	1.6	4.1	33	<5.0

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988												
20...	<580	<5.0	<580	<1200	<1200	<5.0	<580	<10	<1200	<120	<10	<1200

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<1200	<5.0	<580	<5.0	<580	<5.0	<580	<120	<5.0	<580	<120

DATE	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE BOT.MAT (UG/KG)
JUN 1988 20...	<120	<120	<120	<120	<10	<1200	<120	<5.0	<580	<5.0	<580	<120

DATE	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)
JUN 1988 20...	<5.0	<580	<5.0	<580	<5.0	1600	<5.0	<580	<10	<1200	<5.0	<580

DATE	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)
JUN 1988 20...	<120	<120	270	<5.0	<580	<5.0	<580	<580	760	<5.0	<580

DATE	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988 20...	<30	<3500	<5.0	68000	<5.0	<580	<120	<23	<120	<120	<120

DATE	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2-TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12-BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12-BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)
JUN 1988 20...	<120	<120	4500	<120	<120	<10	<1200	<5.0	<580	420	<5.0

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZANTHRACENE TOTAL (UG/L)	1,2,5,6-DIBENZANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)
JUN 1988											
20...	4400	<120	<120	<5.0	11000	<10	<1200	<5.0	<580	<5.0	<580

DATE	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL TOTAL (UG/L)	2-CHLOROPHENOL BOT.MAT (UG/KG)	2-NITROPHENOL TOTAL (UG/L)	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)
JUN 1988											
20...	<120	<5.0	<580	<5.0	<580	<5.0	<580	<10	<1200	<5.0	<580

DATE	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)
JUN 1988											
20...	<5.0	<580	<5.0	<580	<20	<2300	<20	<2300	<5.0	<580	<25

DATE	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)
JUN 1988											
20...	<2900	<5.0	<580	<5.0	<580	<30	<3500	<30	<3500	<0.1	<5.0

DATE	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	PENTACHLOROPHENOL BOT.MAT (UG/KG)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)
JUN 1988											
20...	<580	5.0	<0.12	<0.12	<30	<3500	<5.0	2800	<5.0	<580	<50

DATE	BENZIDINE BOT.MAT (UG/KG)	AROCLOR 1221 PCB TOTAL (UG/L)	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)
JUN 1988											
20...	<5800	<0.1	<0.1	0.8	<0.1	1.5	<0.1	<5.0	68000	9.0	260000

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988												
20...	<1000	<1000	<1000	<1000	<1000	<10	<1000	<1000	<1000	<10	<10000	<10000

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988											
20...	<1000	<1000	<10	<1000	<10	15	<1000	<10	<1000	<50000	20

301233093180100 - INDUSTRIAL OUTFALL CANAL 100 FT ABOVE MOUTH
DUPLICATE SAMPLES

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988												
20...	1415	25900	6.90	35.5	4.4	180	520	5400	170	1200	9200	0.60
20...	1416	---	---	---	---	---	---	---	---	---	---	---

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988												
20...	20	17700	0.010	0.100	0.270	0.55	0.180	1	<1	<1	20	1
20...	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988												
20...	30	580	80	6300	<5	<5	120	200	140	180	<0.1	0.1
20...	---	---	---	---	---	---	---	---	---	---	---	---

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBON TETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988												
20...	1.6	3.3	50	5.5	<0.2	33	100	15	14	<0.2	<0.2	<5.0
20...	---	---	48	7.3	<0.2	23	170	18	13	<0.2	0.4	---

DATE	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE TOTAL (UG/L)	ACENAPHTHENE BOT.MAT (UG/KG)	ACROLEIN BOT.MAT (UG/KG)	ACRYLONITRILE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)
JUN 1988												
20...	<620	<5.0	---	<1200	<1200	<5.0	<620	<10	<1200	<120	<10	<1200
20...	<620	---	<620	<1200	<1200	---	<620	---	<1200	<120	---	<1200

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER BOT.MAT (UG/KG)	BROMOFORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE BOT.MAT (UG/KG)	CARBON TETRACHLORIDE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<1200	<5.0	<620	<5.0	<620	<5.0	<620	<120	<5.0	<620	<120
20...	---	<1200	---	<620	---	<620	---	<620	<120	---	<620	<120

DATE	CHLOROBENZENE TOTAL (UG/L)	CHLOROBENZENE BOT.MAT (UG/KG)	DIBROMOCHLOROMETHANE BOT.MAT (UG/KG)	CHLOROETHANE TOTAL (UG/L)	CHLOROETHANE BOT.MAT (UG/KG)	CHLOROFORM BOT.MAT (UG/KG)	CHRYSENE TOTAL (UG/L)	CHRYSENE BOT.MAT (UG/KG)	BROMODICHLOROMETHANE BOT.MAT (UG/KG)	DIETHYL PHTHALATE TOTAL (UG/L)	DIETHYL PHTHALATE BOT.MAT (UG/KG)	DIMETHYL PHTHALATE TOTAL (UG/L)
JUN 1988												
20...	<0.2	<120	<120	<0.2	<120	<120	<10	<1200	<120	<5.0	<620	<5.0
20...	0.4	<120	<120	<0.2	<120	<120	---	<1200	<120	---	<620	---

DATE	DI-METHYL PHTHALATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988												
20...	---	<0.2	<120	<5.0	<620	<5.0	<620	<5.0	<620	<5.0	<620	<10
20...	<620	<0.2	<120	---	<620	---	<620	---	<620	---	<620	---

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988												
20...	<1200	<5.0	<0.2	<620	<120	0.3	<120	<0.2	260	<5.0	<620	<5.0
20...	<1200	---	<0.2	<620	<120	0.3	<120	0.3	380	---	<620	---

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988											
20...	<620	<620	860	<5.0	<620	<30	<3800	<5.0	<620	<5.0	<620
20...	<620	<620	890	---	<620	---	<3800	---	<620	---	<620

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988											
20...	16	<120	<25	<120	<0.2	<120	<120	<0.2	<120	0.5	<120
20...	17	<120	<25	<120	<0.2	<120	<120	0.2	<120	0.9	<120

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988											
20...	2.1	4400	3.2	<120	4.0	<120	<10	<620	<5.0	<620	400
20...	2.7	<120	4.7	<120	6.7	<120	---	<1200	---	<620	<120

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)
JUN 1988											
20...	<0.2	6400	<0.2	<120	0.2	<120	<5.0	2300	<10	<1200	<0.2
20...	<0.3	2900	<0.2	<120	0.3	<120	---	770	---	<1200	<0.2

DATE	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)	2-CHLOROETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL TOTAL (UG/L)	2-CHLOROPHENOL BOT.MAT (UG/KG)	2-NITROPHENOL TOTAL (UG/L)
JUN 1988											
20...	<0.2	<620	<0.2	<620	<10	<120	<5.0	<620	<5.0	<620	<5.0
20...	<0.2	<620	<0.3	<620	<10	<120	---	<620	---	<620	---

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)
JUN 1988											
20...	<620	<10	<1200	<5.0	<620	<5.0	<620	<5.0	<620	<20	<2500
20...	<620	---	<1200	---	<620	---	<620	---	<620	---	<2500

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988											
20...	<20	<2500	<5.0	---	<25	<3100	<5.0	---	<5.0	<620	<30
20...	---	<2500	---	<620	---	<3100	---	<620	---	<620	---

DATE	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
JUN 1988											
20...	<3800	<30	<3800	<0.2	<0.1	<5.0	<620	5.0	<0.2	<0.2	<30
20...	<3800	---	<3800	<0.2	---	---	<620	---	<0.2	<0.2	---

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988											
20...	<3800	<0.2	<5.0	1100	<5.0	<620	<50	<6200	0.7	4.8	<0.1
20...	<3800	<0.2	---	5700	---	<620	---	<6200	0.8	6.9	---

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988											
20...	<0.1	<0.5	<0.1	1.4	<0.1	<5.0	84000	8.0	5900	<0.2	<0.2
20...	---	---	---	---	---	---	35000	---	3100	---	---

301159093205500 - BAYOU D'INDE AT LITTLE BAYOU D'INDE

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
JUN 1988												
20...	0950	17800	7.10	28.5	1.4	110	480	2500	76	670	5000	0.4

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
JUN 1988												
20...	15	10100	<0.01	<0.02	0.60	1.1	0.43	1	<1	<1	8	1

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988												
20...	10	330	40	3100	<5	<5	20	650	470	60	<0.1	<0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988												
20...	0.35	3.3	38	<0.2	<0.2	3.1	<0.2	<0.2	3.1	<0.2	<0.2	<5.0

DATE	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE TOTAL (UG/L)	ACENAPHTHENE BOT.MAT (UG/KG)	ACROLEIN BOT.MAT (UG/KG)	ACRYLONITRILE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)
JUN 1988												
20...	<780	<5.0	<780	<1600	<1600	<5.0	<780	<10	<1600	<160	<10	<1600

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER BOT.MAT (UG/KG)	BROMOFORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE BOT.MAT (UG/KG)	CARBON TETRACHLORIDE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<1600	<5.0	<780	<5.0	<780	<5.0	<780	<160	<5.0	<780	<160

DATE	CHLOROBENZENE TOTAL (UG/L)	CHLOROBENZENE BOT.MAT (UG/KG)	DIBROMOCHLOROMETHANE BOT.MAT (UG/KG)	CHLOROETHANE TOTAL (UG/L)	CHLOROETHANE BOT.MAT (UG/KG)	CHLOROFORM BOT.MAT (UG/KG)	CHRYSENE TOTAL (UG/L)	CHRYSENE BOT.MAT (UG/KG)	BROMODICHLOROMETHANE BOT.MAT (UG/KG)	DIETHYL PHTHALATE TOTAL (UG/L)	DIETHYL PHTHALATE BOT.MAT (UG/KG)	DIMETHYL PHTHALATE TOTAL (UG/L)
JUN 1988												
20...	<0.2	<160	<160	<0.2	<160	<160	<10	<1600	<160	<5.0	<780	<5.0

DATE	DI-METHYL PHTHALATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988 20...	<780	<0.2	<160	<5.0	<780	<5.0	<780	<5.0	<780	<5.0	<780	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988 20...	<1600	<5.0	<0.2	<780	<160	<0.2	<160	<0.4	270	<5.0	<780	<5.0

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<780	<780	<780	<5.0	<780	<30	<4700	<5.0	<780	<5.0	<780

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	4.5	<160	<31	<160	<0.2	<160	<160	<0.2	<160	<0.2	<160

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988 20...	0.4	2800	<0.2	<160	0.8	<160	<10	<1600	<5.0	<780	<160

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<780	<0.2	<160	<0.2	<160	<5.0	<780	<10	<1600	<0.2

DATE	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL TOTAL (UG/L)	2-CHLOROPHENOL BOT.MAT (UG/KG)	2-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<780	<0.2	<780	<10	<160	<5.0	<780	<5.0	<780	<5.0

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<780	<10	<1600	<5.0	<780	<5.0	<780	<5.0	<780	<20	<3100

