UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ANALYSES OF NATIVE WATER, BOTTOM MATERIAL, ELUTRIATE SAMPLES, AND DREDGED MATERIAL FROM SELECTED SOUTHERN LOUISIANA WATERWAYS AND SELECTED AREAS IN THE GULF OF MEXICO, 1979-81

By Dee L. Lurry

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UNITED STATES DEPARTMENT OF THE INTERIOR

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GLOSSARY

Particle size.--is the diameter, in millimeters (mm), of bed material.

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

The classification is as follows:

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

Percent finer by weight is the percentage, by weight, of the sample that is of lesser particle size than the indicated value.

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

Aldrin.-- 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo, exo-1,4:5,8-dimethanonaphthalene.

Chlordane.--1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.

DDD.--(combination of ortho and para isomers)o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane, p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

DDE.--(combination of ortho and para isomers)o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene, p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

DDT.--(combination of ortho and para isomers)o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane, p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

Diazinon.--0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.

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

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

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

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

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

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

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

Malathion.--S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion.--0,0-dimethyl 0-p-nitrophenyl phosphorothioate.

Methyl trithion.--phosphorodithioic acid S-[[(4-chlorophenyl) thio]-methyl] 0,0-dimethyl ester.

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

Mirex.--1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion.--0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane.--1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene.--chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion.--phosphorodithioic acid S-[[(4-chlorophenyl)thio] methyl] 0,0-diethyl ester.

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

2,4-D.--(2,4-dichlorophenoxy)acetic acid.

2,4-DP.--2-(2,4-dichlorophenoxy) propionic acid.

2,4,5-T.--(2,4,5-trichlorophenoxy)acetic acid.

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

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

Polychlorinated napthalenes.--(PCN's) are industrial chemicals that are mixtures of chlorinated napthalene compounds having various percentages of chlorine.

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM (SI) OF METRIC UNITS

Multiply	By	To obtain
foot (ft)	0.3048	meter (m)
inch (in.)	25.4	millimeter (mm)
yard (yd)	0.9144	meter (m)
mile (mi)	1.609	kilometer (km)

To convert temperature in degree Celsius (°C) to degree Fahrenheit (°F), multiply by 9/5 and add 32.

ANALYSES OF NATIVE WATER, BOTTOM MATERIAL, ELUTRIATE SAMPLES, AND DREDGED MATERIAL FROM SELECTED SOUTHERN LOUISIANA WATERWAYS AND SELECTED AREAS IN THE GULF OF MEXICO, 1979-81

By Dee L. Lurry

ABSTRACT

The U.S. Geological Survey was requested by the U.S. Army Corps of Engineers, New Orleans District, to provide water-quality data to evaluate environmental effects of dredging activities in selected reaches of the Calcasieu River in southwestern Louisiana. Samples were collected from the upper and lower Calcasieu River between January 1980 and March 1981. Thirty-three samples (22 native-water and 11 effluent) were collected from 11 dredging sites. In addition, a series of elutriate studies were conducted between July 1979 and July 1981 to determine water quality as a basis for assessing possible environmental effects of proposed dredging activities in the following areas: Grand Bayou and Martins Canal near Happy Jack, unnamed bayou near Port Sulphur, Grand Bayou and Pipeline Canal near Port Sulphur and Bayou des Plantins near Empire; Mississippi River-Gulf Outlet and Inner Harbor Navigation Canal; Southwest Pass; Barataria Bay; Atchafalaya Bay at Eugene Island; Calcasieu Ship Channel. Samples of native water and samples of bottom material were collected from 22 different sites and elutriate (mixtures of native water and bottom material) samples were prepared and analyzed. Four proposed ocean-disposal sites were sampled for bottom material only. Samples were analyzed for selected chemical and biological constituents and physical properties.

INTRODUCTION

During the period July 1979 to September 1981 the U.S. Geological Survey, in cooperation with the U.S. Army Corps of Engineers, New Orleans District, conducted three types of water-quality studies dealing with dredging activities in selected reaches of major navigable waterways of southern Louisiana. The types of studies were: (1) dredging, (2) elutriate, and (3) proposed ocean disposal. The Corps of Engineers selected all the sites and collected all the samples.

Dredging studies were concerned with the water quality at selected sites, along the upper and lower Calcasieu River, (fig. 1) in support of Section 404 of the Federal Water Pollution Control Act and Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972. The studies were conducted between January 1980 and March 1981. Results of these studies are presented in this report and provide a basis to assess potential environmental impacts associated with dredging operations and the disposal of dredged material. Samples were collected 100 yards upstream and downstream from the dredging site and from the discharge area.

The elutriate studies were initiated to collect data for use in assessing possible environmental effects of proposed dredging activities in selected reaches of Louisiana waterways. The waterways and areas investigated were the Mississippi River-Gulf Outlet; Calcasieu Ship Channel; Barataria Bay; Southwest Pass; Eugene Island, Atchafalaya Bay; Gulf Intracoastal Waterway; Inner Harbor Navigation Canal, and miscellaneous canals and bayous in the New Orleans to Venice Hurricane Protection Project (fig. 1). Sampling at proposed ocean-disposal sites was done to determine the effects of dredging activities in selected areas. The sites were in Barataria Bay; near Eugene Island, Atchafalaya Bay; near the Mississippi River-Gulf Outlet; and near Southwest Pass. Four samples from proposed ocean-disposal sites were each collected within several yards of the collection site of the elutriate collected at that latitude and longitude.

Elutriate sites near Happy Jack, Port Sulphur, and Empire were sampled as part of the Hurricane Protection Project. The Hurricane Protection Project was authorized by Congress as a result of Public Law 71, 84th Congress, First Session, July 15, 1955. This law authorized and directed the Corps of Engineers to survey the eastern and southern seaboards of the United States for flood-damage potential due to hurricanes, with particular reference to areas where severe damage has occurred. The New Orleans to Venice portion of the project was authorized by the Flood Control Act of 1962.

The U.S. Geological Survey cooperated with the Corps of Engineers to investigate possible environmental impacts of constructing levees with locally dredged material. It was of interest to the Corps of Engineers to predict what effects these levees would have on the quality of the water with which they come into contact. The method used to analyze for the potential effects these levees would have on water quality was the "standard elutriate test."

The U.S. Geological Survey prepared and analyzed all of the samples in the aforementioned studies. The results are presented here without interpretation.

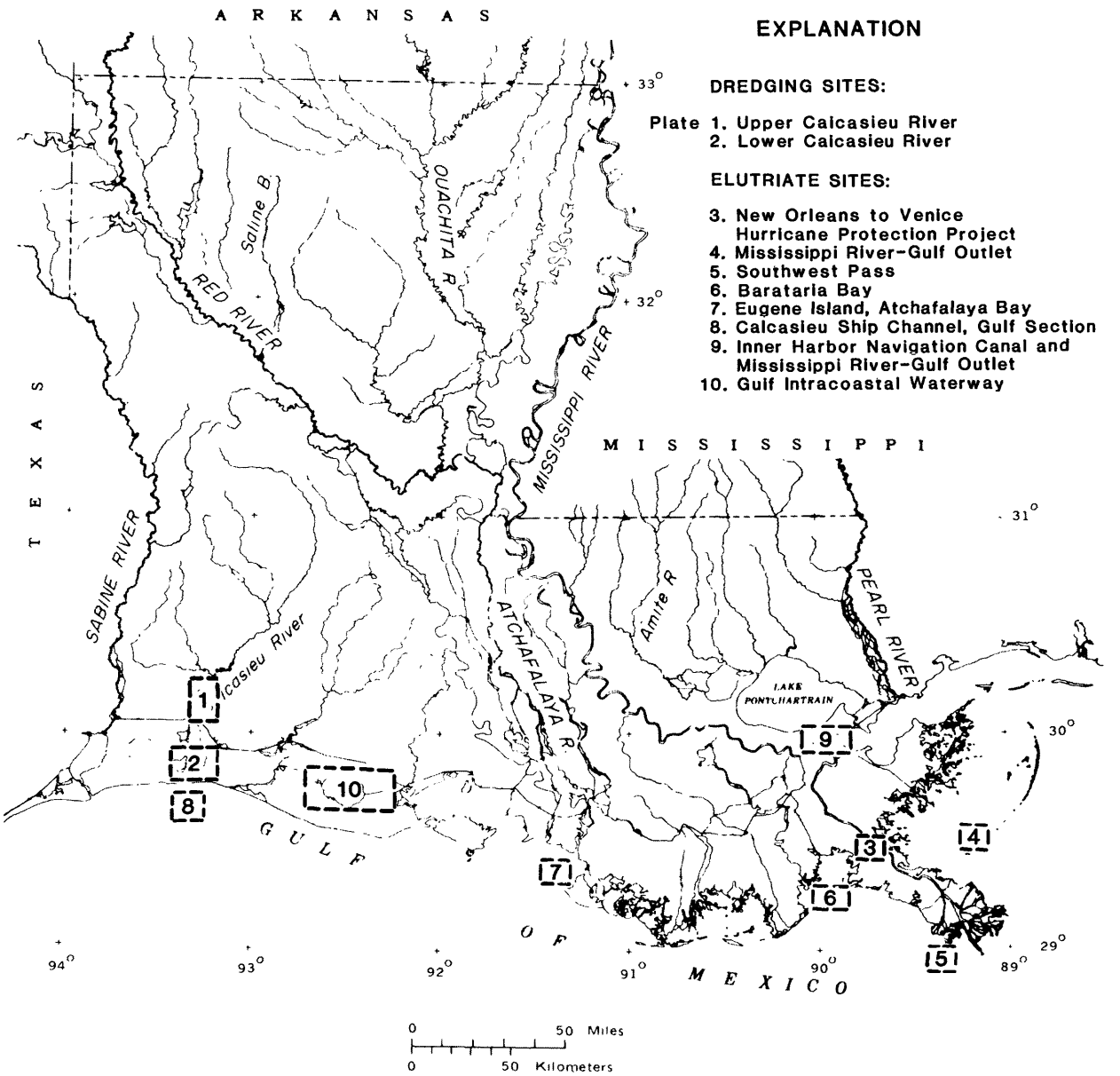

Figure 1.--Location of sampling areas, 1979-81.

MATERIALS AND METHODS

Dredging

Native-water samples were collected near the top of the water column and immediately chilled. Each water sample was prepared for analysis according to methods approved by the U.S. Geological Survey for appropriate processing and preservation. All samples for analysis for dissolved constituents were filtered through a prerinsed membrane filter (0.45-micrometer pore size).

Effluent samples were collected from hopper and hydraulic dredges. Dredge effluent was sampled at the point of discharge where hydraulic dredges were used and at the point of entry into the hopper (prior to dewatering) where hopper dredges were used. The effluent samples were allowed to settle for 30 minutes. After settling, a portion of the supernatant was decanted, treated as appropriate for the specific analysis, and stored at 4.0°C until analyzed. The remainder of the sample was centrifuged and filtered through a prerinsed 0.45-micrometer membrane filter. The filtrate was then treated and analyzed for selected dissolved constituents.

Elutriate

An elutriate, as defined by the U.S. Environmental Protection Agency (1975, p. 41295) " * * * is the supernatant resulting from the vigorous 30-minute shaking of one part bottom sediment from the dredging site with four parts water (vol/vol) collected from the dredging site followed by one hour settling time and appropriate centrifugation and a 0.45-micron [0.45-micrometer membrane] filtration."

Native water and bottom-material samples were collected using methods developed by Keeley and Engler (1974). Water samples were collected from the upper, middle, and lower third of the water column; then composited and chilled prior to sample preparation. A portion of the composite sample was then filtered through a prerinsed 0.45-micrometer membrane filter and analyzed for selected dissolved constituents. The remainder of the unfiltered sample was refrigerated at 4.0°C and later analyzed for selected constituents or used in the preparation of the elutriate. Bottom-material samples were collected using one of four pieces of equipment: U.S.-BMH-60 bottom sampler, U.S.-BM-60 bottom sampler, Shipek[1/] grab, and a pipe dredge. All bottom samplers were Teflon coated to prevent metal contamination. Bottom samples were mixed by hand and a representative portion was analyzed for selected inorganics, pesticides, and physical properties. Particle-size analysis of bottom material was performed on three samples from the Barataria Bay Waterway elutriate site. (See table 6.) The remainder was stored at 4.0°C until needed for the elutriate test.

[1/] The use of brand names in this report is for identification purposes only and does not imply endorsement by the U.S. Geological Survey.

Bottom material and the corresponding native-water sample were mixed in a 1:4 volumetric ratio of bottom material to native water. This mixture was placed in a Hobart model D-300 mixer with a Hobart "B" beater at low speed for 30 minutes. (The stainless steel bowl and beater were modified by application of a nylon coating to prevent contamination of samples.) After shaking, the suspension was decanted, allowed to stand for 1 hour, centrifuged, and filtered through a 0.45-micrometer membrane filter. The filtrate (standard elutriate) was then treated and stored at 4.0°C prior to analysis.

The elutriate sampling for the sites in Barataria Bay at mile 0.8, at Grand Isle included one native sample and three elutriate samples. The elutriate samples for these sites were prepared as follows: Sample A was prepared from native water and bed material sampled at the site 900 yards west of Barataria Bay Waterway. Sample B was prepared from native water used in sample A and bed material sampled at the site 900 yards southwest of Barataria Bay Waterway. Sample C was prepared from native water used in sample A and bed material sampled at the site 500 yards southwest of Barataria Bay Waterway. (See table 8.)

Laboratory analyses were performed in accordance with the following guidelines:

1. Native-water and effluent samples were analyzed for nutrients (ammonia nitrogen and kjeldahl nitrogen), residues, cyanides, chemical oxygen demand, and dissolved metals using methods described by Skougtad and others (1979).

2. Native-water and effluent samples were analyzed for phenols, selected pesticides (insecticides and herbicides), and other organic compounds using methods outlined by Goerlitz and Brown (1972).

3. Native-water and effluent samples were analyzed for oil and grease using methods described in "Methods for Chemical Analysis of Water and Wastes" (U.S. Environmental Protection Agency, 1979).

4. Native-water and effluent samples were analyzed for settleable matter as outlined in "Standard Methods for the Examination of Water and Wastewater" (American Public Health Association and others, 1976).

5. Samples were analyzed for chlorophyll (a and b) in phytoplankton using methods described by Greeson (1979).

6. Bottom-material samples were analyzed for heavy metals, nutrients and other constituents as outlined by Skougstad and others (1979), and for oil and grease using methods described in "Methods for Chemical Analysis of Water and Wastes" (U.S. Environmental Protection Agency, 1979).

7. Bottom material samples were analyzed for selected insecticides using methods outlined by Goerlitz and Brown (1972).

8. Bottom-material samples were analyzed for particle size using methods outlined in "Engineering and Design, Laboratory Soils Testing" (U.S. Army Corps of Engineers, 1970).

RESULTS

Table 1 shows the type, number, and dates of samples collected in the two dredging areas. Table 2 shows the type, number, and dates of samples collected in the seven elutriate sampling areas and the four proposed ocean-disposal areas. Sampling sites were selected by the Corps of Engineers. Results of the analyses are presented in three sections. The data from the dredging studies (tables 3-4) are included in part A; the data from the elutriate studies (tables 5-12) are included in part B; the data from the studies of proposed ocean-disposal areas (tables 13-16) are included in part C.

The locations of sampling sites are shown on plates 1-10. Latitude and longitude coordinates for each site appear in table headings (table 3-16) as the first 13 digits (the first six representing the latitude coordinate and the next seven representing the longitude coordinate) of a 15-digit identification number.

Table 1.--Sampling areas, dates sampled, and types and number of samples collected for dredging studies

Sampling area	Dates sampled	Number of sites	Up-stream	Down-stream	Effluent	Remarks
Upper Calcasieu River--------	1-24-80, 2- 6-80, 3- 7-80, 4- 3-80, 5- 1-80, 6- 5-80, 7-22-80	7	7	7	7	See plate 1 and table 15.
Lower Calcasieu River--------	10- 2-80, 11- 6-80, 1-21-81, 3-12-81	4	4	4	4	See plate 2 and table 16.
Total-----		11		33		

Table 2.--Sampling areas, dates sampled, and types and number of samples collected for elutriate and ocean-disposal studies

Sampling area	Date sampled	Number of sites	Number of native samples		Number of elutriate samples	Number of bottom material samples	Proposed ocean-disposal samples
			Total	Dissolved			
Grand Bayou and Martin Canal near Happy Jack, unnamed bayou near Port Sulphur, Grand Bayou and Pipeline Canal near Port Sulphur and Bayou des Plantins near Empire----------	7-17-79	6	6	6	6	6	-
Mississippi River-Gulf Outlet and Inner Harbor Navigation Canal-	7-13-79	6	6	6	6	6	-
Mississippi River-Gulf Outlet----------	10-30-79	1	1	1	1	1	1
Southwest Pass---------	10-24-79	1	1	1	1	1	1
Barataria Bay----------	10-18-79	1	1	1	1	1	1
-----Do----------	07-08-81	1	1	1	3	1	-
Eugene Island, Atchafalaya Bay------	10-25-79	1	1	1	1	1	1
Calcasieu Ship Channel, Gulf Section---------	10-18-79	1	1	1	1	1	-
Gulf Intracoastal Waterway----------	07-08-81	4	4	4	4	4	-
Total----------		22	22	22	24	22	4

SELECTED REFERENCES

American Public Health Association, American Water Works Association, and Water Pollution Control Federation, 1976, Standard Methods for the examination of water and wastewater, 14th ed.: Washington, American Public Health Association, p. 95.

Brightbill, D. B. and Treadway, J. B., Jr., 1980, Analyses of water, bank material, bottom material, and elutriate samples collected near Belzoni Mississippi (upper Yazoo Projects): Baton Rouge, La., U.S. Geological Survey Open-File Report 80-758, p. 3.

Demas, C. R., 1976, Analyses of native water, bed material, and elutriate samples of major Louisiana waterways, 1975: Baton Rouge, La. U.S. Geological Survey Open-File Report 76-853, 304 p.

Demas, C. R. and Higgins, P. C., 1977, Analyses of native water and dredged material from southern Louisiana waterways, 1975-76: Baton Rouge, La., U.S. Geological Survey Open-File Report 77-503, 180 p.

Dupuy, A. J., and Couvillion, N. P., 1979, Analyses of native water, bottom material, and elutriate samples of southern Louisiana waterways, 1977-78: Baton Rouge, La., U.S. Geological Survey Open-File Report 79-1484, 414 p.

Goerlitz, D. F., and Brown, Eugene, 1972, Methods for analysis of organic substances in water: U.S. Geological Survey Techniques of Water-Resources Investigations, book 5, chap. A3, 40 p.

Greeson, P. E., ed., 1979; A Supplement to--Methods for collection and analysis of aquatic biological and microbiological samples (U.S. Geological Survey Techniques of Water-Resources Investigations, book 5, chapter A4): Reston, Va., U.S. Geological Survey Open-File Report 79-1279, 92 p.

Keeley, J. W., and Engler, R. M., 1974, Discussion of regulatory criteria for ocean disposal of dredged materials: Elutriate test rationale and implementation guidelines: U.S. Army Corps of Engineers, Waterways Experiment Station, Office of Dredged Material Research, Vicksburg, Miss., Miscellaneous Paper D-74-14.

Leone, H. L., Jr., 1976, Analyses of water, core material and elutriate samples collected near New Orleans, Louisiana, (Lake Pontchartrain, Louisiana, and vicinity hurricane protection project): Baton Rouge, La., U.S. Geological Survey Open-File Report 76-758, 22 p.

Skougstad, M. W., Fishman, M. J., Friedman, L. C., Erdmann, D. E. and Duncan, S. S., eds., 1979, Methods for determination of inorganic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, book 5, chap. A1, 626 p.

Stallworth, G. R., and Jordan, H. F., 1980, Analyses of water and dredged material from selected southern Louisiana waterways and selected areas in the Gulf of Mexico, 1976-78: Baton Rouge, La., U.S. Geological Survey Open-File Report 80-694, 141 p.

Thibodeaux, B. J., Benedict, B. A., and Grimwood, Charles, 1979, Ocean dumping of dredged material--Gulf of Mexico, in Volume 2, Coastal Zone '78: American Society of Civil Engineers Proceedings, 1978 Conference, San Francisco, Calif. p. 1115-1116.

U.S. Army Corps of Engineers, 1970, Engineering and design, laboratory soils testing: Engineer Manual EM 1110-2-1906, November 30, 1970, app. V, p. V1-V24.

U.S. Environmental Protection Agency, 1975, Navigable waters: Discharge of dredged or fill material: Federal Register, September 5, 1975, v. 40, no. 173, pt. 230, p. 41292-41298.

_____1979, Methods for chemical analysis of water and wastes: Cincinnati, Ohio, U.S. Environmental Protection Agency, Office of Research and Development, Report EPA-600/4-79-020, 460 p.

HYDROLOGIC DATA

Part A: Dredging Data

(Tables 3-4)

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

300530093193000 CALCASIEU RIVER AT MILE 23.0, NEAR HACKBERRY, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
JUL , 1980											
22...UPSTREAM	42100	7.8	10	10	<1.0	160	5400	5400	330	1100	8700
22...DOWNSTREAM	28300	7.5	10	5	<1.0	76	3300	3200	220	670	5900
22...EFFLUENT	37500	7.2	60	75	980	160	4800	4200	340	950	7800

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)
JUL , 1980											
22...	330	105	1900	16000	9	0	22	.04	.10	.45	1.4
22...	20	81	1400	11000	4	0	4	.07	.05	.67	2.0
22...	29	539	1500	14000	149	95	54	.84	.00	.22	1.0

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)
JUL , 1980											
22...	1.6	1.8	1.7	.09	.09	2	2	10	10	0	0
22...	--	2.7	--	.09	.10	2	1	10	10	1	0
22...	23	23	24	2.3	.04	7	23	10	10	0	0

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
JUL , 1980											
22...	30	30	0	16	12	190	6	3	410	390	.0
22...	20	20	0	44	30	110	7	5	220	110	.0
22...	30	20	0	4	1	24000	4	4	9000	8100	.0

DATE	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
JUL , 1980											
22...	.1	3	4	0	0	80	80	4.3	.00	5	0
22...	.1	4	2	0	0	110	110	8.3	.00	4	0
22...	.0	2	2	0	0	--	50	13	.00	4	--

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

300530093193000 CALCASIEU RIVER AT MILE 23.0, NEAR HACKBERRY, LA--CONTINUED

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
JUL , 1980											
22...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
22...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
22...	.2	18	.0	.0	.000	.0	.0	.0	.000	.0	.000

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL , 1980											
22...	--	.000	--	.00	--	.000	--	.000	--	.000	--
22...	--	.000	--	.00	--	.000	--	.000	--	.000	--
22...	.0	.000	.0	.02	.0	.000	.0	.000	.0	.000	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL , 1980										
22...	.00	--	.000	--	.000	--	.000	--	.00	--
22...	.00	--	.000	--	.000	--	.000	--	.00	--
22...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL , 1980										
22...	.00	--	.00	--	.00	--	.00	--	.00	--
22...	.00	--	.00	--	.00	--	.00	--	.00	--
22...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL , 1980										
22...	.00	--	.0	--	.00	--	.00	.00	.00	.00
22...	.00	--	.0	--	.00	--	.00	.00	.00	.00
22...	.00	.00	.0	.0	.00	.0	.03	.00	.00	.00

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
JUL , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
22...	1024	% FINER BY WEIGHT	--	--	--	99.5	98.0	96.5	94.5	90.5	85.5	75.0	66.0	62.0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

300629093195400 CALCASIEU RIVER AT MILE 24.0, NEAR HOLLYWOOD, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JUN , 1980											
05...UPSTREAM	485	5.8	70	20	<1.0	40	--	26	13	6.2	2.6
05...DOWNSTREAM	470	6.0	80	20	<1.0	37	--	27	14	7.0	2.3
05...EFFLUENT	7060	7.5	60	160	<1.0	160	100000	550	160	40	110

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)
JUN , 1980												
05...	80	2.1	13	24	120	8	1	7	.76	--	.74	1.5
05...	80	2.0	13	24	120	14	12	2	.76	--	1.0	1.8
05...	1200	71	390	52	2100	252	204	48	15.0	380	.00	13

DATE	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, 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)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)
JUN , 1980											
05...	--	--	.09	1	1	--	0	<1	--	1	1
05...	--	--	.04	1	1	--	0	<1	--	1	1
05...	2430	.33	.12	26	9	10	0	1	1	0	0

DATE	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)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
JUN , 1980											
05...	--	0	0	--	0	13	6	--	250	9	2
05...	--	0	0	--	0	9	6	--	230	5	3
05...	.10	10	0	26	0	11	4	46	40	8	0

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 DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)
JUN , 1980											
05...	--	130	80	--	.1	.0	--	7	0	--	0
05...	--	90	40	--	.1	.0	--	6	2	--	0
05...	50	1800	900	6800	.0	.1	.27	9	3	20	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
JUN , 1980											
05...	0	--	80	20	--	16	.00	--	7	0	--
05...	0	--	80	10	--	16	.00	--	13	0	--
05...	0	0	40	30	70	49	.00	0	4	--	0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

300629093195400 CALCASIEU RIVER AT MILE 24.0, NEAR HOLLYWOOD, LA--CONTINUED

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
JUN , 1980											
05...	.3	--	.0	--	.000	--	.0	--	.000	--	.000
05...	.2	--	.0	--	.000	--	.0	--	.000	--	.000
05...	.0	17	.0	.0	.000	.0	.0	.0	.000	.9	.000

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN , 1980											
05...	--	.000	--	.00	--	.000	--	.000	--	.000	--
05...	--	.000	--	.01	--	.000	--	.000	--	.000	--
05...	.0	.000	.0	.04	.0	.003	.0	.000	.0	.000	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN , 1980										
05...	.00	--	.000	--	.000	--	.000	--	.00	--
05...	.00	--	.000	--	.000	--	.000	--	.00	--
05...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUN , 1980										
05...	.00	--	.00	--	.00	--	.00	--	.00	--
05...	.00	--	.00	--	.00	--	.00	--	.00	--
05...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUN , 1980										
05...	.00	--	.0	--	.00	--	.60	.00	.00	.00
05...	.00	--	.0	--	.00	--	.14	.00	.00	.00
05...	.00	.00	.0	.0	.00	.0	.05	.00	.01	.00

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE											
JUN , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
05...	1010	% FINER BY WEIGHT	--	--	--	--	99.0	98.0	94.5	88.5	83.0	75.0	65.0	55.0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301148093171700 CALCASIEU RIVER AT MILE 31.4, NEAR HOLLYWOOD, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
MAY , 1980										
01...UPSTREAM	4720	5.8	20	5	<1.0	130	--	460	450	38
01...DOWNSTREAM	4620	5.9	20	3	34	920	--	450	440	37
01...EFFLUENT	20600	7.0	10	15	<1.0	93	210000	2400	2300	160

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
MAY , 1980											
01...	89	790	31	14	240	1400	27	21	6	.02	.02
01...	88	790	30	14	220	1400	24	17	7	.02	.01
01...	490	4000	170	67	940	7300	284	68	216	.10	.02

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
MAY , 1980											
01...	.04	4.7	--	--	2.0	--	6.7	--	--	6.7	.14
01...	.03	2.6	2.8	--	1.9	1.9	4.5	4.7	--	4.5	.11
01...	.12	1.4	1.4	842	1.9	.80	3.3	2.2	6070	3.4	1.1

DATE	PHOSPHORUS, 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)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
MAY , 1980											
01...	.06	1	1	--	0	0	--	1	0	--	20
01...	.02	1	1	--	10	0	--	0	0	--	10
01...	.950	3	2	6	10	0	1	0	0	1	20

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
MAY , 1980											
01...	0	--	0	14	5	--	260	16	1	--	220
01...	0	--	0	11	2	--	230	9	1	--	210
01...	10	40	0	5	2	19	50	6	1	30	610

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
MAY , 1980										
01...	210	--	.1	.1	--	9	7	--	2	1
01...	210	--	.1	.0	--	7	5	--	1	1
01...	610	490	.1	.0	.52	5	4	8	0	0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301148093171700 CALCASIEU RIVER AT MILE 31.4, NEAR HOLLYWOOD, LA--CONTINUED

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
MAY , 1980										
01...	--	70	40	--	22	.15	--	62	2	--
01...	--	40	20	--	20	.13	--	29	2	--
01...	0	30	10	57	7.9	.00	1	0	--	1500

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
MAY , 1980											
01...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
01...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
01...	.0	15	.0	.0	.000	.0	.0	.0	.000	.0	.000

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
MAY , 1980										
01...	--	.000	--	.00	--	.000	--	.000	--	.000
01...	--	.000	--	.00	--	.000	--	.000	--	.000
01...	.0	.000	.0	.00	.0	.000	.0	.000	.0	.000

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)
MAY , 1980										
01...	--	.00	--	.000	--	.000	--	.000	--	.00
01...	--	.00	--	.000	--	.000	--	.000	--	.00
01...	.0	.00	.0	.000	.0	.000	.0	.000	.0	.00

DATE	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY , 1980										
01...	--	.00	.00	--	.00	--	.00	--	.00	--
01...	--	.00	.00	--	.00	--	.00	--	.00	--
01...	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION TOTAL (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAY , 1980										
01...	.00	--	.0	--	.00	--	--	--	--	--
01...	.00	--	.0	--	.00	--	--	--	--	--
01...	.00	.00	.0	.0	.00	.0	.00	.00	.00	.00

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE											
MAY , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
01...	1020	% FINER BY WEIGHT	--	--	--	--	99.0	98.0	96.0	90.0	82.0	66.5	51.0	41.5

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301222093162300 CALCASIEU RIVER AT MILE 32.4, NEAR MAPLEWOOD, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
APR , 1980										
03...UPSTREAM	65	6.0	70	40	<1.0	53	--	12	5	3.1
03...DOWNSTREAM	56	5.5	70	40	<1.0	39	--	8	3	1.8
03...EFFLUENT	5680	7.5	70	70	610	140	16000	470	260	31

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
APR , 1980											
03...	1.0	6.8	1.2	7	3.2	11	21	18	3	.05	.01
03...	.9	6.3	1.1	5	2.1	11	25	16	9	.04	.02
03...	96	1000	64	210	5.9	1900	47000	42500	4500	.00	.05

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
APR , 1980											
03...	.06	.11	.11	--	1.2	.57	1.3	.68	--	1.4	.03
03...	.06	.13	.13	--	.86	.74	.99	.87	--	1.1	.09
03...	--	11	--	32	4.0	--	13.0	--	416	13	1.6

DATE	PHOSPHORUS, 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)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
APR , 1980											
03...	.03	1	0	--	0	<1	--	1	1	0	0
03...	.03	1	1	--	0	<1	--	0	<1	--	0
03...	1.6	11	12	1	0	0	0	1	0	0	10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
APR , 1980											
03...	0	--	0	1	2	--	180	5	0	--	70
03...	0	--	0	1	1	--	200	3	0	--	70
03...	10	8	0	12	0	14	60	19	0	0	1400

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
APR , 1980											
03...	40	--	.0	.0	--	2	0	--	0	0	--
03...	40	--	.0	.0	--	0	1	--	0	--	--
03...	1100	87	.3	.0	.18	9	3	10	0	0	0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301222093162300 CALCASIEU RIVER AT MILE 32.4, NEAR MAPLEWOOD, LA--CONTINUED

DATE	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
APR , 1980										
03...	1.0	20	<3	--	12	.00	--	0	0	--
03...	--	20	7	--	13	.00	--	3	0	--
03...	--	40	30	18	38	.00	0	4	0	1000

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
APR , 1980											
03...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
03...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
03...	.3	93	.0	.0	.000	.0	.0	.0	.000	.0	.000

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
APR , 1980											
03...	--	.000	--	.00	--	.000	--	.000	--	.000	--
03...	--	.000	--	.00	--	.001	--	.000	--	.000	--
03...	.0	.000	.0	.00	.0	.000	.0	.001	.1	.000	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
APR , 1980										
03...	.00	--	.000	--	.000	--	.000	--	.00	--
03...	.00	--	.000	--	.000	--	.000	--	.00	--
03...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
APR , 1980										
03...	.00	--	.00	--	.00	--	.00	--	.00	--
03...	.00	--	.00	--	.00	--	.00	--	.00	--
03...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
APR , 1980										
03...	.00	--	.0	--	.00	--	.01	.00	.00	.00
03...	.00	--	.0	--	.00	--	.02	.00	.00	.00
03...	.00	.00	.0	.0	.00	.0	--	--	--	--

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
APR , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
03...	1100	% FINER BY WEIGHT	--	--	99.5	94.5	72.5	39.0	29.5	25.0	23.5	22.0	19.5	16.5

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301259093153600 CALCASIEU RIVER AT MILE 33.5, NEAR WESTLAKE, LA.

DATE	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA-TERIAL (MG/KG)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
MAR , 1980										
07...UPSTREAM	3100	6.9	40	20	<1.0	46	--	330	310	25
07...DOWNSTREAM	2720	6.9	40	20	<1.0	49	--	290	270	22
07...EFFLUENT	28900	7.5	--	--	250	270	7100	3800	3600	240

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
MAR , 1980											
07...	65	500	22	18	150	910	19	8	11	.11	.01
07...	57	420	19	15	130	750	23	12	11	.11	.02
07...	770	5700	230	163	1500	10000	13500	12200	1350	.05	.01

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)
MAR , 1980											
07...	.12	.30	.30	--	.70	.80	1.0	1.1	--	1.1	.03
07...	.13	.34	.28	--	1.1	.92	1.4	1.2	--	1.5	.04
07...	.06	5.0	5.0	.0	1.5	--	6.5	--	2520	6.6	.08

DATE	PHOS-PHORUS, DIS-SOLVED (MG/L 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)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	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)
MAR , 1980											
07...	.02	1	1	--	0	0	--	0	0	0	10
07...	.02	1	1	--	0	0	--	0	0	--	0
07...	.08	3	3	2	10	10	0	0	2	0	20

DATE	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	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, DIS-SOLVED (UG/L 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)
MAR , 1980											
07...	0	--	0	5	2	--	70	2	0	--	110
07...	0	--	1	4	2	--	110	4	0	--	110
07...	20	30	0	4	1	16	70	3	0	0	1500

DATE	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)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)
MAR , 1980										
07...	110	--	.1	.2	--	0	0	--	0	0
07...	100	--	.1	.0	--	0	0	--	--	0
07...	1500	380	.1	.1	.28	0	0	0	0	0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301259093153600 CALCASIEU RIVER AT MILE 33.5, NEAR WESTLAKE, LA.--CONTINUED

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
MAR , 1980										
07...	--	20	20	--	8.5	.00	--	0	0	--
07...	--	20	20	--	9.5	.00	--	1	0	--
07...	0	20	20	57	8.0	.00	0	0	0	3100

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
MAR , 1980											
07...	.9	--	.0	--	.000	--	.0	--	.000	--	.000
07...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
07...	.0	22	.0	.0	.000	.0	.0	.0	.000	.0	.000

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAR , 1980											
07...	--	.000	--	.00	--	.000	--	.000	--	.000	--
07...	--	.000	--	.00	--	.000	--	.000	--	.000	--
07...	.0	.000	.0	.02	.0	.000	.0	.000	.0	.000	.4

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAR , 1980										
07...	.00	--	.000	--	.000	--	.000	--	.00	--
07...	.00	--	.000	--	.000	--	.000	--	.00	--
07...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAR , 1980										
07...	.00	--	.00	--	.00	--	.00	--	.00	--
07...	.00	--	.00	--	.00	--	.00	--	.00	--
07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR , 1980										
07...	.00	--	.0	--	.00	--	.13	.00	.00	.00
07...	.00	--	.0	--	.00	--	.08	.00	.00	.00
07...	.00	.00	.0	.0	.00	.0	.02	.00	.00	.00

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
MAR , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
07...	1050	% FINER BY WEIGHT	--	99.9	99.8	98.0	97.0	93.5	87.0	79.0	69.0	56.0	40.0	32.0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301333093151700 CALCASIEU RIVER AT MILE 34.0, NEAR WESTLAKE, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
FEB , 1980										
06...UPSTREAM	2350	6.7	100	60	<1.0	41	--	250	230	20
06...DOWNSTREAM	2100	6.9	80	35	<1.0	38	--	210	190	17
06...EFFLUENT	24500	7.9	30	40	--	120	100000	3100	2900	190

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
FEB , 1980											
06...	48	380	15	16	100	700	44	31	13	.07	.04
06...	41	330	13	17	90	590	48	31	17	.07	.04
06...	640	4800	1600	238	1000	9400	42	19	23	.12	.03