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<20	<3100	<5.0	<780	<25	<3900	<5.0	<780	<5.0	<780	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988 20...	<4700	<30	<4700	<0.2	<0.1	<5.0	<780	5.0	<0.2	<0.2	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988 20...	<4700	<0.2	<5.0	2600	<5.0	<780	<50	<7800	<0.2	1.9	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988 20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<780	<5.0	<780	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988 20...	<100	<100	<100	<100	<100	<10	<100	<100	<100	<10	<0.1	<1000

DATE	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988 20...	<100	<100	<100	<10	<100	<10	<10	<100	<10	<100	<5000	<10

301205093201800 - BAYOU D'INDE 1 MILE BELOW LITTLE BAYOU D'INDE

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
JUN 1988 20...	1030	17400	7.20	29.0	2.3	140	340	3500	110	810	6200	0.4

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
JUN 1988												
20...	15	12100	<0.01	<0.02	0.66	1.0	0.40	<1	<1	<1	10	1

DATE	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
JUN 1988												
20...	130	340	90	21000	<5	<5	60	550	550	150	<0.1	<0.1

DATE	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)
JUN 1988												
20...	0.68	3.5	45	0.3	<0.2	3.1	11	1.0	2.6	<0.2	<0.2	<5.0

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988												
20...	<830	<5.0	<830	<1700	<1700	<5.0	<830	<10	<1700	<170	<10	<1700

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<1700	<5.0	<830	<5.0	<830	<5.0	<830	<170	<5.0	<830	<170

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988 20...	<0.2	<170	<170	<0.2	<170	<170	<10	<1700	<170	<5.0	<830	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988 20...	<830	<0.2	<170	<5.0	<830	<5.0	<830	<5.0	<830	<5.0	<830	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988 20...	<1700	<5.0	<0.2	<830	<170	<0.2	<170	<0.3	520	19	<830	<5.0

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<830	<830	<830	<5.0	<830	<30	<5000	<5.0	<830	<5.0	<830

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	4.4	<170	<33	<170	<0.2	<170	<170	<0.2	<170	<0.2	<170

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,1,2,2 -TETRACHLOROETHANE BOT.MAT (UG/KG)	BENZOGHI PERYLENE1,12 -BENZOPERYLENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12 -BENZOPERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE BOT.MAT (UG/KG)	1,2-DICHLOROETHANE BOT.MAT (UG/KG)
JUN 1988 20...	0.4	700	<0.2	<170	0.9	<170	<10	<1700	<5.0	<830	<170

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<830	<0.2	<170	<0.2	<170	<5.0	<830	<10	<1700	<0.2

DATE	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL TOTAL (UG/L)	2-CHLOROPHENOL BOT.MAT (UG/KG)	2-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<830	<0.2	<830	<10	<170	<5.0	<830	<5.0	<830	<5.0

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<830	<10	<1700	<5.0	<830	<5.0	<830	<5.0	<830	<20	<3300

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<20	<3300	<5.0	<830	<25	<4200	<5.0	<830	<5.0	<830	<30

DATE	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
JUN 1988 20...	<5000	<30	<5000	<0.2	<0.1	<5.0	<830	12	<0.2	<0.2	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988 20...	<5000	<0.2	<5.0	<830	<5.0	<830	<50	<8300	<0.2	1.6	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988 20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<830	<5.0	<830	<0.2	0.3

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988 20...	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100	<100

DATE	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988 20...	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<500	<10

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

301203093195900 - BAYOU D'INDE 0.5 MILE ABOVE HIGHWAY 108

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988 20...	1100	15100	7.20	29.0	1.1	140	360	3700	12	870	6400	0.5

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988 20...	15	12200	<0.01	<0.02	0.69	1.0	0.38	<1	<1	<1	10	1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988 20...	50	360	110	3400	<5	<5	10	530	520	52	<0.1	<0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988 20...	0.17	3.5	25	0.4	<0.2	2.6	12	1.3	2.3	0.4	0.2	<5.0

DATE	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE TOTAL (UG/L)	ACENAPHTHENE BOT.MAT (UG/KG)	ACROLEIN BOT.MAT (UG/KG)	ACRYLONITRILE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)
JUN 1988 20...	<400	<5.0	<400	<810	<810	<5.0	<400	<10	<810	<81	<10	<810

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<810	<5.0	<400	<5.0	<400	<5.0	<400	<81	<5.0	<400	<81

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988												
20...	<0.2	<81	<81	<0.2	<81	<81	<10	<810	<81	<5.0	<400	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988												
20...	<400	<0.2	<81	<5.0	<400	<5.0	<400	<5.0	<400	<5.0	<400	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)
JUN 1988											
20...	<810	<5.0	<0.2	<400	<81	<0.2	<81	<0.7	<81	<5.0	<400

DATE	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)
JUN 1988											
20...	<5.0	<400	<400	<400	<5.0	<400	<30	<2400	<5.0	<400	<5.0

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	<400	3.8	<81	<16	<81	<0.2	<81	<0.2	<81	<0.2	<81

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988 20...	0.5	<81	1.0	<81	0.7	1700	<10	<810	<10	<400	<81

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<400	<0.2	<81	<0.2	<81	<5.0	<400	<10	<810	<0.2

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<400	<0.2	<400	<10	<81	<5.0	<400	<5.0	<400	<5.0

DATE	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<400	<10	<810	<5.0	<400	<5.0	<400	<5.0	<400	<20	<1600

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<20	<1600	<5.0	<400	<25	<2000	<5.0	<400	<5.0	<400	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988 20...	<2400	<30	<2400	<0.2	<0.1	<5.0	<400	<5.0	<0.2	<0.2	<30

DATE	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988 20...	<2400	<0.2	<5.0	<400	<5.0	<400	<50	<4000	<0.2	1.6	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988 20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<400	<5.0	<400	<0.2	1.0

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<10	<10	<10	<10	<10	<10	<10	<10	290	<10	<100	<100

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988												
20...	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<500	<10

301209093193600 - BAYOU D'INDE 500 FEET ABOVE HIGHWAY 108

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988												
20...	1115	18600	7.20	29.5	0.5	160	380	3900	120	880	6800	0.5

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988												
20...	16	13100	<0.01	<0.02	0.54	0.97	0.33	<1	1	1	10	<1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988												
20...	100	370	70	8100	<5	<5	30	430	420	150	<0.1	0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988												
20...	0.4	3.1	64	0.5	<0.2	2.2	18	1.7	2.0	<0.2	<0.2	<5.0

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988 20...	<840	<5.0	<780	<1600	<1600	<5.0	<780	<10	<1600	<160	<10	<1600

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988 20...	<10	<1600	<5.0	<780	<5.0	<780	<5.0	<780	<160	<5.0	<780	<160

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988 20...	<0.2	<160	<160	<0.2	<160	<160	<10	<1600	<160	<5.0	<780	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<780	<0.2	<160	<5.0	<780	<5.0	<780	<5.0	<5.0	<780	<10	<1600

DATE	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)
JUN 1988 20...	<5.0	<0.2	<780	<160	<0.2	<160	<0.2	390	<5.0	<780	<5.0	<780

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	<780	<780	<5.0	<780	<30	<4700	<5.0	<780	<5.0	<780	3.7	<160

DATE	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988 20...	<31	<160	<0.2	<160	<0.2	<160	<0.2	<160	0.4	<160	0.7	<160

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)
JUN 1988 20...	0.6	<160	<10	<1600	<5.0	<780	<160	<0.2	<780	<0.2	<160	<0.2

DATE	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)
JUN 1988 20...	<160	<5.0	<780	<10	<1600	<0.2	<0.2	<780	<0.2	<780	<10	<160

DATE	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)
JUN 1988 20...	<5.0	<780	<5.0	<780	<5.0	<780	<10	<1600	<5.0	<780	<5.0	<780

DATE	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)
JUN 1988 20...	<5.0	<780	<20	<3100	<20	<3100	<5.0	<780	<25	<3900	<5.0	<780

DATE	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)
JUN 1988 20...	<5.0	<780	<30	<4700	<30	<4700	<0.2	<0.1	<5.0	<780	14	<0.2

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<30	<4700	<0.2	6.0	800	<5.0	<780	<50	<7800	<0.2	1.3

DATE	AROCLOR 1221 PCB TOTAL (UG/L)	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988 20...	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<780	<5.0	<780	<0.2	0.5

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<10	<10	<10	<10	<10	<10	81	<10	27	<10	<100	<100

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988												
20...	<10	<10	<10	<10	43	22	14	<10	<10	<10	<500	<10

301209093193000 - BAYOU D'INDE 500 FEET BELOW HIGHWAY 108

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)
JUN 1988												
20...	1145	18200	7.20	29.5	0.8	<1	50	8200	30	170	0.28	3.0

DATE	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBON-TETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE TOTAL (UG/L)
JUN 1988												
20...	42	1.0	<0.2	3.4	35	3.3	3.0	<0.2	<0.2	<5.0	<600	<5.0

DATE	ACENAPHTHENE BOT.MAT (UG/KG)	ACROLEIN BOT.MAT (UG/KG)	ACRYLONITRILE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)
JUN 1988												
20...	<600	<1200	<1200	<5.0	<600	<10	<1200	<120	<10	<1200	<10	<1200

DATE	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER BOT.MAT (UG/KG)	BROMOFORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE BOT.MAT (UG/KG)	CARBON TETRACHLORIDE BOT.MAT (UG/KG)	CHLOROBENZENE TOTAL (UG/L)	CHLOROBENZENE BOT.MAT (UG/KG)
JUN 1988												
20...	<5.0	<600	<5.0	<600	<5.0	<600	<120	<5.0	<600	<120	<0.2	<120

DATE	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)
JUN 1988 20...	<120	<0.2	<120	<120	<10	<1200	<120	<5.0	<600	<5.0	<600	<0.2

DATE	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)
JUN 1988 20...	<120	<5.0	<600	<5.0	<600	<5.0	<600	<5.0	<600	<10	<1200	<5.0

DATE	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<600	<120	<0.2	<120	<0.3	200	<5.0	<600	<5.0	<600	<600

DATE	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)
JUN 1988 20...	<600	11	<600	<30	<3600	<5.0	<600	<5.0	<600	6.2	<120	<24

DATE	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988 20...	<120	<0.2	<120	<120	<0.2	<120	<0.2	<120	0.6	430	1.1	<120

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)
JUN 1988 20...	1.1	<120	<10	<1200	<5.0	<600	<120	<0.2	<600	<0.2	<120	<0.2

DATE	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)
JUN 1988 20...	<120	<5.0	<600	<10	<1200	<0.2	<0.2	<600	<0.2	<600	<10	<120

DATE	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)
JUN 1988 20...	<5.0	<600	<5.0	<600	<5.0	<600	<10	<1200	<5.0	<600	<5.0	<600

DATE	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)
JUN 1988 20...	<5.0	<600	<20	<2400	<20	<2400	<5.0	<600	<25	<3000	<5.0	<600