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
FEB , 1980											
06...	.11	.42	.38	--	.88	1.0	1.3	1.4	--	1.4	.07
06...	.11	.45	.40	--	.85	.90	1.3	1.3	--	1.4	.07
06...	.15	6.7	6.7	40	4.3	1.7	11.0	8.4	1990	11	.66

DATE	PHOSPHORUS, 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)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
FEB , 1980											
06...	.03	1	0	--	0	0	--	0	1	0	10
06...	.02	1	0	--	0	0	--	0	1	--	10
06...	.61	4	5	8	0	0	1	1	1	0	20

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
FEB , 1980											
06...	0	--	0	0	2	--	170	3	0	--	110
06...	0	--	0	0	1	--	170	2	0	--	110
06...	10	30	0	0	1	23	80	6	2	40	970

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
FEB , 1980										
06...	80	--	.1	.0	--	2	2	--	0	0
06...	80	--	.1	.0	--	3	0	--	0	0
06...	970	340	.3	.1	.24	6	2	0	1	0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301333093151700 CALCASIEU RIVER AT MILE 34.0, NEAR WESTLAKE, LA--CONTINUED

DATE	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	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 TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
FEB , 1980										
06...	--	40	40	--	11	.00	--	1	0	--
06...	--	40	40	--	11	.00	--	1	0	--
06...	0	30	30	53	12	.00	0	1	0	1000

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN POT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)
FEB , 1980											
06...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
06...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
06...	.0	57	.0	.0	.000	.0	.0	.0	.000	.0	.000

DATE	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
FEB , 1980											
06...	--	.000	--	.00	--	.000	--	.000	--	.000	--
06...	--	.000	--	.00	--	.000	--	.000	--	.000	--
06...	.0	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
FEB , 1980										
06...	.00	--	.000	--	.000	--	.000	--	.00	--
06...	.00	--	.000	--	.000	--	.000	--	.00	--
06...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
FEB , 1980										
06...	.00	--	.00	--	.00	--	.00	--	.00	--
06...	.00	--	.00	--	.00	--	.00	--	.00	--
06...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
FEB , 1980										
06...	.00	--	.0	--	.00	--	.03	.00	.00	.00
06...	.00	--	.0	--	.00	--	.09	.00	.00	.00
06...	.00	.00	.0	.0	.00	.0	.02	.00	.00	.00

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
FEB , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
06...	1045	% FINER BY WEIGHT	--	--	99.0	99.0	96.0	92.5	85.5	75.5	66.0	49.5	39.0	31.0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301349093144700 CALCASIEU RIVER AT MILE 36.0, NEAR WESTLAKE, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
JAN , 1980										
24...UPSTREAM	1430	6.7	80	55	< 1.0	48	--	130	110	13
24...DOWNSTREAM	1610	6.8	80	50	< 1.0	47	--	150	130	13
24...EFFLUENT	17800	7.6	60	15	--	2000	55000	1800	1500	130

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
JAN , 1980											
24...	24	220	9.8	17	61	370	32	28	4	.08	.08
24...	28	240	11	19	67	430	78	56	22	.07	.08
24...	350	3200	120	244	570	5900	47	21	26	.00	.04

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
JAN , 1980											
24...	.16	.16	.06	--	1.0	.94	1.2	1.0	--	1.4	.05
24...	.15	.17	.03	--	.72	.60	.89	.63	--	1.0	.05
24...	.04	14.0	14.0	134	5.0	.00	19.0	12	2220	19	.21

DATE	PHOSPHORUS, 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)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
JAN , 1980											
24...	.02	1	1	--	0	<1	--	0	<1	0	0
24...	.01	2	1	--	0	<1	--	0	<1	--	0
24...	.03	9	8	7	0	0	1	0	0	0	10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
JAN , 1980											
24...	0	--	0	4	2	--	200	9	2	--	90
24...	0	--	0	4	1	--	210	8	2	--	80
24...	10	10	0	2	0	15	70	6	0	10	--

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
JAN , 1980										
24...	70	--	.0	.0	--	6	5	--	0	0
24...	70	--	.0	.0	--	21	2	--	0	0
24...	3900	190	.0	.0	.10	6	0	0	0	0

TABLE 3.--WATER-QUALITY DATA, UPPER CALCASIEU RIVER

301349093144700 CALCASIEU RIVER AT MILE 36.0, NEAR WESTLAKE, LA--CONTINUED

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
JAN , 1980										
24...	--	40	20	--	15	.00	--	6	1	--
24...	--	30	6	--	16	.00	--	1	0	--
24...	0	30	20	37	35	.00	0	2	--	1600

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
JAN , 1980											
24...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
24...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
24...	.0	38	.0	.0	.000	.0	.0	7.0	.000	1.5	.000

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN , 1980											
24...	--	.000	--	.00	--	.000	--	.000	--	.000	--
24...	--	.000	--	.02	--	.000	--	.000	--	.000	--
24...	1.3	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN , 1980										
24...	.00	--	.000	--	.000	--	.000	--	.00	--
24...	.00	--	.000	--	.000	--	.000	--	.00	--
24...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN , 1980										
24...	.00	--	.00	--	.00	--	.00	--	.00	--
24...	.00	--	.00	--	.00	--	.00	--	.00	--
24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION TOTAL (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN , 1980										
24...	.00	--	.0	--	.00	--	.37	.00	.00	.00
24...	.00	--	.0	--	.00	--	.18	.00	.01	.00
24...	.00	.00	.0	.0	.00	.0	.05	.00	.00	.00

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
JAN , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
24...	1135	% FINER BY WEIGHT	--	--	--	--	92.0	72.5	65.5	61.5	55.5	46.5	36.5	32.0

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

294930093205400 CALCASIEU RIVER AT MILE 4.5, NEAR CAMERON, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
MAR , 1981											
12...UPSTREAM	29900	7.8	5	15	<1.0	360	--	3500	3500	230	720
12...DOWNSTREAM	29600	7.8	15	10	<1.0	340	--	3500	3500	230	720
12...EFFLUENT	34800	7.9	10	15	990	280	18000	4200	3800	270	860

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
MAR , 1981												
12...	6200	200	74	1500	11000	32	27	5	.12	.01	.22	.28
12...	6300	200	74	1500	11000	47	39	8	.30	.01	.18	.23
12...	7500	210	367	1600	13000	46	34	12	.08	.05	1.1	1.40

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
MAR , 1981												
12...	1.3	1.2	1.5	--	1.3	5.9	.28	.22	1	1	--	10
12...	1.2	--	1.4	--	--	--	.39	.24	1	1	--	10
12...	17	19	18	316	19	85	--	.11	--	11	6	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
MAR , 1981											
12...	10	--	0	0	--	30	20	--	0	--	15
12...	10	--	0	1	--	30	20	--	0	10	4
12...	10	0	0	1	.02	40	20	4	0	8	2

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L 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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)
MAR , 1981											
12...	--	100	4	0	--	100	50	--	.4	.4	--
12...	--	110	1	1	--	80	30	--	.4	.2	--
12...	12	3800	4	0	20	--	3900	430	.4	.3	.07

DATE	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)
MAR , 1981											
12...	30	1	--	0	1	--	40	--	.01	--	0
12...	1	1	--	0	0	--	30	--	.00	--	2
12...	2	2	10	0	0	0	40	21	.00	0	0

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

294930093205400 CALCASIEU RIVER AT MILE 4.5, NEAR CAMERON, LA--CONTINUED

DATE	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
MAR , 1981											
12...	0	--	<.10	--	<.1	--	<.001	--	<.1	--	<.001
12...	0	--	<.10	--	<.1	--	<.001	--	<.1	--	<.001
12...	--	0	<.10	3	<.1	<1.0	<.001	<.1	.1	<1.0	<.001

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR , 1981											
12...	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001	--
12...	--	<.001	--	<.001	--	<.01	--	<.001	--	<.001	--
12...	.3	<.001	.1	<.001	<.1	.07	<.1	<.001	<.1	<.001	<.1

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
MAR , 1981												
12...	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--
12...	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--
12...	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)
MAR , 1981											
12...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
12...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
12...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
MAR , 1981											
12...	--	<.1	--	<.01	--	<.01	<.01	<.01	<.01	1.62	.000
12...	--	<.1	--	<.01	--	<.01	<.01	<.01	<.01	1.22	.000
12...	<.10	<.1	<1.0	<.01	<.1	<.01	<.01	<.01	<.01	--	--

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
MAR , 1981		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
12...	0940	% FINER BY WEIGHT	--	--	--	99.0	96.0	41.0	28.0	23.5	20.0	18.5	17.5	16.5

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

295129093204500 CALCASIEU RIVER AT MILE 6.8, NEAR CAMERON, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
JAN , 1981											
21...UPSTREAM	34000	7.6	5	8.0	<1.0	410	--	4100	4000	250	840
21...DOWNSTREAM	33800	7.7	5	15.0	<1.0	310	--	5400	5300	350	1100
21...EFFLUENT	39300	7.5	20	30	1000	1300	52000	4900	4500	320	990

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
JAN , 1981												
21...	7700	230	97	2000	13000	76	45	31	.05	.01	.41	.53
21...	6700	220	98	1900	13000	172000	157000	15000	.04	.01	.35	.45
21...	8600	230	326	1900	15000	102	71	31	.00	.01	--	--

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
JAN , 1981												
21...	.58	1.3	.99	--	1.4	6.0	.12	.11	1	1	--	10
21...	.49	1.2	.84	--	1.3	5.5	.11	.04	2	1	--	10
21...	--	20.0	--	1600	20	89	.07	.06	9	7	10	10

DATE	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
JAN , 1981												
21...	10	--	0	0	--	50	20	--	0	5	3	--
21...	10	--	0	0	--	40	30	--	0	9	3	--
21...	10	0	0	0	0	70	60	9	0	6	4	18

DATE	IRON, DISSOLVED (UG/L 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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)
JAN , 1981												
21...	200	5	2	--	90	100	--	.1	.1	--	4	0
21...	300	13	2	--	260	100	--	.1	.0	--	6	0
21...	1100	5	0	20	--	7300	950	.7	.7	.07	4	1

DATE	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)
JAN , 1981											
21...	--	0	0	--	40	30	--	7.6	.00	--	2
21...	--	0	0	--	40	30	--	11	.00	--	2
21...	10	0	0	0	--	40	46	27	.00	2	0

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

295129093204500 CALCASIEU RIVER AT MILE 6.8, NEAR CAMERON, LA--CONTINUED

DATE	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
JAN , 1981											
21...	0	--	<.1	--	<.1	--	<.001	--	<.1	--	<.001
21...	0	--	<.1	--	<.1	--	<.001	--	<.1	--	<.001
21...	--	0	<.1	6	<.1	<1.0	<.001	<.1	<.1	<1.0	<.001

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JAN , 1981											
21...	--	<.001	--	<.001	--	<.01	--	<.00	--	<.001	--
21...	--	<.001	--	<.001	--	<.01	--	<.00	--	<.001	--
21...	<.1	<.001	<.1	<.001	<.1	<.10	<.1	<.00	<.1	<.001	<.1

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JAN , 1981												
21...	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--
21...	<.001	--	<.01	--	<.001	--	<.001	--	<.001	--	<.01	--
21...	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)
JAN , 1981											
21...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
21...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--	<.01
21...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
JAN , 1981											
21...	--	<.1	--	<.01	--	.02	.00	.00	.00	5.94	.000
21...	--	<.1	--	<.01	--	.00	.00	.00	.00	2.63	.000
21...	<.10	<.1	<1.0	<.01	<.1	.01	<.01	<.01	<.01	--	--

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
JAN , 1981		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
21...	1030	% FINER BY WEIGHT	--	--	99.9	99.0	97.0	91.0	59.5	46.5	47.0	26.0	19.0	14.0

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

295825093200800 CALCASIEU RIVER AT MILE 14.75, NEAR HACKBERRY, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
NOV , 1980											
06...UPSTREAM	27300	7.7	10	6.0	<1.0	140	--	3200	3100	230	640
06...DOWNSTREAM	29500	7.7	10	15.0	<1.0	120	--	3300	3200	230	650
06...EFFLUENT	35100	7.3	30	100	1000	280	41000	3900	3400	270	790

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
NOV , 1980												
06...	6400	260	94	1300	12000	16	12	4	.09	.03	.27	.35
06...	6100	220	92	1200	11000	41	33	8	.09	.02	.49	.63
06...	6800	240	531	1200	12000	40	35	5	--	--	10.0	13

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)
NOV , 1980												
06...	1.0	2.1	1.3	--	2.2	9.8	.07	.04	1	1	--	10
06...	.71	1.7	1.2	--	1.8	8.0	.08	.03	1	1	--	10
06...	--	21.0	--	1440	--	--	.80	.08	25	12	9	10

DATE	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)
NOV , 1980											
06...	--	1	0	--	40	--	0	9	4	--	110
06...	--	0	0	40	30	--	0	6	5	--	110
06...	1	0	0	--	40	14	0	6	2	19	14000

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)
NOV , 1980											
06...	2	5	--	100	50	--	.0	.0	--	7	3
06...	3	4	--	280	220	--	.0	.0	--	7	4
06...	5	4	90	9200	6600	640	.0	.0	.09	6	3

DATE	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)
NOV , 1980											
06...	--	0	0	--	30	30	--	7.5	.00	--	0
06...	--	0	0	--	30	30	--	11	.00	--	0
06...	20	0	0	0	50	40	47	26	.00	0	0

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

295825093200800 CALCASIEU RIVER AT MILE 14.75, NEAR HACKBERRY, LA--CONTINUED

DATE	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL (UG/L)
NOV , 1980											
06...	0	--	.00	--	.0	--	.000	--	.0	--	.000
06...	0	--	--	--	.0	--	.000	--	.0	--	.000
06...	--	3500	<.1	3	<.1	<1.0	<.001	<.1	<.1	<1.0	<.001

DATE	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
NOV , 1980											
06...	--	.000	--	.000	--	.00	--	.000	--	.000	--
06...	--	.000	--	.000	--	.01	--	.001	--	.000	--
06...	.3	<.001	<.1	<.001	<.1	.06	<.1	<.001	.1	<.001	<.1

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
NOV , 1980												
06...	.000	--	.00	--	.000	--	.000	--	.000	--	.00	--
06...	.000	--	.00	--	.000	--	.000	--	.000	--	.00	--
06...	<.001	<.1	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE TOTAL (UG/L)
NOV , 1980											
06...	.00	--	.00	--	.00	--	.00	--	.00	--	.00
06...	.00	--	.00	--	.00	--	.00	--	.00	--	.00
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01

DATE	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION TOTAL (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
NOV , 1980											
06...	--	.0	--	.00	--	.06	.00	.00	.00	.000	.000
06...	--	.0	--	.00	--	.04	.00	.00	.00	.000	.000
06...	<.1	<.1	<1.0	<.01	<.1	.04	.00	.00	.00	--	--

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE											
NOV , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
06...	1010	% FINER BY WEIGHT	--	--	--	--	99.0	96.0	90.5	80.5	74.0	64.5	55.0	46.5

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

295836093200700 CALCASIEU RIVER AT MILE 15.0, NEAR HACKBERRY, LA

DATE	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
OCT , 1980										
02...UPSTREAM	32100	7.5	10	15	<1.0	270	--	3900	3800	260
02...DOWNSTREAM	32300	7.8	40	10	<1.0	250	--	4000	3900	260
02...EFFLUENT	34000	7.2	40	50	995	660	27000	4300	3900	280

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT , 1980											
02...	780	6600	260	102	1600	12000	38	13	25	.05	.00
02...	820	6600	240	105	1600	12000	1960	1940	20	.00	.00
02...	880	7200	210	447	1500	13000	237000	222000	15400	.00	.00

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT , 1980											
02...	.05	.09	.08	--	1.2	1.1	1.3	1.2	--	1.3	.11
02...	.00	.06	.04	--	.91	.96	.97	1.0	--	.97	.08
02...	.00	1.3	1.3	211	19.0	21.0	20.0	22.0	15000	20	.09

DATE	PHOSPHORUS, 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)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
OCT , 1980											
02...	.07	1	1	--	10	0	--	0	0	--	50
02...	.06	3	1	--	0	0	--	0	0	--	20
02...	.01	6	5	1	10	10	1	0	0	.13	--

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
OCT , 1980											
02...	50	--	0	5	4	--	400	4	2	--	110
02...	0	--	0	12	2	--	100	3	0	--	80
02...	30	28	0	20	1	21	16000	6	2	20	5800

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)
OCT , 1980										
02...	150	--	.0	.1	--	7	6	--	0	0
02...	30	--	.0	.1	--	3	0	--	0	0
02...	5700	640	.0	.0	.05	6	3	20	0	0

TABLE 4.--WATER-QUALITY DATA, LOWER CALCASIEU RIVER

295836093200700 CALCASIEU RIVER AT MILE 15.0, NEAR HACKBERRY, LA--CONTINUED

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
OCT , 1980										
02...	--	20	20	--	7.0	.00	--	0	--	--
02...	--	30	30	--	6.6	.00	--	0	--	--
02...	0	50	40	65	18	.00	0	1	--	1000

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT , 1980											
02...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
02...	.0	--	.0	--	.000	--	.0	--	.000	--	.000
02...	.0	0	.0	.0	.000	.0	.0	0.0	.000	0.0	.000

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT , 1980											
02...	--	.000	--	.00	--	.000	--	.000	--	.000	--
02...	--	.000	--	.00	--	.000	--	.000	--	.000	--
02...	0.0	.000	.0	.04	.0	.000	.0	.000	.0	.000	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT , 1980										
02...	.00	--	.000	--	.000	--	.000	--	.00	--
02...	.00	--	.000	--	.000	--	.000	--	.00	--
02...	.00	.0	.000	.0	.000	.0	.000	.0	.00	.0

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT , 1980										
02...	.00	--	.00	--	.00	--	.00	--	.00	--
02...	.00	--	.00	--	.00	--	.00	--	.00	--
02...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT , 1980										
02...	.00	--	.0	--	.00	--	.04	.00	.00	.00
02...	.00	--	.0	--	.00	--	.09	.00	.00	.00
02...	.00	.00	.0	.0	.00	.0	.00	.00	.00	.00

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
OCT , 1980		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
02...	0945	% FINER BY WEIGHT	--	--	99.9	99.9	98.0	95.5	89.5	82.0	75.0	65.5	56.0	42.0

HYDROLOGIC DATA--Continued

Part B: Elutriate Data

(Tables 5-12)

TABLE 5.--WATER-QUALITY DATA, MISSISSIPPI RIVER-GULF OUTLET

292731089070500 GULF OF MEXICO 3.5 MILES WEST OF MISSISSIPPI RIVER-GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
10-30-79	1145	32000	8.4	10	<1.0	51	26000	1800	1700	240	290

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
10-30-79	7500	330	120	2	98	1700	12000	32	26	6	.66

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)
10-30-79	.01	.10	.01	42	.60	.60	.70	.61	4810

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
10-30-79	1.4	.16	.07	2	2	0	6	0	0	0	0

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
10-30-79	0	0	.16	20	10	10	9	0	0	0	0

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
10-30-79	4	100	0	0	0	20	30	10	20	570

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
10-30-79	.0	.1	.03	0	2	16	0	0	0	0

TABLE 5.--WATER-QUALITY DATA, MISSISSIPPI RIVER-GULF OUTLET

292731089070500 GULF OF MEXICO 3.5 MILES WEST OF MISSISSIPPI RIVER-GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
10-30-79	10	10	0	40	7.6	.00	1	4	0	0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, DIS-SOLVED (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL (UG/L)
10-30-79	510	--	.00	3	--	.00	.0	--	.00	.0	--	.00
10-30-79	--	.0	--	--	.0	--	--	.00	--	--	.00	--

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)
10-30-79	10	--	.00	.0	--	.00	.0	--	.00	.0	--
10-30-79	--	.00	--	--	.00	--	--	.00	--	--	.01

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION DIS-SOLVED (UG/L)
10-30-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-30-79	--	--	.00	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, DIS-SOLVED (UG/L)
10-30-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-30-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS-SOLVED (UG/L)
10-30-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-30-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 5.--WATER-QUALITY DATA, MISSISSIPPI RIVER-GULF OUTLET

292731089070500 GULF OF MEXICO 3.5 MILES WEST OF MISSISSIPPI RIVER-GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)
10-30-79	.00	.0	--	.00	.0	--	.00	.00	--	.00	.0	--
10-30-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
10-30-79	.00	.0	--	.01	--	.00	--	.00	--	.00	5.61	.000
10-30-79	--	--	.01	--	.00	--	.00	--	.00	--	--	--

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE											
OCT , 1979		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
30...	1145	% FINER BY WEIGHT	--	--	--	--	98.0	84.0	48.5	34.0	27.0	24.5	22.5	20.0

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
10-30-79	1145	510	630	3.9	.00	3.8	3	0	1	16	0

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)
10-30-79	0	690	.1	0	0	20	.00	2	.0	.0	.000	.0

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
10-30-79	.000	.000	.000	.17	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
10-30-79	.00	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	.00

TABLE 6.--WATER-QUALITY DATA, SOUTHWEST PASS

285339089254800 GULF OF MEXICO 400 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 (BHP), NEAR BURRWOOD, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
10-24-79	1200	27900	8.3	10	<1.0	410	32000	3500	3400	220	720	5400

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	
10-24-79	280	136	0	112	1500	9900	30	18	12	.44	.01	

DATE	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, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	
10-24-79	.06	.00	37	.94	.74	1.0	.74	4520	1.5	.09	.06	

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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, SUSPENDED RECOV. (UG/L AS CR)
10-24-79	2	1	1	9	10	0	0	0	1	.17	10	0

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
10-24-79	10	10	0	0	0	0	14	90	0	0	0	20

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
10-24-79	40	0	40	500	.0	.0	.05	0	3	15	0	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
10-24-79	0	1	10	0	10	45	5.0	.00	90	5	0	0

TABLE 6.--WATER-QUALITY DATA, SOUTHWEST PASS

285339089254800 GULF OF MEXICO 400 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 (BHP), NEAR BURRWOOD, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
10-24-79	--	--	.00	26	--	.00	.0	--	.000	.0	--	.0
10-24-79	430	--	--	--	--	--	--	--	--	--	--	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
10-24-79	6	--	.000	6.3	--	.000	2.0	--	.000	.0	--
10-24-79	--	--	--	--	--	--	--	--	--	--	--

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
10-24-79	.00	.0	--	.000	.5	--	.000	.0	--	.00	.0	--
10-24-79	--	--	--	--	--	--	--	--	--	--	--	--

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
10-24-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
10-24-79	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
10-24-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-24-79	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
10-24-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
10-24-79	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 6.--WATER-QUALITY DATA, SOUTHWEST PASS

285339089254800 GULF OF MEXICO 400 YARDS EAST OF SOUTHWEST PASS AT MILE 21.0 (BHP), NEAR BURRWOOD, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
10-24-79	.00	.0	--	.01	--	.00	--	.00	--	.00	2.55	.000
10-24-79	--	--	.01	--	.00	--	.00	--	.00	--	--	--

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
OCT , 1979		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
24...	30	% FINER BY WEIGHT	--	--	--	99.0	98.5	94.5	74.0	55.0	43.0	33.5	29.5	28.5

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, DIS-SOLVED (UG/L AS PB)
10-24-79	1200	530	540	2.2	.30	2.5	3	0	0	12	0	0

DATE	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)	DDD, DIS-SOLVED (UG/L)
10-24-79	2200	.1	3	0	20	0.00	14	.0	.0	.000	.0	.000

DATE	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION DIS-SOLVED (UG/L)	HEPTA-CHLOR-DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)
10-24-79	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
10-24-79	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292738089422800 GRAND BAYOU NEAR PORT SULPHUR, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
7-17-79	1110	10800	7.5	40	<1.0	40	140000	1100	1000	84	210

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
7-17-79	1900	85	80	0	66	450	3600	15	5	10	.00

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)
7-17-79	.02	.10	.10	57	1.2	1.1	1.3	1.2	2980

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
7-17-79	1.3	.07	.03	2	2	1	6	<10	<10	0	<2

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
7-17-79	0	<2	.28	<20	0	<20	10	0	2	0	2

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
7-17-79	12	70	5	5	ND	10	140	140	<10	260	<.1

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
7-17-79	<.1	.04	3	3	ND	10	<1	0	<1	0

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292738089422800 GRAND BAYOU NEAR PORT SULPHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7-17-79	40	10	30	45	12	.00	0	4	0	0

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-17-79	--	--	.00	0	--	.00	.0	--	.000	.0	--	.0
7-17-79	110	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-17-79	3.0	--	.000	.0	--	.000	.9	--	.000	.0	--
7-17-79	--	.000	--	--	.000	--	--	.000	--	--	.06

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292738089422800 GRAND BAYOU NEAR PORT SULPHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
7-17-79	.00	.0	--	.00	--	.00	--	.00	--	.00	27.3	2.60
7-17-79	--	--	.01	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
7-17-79	1110	380	130	1.3	1.4	2.7	--	5	0	1	0	6

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)
7-17-79	0	10	.1	5	0	30	.00	0	.0	.0	.000	.0

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
7-17-79	.000	.000	.000	.07	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
7-17-79	.00	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292842089424100 UNNAMED BAYOU NEAR PORT SULPHUR, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
7-17-79	1045	10400	7.1	50	<1.0	38	400000	1100	990	82	210	1900

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)
7-17-79	82	93	0	76	430	3300	.05	.02	.09	.07	704

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)
7-17-79	1.3	1.1	1.4	1.2	6740	1.5	.07	.04	2	2	1

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)
7-17-79	7	<10	<10	0	<2	0	<2	.75	<20	0	<20	15

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)
7-17-79	0	4	0	4	16	80	3	3	ND	20	210	160

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7-17-79	50	290	<.1	<.1	.02	3	0	3	15	<1	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
7-17-79	<1	0	30	0	30	85	13	.00	0	2	0

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292842089424100 UNNAMED BAYOU NEAR PORT SULPHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-17-79	--	--	.00	0	--	.00	.0	--	.000	.0	--	.0
7-17-79	110	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-17-79	4.0	--	.000	1.6	--	.000	2.4	--	.000	.0	--
7-17-79	--	.000	--	--	.000	--	--	.000	--	--	.07

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292842089424100 UNNAMED BAYOU NEAR PORT SULPHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7-17-79	.00	.0	--	.00	--	.00	--	.00	--	.00	17.4	.000
7-17-79	--	--	.05	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7-17-79	1045	460	150	9.4	1.6	11	12	4	10	0	0	2

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7-17-79	1	80	.2	4	0	40	.01	2	.0	.0	.000	.0

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7-17-79	.000	.000	.000	.10	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7-17-79	.00	.00	.00	.00	.00	.00	.0	.00	.07	.00	.00	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

293000089451000 GRAND BAYOU NEAR HAPPY JACK, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
7-17-79	0950	10000	7.3	50	<1.0	38	65000	1000	940	78	200

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
7-17-79	1700	74	93	0	76	390	3200	20	2	18	.03

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)
7-17-79	.02	.09	.09	37	1.2	1.2	1.3	1.3	1470

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
7-17-79	1.4	.06	.05	2	1	1	7	10	10	0	<2

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
7-17-79	0	<2	.24	<20	10	ND	8	0	5	2	3

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
7-17-79	58	30	4	4	ND	5	130	80	50	450	0.1

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
7-17-79	0.1	.07	3	2	<2	10	<1	0	<1	0

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

293000089451000 GRAND BAYOU NEAR HAPPY JACK, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
7-17-79	20	0	20	43	13	.00	0	1	0.0	0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, DIS-SOLVED (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL (UG/L)
7-17-79	--	--	.00	0	--	.00	.0	--	.000	.0	--	.0
7-17-79	110	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)
7-17-79	2.0	--	.000	.4	--	.000	.0	--	.000	.0	--
7-17-79	--	.000	--	--	.000	--	--	.000	--	--	.38

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION DIS-SOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION DIS-SOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS-SOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

293000089451000 GRAND BAYOU NEAR HAPPY JACK, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
7-17-79	.00	.0	--	.14	--	.00	--	.00	--	.00	8.56	.000
7-17-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
7-17-79	0950	380	120	.84	2.5	3.3	3	10	0	0	4

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)
7-17-79	0	560	.1	1	0	30	.01	4	.0	.0	.000	.0

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
7-17-79	.000	.000	.000	.06	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
7-17-79	.00	.00	.00	.00	.00	.00	.0	.00	.02	.00	.00	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

293059089441900 MARTINS CANAL NEAR HAPPY JACK, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
7-17-79	1020	9570	7.2	50	<1.0	38	260000	980	890	79	190	1700

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
7-17-79	83	105	0	86	380	3200	19	4	15	.00	.02

DATE	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, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
7-17-79	.00	.01	380	1.3	1.2	1.3	1.2	6250	1.3	.08	.13

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
7-17-79	2	1	1	8	10	10	0	ND	0	ND	.88	<20

DATE	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)
7-17-79	0	<20	12	0	30	26	4	31	10	6	6	ND

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)
7-17-79	65	170	170	<10	.1	.0	.03	3	2	<2	15	<1

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
7-17-79	0	<1	0	60	40	20	14	.00	0	2	0

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

293059089441900 MARTINS CANAL NEAR HAPPY JACK, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-17-79	--	--	.00	64	--	.00	.0	--	.000	.0	--	.0
7-17-79	97	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-17-79	79	--	.000	56	--	.000	3.3	--	.000	.0	--
7-17-79	--	.000	--	--	.000	--	--	.000	--	--	.14

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

293059089441900 MARTINS CANAL NEAR HAPPY JACK, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7-17-79	.00	.0	--	.29	--	.00	--	.00	--	.04	44.5	4.29
7-17-79	--	--	.24	--	.00	--	.00	--	.03	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7-17-79	1020	450	150	5.8	5.2	11	--	1	10	0	0	4

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7-17-79	0	30	.1	3	0	30	.01	3	.0	.0	.000	.0

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7-17-78	.000	.000	.000	.04	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE, DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION, DIS-SOLVED (UG/L)	2,4-D DIS-SOLVED (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7-17-79	.00	.00	.00	.00	.00	.00	.0	.00	.10	.00	.00	.01

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292332089395400 BAYOU DES PLANTINS NEAR EMPIRE, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
7-17-79	1145	13500	7.4	30	<1.0	95	350000	1400	1300	110	280

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
7-17-79	2500	99	111	0	91	600	4300	59	39	20	.00

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)
7-17-79	.02	.16	.06	280	2.0	.21	2.2	.27	4900

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
7-17-79	2.2	.10	.03	3	2	1	6	20	0	20	0	ND

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
7-17-79	0	ND	.66	20	10	0	12	0	17	15	2

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
7-17-79	16	20	72	71	2	20	270	260	10	250	.1

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
7-17-79	.1	.04	3	2	2	20	1	0	1	0

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292332089395400 BAYOU DES PLANTINS NEAR EMPIRE, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
7-17-79	40	10	30	47	13	.00	0	0	0	0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, DIS-SOLVED (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL (UG/L)
7-17-79	--	--	.00	0	--	.00	.0	--	.000	.0	--	.0
7-17-79	210	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)
7-17-79	1.0	--	.000	.6	--	.000	.0	--	.000	.0	--
7-17-79	--	.000	--	--	.000	--	--	.000	--	--	.06

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION DIS-SOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION DIS-SOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS-SOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292332089395400 BAYOU DES PLANTINS NEAR EMPIRE, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
7-17-79	.00	.0	--	.02	--	.00	--	.00	--	.00	39.3	.000
7-17-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
7-17-79	1145	520	180	--	--	--	--	2	0	0	0	3

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)
7-17-79	0	80	0.1	2	0	30	.01	9	.0	.0	.000	.0

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
7-17-79	.000	.000	.000	.03	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
7-17-79	.00	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292650089400400 PIPELINE CANAL NEAR PORT SULPHUR, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
7-17-79	1210	13200	7.5	30	<1.0	110	86000	1400	1300	110	270	2400

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
7-17-79	100	105	0	86	570	4100	13	.03	.02	.11	.04

DATE	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)
7-17-79	390	1.1	.83	1.2	.87	5700	1.3	.06	.040	1	1

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
7-17-79	1	8	10	10	0	ND	0	ND	.89	20	10	ND

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
7-17-79	13	0	8	8	ND	20	20	8	8	ND	25	120

DATE	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7-17-79	120	10	360	.2	.2	.03	3	2	2	20	1	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7-17-79	1	0	30	10	20	64	11	.00	0	0	0	0

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292650089400400 PIPELINE CANAL NEAR PORT SULPHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-17-79	--	--	.00	0	--	.00	.0	--	.000	.0	--	.0
7-17-79	210	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-17-79	6.0	--	.000	2.6	--	.000	1.8	--	.000	.0	--
7-17-79	--	.000	--	--	.000	--	--	.000	--	--	.05

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-17-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-17-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-17-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-17-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 7.--WATER-QUALITY DATA, NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LA

292650089400400 PIPELINE CANAL NEAR PORT SULPHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7-17-79	.00	.0	--	.02	--	.00	--	.00	--	.00	25.9	.000
7-17-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7-17-79	1210	510	160	--	--	--	--	5	0	1	0	3

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7-17-79	1	130	0.1	3	0	30	.00	13	.0	.0	.000	.0

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7-17-79	.000	.000	.000	.05	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7-17-79	.000	.00	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00

TABLE 8.--WATER-QUALITY DATA, BARATARIA BAY

291511089551200 GULF OF MEXICO 300 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE -0.9, AT GRAND ISLE, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
10-18-79	1200	38800	8.3	5	<1.0	880	67000	5200	5100	280	1100

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
10-18-79	8300	410	142	0	116	2100	15000	48	28	20	.01

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)
10-18-79	.02	.11	.01	75	.42	.38	.53	.39	7940

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
10-18-79	.56	.03	.01	1	1	0	8	10	0	0	ND

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
10-18-79	0	1	.11	30	20	10	8	0	ND	0	ND

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RFCOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
10-18-79	13	130	15	15	ND	20	50	30	20	490	.0

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
10-18-79	.2	.06	4	2	2	15	0	0	0	1

TABLE 8.--WATER-QUALITY DATA, BARATARIA BAY

291511089551200 GULF OF MEXICO 300 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE -0.9, AT GRAND ISLE, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
10-18-79	30	10	20	43	8.6	.00	130	1	1	0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, DIS-SOLVED (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL (UG/L)
10-18-79	--	--	.00	7	--	.00	.0	--	.000	.0	--	.0
10-18-79	800	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)
10-18-79	.0	--	.000	.8	--	.000	.1	--	.000	.0	--
10-18-79	--	.000	--	--	.000	--	--	.000	--	--	.01

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION DIS-SOLVED (UG/L)
10-18-79	.00	.0	--	.000	.2	--	.000	.0	--	.00	.0	--
10-18-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION DIS-SOLVED (UG/L)
10-18-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
10-18-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS-SOLVED (UG/L)
10-18-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-18-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 8.--WATER-QUALITY DATA, BARATARIA BAY

291511089551200 GULF OF MEXICO 300 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE -0.9, AT GRAND ISLE, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
10-18-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
10-18-79	--	--	.01	--	--	.00	--	--	.0	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
10-18-79	.00	.0	--	.00	--	.00	--	.00	--	.00	6.80	.000
10-18-79	--	--	.02	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)
10-18-79	1200	440	870	4.2	2	0	1	16	0	0

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DISS-, SOLVED (UG/L)	CHLORDANE, DISS-, SOLVED (UG/L)	DDD, DISSOLVED (UG/L)
10-18-79	3000	.0	.0	.0	20	.00	2	.0	.0	.000	.0	.000

DATE	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION DISSOLVED (UG/L)	HEPTACHLOR DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)	METHOXYCHLOR, DISSOLVED (UG/L)
10-18-79	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
10-18-79	.00	.00	.00	.00	.00	.0	.00	.01	.00	.01	.00

TABLE 8.--WATER-QUALITY DATA, BARATARIA BAY

291608089571500 GULF OF MEXICO 900 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE 0.8, AT GRAND ISLE, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
7- 8-81	1000	17700	8.0	5	3.0	<1.0	700	16000	1900	1800	150	380	3100

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
7- 8-81	100	98	790	5800	9	2	7	.03	.04	.27	.22

DATE	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)
7- 8-81	25	1.3	.42	1.60	390	1.7	.06	.01	2	1

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
7- 8-81	1	0	10	0	0	1	0	.04	20	0	20