DATE	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO -ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO -ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988 20...	<5.0	<600	<30	<3600	<30	<3600	<0.2	<0.1	<5.0	<600	16	<0.2

DATE	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)
JUN 1988												
20...	<0.2	<30	<3600	<0.2	<5.0	<600	<5.0	<600	<50	<6000	<0.2	1.9

DATE	AROCLOR 1221 PCB TOTAL (UG/L)	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988												
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<600	<5.0	<600	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988												
20...	<10	<10	<10	<10	39	<10	<10	<10	<10	<10	<100	<100

DATE	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988												
20...	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<500	<10

301230093181300 - BAYOU D'INDE 0.25 MILE ABOVE INDUSTRIAL OUTFALL CANAL

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
JUN 1988												
20...	1220	21900	7.30	29.5	4.2	160	440	4000	140	960	7000	0.5

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
JUN 1988												
20...	10	13600	<0.01	<0.02	0.05	0.38	0.09	<1	<1	<1	20	<1
DATE	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
JUN 1988												
20...	20	390	40	3400	7	<5	30	210	80	64	<0.1	0.1

DATE	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)
JUN 1988												
20...	2.7	2.6	60	1.4	<0.2	2.4	73	6.6	3.2	<0.2	<0.2	<5.0

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988												
20...	<780	<5.0	<780	<1600	<1600	<5.0	<780	<10	<1600	<160	<10	<1600

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<1600	<5.0	<780	<5.0	<780	<5.0	<780	<160	<5.0	<780	<160

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988 20...	<0.2	<160	<160	<0.2	<160	<160	<10	<1600	<160	<5.0	<780	<5.0

DATE	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<160	<5.0	<780	<5.0	<780	<5.0	<780	<5.0	<780	<10	<1600

DATE	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988 20...	<5.0	<0.2	<780	<160	<0.2	<160	<0.4	410	<5.0	<780	<5.0

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<780	<780	980	<5.0	<780	<30	<4700	<5.0	<780	<5.0	<780

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	5.2	<160	<31	<160	<0.2	<160	<160	<0.2	<160	<0.2	<160

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,1,2,2-TETRACHLOROETHANE BOT.MAT (UG/KG)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE BOT.MAT (UG/KG)	1,2-DICHLOROETHANE BOT.MAT (UG/KG)
JUN 1988 20...	0.6	<160	0.9	<160	1.1	<160	<10	<1600	<5.0	<780	<160

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRA-CENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<780	<0.2	<160	<0.2	<160	<5.0	<780	<10	<1600	<0.2

DATE	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL TOTAL (UG/L)	2-CHLOROPHENOL BOT.MAT (UG/KG)	2-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<780	<0.2	<780	<10	<160	<5.0	<780	<5.0	<780	<5.0

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<780	<10	<1600	<5.0	<780	<5.0	<780	<5.0	<780	<20	<3100

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<20	<3100	<5.0	<780	<25	<3900	<5.0	<780	<5.0	<780	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988 20...	<4700	<30	<4700	<0.2	<0.1	<5.0	<780	5.0	<0.2	<0.2	<30

DATE	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYLHEXYL)PHTHALATE TOTAL (UG/L)	BIS(2-ETHYLHEXYL)PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYLPHTHALATE TOTAL (UG/L)	DI-N-BUTYLPHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988 20...	<4700	<0.2	<5.0	<780	<5.0	<780	<50	<7800	<0.2	1.2	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988 20...	<0.1	0.7	<0.1	0.1	<0.1	<5.0	<780	<5.0	<780	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<100	<100	<100	<100	<100	<10	<100	<100	<100	<10	<1000	<1000

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<100	<100	<100	<10	<100	<10	<10	<100	<10	<100	<5000	<10

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

301224093174900 - BAYOU D'INDE 0.25 MILE BELOW INDUSTRIAL OUTFALL CANAL

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988												
20...	1247	22900	7.60	29.0	5.0	140	440	4000	150	960	7200	0.5

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988												
20...	8.8	13800	<0.01	<0.02	0.04	0.27	0.09	<1	<1	<1	10	1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988												
20...	50	260	60	12000	<5	<5	80	140	10	3900	<0.1	<0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988												
20...	2.8	3.3	84	0.6	<0.2	1.2	35	2.9	1.4	<0.2	<0.2	<5.0

DATE	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE TOTAL (UG/L)	ACENAPHTHENE BOT.MAT (UG/KG)	ACROLEIN BOT.MAT (UG/KG)	ACRYLONITRILE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)
JUN 1988												
20...	<680	<5.0	<680	<1400	<1400	<5.0	<680	<10	<1400	<140	<10	<1400

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988 20...	<10	<1400	<5.0	<680	<5.0	<680	<5.0	<680	<140	<5.0	<680	<140

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988 20...	<0.2	<140	<140	<0.2	<140	<140	<10	<1400	<140	<5.0	<680	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988 20...	<680	<0.2	<140	<5.0	<680	<5.0	<680	<5.0	<680	<5.0	<680	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988 20...	<1400	<5.0	<0.2	<680	<140	<0.2	<140	<0.2	410	<0.5	<680	<5.0

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<680	<680	<680	<5.0	<680	<30	<4100	<5.0	<680	<5.0	<680

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	2.4	170	<27	<140	<0.2	<140	<140	<0.2	<140	<0.2	<140

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<140	0.3	<140	0.4	<140	<10	<1400	<5.0	<680	<140

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	1600	<0.2	<140	<0.2	<140	<5.0	<680	<10	<1400	<0.2

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<680	<0.2	<680	<10	<140	<5.0	<680	<5.0	<680	<5.0

DATE	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<680	<10	<1400	<5.0	<680	<5.0	<680	<5.0	<680	<20	<2700

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<20	<2700	<5.0	<680	<25	<3400	<5.0	<680	<5.0	<680	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988 20...	<4100	<30	<4100	<0.2	<0.1	<5.0	<680	<5.0	<0.2	<0.2	<30

DATE	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988 20...	<4100	<0.2	<5.0	<680	<5.0	<680	<50	<6800	<0.2	0.5	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988 20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	14000	<5.0	4100	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<100	<100	<100	<100	<100	<10	<100	<100	<100	<10	<1000	<1000

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988												
20...	<100	<100	<100	<10	<100	<10	<10	<100	<10	<100	<5000	<10

301210093173900 - BAYOU D'INDE 0.5 MILE ABOVE MOUTH

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988												
20...	1305	22100	7.60	29.5	4.8	140	440	4000	140	970	6900	0.5

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988												
20...	8.1	13500	<0.01	<0.02	0.04	0.28	0.07	<1	2	<1	10	<1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988												
20...	40	260	60	3500	<5	<5	30	150	10	240	<0.1	0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988												
20...	6.3	2.8	86	0.5	<0.2	0.9	18	1.7	1.1	<0.2	<0.2	<5.0

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988 20...	<620	<5.0	<620	<1400	<1400	<5.0	<620	<10	2500	<140	<10	1700

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988 20...	<10	2500	<5.0	<620	<5.0	<620	<5.0	<620	<140	<5.0	<620	<140

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988 20...	<0.2	<140	<140	<0.2	<140	<140	<10	4200	<140	<5.0	<620	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988 20...	<620	<0.2	<140	<5.0	840	<5.0	<620	<5.0	<620	<5.0	<620	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)
JUN 1988 20...	<1200	<5.0	<0.2	<620	<140	<0.2	<140	<0.7	220	<5.0	<620

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)
JUN 1988 20...	<5.0	<620	<620	<620	<5.0	<620	<30	3800	<5.0	2600	<5.0

DATE	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
JUN 1988 20...	<620	1.9	<140	<25	<140	<0.2	<140	<140	<0.2	<140	<0.2

DATE	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)
JUN 1988 20...	<140	0.3	4900	<0.2	<140	0.3	<140	<10	<1200	<5.0	1700

DATE	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988 20...	<140	<0.2	2300	<0.2	<140	460	<5.0	<620	<10	<1200	<0.2

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<620	<0.2	<620	<10	<140	<5.0	<620	<5.0	<620	<5.0

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<620	<10	<1200	<5.0	<620	<5.0	<620	<5.0	<620	<20	<2500

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<20	<2500	<5.0	<620	<25	<3100	<5.0	<620	<5.0	<620	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988 20...	<3800	<30	<3800	<0.2	<0.1	<5.0	<620	<5.0	<0.2	<0.2	<30

DATE	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988 20...	<3800	<0.2	<5.0	<620	<5.0	<620	<50	<6200	<0.2	0.5	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988 20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	7600	<5.0	770	<0.2	<0.2

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988												
20...	<100	<100	<100	<100	370	<10	<100	<100	<100	<10	<1000	<1000

DATE	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988												
20...	<100	<100	<100	<10	<100	<10	<10	<100	<10	<10	<5000	<10

301153093171900 - BAYOU D'INDE AT MOUTH NEAR SULPHUR, LA

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988												
20...	1330	24100	7.60	29.0	4.5	140	440	3800	140	980	7000	0.4

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988												
20...	8.6	13500	<0.01	<0.02	0.04	0.3	0.07	<1	<1	<1	20	<1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988 20...	20	300	50	3300	<5	<5	50	140	20	58	<0.1	<0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988 20...	2.1	2.8	64	0.5	<0.2	1.0	34	2.7	1.2	<0.2	<0.2	<5.0

DATE	ACENAPHTHYLENE BOT.MAT (UG/KG)	ACENAPHTHENE TOTAL (UG/L)	ACENAPHTHENE BOT.MAT (UG/KG)	ACROLEIN BOT.MAT (UG/KG)	ACRYLONITRILE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)
JUN 1988 20...	<660	<5.0	<660	<1300	<1300	<5.0	<660	<10	<1300	<130	<10	<1300

DATE	BENZOAPYRENE TOTAL (UG/L)	BENZOAPYRENE BOT.MAT (UG/KG)	BIS 2-CHLOROETHYL ETHER TOTAL (UG/L)	BIS (2-CHLOROETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLOROETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLOROETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLOROISOPROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLOROISOPROPYL) ETHER BOT.MAT (UG/KG)	BROMOFORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHALATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHALATE BOT.MAT (UG/KG)	CARBON TETRACHLORIDE BOT.MAT (UG/KG)
JUN 1988 20...	<10	<1300	<5.0	<660	<5.0	<660	<5.0	<660	<130	<5.0	<660	<130

DATE	CHLOROBENZENE TOTAL (UG/L)	CHLOROBENZENE BOT.MAT (UG/KG)	DIBROMOCHLOROMETHANE BOT.MAT (UG/KG)	CHLOROETHANE TOTAL (UG/L)	CHLOROETHANE BOT.MAT (UG/KG)	CHLOROFORM BOT.MAT (UG/KG)	CHRYSENE TOTAL (UG/L)	CHRYSENE BOT.MAT (UG/KG)	BROMODICHLOROMETHANE BOT.MAT (UG/KG)	DIETHYL PHTHALATE TOTAL (UG/L)	DIETHYL PHTHALATE BOT.MAT (UG/KG)	DIMETHYL PHTHALATE TOTAL (UG/L)
JUN 1988 20...	<0.2	<130	<130	<0.2	<130	<130	<10	<1300	<130	<5.0	<660	<5.0