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
7- 8-81	0	0	4	1	3	5	50	8	3	5	5

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)
7- 8-81	40	20	20	160	.3	.4	.03	2	4	10	0

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7- 8-81	0	0	0	30	31	7.2	.00	0	1	0	0

TABLE 8.--WATER-QUALITY DATA, BARATARIA BAY

291608089571500 GULF OF MEXICO 900 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE 0.8, AT GRAND ISLE, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)
7- 8-81	--	--	<.10	<1	--	<.10	<1.0	--	<.00	<.1	--
7- 8-81	830	<.1	--	--	<.1	--	--	<.00	--	--	<.1

DATE	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7- 8-81	<.1	<1.0	--	<.001	<.1	--	<.001	<.1	--	<.001	<.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	.04

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.001	.1	--	<.001	<.1	--	<.001	<.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	<.01

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.001	<.1	--	<.001	<.1	--	<.001	<.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	<.01

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.01	<.1	--	<.01	<.1	--	<.01	<.1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.01	--	--	<.01

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.01	<.1	--	<.01	<.10	--	<.1	<1.0	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.1	--	--	<.01

TABLE 8.--WATER-QUALITY DATA, BARATARIA BAY

291608089571500 GULF OF MEXICO 900 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE 0.8, AT GRAND ISLE, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7- 8-81	<.01	<.1	--	<.01	--	<.01	--	<.01	--	<.01	22.5	.000
7- 8-81	--	--	<.01	--	<.01	--	<.01	--	<.01	--	--	--

DATE SAMPLE BOTTOM MATERIAL PARTICLE SIZE

JUL , 1981	DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
08... A	% FINER BY WEIGHT	98.0	96.5	96.0	90.5	37.0	8.0	--	--	--	--	--	--
08... B	% FINER BY WEIGHT	--	97.5	96.5	95.0	28.0	2.0	--	--	--	--	--	--
08... C	% FINER BY WEIGHT	--	99.0	97.0	93.5	62.0	6.5	2.0	--	--	--	--	--

ELUTRIATE SAMPLE-A

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7- 8-81	1000	225	720	2.2	1.2	3.4	.08	3	10	1	30	2

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7- 8-81	0	20	.1	2	0	50	.00	4	<.1	<.1	<.001	<.1

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	FNDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7- 8-81	<.001	<.001	<.001	.03	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7- 8-81	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01

TABLE 8.--WATER-QUALITY DATA, BARATARIA BAY

291608089571500 - GULF OF MEXICO 900 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE 0.8, AT GRAND ISLE, LA--CONTINUED

ELUTRIATE SAMPLE-B

DATE	TIME	SETTLEABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	LEAD, DISSOLVED (UG/L AS PB)
7- 8-81	1000	450	780	1.8	.80	2.6	.04	2	10	1	30	1	0

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)	DDD, DISSOLVED (UG/L)
7- 8-81	20	.1	2	0	40	0.00	0	<.1	<.1	<.001	<.1	<.001

DATE	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION DISSOLVED (UG/L)	HEPTACHLOR DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)	METHOXYCHLOR, DISSOLVED (UG/L)
7- 8-81	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01

DATE	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
7- 8-81	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	.01	<.01

ELUTRIATE SAMPLE-C

DATE	TIME	SETTLEABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
7- 8-81	1000	300	500	.52	.98	1.5	.07	2	0	2	30	2

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)
7- 8-81	0	10	.9	3	0	50	.00	0	<.1	<.1	<.001	<.1

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
7- 8-81	<.001	<.001	<.001	.05	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.06

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
7- 8-81	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295808090013200 INDUSTRIAL CANAL, 383 YARDS NNE FROM INDUSTRIAL CANAL LOCK

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
7-13-79	1050	10800	7.5	<1.0	78	38000	1200	1100	100	240	2000	16

DATE	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
7-13-79	115	0	94	540	3500	2	15	.89	.02	.25	.25

DATE	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)
7-13-79	67	.60	.56	.86	.81	1140	1.8	.14	.10	2	1

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
7-13-79	1	9	10	10	0	2	0	2	.61	<20	0	<20

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
7-13-79	20	0	46	43	3	38	10	7	7	ND	140	90

DATE	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7-13-79	10	80	360	.1	.1	.15	4	2	2	20	<1	0

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7-13-79	0	50	10	40	180	4.8	.00	0	1	0	0

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295808090013200 INDUSTRIAL CANAL, 383 YARDS NNE FROM INDUSTRIAL CANAL LOCK--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANF, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-13-79	--	--	.00	190	--	.00	.0	--	.000	.0	--	.0
7-13-79	130	.2	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-13-79	.0	--	.000	24	--	.000	16	--	.000	.0	--
7-13-79	--	.000	--	--	.000	--	--	.000	--	--	.07

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-13-79	.00	.0	--	.000	1.4	--	.000	.0	--	.00	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-13-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295808090013200 INDUSTRIAL CANAL, 383 YARDS NNE FROM INDUSTRIAL CANAL LOCK--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7-13-79	.00	.0	--	.00	--	.00	--	.00	--	.00	1.4	.000
7-13-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7-13-79	1050	500	200	2.2	1.8	4.0	3	10	3	0	2

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7-13-79	0	1100	.3	0	0	20	.00	4	.0	.0	.000	.0

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7-13-79	.000	.000	.000	.13	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)
7-13-79	.00	.00	.00	.00	.00	.00	.00	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295909090011200 INDUSTRIAL CANAL, 1.6 MILES UPSTREAM FROM GATES AT NEW ORLEANS, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
7-13-79	1115	7700	7.6	<1.0	65	68000	820	760	63	160	1300	50

DATE	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
7-13-79	72	0	59	350	2400	6	6	.06	.02	.21	.21

DATE	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)
7-13-79	103	.65	.33	.86	.54	1750	.94	.03	2	<1	2

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)
7-13-79	8	10	10	0	ND	0	ND	1.02	ND	0	ND	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)
7-13-79	0	6	4	2	0	10	9	9	ND	0	110	30

DATE	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)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7-13-79	80	39	.1	.1	.25	3	2	<2	0	<1	0

DATE	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7-13-79	0	20	0	20	0	.0	.00	0	0	0	0

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295909090011200 INDUSTRIAL CANAL, 1.6 MILES UPSTREAM FROM GATES AT NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-13-79	--	--	.00	150	--	.00	.0	--	.000	.0	--	.0
7-13-79	92	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-13-79	30	--	.000	6	--	.000	1.1	--	.000	.0	--
7-13-79	--	.000	--	--	.000	--	--	.000	--	--	.05

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-13-79	.00	.0	--	.000	1.5	--	.000	.0	--	.00	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-13-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295909090011200 INDUSTRIAL CANAL, 1.6 MILES UPSTREAM FROM GATES, AT NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7-13-79	.00	.0	--	.00	--	.00	--	.00	--	.00	2.24	.000
7-13-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7-13-79	1115	520	120	3.9	9.1	13	1	0	0	0	2

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7-13-79	0	810	.1	2	0	20	.00	7	.0	.0	.00	.00

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7-13-79	.000	.000	.000	.09	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)
7-13-79	.00	.00	.00	.00	.00	.00	.00	.00

TABLE 9.--WATER-QUALITY DATA, MISSISSIPPI RIVER-GULF OUTLET

300000089575400 INTRACOASTAL WATERWAY 5.0 MILES EAST OF INDUSTRIAL CANAL LOCK, (AT MILE 62.5), NEAR NEW ORLEANS

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
7-13-79	1145	10000	<7.5	1.0	73	75000	1100	1000	84	210	1800

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
7-13-79	73	77	0	63	460	3400	13	6	7	.06	.02

DATE	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, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)
7-13-79	.21	.21	69	.51	.45	.72	.66	1500	.80

DATE	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)
7-13-79	.30	.12	2	1	1	6	10	10	0	<2	0

DATE	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)
7-13-79	<2	.76	ND	0	ND	7	0	23	20	3	16

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)
7-13-79	10	8	7	<2	40	100	30	70	280	.3

DATE	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
7-13-79	.3	.11	4	3	<2	15	<1	0	<1	0

TABLE 9.--WATER-QUALITY DATA, MISSISSIPPI RIVER-GULF OUTLET

300000089575400 INTRACOASTAL WATERWAY 5.0 MILES EAST OF INDUSTRIAL CANAL LOCK, (AT MILE 62.5), NEAR NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
7-13-79	40	10	30	100	5.6	.00	0	2	0	0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, DIS-SOLVED (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL (UG/L)
7-13-79	--	--	.00	36	--	.00	.0	--	.000	.0	--	.0
7-13-79	120	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)
7-13-79	3.0	--	.000	2.1	--	.000	2.3	--	.000	.0	--
7-13-79	--	.000	--	--	.000	--	--	.000	--	--	.01

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION DIS-SOLVED (UG/L)
7-13-79	.00	.0	--	.000	.3	--	.000	.0	--	.00	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION DIS-SOLVED (UG/L)
7-13-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS-SOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 9.--WATER-QUALITY DATA, MISSISSIPPI RIVER-GULF OUTLET

300000089575400 INTRACOASTAL WATERWAY 5.0 MILES EAST OF INDUSTRIAL CANAL LOCK, (AT MILE 62.5), NEAR NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
7-13-79	.00	.0	--	.00	--	.00	--	.00	--	.00	2.62	.000
7-13-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
7-13-79	1145	510	140	1.9	1.6	3.5	1	0	0	0	2

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DISSOLVED (UG/L)	CHLORDANE, DISSOLVED (UG/L)
7-13-79	3	780	.2	2	0	30	.00	2	.0	.0	.000	.0

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
7-13-79	.000	.000	.000	.06	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)
7-13-79	.00	.00	.00	.00	.00	.00	.0	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

300022089552500 MISSISSIPPI RIVER-GULF OUTLET CANAL AT INTRACOASTAL WATERWAY, (AT MILE 58.5), NEAR NEW ORLEANS, LA

NATIVE SAMPLE

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MA-TERIAL (MG/KG)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
7-13-79	1216	14700	7.4	<1.0	240	180000	1600	1500	120	310	2700

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE FET-FLD (MG/L AS HCO3)	CAR-BONATE FET-FLD (MG/L AS CO3)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, NON-VOLA-TILE, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
7-13-79	110	87	0	71	700	5000	14	2	12	.06	.04

DATE	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, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	NITRO-GEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO-GEN, TOTAL (MG/L AS N)
7-13-79	.23	.19	73	.55	.49	.78	.68	4600	.88

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS-PENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD)
7-13-79	.14	.09	2	1	1	10	10	10	0	ND	0

DATE	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, SUS-PENDED RECOV. (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)
7-13-79	ND	.32	<20	10	ND	11	0	150	150	<2	18

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
7-13-79	20	10	9	<2	15	80	60	20	270	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, SUS-PENDED RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, SUS-PENDED TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)
7-13-79	.1	.02	8	7	<2	20	<1	0	<1	0

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

300022089552500 MISSISSIPPI RIVER-GULF OUTLET CANAL AT INTRACOASTAL WATERWAY, (AT MILE 58.5), NEAR NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
7-13-79	110	80	30	53	5.6	.00	0	6	0	0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, DIS-SOLVED (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)	CHLOR-DANE, TOTAL (UG/L)
7-13-79	--	--	.00	11	--	.00	.0	--	.000	.0	--	.0
7-13-79	240	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)
7-13-79	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION DIS-SOLVED (UG/L)
7-13-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TFRIAL (UG/KG)	MALA-THION DIS-SOLVED (UG/L)
7-13-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS-SOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

300022089552500 MISSISSIPPI RIVER-GULF OUTLET CANAL AT INTRACOASTAL WATERWAY, (AT MILE 58.5), NEAR NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
7-13-79	.00	.0	--	.00	--	.00	--	.00	--	.00	4.05	.000
7-13-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
7-13-79	1216	750	160	1.8	1.8	3.6	8	0	0	10	0

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)
7-13-79	0	460	.1	0	1	30	.00	3	.0	.0	.000	.0

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
7-13-79	.000	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)
7-13-79	.00	.00	.00	.00	.00	.00	.0	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295721089512700 MISSISSIPPI RIVER-GULF OUTLET CANAL, (AT MILE 54.5), NEAR NEW ORLEANS, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
7-13-79	1247	15300	7.4	<1.0	100	180000	1700	1600	120	330	2900	6.8

DATE	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
7-13-79	89	0	73	110	4900	0	11	.06	.02	.20	.19

DATE	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)
7-13-79	130	.60	.49	.80	.68	3300	.88	.09	.09	1	0

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)
7-13-79	1	5	<10	<10	0	<2	0	<2	.27	<20	0	<20

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
7-13-79	4	0	39	37	2	6	20	8	7	<2	10

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)
7-13-79	70	50	20	250	.2	.2	.07	5	4	<2	0

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)
7-13-79	<1	0	0	50	20	30	69	5.8	.00	0	1

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295721089512700 MISSISSIPPI RIVER-GULF OUTLET CANAL, (AT MILE 54.5), NEAR NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-13-79	--	--	.00	0	--	.00	.0	--	.000	.0	--	.0
7-13-79	240	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-13-79	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-13-79	.00	.0	--	.000	.7	--	.000	.0	--	.00	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-13-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295721089512700 MISSISSIPPI RIVER-GULF OUTLET CANAL, (AT MILE 54.5), NEAR NEW ORLEANS, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7-13-79	.00	.0	--	.00	--	.00	--	.00	--	.00	4.89	.000
7-13-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7-13-79	1247	420	210	4.0	12	16	2	0	0	10	1

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7-13-79	0	3100	.2	1	0	30	.00	3	.0	.0	.000	.0

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7-13-79	.000	.000	.000	.03	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)
7-13-79	.00	.00	.00	.00	.00	.00	.0	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295741090014200 INDUSTRIAL CANAL, 383 YARDS RIVER SIDE OF INDUSTRIAL CANAL LOCK

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
7-13-79	0937	862	7.5	<1.0	12	37000	210	100	46	22	100	5.6

DATE	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
7-13-79	127	0	104	73	190	35	16	19	1.6	.02	.07

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
7-13-79	.07	110	.49	.51	.56	.58	1250	2.2	.21	.10	2

DATE	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)
7-13-79	1	1	9	1	1	0	<2	0	<2	.35	<20	10

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
7-13-79	ND	13	0	5	3	2	15	<10	5	5	ND	20

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7-13-79	60	50	7	.1	.1	.08	3	3	ND	20	1	1

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7-13-79	<1	0	20	20	3	4.0	.00	0	5	0	0

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295741090014200 INDUSTRIAL CANAL, 383 YARDS RIVER SIDE OF INDUSTRIAL CANAL LOCK--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7-13-79	--	--	.00	40	--	.00	.0	--	.000	.0	--	.0
7-13-79	13	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7-13-79	10	--	.000	6.7	--	.000	1.4	--	.000	.0	--
7-13-79	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7-13-79	.01	.0	--	.002	1.6	--	.000	.0	--	.00	.0	--
7-13-79	--	--	.006	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANF TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7-13-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
7-13-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7-13-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
7-13-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 9.--WATER-QUALITY DATA, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET

295741090014200 INDUSTRIAL CANAL LOCK, 383 YARDS RIVER SIDE OF INDUSTRIAL CANAL LOCK--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7-13-79	.00	.0	--	.00	--	.00	--	.00	--	.00	4.62	.000
7-13-79	--	--	.00	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7-13-79	0937	380	63	1.8	2.8	4.6	8	10	0	0	6

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANF, DIS-, SOLVED (UG/L)
7-13-79	0	4200	.6	3	1	20	2	.0	.0	.00	.0

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7-13-79	.000	.000	.000	.17	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)
7-13-79	.00	.00	.00	.00	.00	.00	.00	.00

TABLE 10.--WATER-QUALITY DATA, EUGENE ISLAND, ATCHAFALAYA BAY

292119091235200 GULF OF MEXICO IN ATCHAFALAYA BAY, 1.5 MILES SOUTHWEST OF EUGENE ISLAND, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
10-25-79	0930	3120	8.1	15	<1.0	600	47000	460	350	59	76

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
10-25-79	500	25	131	0	107	190	860	14	14	0	.00

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)
10-25-79	.01	.04	.03	39	.45	.34	.49	.37	6350

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, SUSPENDED RECOV. (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
10-25-79	.49	.04	.01	3	2	1	10	0	0	0	0	0

DATE	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
10-25-79	0	0	.09	10	10	0	9	0	2	1	1

DATE	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
10-25-79	13	20	4	4	0	15	80	80	0	450

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
10-25-79	.0	.0	.05	2	4	15	0	0	0	1

TABLE 10.--WATER-QUALITY DATA, EUGENE ISLAND, ATCHAFALAYA BAY

292119091235200 GULF OF MEXICO IN ATCHAFALAYA BAY, 1.5 MILES SOUTHWEST OF EUGENE ISLAND, LA--CONTINUED

NATIVE SAMPLE

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT-TOM MA-TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI-METRIC (MG/KG)
10-25-79	10	10	0	50	3.0	.00	1	2	0	0

DATE	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	PCB, DIS-SOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, DIS-SOLVED (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, DIS-SOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, DIS-SOLVED (UG/L)
10-25-79	--	--	.00	6	--	.00	.0	--	.00	.0	--
10-25-79	46	.0	--	--	.0	--	--	.00	--	--	.0

DATE	CHLOR-DANE, TOTAL (UG/L)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, DIS-SOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, DIS-SOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, DIS-SOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, DIS-SOLVED (UG/L)
10-25-79	.0	1.0	--	.000	1.4	--	.000	.3	--	.000	.0	--
10-25-79	--	--	.000	--	--	.000	--	--	.000	--	--	.02

DATE	DI-AZINON, TOTAL (UG/L)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN DIS-SOLVED (UG/L)	DI-ELDRIN TOTAL (UG/L)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, DIS-SOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION DIS-SOLVED (UG/L)
10-25-79	.00	.0	--	.00	.3	--	.00	.0	--	.00	.0	--
10-25-79	--	--	.00	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DIS-SOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION DIS-SOLVED (UG/L)
10-25-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-25-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MALA-THION, TOTAL (UG/L)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DIS-SOLVED (UG/L)
10-25-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-25-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

TABLE 10.--WATER-QUALITY DATA, EUGENE ISLAND, ATCHAFALAYA BAY

292119091235200 GULF OF MEXICO IN ATCHAFALAYA BAY, 1.5 MILES SOUTHWEST OF EUGENE ISLAND, LA--CONTINUED

NATIVE SAMPLE

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
10-25-79	.00	.0	--	.00	.0	.00	.00	--	.00	.0	.00	--
10-25-79	--	--	.00	--	--	--	--	.00	.00	--	--	.00

DATE	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, DISSOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DISSOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DISSOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DISSOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
10-25-79	.00	.0	--	.05	--	.00	--	.01	--	.00	10.3	.000
10-25-79	--	--	.03	--	.00	--	.00	--	.00	--	--	--

ELUTRIATE SAMPLE

DATE	TIME	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND CHEMICAL HIGH LEVEL (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)
10-25-79	0930	500	23	2.3	.50	2.8	--	3	0	0	4	1

DATE	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, DISSOLVED (UG/L AS ZN)	CYANIDE DISSOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DISSOLVED (UG/L)	PCN, DISSOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLORDANE, DIS-, SOLVED (UG/L)
10-25-79	0	1200	.0	13	0	10	.00	3	.1	.0	.000	.0

DATE	DDD, DISSOLVED (UG/L)	DDE, DISSOLVED (UG/L)	DDT, DISSOLVED (UG/L)	DIAZINON, DISSOLVED (UG/L)	DIELDRIN DISSOLVED (UG/L)	ENDOSULFAN, DISSOLVED (UG/L)	ENDRIN, DISSOLVED (UG/L)	ETHION, DISSOLVED (UG/L)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	LINDANE DISSOLVED (UG/L)	MALATHION, DISSOLVED (UG/L)
10-25-79	.000	.000	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METHOXYCHLOR, DISSOLVED (UG/L)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL TRITHION, DISSOLVED (UG/L)	MIREX, DISSOLVED (UG/L)	PARATHION, DISSOLVED (UG/L)	PERTHANE DISSOLVED (UG/L)	TOXAPHENE, DISSOLVED (UG/L)	TRITHION DISSOLVED (UG/L)	2,4-D, DISSOLVED (UG/L)	2, 4-DP DISSOLVED (UG/L)	2,4,5-T DISSOLVED (UG/L)	SILVEX, DISSOLVED (UG/L)
10-25-79	.00	.00	.00	.00	.00	.00	.0	.00	.01	.00	.00	.00

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295000092180000 GULF INTRACOASTAL WATERWAY AT FORKED ISLAND, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
7- 8-81	0945	185	6.9	60	80	<1.0	41	20000	34	0	7.9	3.5

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)
7- 8-81	22	2.5	29	2.0	30	79	53	26	.03	.29	20

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)
7- 8-81	1.2	1.6	1.5	531	.24	.13	2	0	2	0

DATE	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
7- 8-81	0	<1	1	0	<1	.08	20	20	0	0	0

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
7- 8-81	3	4	5	240	0	1	10	110	60	50

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7- 8-81	230	.2	.3	.04	4	1	3	10	0	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7- 8-81	0	0	20	14	2.1	.00	0	0	0	0

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295000092180000 GULF INTRACOASTAL WATERWAY AT FORKED ISLAND, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7- 8-81	--	--	<.1	<1	--	<.1	<1	--	<.001	<0.1	--	<.1
7- 8-81	39	<.1	--	--	<0.1	--	--	<.001	--	--	<0.1	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7- 8-81	1.0	--	<.001	0.7	--	<.001	<0.1	--	<.001	<0.1	--
7- 8-81	--	<.001	--	--	<.001	--	--	<.001	--	--	.07

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	.004	.5	--	<.001	<0.1	--	<.001	<0.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	<.01

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7- 8-81	<.01	<0.1	--	<.001	<0.1	--	<.001	<0.1	--	<.001	<.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	<.01

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7- 8-81	.01	<0.1	--	<.01	<0.1	--	.01	<0.1	--	<.01	<0.1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.01	--	--	<.01

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.01	<.1	--	<.01	<.1	--	<.1	<1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.1	--	--	<.01

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295000092180000 GULF INTRACOASTAL WATERWAY AT FORKED ISLAND, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7- 8-81	<.01	<.1	--	.14	--	<.01	--	.01	--	<.01	3.72	.000
7- 8-81	--	--	.28	--	<.01	--	.01	--	<.01	--	--	--

DATE	TIME		BOTTOM MATERIAL PARTICLE SIZE										
JUL , 1981		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
08...	0945	% FINER BY WEIGHT	--	--	--	99.9	94.5	83.0	62.0	41.5	33.0	25.0	21.5	19.5

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7- 8-81	0945	440	130	.94	1.9	--	.09	2	0	1	0	10

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7- 8-81	4	60	.3	7	0	20	.00	0	<.1	<.1	<.001	<.1

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7- 8-81	<.001	<.001	<.001	.03	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7- 8-81	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	.26	<.01	.01	<.01

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295324092262400 GULF INTRACOASTAL WATERWAY WEST OF FORKED ISLAND, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
7- 8-81	1040	185	6.8	70	80	<1.0	40	28000	31	10	6.4	3.6

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)
7- 8-81	22	2.3	21	9.8	35	120	88	32	.01	.23	19

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)
7- 8-81	1.2	1.5	1.4	638	.13	.07	2	0	2	0

DATE	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
7- 8-81	0	<1	0	0	<1	.05	10	0	10	0	0	1

DATE	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)
7- 8-81	3	5	180	0	0	0	10	80	60	20	300

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)
7- 8-81	.2	.3	.03	3	2	1	10	0	0	0	0

DATE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASF, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7- 8-81	10	0	10	9	9.0	.00	0	1	0	0

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295324092262400 GULF INTRACOASTAL WATERWAY WEST OF FORKED ISLAND, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7- 8-81	--	--	<.1	<1	--	<.1	<1	--	<.001	<0.2	--	<.1
7- 8-81	35	<.1	--	--	<0.1	--	--	<.001	--	--	<.1	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7- 8-81	<1.0	--	<.001	<0.1	--	<.001	<0.1	--	<.001	<0.1	--
7- 8-81	--	<.001	--	--	<.001	--	--	<.001	--	--	.01

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	.010	.7	--	<.001	<0.1	--	<.001	<0.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	<.01

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7- 8-81	<.01	<0.1	--	<.001	<0.1	--	<.001	<0.1	--	<.001	<.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	.01

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7- 8-81	.01	<0.1	--	<.01	<0.1	--	<.01	<0.1	--	<.01	<0.1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.01	--	--	<.01

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.01	<.1	--	<.01	<.1	--	<.1	<1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.1	--	--	<.01

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295324092262400 GULF INTRACOASTAL WATERWAY WEST OF FORKED ISLAND, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7- 8-81	<.01	<.1	--	.03	--	<.01	--	<.01	--	<.01	4.11	.000
7- 8-81	--	--	.03	--	<.01	--	<.01	--	<.01	--	--	--

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
JUL , 1981		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
08...	1040	% FINER BY WEIGHT	--	--	--	--	96.5	79.5	43.5	33.0	28.0	24.5	22.5	21.0

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7- 8-81	1040	370	94	1.0	1.7	2.7	.05	1	0	1	10	10

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7- 8-81	3	10	.0	3	0	30	.00	0	<.1	<.1	<.001	<.1

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7- 8-81	<.001	<.001	<.001	.04	.001	<.001	<.001	<.01	<.001	<.001	<.001	.01

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7- 8-81	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	.07	<.01	.01	<.01

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295500092362700 GULF INTRACOASTAL WATERWAY NEAR GUEYDAN, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
7- 8-81	1135	212	6.8	60	50	<1.0	31	54000	35	14	7.5	3.9

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NON-VOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
7- 8-81	26	2.5	21	8.8	42	59	34	25	.75	.01

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
7- 8-81	.23	46	1.2	1.4	1.4	1050	2.2	.15	.08	2

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)
7- 8-81	1	0	0	1	0	0	<1	.09	10	0	10	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
7- 8-81	0	1	4	8	220	0	1	10	50	40	10

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7- 8-81	280	.2	.2	.05	3	1	2	10	0	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7- 8-81	0	0	20	17	11	.00	0	0	0	0

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295500092362700 GULF INTRACOASTAL WATERWAY NEAR GUEYDAN, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7- 8-81	--	--	<.1	<1	--	<.1	<1	--	<.001	<0.1	--	<.1
7- 8-81	36	<.1	--	--	<0.1	--	--	<.001	--	--	<0.1	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7- 8-81	3	--	<.001	2.0	--	<.001	0.3	--	<.001	<0.1	--
7- 8-81	--	<.001	--	--	<.001	--	--	<.001	--	--	.04

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	FNDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	.007	.2	--	<.001	<0.1	--	<.001	<0.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	<.01

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7- 8-81	<.01	<0.1	--	<.001	<0.1	--	<.001	<0.1	--	<.001	<.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	.02

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7- 8-81	.03	<0.1	--	<.01	<0.1	--	<.01	<0.1	--	<.01	<0.1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.01	--	--	<.01

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.01	<.1	--	<.01	<.1	--	<.1	<1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.1	--	--	<.01

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295500092362700 GULF INTRACOASTAL WATERWAY NEAR GUEYDAN, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7- 8-81	<.01	<.1	--	.02	--	<.01	--	<.01	--	<.01	4.30	.000
7- 8-81	--	--	.05	--	<.01	--	<.01	--	<.01	--	--	--

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
JUL , 1981		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
08...	1135	% FINER BY WEIGHT	--	--	--	99.9	96.0	88.5	65.0	44.0	33.5	26.5	23.0	22.0

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7- 8-81	1135	375	100	1.9	1.0	2.9	.09	2	0	1	10	5

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENPLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7- 8-81	3	530	.0	2	0	40	.00	0	<.1	<.1	<.001	<.1

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7- 8-81	<.001	<.001	<.001	.06	<.001	<.001	<.001	<.01	<.001	<.001	<.001	.08

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7- 8-81	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	.15	<.01	<.01	<.01

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295751092453900 GULF INTRACOASTAL WATERWAY, AT MILE 200, NEAR LAKE ARTHUR, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
7- 8-81	1230	190	7.2	50	30	<1.0	39	5200	40	0	9.9	3.6

DATE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
7- 8-81	21	2.5	46	6.4	26	32	15	17	.30	.02

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
7- 8-81	.23	10	.77	1.3	1.0	128	1.6	.34	.19	4

DATE	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)
7- 8-81	1	3	0	0	<1	0	0	<1	.03	10	0	0

DATE	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
7- 8-81	0	0	4	2	560	0	1	10	110	60	50

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
7- 8-81	320	.2	.3	.02	5	3	2	10	0	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
7- 8-81	0	0	20	5	9.1	.00	0	1	0	0

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295751092453900 GULF INTRACOASTAL WATERWAY, AT MILE 200, NEAR LAKE ARTHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
7- 8-81	--	--	<.1	<1	--	<.1	<1	--	<.001	<0.1	--	<.1
7- 8-81	41	<.1	--	--	<0.1	--	--	<.001	--	--	<0.1	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
7- 8-81	<1	--	<.001	<.1	--	<.001	<.1	--	<.001	<0.1	--
7- 8-81	--	<.001	--	--	<.001	--	--	<.001	--	--	.04

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.001	<.1	--	<.001	<0.1	--	<.001	<0.1	--
7- 8-81	--	--	.001	--	--	<.001	--	--	<.001	--	--	<.01

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
7- 8-81	<.01	<0.1	--	<.001	<0.1	--	<.001	<0.1	--	<.001	<.1	--
7- 8-81	--	--	<.001	--	--	<.001	--	--	<.001	--	--	.01

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
7- 8-81	.11	0.1	--	.01	.1	--	.01	0.1	--	.01	0.1	--
7- 8-81	--	--	.01	--	--	.01	--	--	.01	--	--	.01

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
7- 8-81	<.01	<.1	--	<.01	<.1	--	<.01	<.1	--	<.1	<1	--
7- 8-81	--	--	<.01	--	--	<.01	--	--	<.1	--	--	<.01

TABLE 11.--WATER-QUALITY DATA, GULF INTRACOASTAL WATERWAY

295751092453900 GULF INTRACOASTAL WATERWAY, AT MILE 200, NEAR LAKE ARTHUR, LA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
7- 8-81	<.01	<.1	--	--	--	--	--	--	--	--	3.60	.000
7- 8-81	--	--	.13	--	<.01	--	.02	--	<.01	--	--	--

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
JUL , 1981		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
08...	1230	% FINER BY WEIGHT	--	99.9	99.8	96.0	79.5	34.0	17.5	14.0	12.5	11.5	11.0	11.0

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
7- 8-81	1230	900	43	.57	1.0	--	.03	1	0	0	0	9

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
7- 8-81	1	160	.2	1	0	20	.00	4	<.1	<.1	<.001	<.1

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
7- 8-81	<.001	<.001	<.001	.05	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
7- 8-81	<.01	<.01	<.01	<.01	<.01	<.01	<.1	<.01	.14	<.01	.02	.01

TABLE 12.--WATER-QUALITY DATA, CALCASIEU SHIP CHANNEL, GULF SECTION

293512093174200 GULF OF MEXICO 300 YARDS SOUTHEAST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA

NATIVE SAMPLE

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
10-18-79	1024	41800	8.2	5	<1.0	750	14000	5300	5100	290	1100	8400

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE FET-FLD (MG/L AS HCO3)	CARBONATE FET-FLD (MG/L AS CO3)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, NONVOLATILE, SUSPENDED (MG/L)	SOLIDS, VOLATILE, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
10-18-79	450	140	0	115	2400	16000	68	32	36	.00	.01

DATE	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, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L 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)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
10-18-79	.08	.08	20	.32	.27	.40	.35	2600	.40	.03	.02

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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, SUSPENDED RECOV. (UG/L AS CR)
10-18-79	2	1	1	0	10	10	0	0	1	.02	30	20

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
10-18-79	10	4	0	1	1	0	3	140	24	24	0	0

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
10-18-79	40	10	30	190	.0	.1	.01	2	4	0	0	0

DATE	SELENIUM, DISSOLVED (UG/L AS SE)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)
10-18-79	0	0	40	20	20	10	2.5	.00	0	2	0	0

TABLE 12.--WATER-QUALITY DATA, CALCASIEU SHIP CHANNEL, GULF SECTION

293512093174200 GULF OF MEXICO 300 YARDS SOUTHEAST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, LA--CONTINUED

NATIVE SAMPLE

DATE	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PCB, DISSOLVED (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, DISSOLVED (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, DISSOLVED (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, DISSOLVED (UG/L)	CHLORDANE, TOTAL (UG/L)
10-18-79	--	--	.00	3	--	.00	.0	--	.000	.0	--	.0
10-18-79	1200	.0	--	--	.0	--	--	.000	--	--	.0	--

DATE	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, DISSOLVED (UG/L)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, DISSOLVED (UG/L)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, DISSOLVED (UG/L)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, DISSOLVED (UG/L)
10-18-79	.0	--	.000	.2	--	.000	.2	--	.000	.0	--
10-18-79	--	.000	--	--	.000	--	--	.000	--	--	.04

DATE	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN DISSOLVED (UG/L)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, DISSOLVED (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, DISSOLVED (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION DISSOLVED (UG/L)
10-18-79	.00	.0	--	.000	.0	--	.000	.0	--	.00	.0	--
10-18-79	--	--	.000	--	--	.000	--	--	.00	--	--	.00

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, DISSOLVED (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE DISSOLVED (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE DISSOLVED (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION DISSOLVED (UG/L)
10-18-79	.00	.0	--	.000	.0	--	.000	.0	--	.000	.0	--
10-18-79	--	--	.000	--	--	.000	--	--	.000	--	--	.00

DATE	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, DISSOLVED (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, DISSOLVED (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, DISSOLVED (UG/L)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, DISSOLVED (UG/L)
10-18-79	.00	.0	--	.00	.0	--	.00	.0	--	.00	.0	--
10-18-79	--	--	.00	--	--	.00	--	--	.00	--	--	.00

DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, DISSOLVED (UG/L)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE, DISSOLVED (UG/L)	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, DISSOLVED (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, DISSOLVED (UG/L)
10-18-79	.00	.0	--	.00	.0	--	.00	.00	--	.0	.0	--
10-18-79	--	--	.00	--	--	.00	--	--	.0	--	--	.00

TABLE 12.--WATER-QUALITY DATA, CALCASIEU SHIP CHANNEL, GULF SECTION

293512093174200 GULF OF MEXICO 300 YARDS SOUTHEAST OF CALCASIEU SHIP CHANNEL AT MILE -12.0, NEAR CAMERON, IA--CONTINUED

NATIVE SAMPLE

DATE	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, DIS-SOLVED (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP DIS-SOLVED (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, DIS-SOLVED (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
10-18-79	.00	.0	--	1.3	--	.00	--	.04	--	.00	2.29	.000
10-18-79	--	--	1.0	--	.00	--	.03	--	.00	--	--	--

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
OCT , 1979		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
18...	1024	% FINER BY WEIGHT	99.0	98.0	97.0	96.0	93.0	73.0	57.0	45.0	36.0	27.0	24.5	23.5

ELUTRIATE SAMPLE

DATE	TIME	SETTLE-ABLE MATTER (ML/L/ HR)	OXYGEN DEMAND CHEM-ICAL HIGH LEVEL (MG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)
10-18-79	1024	610	800	1.3	.50	1.8	5	0	1	20	0

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CYANIDE DIS-SOLVED (MG/L AS CN)	PHENOLS (UG/L)	PCB, DIS-SOLVED (UG/L)	PCN, DIS-SOLVED (UG/L)	ALDRIN DIS-, SOLVED (UG/L)	CHLOR-DANE, DIS-, SOLVED (UG/L)
10-18-79	.0	540	.1	0	0	20	.00	4	.0	.0	.000	.0

DATE	DDD, DIS-SOLVED (UG/L)	DDE, DIS-SOLVED (UG/L)	DDT, DIS-SOLVED (UG/L)	DI-AZINON, DIS-SOLVED (UG/L)	DI-ELDRIN DIS-SOLVED (UG/L)	ENDO-SULFAN, DIS-SOLVED (UG/L)	ENDRIN, DIS-SOLVED (UG/L)	ETHION, DIS-SOLVED (UG/L)	HEPTA-CHLOR, DIS-SOLVED (UG/L)	HEPTA-CHLOR EPOXIDE DIS-SOLVED (UG/L)	LINDANE DIS-SOLVED (UG/L)	MALA-THION, DIS-SOLVED (UG/L)
10-18-79	.000	.000	.000	.04	.000	.000	.000	.00	.000	.000	.000	.00