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	DI-METHYL PHTHALATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988												
20...	<660	<0.2	<130	<5.0	<660	<5.0	<660	<5.0	<660	<5.0	<660	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988												
20...	<1300	<5.0	<0.2	<660	<130	<0.2	<130	<0.2	200	<5.0	<660	<5.0

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988											
20...	<660	<660	<660	<5.0	<660	<30	<3900	<5.0	<660	<5.0	<660

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988											

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988											
20...	<0.2	<130	0.3	<130	0.3	<130	<10	<1300	<5.0	<660	<130

DATE	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	3800	<0.2	<130	<0.2	<130	<5.0	1400	<10	<1300	<0.2

DATE	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL TOTAL (UG/L)	2-CHLOROPHENOL BOT.MAT (UG/KG)	2-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<660	<0.2	<660	<10	<130	<5.0	<660	<5.0	<660	<5.0

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<660	<10	<1300	<5.0	<660	<5.0	<660	<5.0	<660	<20	<2600

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988 20...	<20	<2600	<5.0	<660	<25	<3300	<5.0	<660	<5.0	<660	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988 20...	<3900	<30	<3900	<0.2	<0.1	<5.0	<660	5.0	<0.2	<0.2	<30

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS (2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS (2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988											
20...	<3900	<0.2	<52	<660	<5.0	<660	<50	<6600	<0.2	0.5	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988											
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	27000	<5.0	9800	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988												
20...	190	<100	<100	<100	930	<10	<100	<100	<100	<10	<1000	<1000

DATE	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988												
20...	<100	<100	<100	<10	<100	<10	<10	<100	<10	<100	<5000	13

301150093171600 - CALCASIEU RIVER AT BAYOU D'INDE 2.8 MILES SOUTHEAST OF HOLLYWOOD, LOUISIANA

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
JUN 1988												
20...	1350	28700	7.70	28.5	3.8	240	760	69000	250	1700	12000	0.8

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHOROUS DIS-SOLVED (MG/L AS P)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
JUN 1988 20...	4.1	23300	0.01	0.03	0.31	0.57	0.11	<1	<1	<1	10	<1

DATE	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
JUN 1988 20...	50	540	120	13000	<5	<5	50	260	200	210	0.1	0.1

DATE	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)
JUN 1988 20...	1.5	1.7	100	0.4	<0.2	0.8	22	1.9	0.9	<0.2	<0.2	<5.0

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988 20...	<1000	<5.0	<1000	<2000	<2000	<5.0	<1000	<10	<2000	<200	<10	<2000

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988 20...	<10	<2000	<5.0	<1000	<5.0	<1000	<5.0	<1000	<200	<5.0	<1000	<200

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988												
20...	<0.2	<200	<200	<0.2	<200	<200	<10	<2000	<200	<5.0	<1000	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988												
20...	<1000	<0.2	<200	<5.0	<1000	<5.0	<1000	<5.0	<1000	<5.0	<1000	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)
JUN 1988											
20...	<2000	<5.0	<0.2	<1000	<200	<0.2	<200	<0.2	520	<5.0	<1000

DATE	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)
JUN 1988											
20...	<5.0	<1000	<1000	<1000	<5.0	<1000	<30	<6000	<5.0	<1000	<5.0

DATE	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)
JUN 1988											
20...	<1000	1.4	<200	<40	<200	<0.2	<200	<200	<0.2	<200	<0.2

DATE	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)
JUN 1988 20...	<200	<0.2	<200	<0.2	<200	0.2	<200	<10	<2000	<5.0	<1000

DATE	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)
JUN 1988 20...	<200	<0.2	<1000	<0.2	<200	<0.2	<200	<5.0	<1000	<10	<2000

DATE	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<0.2	<1000	<0.2	<1000	<10	<200	<5.0	<1000	<5.0	<1000

DATE	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)
JUN 1988 20...	<5.0	<1000	76	<2000	<5.0	<1000	<5.0	<1000	<5.0	<1000	<20

DATE	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)
JUN 1988 20...	<4000	<20	<4000	<5.0	<1000	<25	<5000	<5.0	<1000	<5.0	<1000

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988											
20...	<30	<6000	<30	<6000	<0.2	<0.1	<5.0	<1000	14	<0.2	<0.2

DATE	PENTA-CHLORO-PHENOL TOTAL (UG/L)	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)
JUN 1988											
20...	<30	<6000	<0.2	25	<1000	<5.0	<1000	<50	<10000	<0.2	0.4

DATE	AROCLOR 1221 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988											
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	6000	<5.0	<1000	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988												
20...	<10	<10	<10	<10	160	<10	<10	<10	<10	<10	<100	<100

DATE	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE IN BOT-TOM MA-TERIAL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUN 1988												
20...	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<500	<10

301143093171000 - PRIEN LAKE CUT AT BAYOU D'INDE

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988 20...	0745	20500	7.80	27.5	5.8	140	420	3800	140	920	6900	0.8

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988 20...	8.5	13300	<0.01	0.02	0.02	0.3	0.07	1	1	<1	40	1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988 20...	8	430	60	4300	10	<5	50	170	60	72	<0.1	0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLORIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTHYLENE TOTAL (UG/L)
JUN 1988 20...	0.23	2.2	31	0.6	<0.2	1.2	41	3.3	1.2	<0.2	<0.2	<5.0

DATE	ACE-NAPHTHYLENE BOT.MAT (UG/KG)	ACE-NAPHTHENE TOTAL (UG/L)	ACE-NAPHTHENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRACENE TOTAL (UG/L)	ANTHRACENE BOT.MAT (UG/KG)	BENZO B FLUORANTHENE TOTAL (UG/L)	BENZO B FLUORANTHENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUORANTHENE TOTAL (UG/L)	BENZO K FLUORANTHENE BOT.MAT (UG/KG)
JUN 1988 20...	<420	<5.0	<420	<850	<850	<5.0	<420	<10	<850	<85	<10	<850

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<850	<5.0	<420	<5.0	<420	<5.0	<420	<85	<5.0	<420	<85

DATE	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
JUN 1988												
20...	<0.2	<85	<85	<0.2	<85	<85	<10	<850	<85	<5.0	<420	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)
JUN 1988												
20...	<420	<0.2	<85	<5.0	<420	<5.0	<420	<5.0	<420	<5.0	<420	<10

DATE	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988												
20...	<850	<5.0	<0.2	<420	<85	<0.2	<85	<0.2	190	<5.0	<420	<5.0

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988											
20...	<420	<420	<420	<5.0	<420	<30	<2500	<5.0	<420	<5.0	<420

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	2.2	<85	<17	<85	<0.2	<85	<85	<0.2	<85	<0.2	<85

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<85	0.3	<85	0.5	<85	<10	<850	<5.0	<420	<85

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<420	<0.2	<85	<0.2	<85	<5.0	<420	<10	<850	<0.2

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<420	<0.2	<420	<10	<85	<5.0	<420	<5.0	<420	<5.0

DATE	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)
JUN 1988 20...	<420	<10	<850	<5.0	<420	<5.0	<420	<5.0	<420	<20	<1700

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988											
20...	<20	<1700	<5.0	<420	<25	<2100	<5.0	<420	<5.0	<420	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988											
20...	<2500	<30	<2500	<0.2	<0.1	<5.0	<420	14	<0.2	<0.2	<30

DATE	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYLHEXYL)PHTHALATE TOTAL (UG/L)	BIS(2-ETHYLHEXYL)PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYLPHTHALATE TOTAL (UG/L)	DI-N-BUTYLPHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988											
20...	<2500	<0.2	<5.0	1100	<5.0	<420	<50	<4200	<0.2	0.5	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988											
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<420	<5.0	<420	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988										
20...	<10	<10	<10	<10	<10	<10	<100	<10	<10	<10

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<10	<10	<10	<10	<10	<10	<10	<500	<10

301127093172400 - PRIEN LAKE AT NORTHWEST SHORE

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988 20...	0810	20600	8.10	27.5	6.5	180	460	4000	140	1000	7200	0.5

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988 20...	7.0	14000	<0.01	<0.02	0.03	0.28	0.07	<1	2	<1	40	<1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988 20...	9	340	60	5800	<5	<5	10	130	20	480	0.1	0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988 20...	<0.1	2.4	39	<0.2	<0.2	<0.2	2.0	<0.2	<0.2	<0.2	<0.2	<5.0

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988 20...	<1100	<5.0	<1100	<2200	<2200	<5.0	<1100	<10	<2200	<220	<10	<2200

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)
JUN 1988 20...	<10	<5.0	<1100	<5.0	<1100	<5.0	<1100	<220	<5.0	<1100	<2200	<0.2

DATE	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)
JUN 1988 20...	<220	<220	<0.2	<220	<220	<10	<2200	<220	<5.0	<1100	<5.0	<1100

DATE	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<220	<5.0	<1100	<5.0	<1100	<5.0	<1100	<5.0	<1100	<10	<2200

DATE	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)
JUN 1988 20...	<5.0	<0.2	<220	<0.2	<220	<0.2	650	<5.0	<1100	<5.0	<1100	<1100

DATE	NAPHTHALENE BOT.MAT (UG/KG)	NITROBENZENE TOTAL (UG/L)	NITROBENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-. META CRESOL BOT.MAT (UG/KG)	PHENANTHRENE TOTAL (UG/L)	PHENANTHRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRACHLOROETHYLENE TOTAL (UG/L)	TETRACHLOROETHYLENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)
JUN 1988 20...	1200	<5.0	<1100	<30	<6500	<5.0	<1100	<5.0	<1100	<0.2	<220	43

DATE	TRICHLOROETHYLENE BOT.MAT (UG/KG)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE BOT.MAT (UG/KG)	VINYL CHLORIDE BOT.MAT (UG/KG)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE BOT.MAT (UG/KG)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1-DICHLOROETHYLENE BOT.MAT (UG/KG)	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE BOT.MAT (UG/KG)
JUN 1988 20...	<220	<0.2	<220	<220	<0.2	<220	<0.2	<220	<0.2	300	<0.2	<220

DATE	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,1,2,2-TETRACHLOROETHANE BOT.MAT (UG/KG)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE BOT.MAT (UG/KG)	1,2-DICHLOROETHANE BOT.MAT (UG/KG)	1,2-DICHLOROBENZENE TOTAL (UG/L)	1,2-DICHLOROBENZENE BOT.MAT (UG/KG)	1,2-DICHLOROPROPANE TOTAL (UG/L)	1,2-DICHLOROPROPANE BOT.MAT (UG/KG)	1,2-TRANSDICHLOROETHENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<220	<10	<2200	<5.0	<1100	<220	<0.2	<1100	<0.2	<220	<0.2