DATE	METH-OXY-CHLOR, DIS-SOLVED (UG/L)	METHYL PARA-THION, DIS-SOLVED (UG/L)	METHYL TRI-THION, DIS-SOLVED (UG/L)	MIREX, DIS-SOLVED (UG/L)	PARA-THION, DIS-SOLVED (UG/L)	PER-THANE DIS-SOLVED (UG/L)	TOX-APHENE, DIS-SOLVED (UG/L)	TRI-THION DIS-SOLVED (UG/L)	2,4-D, DIS-SOLVED (UG/L)	2, 4-DP DIS-SOLVED (UG/L)	2,4,5-T DIS-SOLVED (UG/L)	SILVEX, DIS-SOLVED (UG/L)
10-18-79	.00	.00	.00	.00	.00	.00	.0	.00	.90	.00	.02	.01

HYDROLOGIC DATA--Continued

Part C: Data For Proposed Ocean-Disposal Areas

(Tables 13-16)

TABLE 13.--WATER-QUALITY DATA, MISSISSIPPI RIVER-GULF OUTLET

292730089070500 GULF OF MEXICO 3.5 MILES WEST OF MISSISSIPPI RIVER-GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
10-30-79	1215	5600	25000	14	1590	4	0	.01	0	1	0

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-30-79	46	.01	2	0	3	0	0	0	.0	.0	.0

DATE	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)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
10-30-79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-30-79	.0	.0	.0	.0	.0	.0	.0	.00	.0	.0

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
OCT , 1979		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
30...	1215	% FINER BY WEIGHT	--	--	99.0	96.0	81.0	11.5	--	--	--	--	--	--

TABLE 14.--WATER-QUALITY DATA, SOUTHWEST PASS

285338089254800 GULF OF MEXICO 400 YARDS EAST OF SOUTHWEST PASS, AT MILE 21.0(BHP), NEAR BURRWOOD, LA

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
10-24-79	1230	46000	81500	42	7090	11	0	.17	12	16	25

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-24-79	480	.04	18	1	53	58	0	21	.0	.0	9.0

DATE	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)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
10-24-79	6.8	1.9	.0	.0	1.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-24-79	.0	.0	.0	.0	.0	.0	.0	.00	.0	.0

BOTTOM MATERIAL PARTICLE SIZE

DATE	TIME	DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
OCT , 1979														
24...	1230	% FINER BY WEIGHT	--	--	--	99.9	98.0	93.0	69.5	51.5	42.0	35.0	31.5	27.0

TABLE 15.--WATER-QUALITY DATA,, BARATARIA BAY

291512089551200 GULF OF MEXICO 300 YARDS WEST OF BARATARIA BAY WATERWAY, AT MILE -0.9, NEAR GRAND ISLE, LA

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
10-18-79	1230	2900	10000	2.8	820	3	0	<.01	2	0	0

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-18-79	100	.00	5	0	10	0	0	0	.0	.0	.0

DATE	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)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
10-18-79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-18-79	.0	.0	.0	.0	.0	.0	.0	.00	.0	.0

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
OCT , 1979		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
18...	1230	% FINER BY WEIGHT	--	--	99.5	96.0	40.0	2.0	--	--	--	--	--	--

TABLE 16.--WATER-QUALITY DATA, EUGENE ISLAND, ATCHAFALAYA BAY

292119091235300 GULF OF MEXICO IN ATCHAFALAYA BAY, 1.5 MILES SOUTHWEST OF EUGUENE ISLAND, LA

DATE	TIME	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	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)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)
10-25-79	1000	8100	2000	3.4	1710	6	0	.10	3	3	5

DATE	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI)	SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN)	OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-25-79	150	.01	10	0	17	0	0	3	.0	.0	.0

DATE	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)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
10-25-79	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
10-25-79	.0	.0	.0	.0	.0	.0	.0	.00	.0	.0

DATE	TIME	BOTTOM MATERIAL PARTICLE SIZE											
OCT , 1979		DIAMETER (MM)	2.00	1.00	0.50	0.25	0.125	0.062	0.031	0.016	0.008	0.004	0.002	0.001
25...	1000	% FINER BY WEIGHT	--	99.5	99.0	99.0	32.0	16.5	13.5	11.5	10.5	10.0	-9.5	-9.0

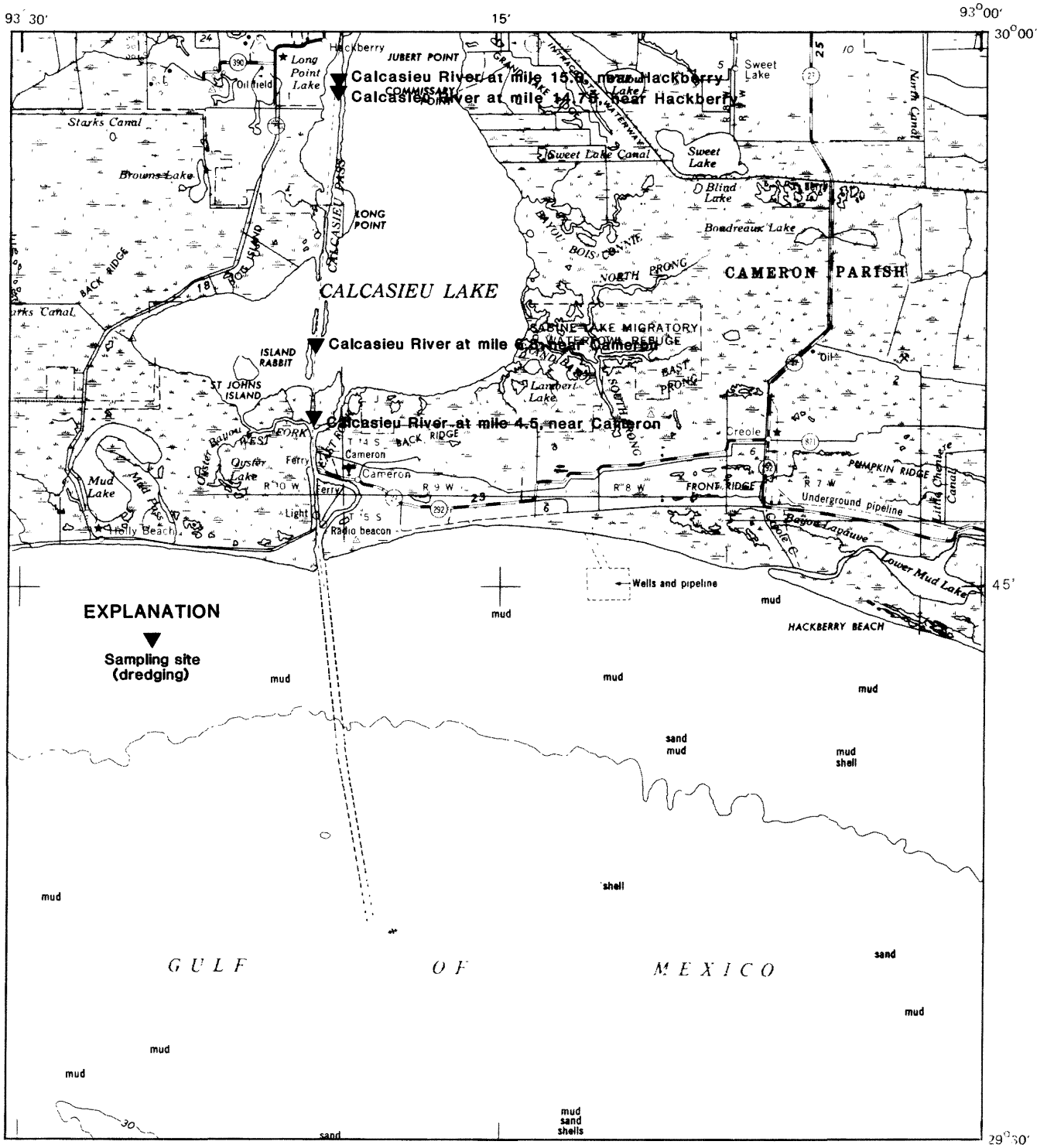

PLATE 2. MAP SHOWING LOCATION OF SAMPLING SITES ALONG THE LOWER CALCASIEU RIVER, LOUISIANA.

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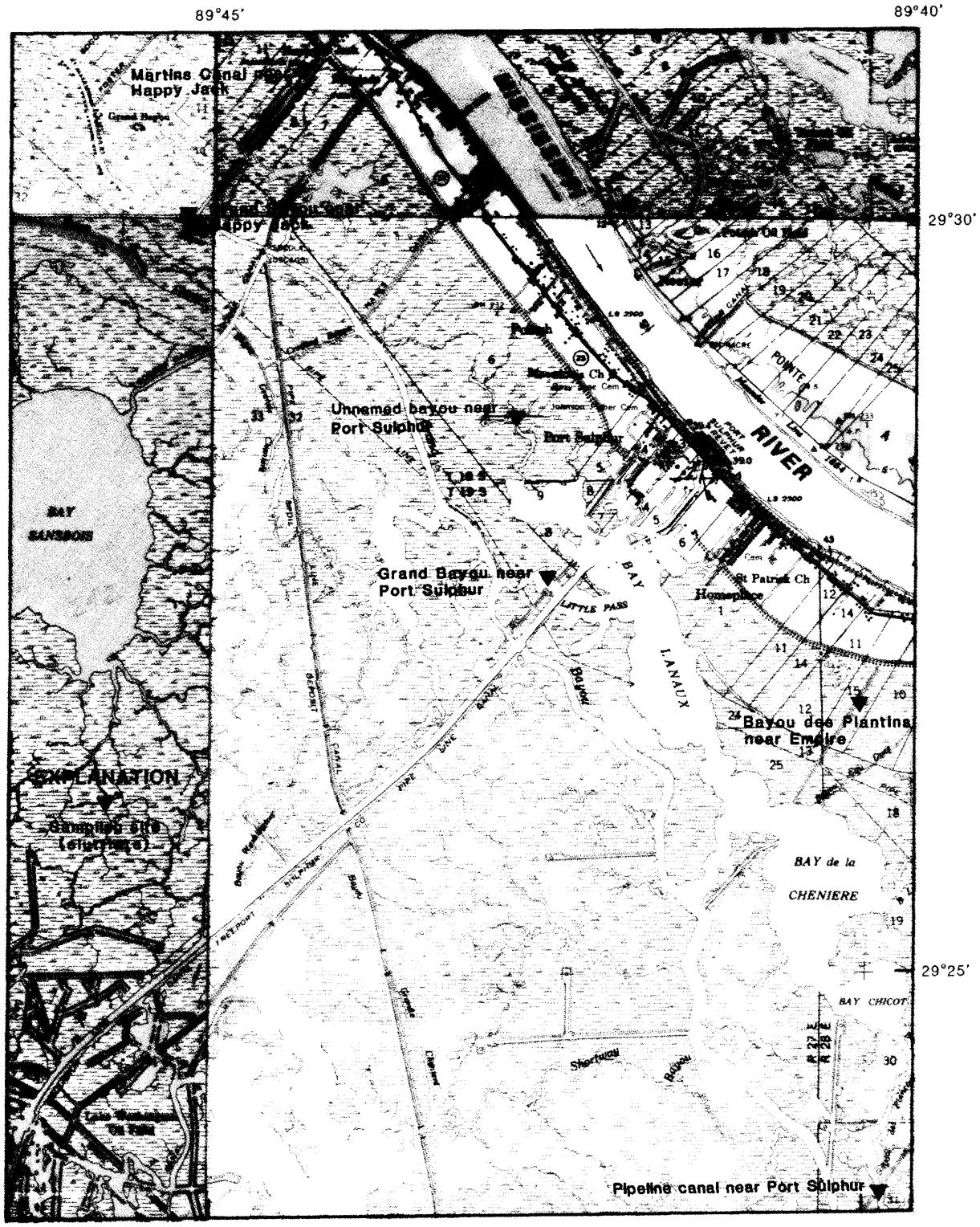


Base from U.S. Geological Survey
Black Bay, 1964; Empire, 1960; Fort Livingston, 1961; and Pointe a la Hache, 1962

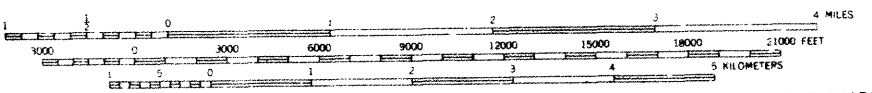
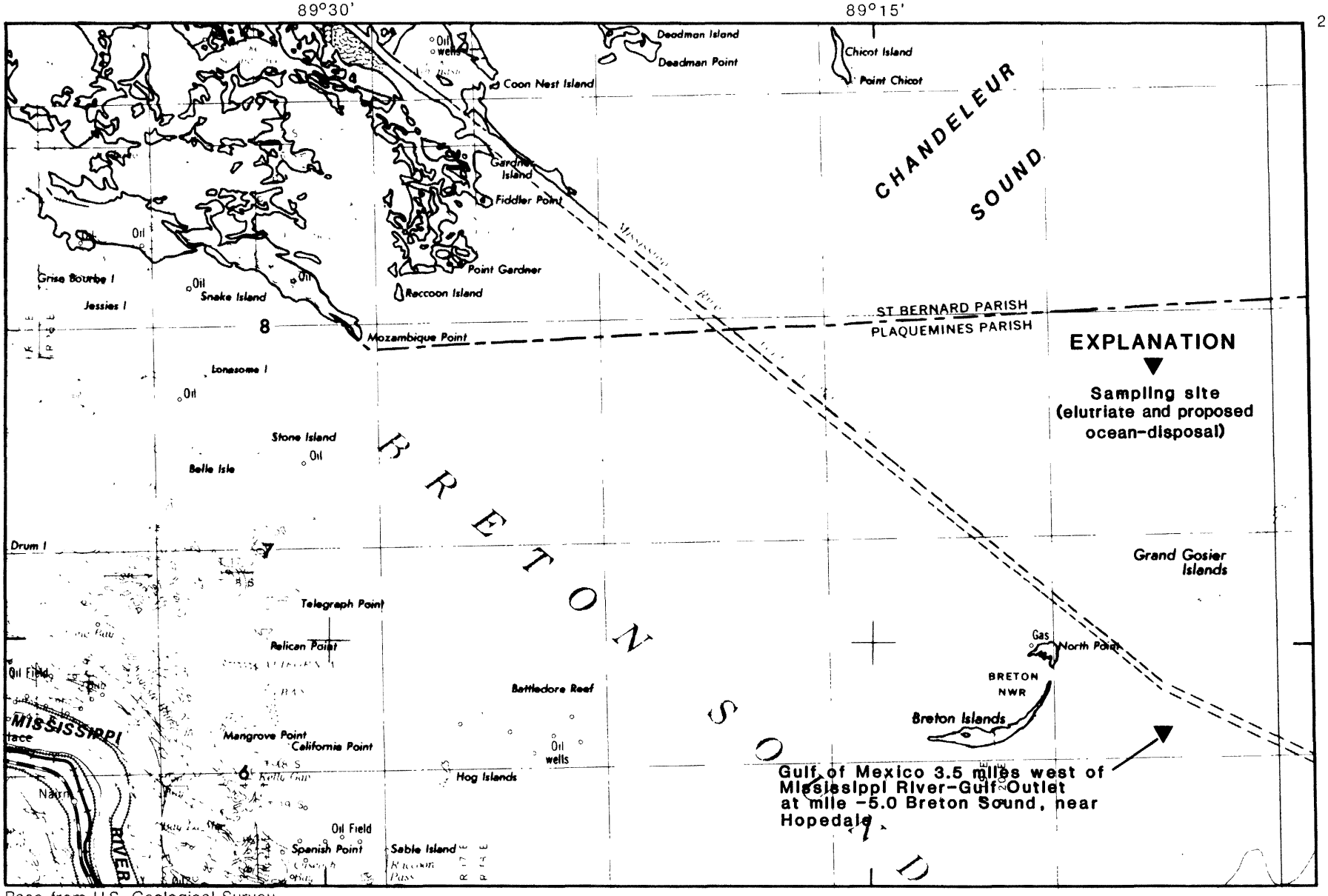
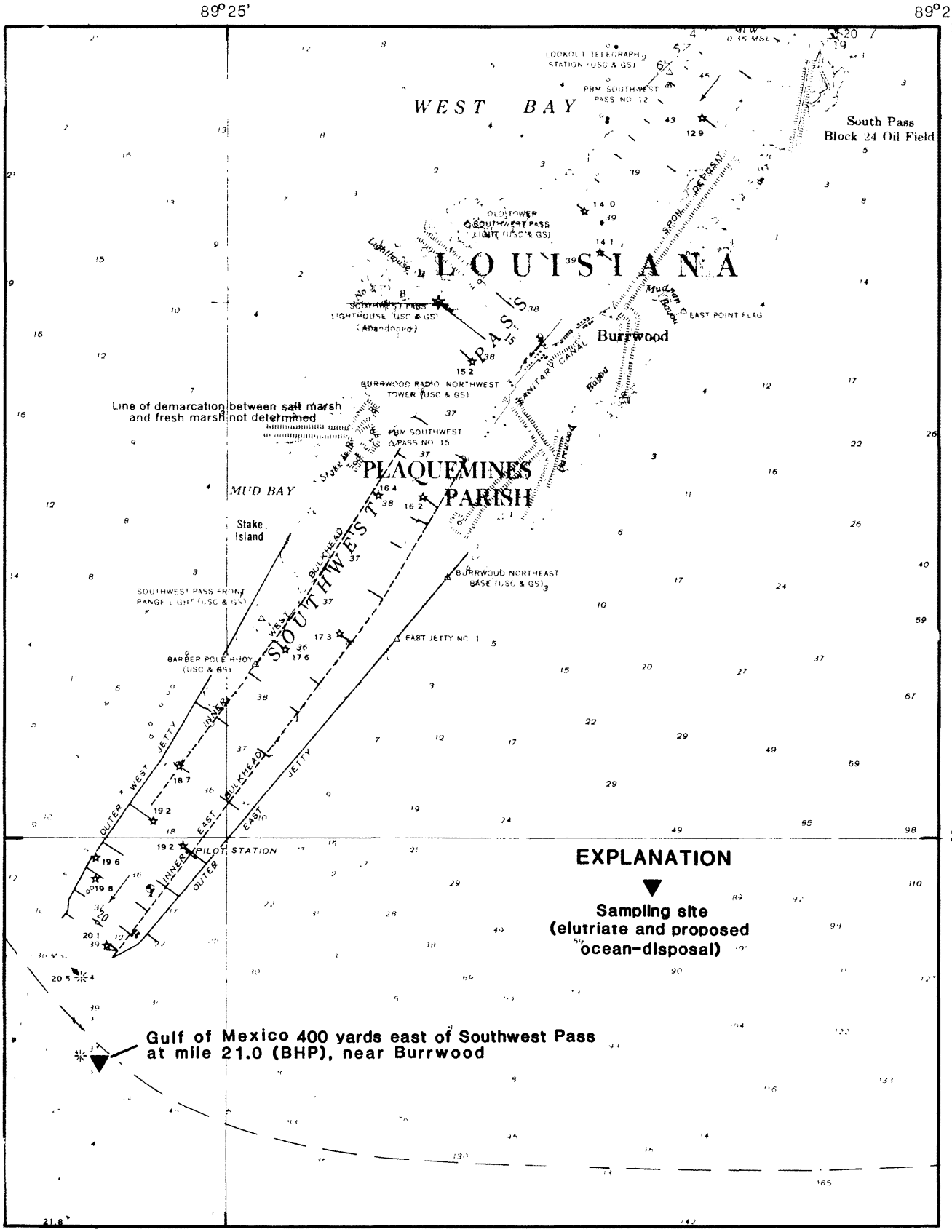


PLATE 3. MAP SHOWING LOCATION OF SAMPLING SITES FOR NEW ORLEANS TO VENICE HURRICANE PROTECTION PROJECT, LOUISIANA.