DATE	1,2-TRANS-DICHLOROETHENE BOT.MAT (UG/KG)	1,2,4-TRICHLOROBENZENE TOTAL (UG/L)	1,2,4-TRICHLOROBENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRACENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRACENE BOT.MAT (UG/KG)	1,3-DICHLOROPROPENE TOTAL (UG/L)	1,3-DICHLOROBENZENE TOTAL (UG/L)	1,3-DICHLOROBENZENE BOT.MAT (UG/KG)	1,4-DICHLOROBENZENE TOTAL (UG/L)	1,4-DICHLOROBENZENE BOT.MAT (UG/KG)	2-CHLOROETHYLVINYLETHER TOTAL (UG/L)	2-CHLOROETHYL VINYL ETHER BOT.MAT (UG/KG)
JUN 1988 20...	<220	<5.0	<1100	<10	<2200	<0.2	<0.2	<1100	<0.2	<1100	<10	<220

DATE	2-CHLORONAPHTHALENE TOTAL (UG/L)	2-CHLORONAPHTHALENE BOT.MAT (UG/KG)	2-CHLOROPHENOL TOTAL (UG/L)	2-CHLOROPHENOL BOT.MAT (UG/KG)	2-NITROPHENOL TOTAL (UG/L)	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)
JUN 1988 20...	<5.0	<1100	<5.0	<1100	<5.0	<1100	<10	<2200	<5.0	<1100	<5.0	<1100

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)
JUN 1988												
20...	<5.0	<1100	<20	<4300	<20	<4300	<5.0	<1100	<25	<5400	<5.0	<1100

DATE	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)
JUN 1988												
20...	<5.0	<1100	<30	<6500	<30	<6500	<0.2	<0.1	<5.0	<1100	5.0	<0.2

DATE	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)
JUN 1988												
20...	<0.2	<30	<6500	<0.2	<5.0	<1100	<5.0	<1100	<50	<1100	<0.2	<0.2

DATE	AROCLOR 1221 PCB TOTAL (UG/L)	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988												
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<1100	<5.0	<1100	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988										
20...	<10	<10	<10	<10	<10	<10	<100	<10	<10	<10

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988 20...	<10	<10	<10	<10	<10	<10	<10	<500	<10

301031093171000 - PRIEN LAKE OUTLET (SOUTH END)

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988 20...	0830	20600	8.10	27.0	6.0	180	460	4000	140	1000	7300	0.5

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988 20...	6.6	13600	<0.01	<0.02	0.03	0.27	0.06	<1	<1	<1	40	<1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)
JUN 1988 20...	30	380	50	14000	<5	<5	50	130	40	170	<0.1	0.1

DATE	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DICHLOROBROMOMETHANE TOTAL (UG/L)	CARBONTETRACHLORIDE TOTAL (UG/L)	1,2-DICHLOROETHANE TOTAL (UG/L)	BROMOFORM TOTAL (UG/L)	CHLORODIBROMOMETHANE TOTAL (UG/L)	CHLOROFORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACENAPHTHYLENE TOTAL (UG/L)
JUN 1988 20...	0.28	2.5	62	<0.2	<0.2	0.3	1.6	<0.2	0.2	<0.2	<0.2	<5.0

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)
JUN 1988 20...	<580	<5.0	<580	<940	<940	<5.0	<580	<10	<1200	<94	<10	<1200

DATE	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)
JUN 1988 20...	<10	<1200	<5.0	<580	<5.0	<580	<5.0	<94	<5.0	<580	<94	<0.2

DATE	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)
JUN 1988 20...	<94	<94	<0.2	<94	<94	<10	<1200	<94	<5.0	<500	<5.0	<580

DATE	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<94	<5.0	<580	<5.0	<580	<5.0	<580	<5.0	<580	<10	<1200

DATE	ISO-PHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)
JUN 1988 20...	<5.0	<0.2	<580	<94	<0.2	<94	<0.5	260	12	<580	<5.0

DATE	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	N-NITRO-SODI-METHY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988 20...	<580	<580	630	<5.0	<580	<30	<3500	<5.0	<580	<5.0	<580

DATE	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)
JUN 1988 20...	0.3	<94	<19	<94	<0.2	<94	<94	<0.2	<94	<0.2	<94

DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
JUN 1988 20...	<0.2	<94	<0.2	<94	<0.2	<94	<10	<1200	<5.0	<580	<94

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988 20...	<0.2	<580	<0.2	<94	<0.2	<94	<5.0	<580	<10	<1200	<0.2

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)
JUN 1988 20...	<0.2	<580	<0.2	<580	<10	<94	<5.0	<580	<5.0	<580	<5.0

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	2-NITROPHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHALATE TOTAL (UG/L)	DI-N-OCTYL PHTHALATE BOT.MAT (UG/KG)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL BOT.MAT (UG/KG)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DINITROTOLUENE TOTAL (UG/L)	2,4-DINITROTOLUENE BOT.MAT (UG/KG)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4-DINITROPHENOL BOT.MAT (UG/KG)
JUN 1988											
20...	<580	<10	<1200	<5.0	<580	<5.0	<580	<5.0	<580	<20	<2300

DATE	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL BOT.MAT (UG/KG)	2,6-DINITROTOLUENE TOTAL (UG/L)	2,6-DINITROTOLUENE BOT.MAT (UG/KG)	3,3'-DICHLOROBENZIDINE TOTAL (UG/L)	3,3'-DICHLOROBENZIDINE BOT.MAT (UG/KG)	4-BROMOPHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMOPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLOROPHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLOROPHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITROPHENOL TOTAL (UG/L)
JUN 1988											
20...	<20	<2300	<5.0	<580	<25	<2900	<5.0	<580	<5.0	<580	<30

DATE	4-NITROPHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DICHLORODIFLUOROMETHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	PHENOL (C6H5OH) BOT.MAT (UG/KG)	NAPHTHALENE TOTAL (UG/L)	TRANS-1,3-DICHLOROPROPENE TOTAL (UG/L)	CIS 1,3-DICHLOROPROPENE TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)
JUN 1988											
20...	<3500	<5.0	<3500	<0.2	<0.1	<5.0	<580	13	<0.2	<0.2	<30

DATE	PENTACHLOROPHENOL BOT.MAT (UG/KG)	1,2-DIBROMOETHYLENE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE TOTAL (UG/L)	BIS(2-ETHYLHEXYL) PHTHALATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHALATE TOTAL (UG/L)	DI-N-BUTYL PHTHALATE BOT.MAT (UG/KG)	BENZIDINE TOTAL (UG/L)	BENZIDINE BOT.MAT (UG/KG)	VINYL CHLORIDE TOTAL (UG/L)	TRICHLOROETHYLENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988											
20...	<3500	<0.2	<5.0	<580	<5.0	<580	<50	<5800	<0.2	<0.2	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXACHLOROBENZENE TOTAL (UG/L)	HEXACHLOROBENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXACHLOROBUTADIENE TOTAL (UG/L)	HEXACHLOROBUTADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988											
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<580	<5.0	<580	<0.2	<0.2

DATE	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988										
20...	<10	<10	<10	<10	<10	<10	<100	<10	<10	<10

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN 1988									
20...	<10	<10	<10	<10	<10	<10	<10	<500	<10

301404093144800 - CALCASIEU RIVER AT BUOY 130 AT LAKE CHARLES, LOUISIANA
DUPLICATE SAMPLES

DATE	TIME	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JUN 1988												
20...	0700	12200	7.40	27.0	5.4	80	260	2300	86	1400	4000	0.4
20...	0701	---	---	---	---	80	260	2300	86	1400	4000	0.3

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHOROUS DISSOLVED (MG/L AS P)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
JUN 1988												
20...	8.1	7780	0.01	0.03	0.08	0.38	0.04	<1	<1	<1	10	3
20...	8.1	8000	0.01	0.03	0.11	0.36	0.05	1	<1	<1	20	5

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
JUN 1988												
20...	10	---	440	30	10000	<5	<5	30	200	200	64	<0.1
20...	10	10	390	30	11000	<5	<5	30	200	190	74	<0.1

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC TOT. IN BOTTOM MAT. (GM/KG AS C)	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)
JUN 1988												
20...	0.1	0.14	3.2	45	<0.2	<0.2	<0.2	0.6	<0.2	<0.2	<0.2	<0.2
20...	0.1	0.11	3.5	41	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

DATE	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)
JUN 1988												
20...	<5.0	<780	<5.0	<780	<1600	<1600	<5.0	<780	<10	<1600	<10	<10
20...	<5.0	<760	<5.0	<760	<1500	<1500	<5.0	<760	<10	<1500	<150	<10

DATE	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)
JUN 1988												
20...	<1600	<10	<1600	<5.0	<780	<5.0	<780	<5.0	<780	<160	<5.0	<780
20...	<1500	<10	---	<5.0	<760	<5.0	<760	<5.0	<760	<150	<5.0	<760

DATE	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)
JUN 1988												
20...	---	<0.2	<160	<160	<0.2	<160	<160	<10	<1600	---	<5.0	<780
20...	<150	<0.2	<150	<150	<0.2	<150	<150	<10	<1500	<150	<5.0	<760

DATE	DI-METHYL PHTHALATE TOTAL (UG/L)	DI-METHYL PHTHALATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUORANTHENE TOTAL (UG/L)	FLUORANTHENE BOT.MAT (UG/KG)	FLUORENE TOTAL (UG/L)	FLUORENE BOT.MAT (UG/KG)	HEXACHLOROCYCLOPENTADIENE TOTAL (UG/L)	HEXACHLOROCYCLOPENTADIENE BOT.MAT (UG/KG)	HEXACHLOROETHANE TOTAL (UG/L)	HEXACHLOROETHANE BOT.MAT (UG/KG)
JUN 1988												
20...	<5.0	<780	<0.2	<160	<5.0	<780	<5.0	<780	<5.0	<780	<5.0	<780
20...	<5.0	<760	<0.2	<150	<5.0	<760	<5.0	<760	<5.0	<760	<5.0	<760

DATE	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISOPHORONE TOTAL (UG/L)	METHYL-BROMIDE TOTAL (UG/L)	ISOPHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLORIDE TOTAL (UG/L)	METHYL CHLORIDE BOT.MAT (UG/KG)	METHYLENE CHLORIDE TOTAL (UG/L)	METHYLENE CHLORIDE BOT.MAT (UG/KG)	N-NITROSODI-N-PROPYLAMINE TOTAL (UG/L)	N-NITROSODI-N-PROPYLAMINE BOT.MAT (UG/KG)
JUN 1988												
20...	<10	<1600	<5.0	<0.2	<780	<160	<0.2	<160	<2.1	340	<5.0	<780
20...	<10	<1500	<5.0	<0.2	<760	<150	<0.2	<150	<0.4	350	<5.0	<760

DATE	N-NITROSODIPHENYLAMINE TOTAL (UG/L)	N-NITROSODIPHENYLAMINE BOT.MAT (UG/KG)	N-NITROSODIMETHYLAMINE BOT.MAT (UG/KG)	NAPHTHALENE BOT.MAT (UG/KG)	NITROBENZENE TOTAL (UG/L)	NITROBENZENE BOT.MAT (UG/KG)	PARACHLOROMETA CRESOL TOTAL (UG/L)	PARACHLOROMETA CRESOL BOT.MAT (UG/KG)	PHENANTHRENE TOTAL (UG/L)	PHENANTHRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)
JUN 1988												
20...	<5.0	<780	<780	820	<5.0	<780	<30	<4700	<5.0	<780	<5.0	<780
20...	<5.0	<760	<760	<760	<5.0	<760	<30	<4500	<5.0	<760	<5.0	<760

DATE	TETRACHLOROETHYLENE TOTAL (UG/L)	TETRACHLOROETHYLENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRICHLOROETHYLENE BOT.MAT (UG/KG)	TRICHLOROFLUOROMETHANE TOTAL (UG/L)	TRICHLOROFLUOROMETHANE BOT.MAT (UG/KG)	VINYL CHLORIDE BOT.MAT (UG/KG)	1,1-DICHLOROETHANE TOTAL (UG/L)	1,1-DICHLOROETHANE BOT.MAT (UG/KG)	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1,1-DICHLOROETHYLENE BOT.MAT (UG/KG)
JUN 1988											
20...	<0.2	<160	<31	<160	<0.2	---	<160	<0.2	<160	<0.2	<160
20...	<0.2	<150	<30	<150	<0.2	<150	<150	<0.2	<150	<0.2	<150

DATE	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1,1,1-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1,1,2-TRICHLOROETHANE BOT.MAT (UG/KG)	1,1,2,2 TETRACHLOROETHANE TOTAL (UG/L)	1,1,2,2 -TETRACHLOROETHANE BOT.MAT (UG/KG)	BENZOGHI PERYLENE1,12-BENZOPERYLENE TOTAL (UG/L)	BENZOGHI PERYLENE1,12-BENZOPERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRACENE1,2-BENZANTHRACENE TOTAL (UG/L)	BENZO A ANTHRACENE1,2-BENZANTHRACENE BOT.MAT (UG/KG)	1,2-DICHLOROETHANE BOT.MAT (UG/KG)
JUN 1988											
20...	<0.2	---	<0.2	<160	<0.2	13000	<10	<1600	<5.0	<780	<160
20...	<0.2	<150	<0.2	<150	<0.2	<150	<10	<1500	<5.0	<760	<150

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

DATE	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRANS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRA-CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)
JUN 1988											
20...	<0.2	<780	<0.2	---	<0.2	<160	<5.0	<780	<10	<1600	<0.2
20...	<0.2	<760	<0.2	<150	<0.2	<150	<5.0	<760	<10	<1500	<0.2

DATE	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)
JUN 1988											
20...	<0.2	<780	<0.2	<780	<10	<160	<5.0	<780	<5.0	<780	<5.0
20...	<0.2	<760	<0.2	<760	<0.2	<150	<5.0	<760	<5.0	<760	<5.0

DATE	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)
JUN 1988											
20...	<780	<10	<1600	<5.0	<780	<5.0	<780	<5.0	<780	<20	<3100
20...	<760	<10	<1500	<5.0	<760	<5.0	<760	<5.0	<780	<20	<3100

DATE	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL TOTAL (UG/L)
JUN 1988											
20...	<20	<3100	<5.0	<780	<25	<3900	<5.0	<780	<5.0	<780	<30
20...	<20	<3000	<5.0	<760	<25	<3800	<5.0	<760	<5.0	<760	<30

DATE	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)	AROCLOR 1016 PCB TOTAL (UG/L)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
JUN 1988											
20...	<4700	<30	<4700	<0.2	<0.1	<5.0	<780	<5.0	<0.2	<0.2	<30
20...	<4500	<30	<4500	<0.2	<0.1	<5.0	<760	<5.0	<0.2	<0.2	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	AROCLOR 1221 PCB TOTAL (UG/L)
JUN 1988											
20...	<4700	<0.2	<5.0	<780	<5.0	<780	<50	<7800	<0.2	<0.2	<0.1
20...	<4500	<0.2	<5.0	<760	<5.0	<760	<50	<7600	<0.2	<0.2	<0.1

DATE	AROCLOR 1232 PCB TOTAL (UG/L)	AROCLOR 1242 PCB TOTAL (UG/L)	AROCLOR 1248 PCB TOTAL (UG/L)	AROCLOR 1254 PCB TOTAL (UG/L)	AROCLOR 1260 PCB TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
JUN 1988											
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<780	<5.0	<780	<0.2	<0.2
20...	<0.1	<0.1	<0.1	<0.1	<0.1	<5.0	<760	<5.0	<760	0.3	1.5

TABLE 18.--CONCENTRATIONS OF INORGANIC CONSTITUENTS, TRACE METALS, VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS, INSECTICIDES, AND PHYSICAL DATA IN WATER AND BOTTOM MATERIAL FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE AREA, LOUISIANA, JUNE 1988--CONTINUED

IN SITU WATER-QUALITY MEASUREMENTS, JUNE 20, 1988

SITE NUMBER, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL-INITY (PPT)
3	3.0	35.3	6.9	4.4	25,900	15.7
1415						
4	3.3	28.5	7.1	0.8	17,800	10.3
0950	4.6	28.9	7.1	1.0	18,600	10.8
	9.2	29.1	7.1	1.4	20,000	11.9
5	3.3	28.9	7.2	2.3	17,400	10.1
1030	6.3	29.2	7.1	2.0	19,200	11.2
	11.2	30.2	7.2	1.9	22,400	13.2
6	3.3	28.9	7.2	1.1	15,100	8.6
1100	6.3	30.0	7.2	1.0	21,100	12.4
	11.2	30.4	7.1	3.0	22,500	13.4
7	3.3	29.5	7.2	0.5	18,600	10.8
1115	6.3	30.1	7.2	0.3	21,100	12.4
	12.9	30.5	7.2	0.6	22,700	13.5
8	3.3	29.4	7.2	0.8	18,200	10.6
1145	6.9	30.5	7.2	0.9	21,900	13.0
	13.2	30.6	7.2	1.1	23,200	13.8
9	5.0	29.7	7.3	4.2	21,900	13.0
1220						
10	5.6	29.2	7.6	5.0	22,900	13.6
1250						
11	5.3	29.3	7.6	4.8	22,100	13.1
1305						
12	4.3	28.9	7.6	4.5	24,000	14.8
1330						

13	3.3	28.7	7.7	3.8	28,700	17.7
1350	9.9	28.1	7.7	3.0	31,000	19.4
	19.8	28.0	7.7	3.0	31,000	19.4
	29.7	27.1	7.6	0.9	36,000	23.0
	39.6	26.5	7.6	0.5	36,500	23.6
14	1.3	27.5	7.8	5.8	20,500	12.0
0745						
15	2.0	27.5	8.1	6.5	20,600	12.2
0810						
16	1.6	26.8	8.1	6.0	20,600	12.2
0830						
17	1.6	27.0	7.4	5.4	12,250	6.7
0700						

FRACTIONATION OF DISSOLVED ORGANIC CARBON INTO HYDROPHILIC AND HYDROPHOBIC COMPONENTS FROM THE LOWER CALCASIEU RIVER, LOUISIANA

[ORGANIC CARBON, IN MILLIGRAMS PER LITER]

SITE NAME	DISSOLVED ORGANIC CARBON	HYDROPHOBIC FRACTION	HYDROPHILIC FRACTION
	MAY 21, 1988		
LAKE CHARLES AT BUOY 130	6.3	2.6	3.7
BAYOU D'INDE AT LITTLE BAYOU D'INDE	9.1	4.6	4.5
BAYOU D'INDE 0.25 MILE ABOVE INDUSTRIAL OUTFALL	5.9	2.1	3.8
BAYOU D'INDE AT INDUSTRIAL OUTFALL	8.1	3.1	5.0
BAYOU D'INDE AT MOUTH	6.2	3.1	3.1

TABLE 19.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER, BOTTOM MATERIAL, AND TISSUE FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 17 AND JUNE 21, 1988

301404093144800 - CALCASIEU RIVER AT BUOY 130 AT LAKE CHARLES, LOUISIANA

DATE	TIME	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)
MAY 1988 17...	1440	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5.0	<350	<5.0

DATE	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)
MAY 1988 17...	<350	<140	<140	<5.0	<350	<10	<700	<14	<10	<700	<10	<700

DATE	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)
MAY 1988 17...	<5.0	<350	<5.0	<350	<5.0	<350	<14	<5.0	<350	<14	<0.2	<14

DATE	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)
MAY 1988 17...	<14	<0.2	<14	<14	<10	<700	<14	<5.0	<350	<5.0	<350	<0.2

DATE	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)
MAY 1988 17...	<14	<5.0	<350	<5.0	<350	<5.0	<350	<5.0	<350	<10	<700	<5.0

DATE	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<350	300	<0.2	<14	<0.2	740	<5.0	<350	<5.0	<350	<350

DATE	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)
MAY 1988 17...	<5.0	<350	<30	<2100	<5.0	<350	<5.0	<350	<0.2	<14	<14	<14

DATE	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<14	<14	<0.2	<14	<0.2	<14	<0.2	<14	<0.2	<14

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<14	<10	<700	<5.0	<350	<14	<5.0	<350	<0.2	<14

DATE	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<14	<5.0	<350	<10	<700	<0.2	<5.0	<350	<5.0	<350

TABLE 19.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER, BOTTOM MATERIAL, AND TISSUE FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 17 AND JUNE 21, 1988--CONTINUED

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)
MAY 1988 17...	<0.2	<14	<5.0	<350	<5.0	<350	<5.0	<350	<10	<700	<5.0

DATE	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)
MAY 1988 17...	<350	<5.0	<350	<5.0	<350	<20	<1400	<20	<1400	<5.0	<350

DATE	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)
MAY 1988 17...	<25	<1800	<5.0	<350	<5.0	<350	<30	<2100	<30	<2100	<0.2

DATE	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)
MAY 1988 17...	<5.0	<350	<5.0	<0.2	<0.2	<30	<2100	<0.2	<5.0	1300	<5.0

DATE	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
MAY 1988 17...	<350	<50	<3500	<0.2	<0.2	<5.0	<350	<5.0	<350	<0.2	<0.2

301230093181300 - BAYOU D'INDE 0.25 MILE ABOVE INDUSTRIAL OUTFALL CANAL

DATE	TIME	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)
MAY 1988 17...	1615	1.2	<0.2	6.4	35	5.4	6.3	0.6	0.5	<5.0	<500	<5.0

DATE	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)
MAY 1988 17...	<500	<200	<200	<5.0	<500	<10	<1000	<20	<10	<1000	<10	<1000

DATE	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)
MAY 1988 17...	<5.0	<500	<5.0	<500	<5.0	<500	<20	<5.0	<500	<20	<0.2	<20

DATE	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)
MAY 1988 17...	<20	<0.2	<20	<20	<10	<1000	<20	<5.0	<500	<5.0	<500	<0.2

DATE	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)
MAY 1988 17...	<20	<5.0	<500	<5.0	<500	<5.0	<500	<5.0	<500	<10	<1000	<5.0

TABLE 19.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER, BOTTOM MATERIAL, AND TISSUE FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 17 AND JUNE 21, 1988--CONTINUED

DATE	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)
MAY 1988												
17...	<0.2	<500	<20	<0.2	<20	<0.2	770	<5.0	<500	<5.0	<500	<500

DATE	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)
MAY 1988												
17...	<5.0	<500	<30	<3000	<5.0	<500	<5.0	<500	19	<20	<20	<20

DATE	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)
MAY 1988											
17...	<0.2	<20	<20	<0.2	<20	<0.2	<20	1.5	<20	2.1	<20

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)
MAY 1988											
17...	<0.2	<20	<10	<1000	<5.0	<500	<20	<5.0	<500	<0.2	<20

DATE	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRA NS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
MAY 1988											
17...	0.9	<20	<5.0	<500	<10	<1000	<0.2	<5.0	<500	<5.0	<500

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)
MAY 1988 17...	<0.2	<20	<5.0	<500	<5.0	<500	<5.0	<500	<10	<1000	<5.0

DATE	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)
MAY 1988 17...	<500	<5.0	<500	<5.0	<500	<20	<2000	<20	<2000	<5.0	<500

DATE	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)
MAY 1988 17...	<25	<2500	<5.0	<500	<5.0	<500	<30	<3000	<30	<3000	<0.2

DATE	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)
MAY 1988 17...	<5.0	<500	<5.0	<0.2	<0.2	<30	<3000	<0.2	<5.0	<500	<5.0

DATE	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
MAY 1988 17...	<500	<50	<5000	<0.2	4.0	<5.0	<500	11	<500	<0.2	<0.2

TABLE 19.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER, BOTTOM MATERIAL, AND TISSUE FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 17 AND JUNE 21, 1988--CONTINUED

301224093174900 - BAYOU D'INDE 0.25 MILE BELOW INDUSTRIAL OUTFALL CANAL

DATE	TIME	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)
MAY 1988 17...	1700	<5.0	<640	<5.0	<640	<260	<260	<5.0	<640	<10	<1300	<26

DATE	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)
MAY 1988 17...	<10	<1300	<10	<1300	<5.0	<640	<5.0	<640	<5.0	<640	<26	<5.0

DATE	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)	CHLORO-BENZENE BOT.MAT (UG/KG)	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)
MAY 1988 17...	<640	<26	<26	<26	<26	<26	<10	<1300	<26	<5.0	<640	<5.0

DATE	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)
MAY 1988 17...	<640	<26	<5.0	<640	<5.0	<640	<5.0	<640	<5.0	<640	<10	<1300

DATE	ISO-PHORONE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)
MAY 1988 17...	<5.0	<640	<26	<26	420	<5.0	<640	<5.0	<640	<640	<5.0	<640

DATE	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)
MAY 1988 17...	<30	<3800	<5.0	<640	<5.0	<640	<26	<26	<26	<26	<26	<26

DATE	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2,2-TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2-BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)
MAY 1988 17...	<26	<26	<26	<26	<10	<1300	<5.0	<640	<26	<5.0	<640	<26

DATE	1,2-TRANS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6-DIBENZ-ANTHRA-CENE TOTAL (UG/L)	1,2,5,6-DIBENZ-ANTHRA-CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)
MAY 1988 17...	<26	<5.0	1200	<10	<1300	<5.0	<640	<5.0	<640	<26	<5.0	<640

DATE	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)
MAY 1988 17...	<5.0	<640	<5.0	<640	<10	<1300	<5.0	<640	<5.0	<640	<5.0	<640

DATE	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)
MAY 1988 17...	<20	<2600	<20	<2600	<5.0	<640	<25	<3200	<5.0	<640	<5.0

TABLE 19.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER, BOTTOM MATERIAL, AND TISSUE FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 17 AND JUNE 21, 1988--CONTINUED

DATE	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO-ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHO-CRESOL BOT.MAT (UG/KG)	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)
MAY 1988											
17...	<640	<30	<3800	<30	<3800	<5.0	<26	<5.0	<0.03	<0.03	<30

DATE	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)
MAY 1988											
17...	<3800	<5.0	2400	<5.0	<640	<50	<6400	<5.0	12000	13	8600

301153093171900 - BAYOU D'INDE AT MOUTH NEAR SULPHUR, LOUISIANA

DATE	TIME	DI-CHLORO-BROMO-METHANE TOTAL (UG/L)	CARBON-TETRA-CHLO-RIDE TOTAL (UG/L)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L)	BROMO-FORM TOTAL (UG/L)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L)	CHLORO-FORM TOTAL (UG/L)	TOLUENE TOTAL (UG/L)	BENZENE TOTAL (UG/L)	ACE-NAPHTH-YLENE TOTAL (UG/L)	ACE-NAPHTH-YLENE BOT.MAT (UG/KG)	ACE-NAPHTH-ENE TOTAL (UG/L)
MAY 1988												
17...	1530	<0.2	<0.2	1.2	4.3	<0.2	1.2	<0.2	<0.2	<5.0	<460	<5.0

DATE	ACE-NAPHTH-ENE BOT.MAT (UG/KG)	ACRO-LEIN BOT.MAT (UG/KG)	ACRYLO-NITRILE BOT.MAT (UG/KG)	ANTHRA-CENE TOTAL (UG/L)	ANTHRA-CENE BOT.MAT (UG/KG)	BENZO B FLUOR-AN-THENE TOTAL (UG/L)	BENZO B FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZENE BOT.MAT (UG/KG)	BENZO K FLUOR-AN-THENE TOTAL (UG/L)	BENZO K FLUOR-AN-THENE BOT.MAT (UG/KG)	BENZO-A-PYRENE TOTAL (UG/L)	BENZO-A-PYRENE BOT.MAT (UG/KG)
MAY 1988												
17...	<460	<180	<460	<5.0	<460	<10	<930	<19	<10	<390	<10	<930

DATE	BIS 2-CHLORO-ETHYL ETHER TOTAL (UG/L)	BIS (2-CHLORO-ETHYL) ETHER BOT.MAT (UG/KG)	BIS (2-CHLORO-ETHOXY) METHANE TOTAL (UG/L)	BIS (2-CHLORO-ETHOXY) METHANE BOT.MAT (UG/KG)	BIS (2-CHLORO-ISO-PROPYL) ETHER TOTAL (UG/L)	BIS (2-CHLORO-ISO-PROPYL) ETHER BOT.MAT (UG/KG)	BROMO-FORM BOT.MAT (UG/KG)	N-BUTYL BENZYL PHTHAL-ATE TOTAL (UG/L)	N-BUTYL BENZYL PHTHAL-ATE BOT.MAT (UG/KG)	CARBON TETRA-CHLOR-IDE BOT.MAT (UG/KG)	CHLORO-BENZENE TOTAL (UG/L)	CHLORO-BENZENE BOT.MAT (UG/KG)
MAY 1988												
17...	<5.0	<460	<5.0	<460	<5.0	<460	<19	<5.0	<460	<19	<0.2	<19

DATE	DI-BROMO-CHLORO-METHANE BOT.MAT (UG/KG)	CHLORO-ETHANE TOTAL (UG/L)	CHLORO-ETHANE BOT.MAT (UG/KG)	CHLORO-FORM BOT.MAT (UG/KG)	CHRY-SENE TOTAL (UG/L)	CHRY-SENE BOT.MAT (UG/KG)	BROMO-DI-CHLORO-METHANE BOT.MAT (UG/KG)	DIETHYL PHTHAL-ATE TOTAL (UG/L)	DIETHYL PHTHAL-ATE BOT.MAT (UG/KG)	DI-METHYL PHTHAL-ATE TOTAL (UG/L)	DI-METHYL PHTHAL-ATE BOT.MAT (UG/KG)	ETHYL-BENZENE TOTAL (UG/L)
MAY 1988 17...	<19	<0.2	<19	<19	<10	<930	<19	<5.0	<460	<5.0	<460	<0.2

DATE	ETHYL-BENZENE BOT.MAT (UG/KG)	FLUOR-ANTHENE TOTAL (UG/L)	FLUOR-ANTHENE BOT.MAT (UG/KG)	FLUOR-ENE TOTAL (UG/L)	FLUOR-ENE BOT.MAT (UG/KG)	HEXA-CHLORO-CYCLO-PENT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-CYCLO-PENT-ADIENE BOT.MAT (UG/KG)	HEXA-CHLORO-ETHANE TOTAL (UG/L)	HEXA-CHLORO-ETHANE BOT.MAT (UG/KG)	INDENO (1,2,3-CD) PYRENE TOTAL (UG/L)	INDENO (1,2,3-CD) PYRENE BOT.MAT (UG/KG)	ISO-PHORONE TOTAL (UG/L)
MAY 1988 17...	<19	<5.0	<460	<5.0	<460	<5.0	<460	<5.0	<460	<10	<930	<5.0

DATE	METHYL-BROMIDE TOTAL (UG/L)	ISO-PHORONE BOT.MAT (UG/KG)	METHYL BROMIDE BOT.MAT (UG/KG)	METHYL-CHLO-RIDE TOTAL (UG/L)	METHYL CHLOR-IDE BOT.MAT (UG/KG)	METHYL-ENE CHLO-RIDE TOTAL (UG/L)	METHY-LENE CHLOR-IDE BOT.MAT (UG/KG)	N-NITRO-SODI-N-PROPYL-AMINE TOTAL (UG/L)	N-NITRO-SODI-N-PROPYL-AMINE BOT.MAT (UG/KG)	N-NITRO-SODI-PHENY-LAMINE TOTAL (UG/L)	N-NITRO-SODI-PHENY-LAMINE BOT.MAT (UG/KG)	NAPHTH-ALENE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<460	<19	<0.2	<19	<0.2	830	<5.0	<460	<5.0	<460	<460

DATE	NITRO-BENZENE TOTAL (UG/L)	NITRO-BENZENE BOT.MAT (UG/KG)	PARA-CHLORO-META CRESOL TOTAL (UG/L)	PARA-CHLORO-META CRESOL BOT.MAT (UG/KG)	PHENAN-THRENE TOTAL (UG/L)	PHENAN-THRENE BOT.MAT (UG/KG)	PYRENE TOTAL (UG/L)	PYRENE BOT.MAT (UG/KG)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L)	TETRA-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	TOLUENE BOT.MAT (UG/KG)	TRI-CHLORO-ETHYL-ENE BOT.MAT (UG/KG)
MAY 1988 17...	<5.0	<460	<30	<2800	<5.0	<460	<5.0	<460	<0.2	<19	<19	<19

DATE	TRI-CHLORO-FLUORO-METHANE TOTAL (UG/L)	TRI-CHLORO-FLUORO-METHANE BOT.MAT (UG/KG)	VINYL CHLOR-IDE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L)	1,1-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L)	1,1-DI-CHLORO-ETHY-LENE BOT.MAT (UG/KG)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,1-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L)	1,1,2-TRI-CHLORO-ETHANE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<19	<19	<0.2	<19	<0.2	<19	<0.2	19	<0.2	<19

TABLE 19.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER, BOTTOM MATERIAL, AND TISSUE FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 17 AND JUNE 21, 1988--CONTINUED

DATE	1,1,2,2 TETRA-CHLORO-ETHANE TOTAL (UG/L)	1,1,2,2 -TETRA-CHLORO-ETHANE BOT.MAT (UG/KG)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE BOT.MAT (UG/KG)	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE TOTAL (UG/L)	BENZO A ANTHRAC ENE1,2- BENZANT HRACENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-ETHANE BOT.MAT (UG/KG)	1,2-DI-CHLORO-BENZENE TOTAL (UG/L)	1,2-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2-DI-CHLORO-PROPANE TOTAL (UG/L)	1,2-DI-CHLORO-PROPANE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<19	<10	<930	<5.0	<460	<19	<5.0	<460	<0.2	<19

DATE	1,2-TRANSDI CHLORO-ETHENE TOTAL (UG/L)	1,2-TRANS-DI-CHLORO-ETHENE BOT.MAT (UG/KG)	1,2,4-TRI-CHLORO-BENZENE TOTAL (UG/L)	1,2,4-TRI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,2,5,6 -DIBENZ -ANTHRA -CENE TOTAL (UG/L)	1,2,5,6 -DIBENZ -ANTHRA -CENE BOT.MAT (UG/KG)	1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE TOTAL (UG/L)	1,3-DI-CHLORO-BENZENE BOT.MAT (UG/KG)	1,4-DI-CHLORO-BENZENE TOTAL (UG/L)	1,4-DI-CHLORO-BENZENE BOT.MAT (UG/KG)
MAY 1988 17...	<0.2	<19	<5.0	<460	<10	<930	<0.2	<5.0	<460	<5.0	<460

DATE	2-CHLORO-ETHYL-VINYL-ETHER TOTAL (UG/L)	2-CHLORO-ETHYL VINYL ETHER BOT.MAT (UG/KG)	2-CHLORO-NAPH-THALENE TOTAL (UG/L)	2-CHLORO-NAPH-THALENE BOT.MAT (UG/KG)	2-CHLORO-PHENOL TOTAL (UG/L)	2-CHLORO-PHENOL BOT.MAT (UG/KG)	2-NITRO-PHENOL TOTAL (UG/L)	2-NITRO-PHENOL BOT.MAT (UG/KG)	DI-N-OCTYL PHTHAL-ATE TOTAL (UG/L)	DI-N-OCTYL PHTHAL-ATE BOT.MAT (UG/KG)	2,4-DI-CHLORO-PHENOL TOTAL (UG/L)
MAY 1988 17...	<0.2	<19	<5.0	<460	<5.0	<460	<5.0	<460	<10	<930	<5.0

DATE	2,4-DI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,4-DI-METHYL-PHENOL TOTAL (UG/L)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4-DI-NITRO-TOLUENE TOTAL (UG/L)	2,4-DI-NITRO-TOLUENE BOT.MAT (UG/KG)	2,4,-DI-NITRO-PHENOL TOTAL (UG/L)	2,4-DI-NITRO-PHENOL BOT.MAT (UG/KG)	2,4,6-TRI-CHLORO-PHENOL TOTAL (UG/L)	2,4,6-TRI-CHLORO-PHENOL BOT.MAT (UG/KG)	2,6-DI-NITRO-TOLUENE TOTAL (UG/L)	2,6-DI-NITRO-TOLUENE BOT.MAT (UG/KG)
MAY 1988 17...	<460	<5.0	<460	<5.0	<460	<20	<1900	<20	<1900	<5.0	<460

DATE	3,3'-DI-CHLORO-BENZI-DINE TOTAL (UG/L)	3,3'-DI-CHLORO-BENZI-DINE BOT.MAT (UG/KG)	4-BROMO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-BROMO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-CHLORO-PHENYL PHENYL ETHER TOTAL (UG/L)	4-CHLORO-PHENYL PHENYL ETHER BOT.MAT (UG/KG)	4-NITRO-PHENOL TOTAL (UG/L)	4-NITRO-PHENOL BOT.MAT (UG/KG)	4,6-DINITRO -ORTHO-CRESOL TOTAL (UG/L)	4,6-DINITRO -ORTHO-CRESOL BOT.MAT (UG/KG)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L)
MAY 1988 17...	<25	<2300	<5.0	<460	<5.0	<460	<30	<2800	<30	<2800	<0.2

DATE	PHENOL (C6H-5OH) TOTAL (UG/L)	PHENOL (C6H-5OH) BOT.MAT (UG/KG)	NAPHTH-ALENE TOTAL (UG/L)	TRANS-1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L)	PENTA-CHLORO-PHENOL TOTAL (UG/L)	PENTA-CHLORO-PHENOL BOT.MAT (UG/KG)	1,2-DIBROMO ETHYL-ENE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE TOTAL (UG/L)	BIS(2-ETHYL HEXYL) PHTHAL-ATE BOT.MAT (UG/KG)	DI-N-BUTYL PHTHAL-ATE TOTAL (UG/L)
MAY 1988 17...	<5.0	<460	<5.0	<0.2	<0.2	<30	<2800	<0.2	<5.0	<460	<5.0

DATE	DI-N-BUTYL PHTHAL-ATE BOT.MAT (UG/KG)	BENZI-DINE TOTAL (UG/L)	BENZI-DINE BOT.MAT (UG/KG)	VINYL CHLO-RIDE TOTAL (UG/L)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOTAL (UG/L)	HEXA-CHLORO-BENZENE TOT. IN BOTTOM MATL. (UG/KG)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L)	HEXA-CHLORO-BUT-ADIENCE BOT.MAT (UG/KG)	STYRENE TOTAL (UG/L)	XYLENE TOTAL WATER WHOLE TOT REC (UG/L)
MAY 1988 17...	<460	<50	<4600	<0.2	0.6	<5.0	<460	<5.0	<460	<0.2	<0.2

TABLE 19.--CONCENTRATIONS OF VOLATILE AND METHYLENE CHLORIDE-EXTRACTABLE ORGANIC COMPOUNDS AND PHYSICAL DATA IN WATER, BOTTOM MATERIAL, AND TISSUE FROM THE LOWER CALCASIEU RIVER AND BAYOU D'INDE, LOUISIANA, MAY 17 AND JUNE 21, 1988--CONTINUED

[CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM, WHOLE TISSUE BASIS.
DASHES (---), NO DUPLICATE ANALYSIS MADE]

CONCENTRATIONS OF SELECTED MANMADE ORGANIC COMPOUNDS IN TISSUE SAMPLES, MAY 17 AND JUNE 21, 1988

	LAKE CHARLES AT RANGIA BED 5-17-88		LAKE CHARLES AT RANGIA BED 6-21-88		BAYOU D'INDE AT MOUTH 6-21-88	
	DUPLICATES		DUPLICATES		DUPLICATES	
BROMOFORM	*ND	**ND	**ND	---	**ND	---
CHLOROFORM	*ND	**ND	**ND	---	**ND	---
1,2-DICHLOROETHANE	*ND	**ND	**ND	---	**ND	---
HEXACHLOROBENZENE	*ND	*ND	**ND	*ND	**0.01	*ND
HEXACHLOROBUTADIENE	*ND	*ND	**0.04	*ND	**0.35	*ND
OCTACHLORONAPHTHALENE	*ND	*ND	**ND	*ND	**ND	*ND
OCTACHLOROSTYRENE	*ND	*ND	**ND	*ND	**ND	*ND
BENZOPYRENE	*ND	*ND	**ND	*ND	**ND	*ND
BENZOPERYLENE	*ND	*ND	**ND	*ND	**0.01	*ND
NAPHTHALENE	*ND	*ND	**ND	*ND	**ND	*ND
PHENANTHRENE	*ND	*ND	**ND	*ND	**ND	*ND
FLUORANTHENE	*ND	*ND	**ND	*ND	**ND	*ND
PYRENE	*ND	*ND	**0.01	*ND	**0.02	*ND
CHRYSENE	*ND	*ND	**ND	*ND	**0.02	*ND

*QUALITY-CONTROL SAMPLE ANALYZED BY TENNESSEE VALLEY AUTHORITY LABORATORY:
THE LOWEST LEVEL OF DETECTION FOR BROMOFORM, CHLOROFORM, AND 1,2-DICHLOROETHANE = 2.5 MG/KG FOR TISSUE.
THIS METHOD USED A MODIFICATION OF U.S. ENVIRONMENTAL PROTECTION AGENCY (1979A) METHOD 624.
LOWEST LEVEL OF DETECTION FOR ORGANOCHLORINES = 2.5 MG/KG.
LOWEST LEVEL OF DETECTION FOR POLYNUCLEAR AROMATIC HYDROCARBONS = 2.5 MG/KG.

**QUALITY-CONTROL SAMPLE ANALYZED BY MISSISSIPPI STATE UNIVERSITY CHEMISTRY LABORATORY:
THE LOWEST LEVEL OF DETECTION FOR BROMOFORM, CHLOROFORM, AND 1,2-DICHLOROETHANE = 0.005 MG/KG FOR TISSUE.
THIS METHOD USED A MODIFICATION OF U.S. ENVIRONMENTAL PROTECTION AGENCY (1979A) METHOD 624.
LOWEST LEVEL OF DETECTION FOR ORGANOCHLORINES = 0.01 MG/KG.
LOWEST LEVEL OF DETECTION FOR POLYNUCLEAR AROMATIC HYDROCARBONS = 0.01 MG/KG.

*U.S. GOVERNMENT PRINTING OFFICE: 1991 - 566-523

IN SITU WATER-QUALITY MEASUREMENTS, MAY 17, 1988

SITE NAME, TIME	DEPTH (FEET)	TEMP (DEG C)	PH (UNITS)	DO (MG/L)	SPEC COND (US/CM)	SAL (PPT)	ORP (MV)
CALCASIEU RIVER	1.6	28.4	8.3	9.6	7,700	3.9	+213
AT BUOY 130	4.0	26.3	7.3	4.2	9,600	5.1	+249
1440							
BAYOU D'INDE 0.25 MILE ABOVE INDUSTRIAL OUTFALL	1.6	32.6	8.0	8.4	13,980	7.8	+148
1615							
BAYOU D'INDE 0.25 MILE BELOW INDUSTRIAL OUTFALL	1.6	32.6	8.2	10.7	16,700	9.6	+143
1700							
BAYOU D'INDE AT MOUTH	1.6	29.9	8.4	11.9	13,600	7.5	+148
1530							