Base from U.S. Geological Survey
Breton Sound, 1957 (revised 1973)

PLATE 4. MAP SHOWING LOCATION OF SAMPLING SITES, MISSISSIPPI RIVER-GULF OUTLET, LOUISIANA.



Base from U.S. Geological Survey
Southwest Pass, 1958

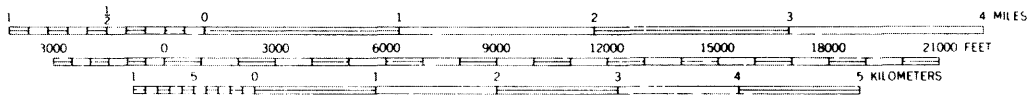
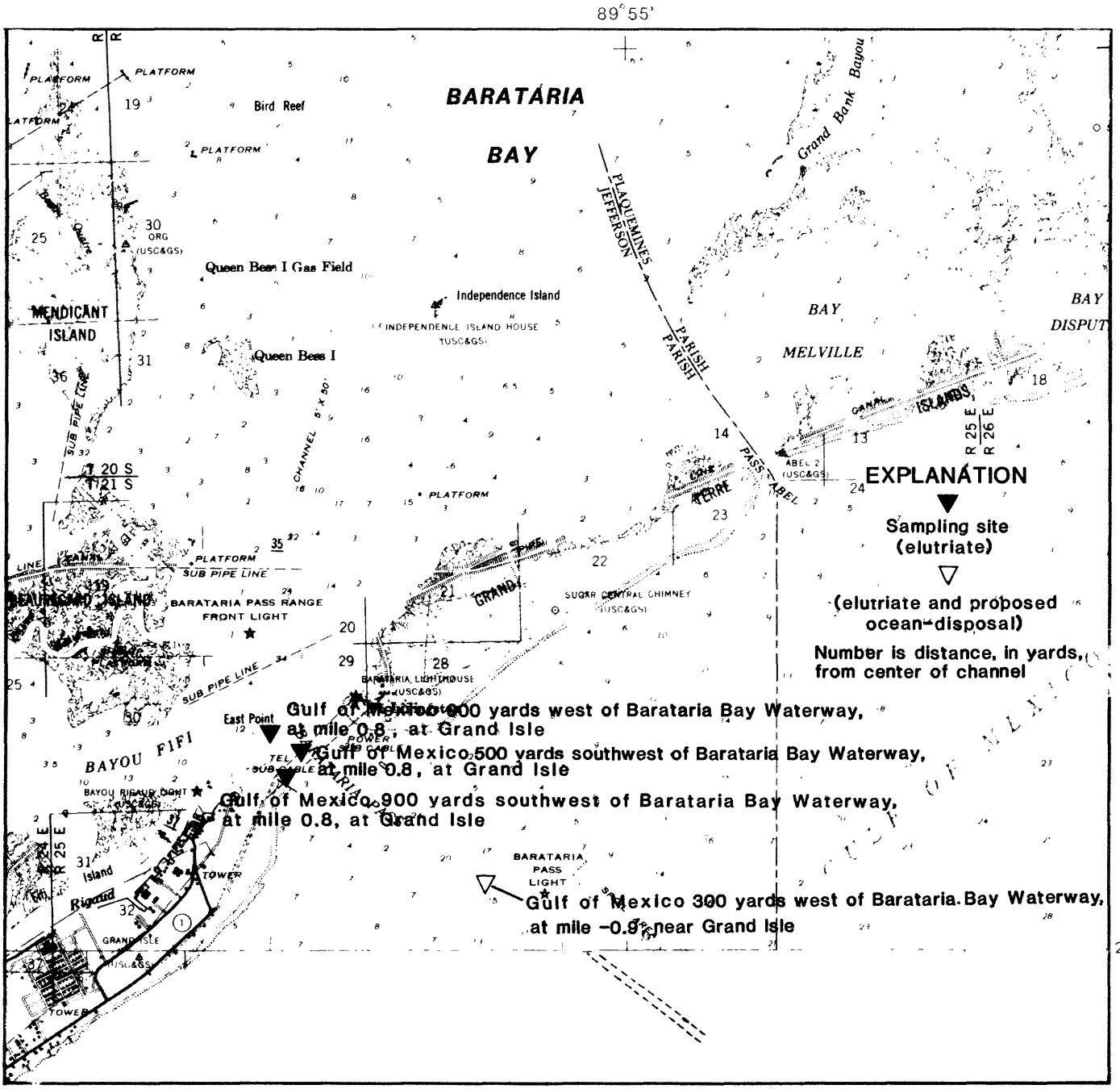


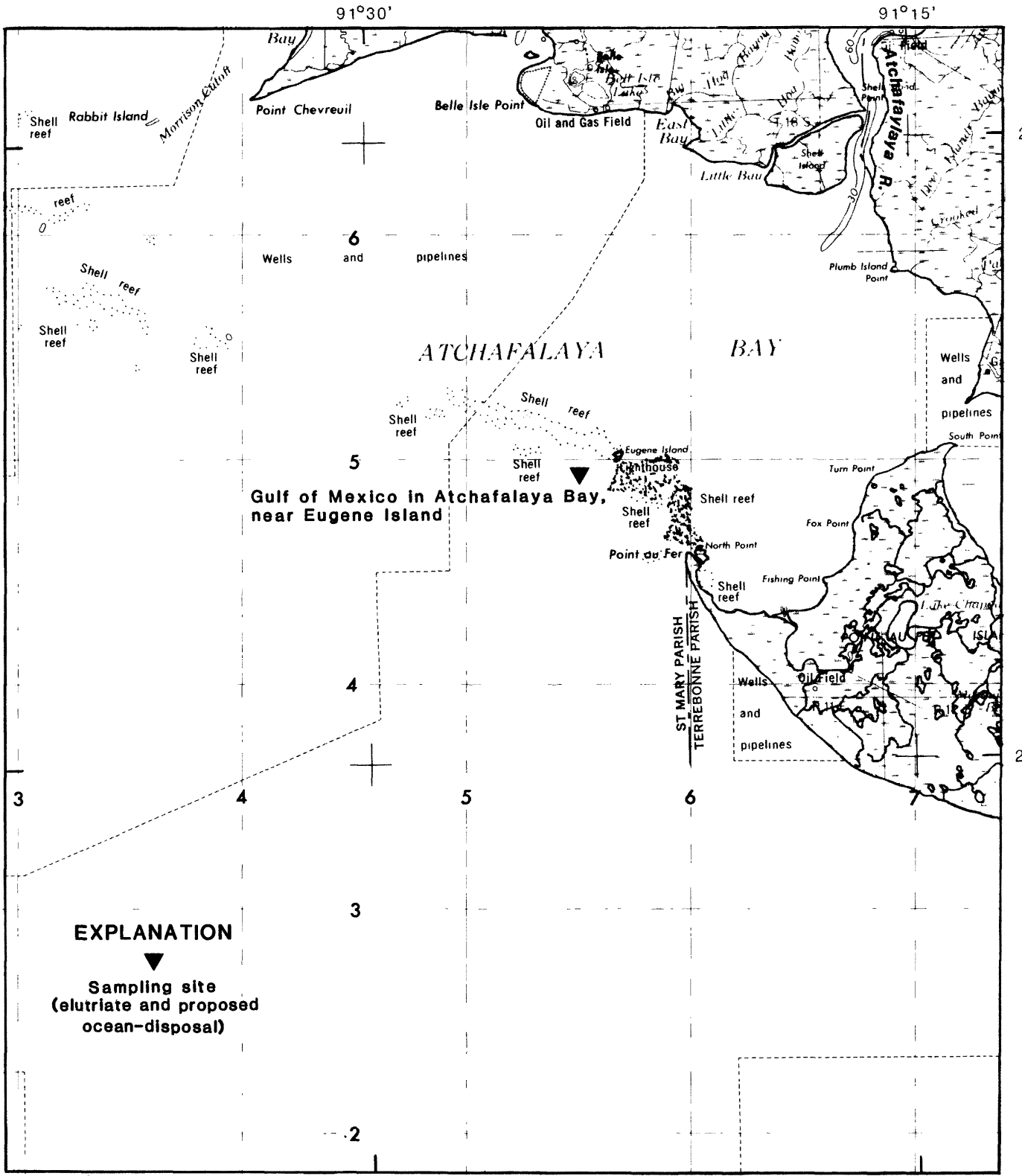
PLATE 5. MAP SHOWING LOCATION OF SAMPLING SITES, SOUTHWEST PASS, LOUISIANA.



Base from U S Geological Survey
Fort Livingston, 1961

1 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 5 0 1 2 3 4 5 KILOMETERS

PLATE 6. MAP SHOWING LOCATION OF SAMPLING SITES, BARATARIA BAY WATERWAY, GULF SECTION, LOUISIANA.



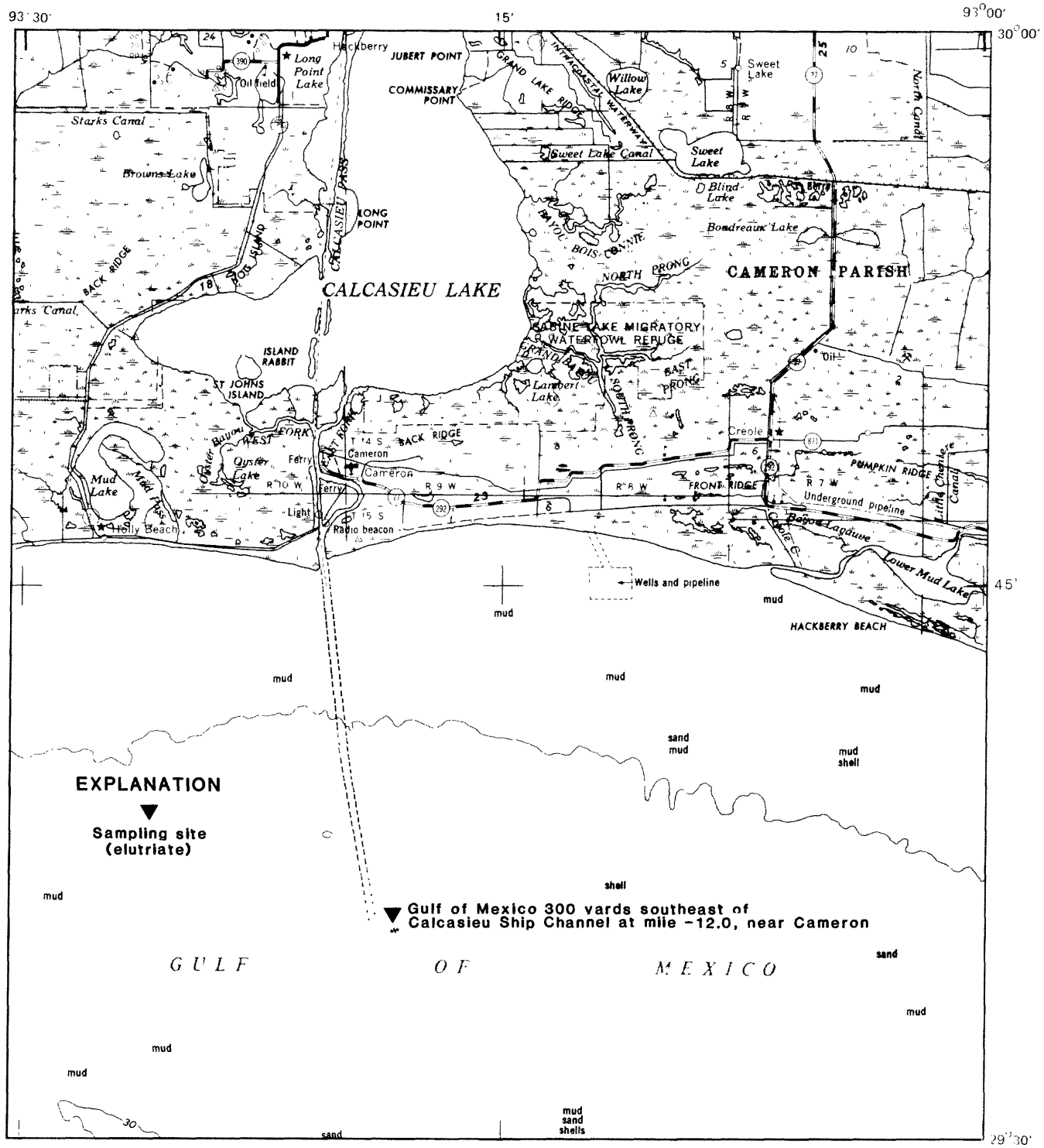
Base from U.S. Geological Survey
New Orleans, 1963 (revised 1972)

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 Nautical Miles

PLATE 7. MAP SHOWING LOCATION OF SAMPLING SITES, EUGENE ISLAND, ATCHAFALAYA BAY AREA, LOUISIANA.



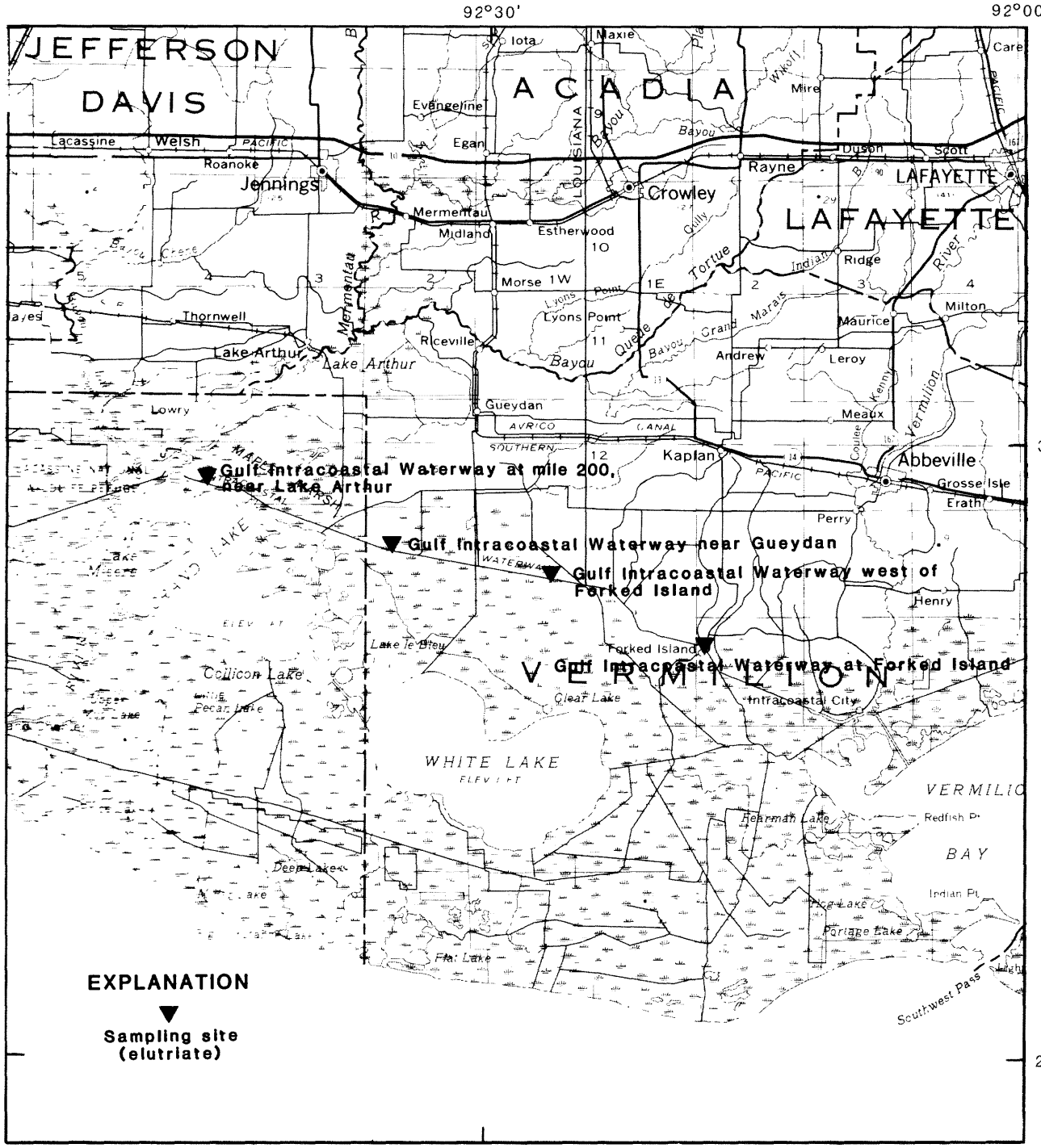
Base from U.S. Geological Survey
Port Arthur 1956 (revised 1973)

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 Nautical Miles

PLATE 8. MAP SHOWING LOCATION OF SAMPLING SITE, CALCASIEU SHIP CHANNEL, GULF SECTION, LOUISIANA.



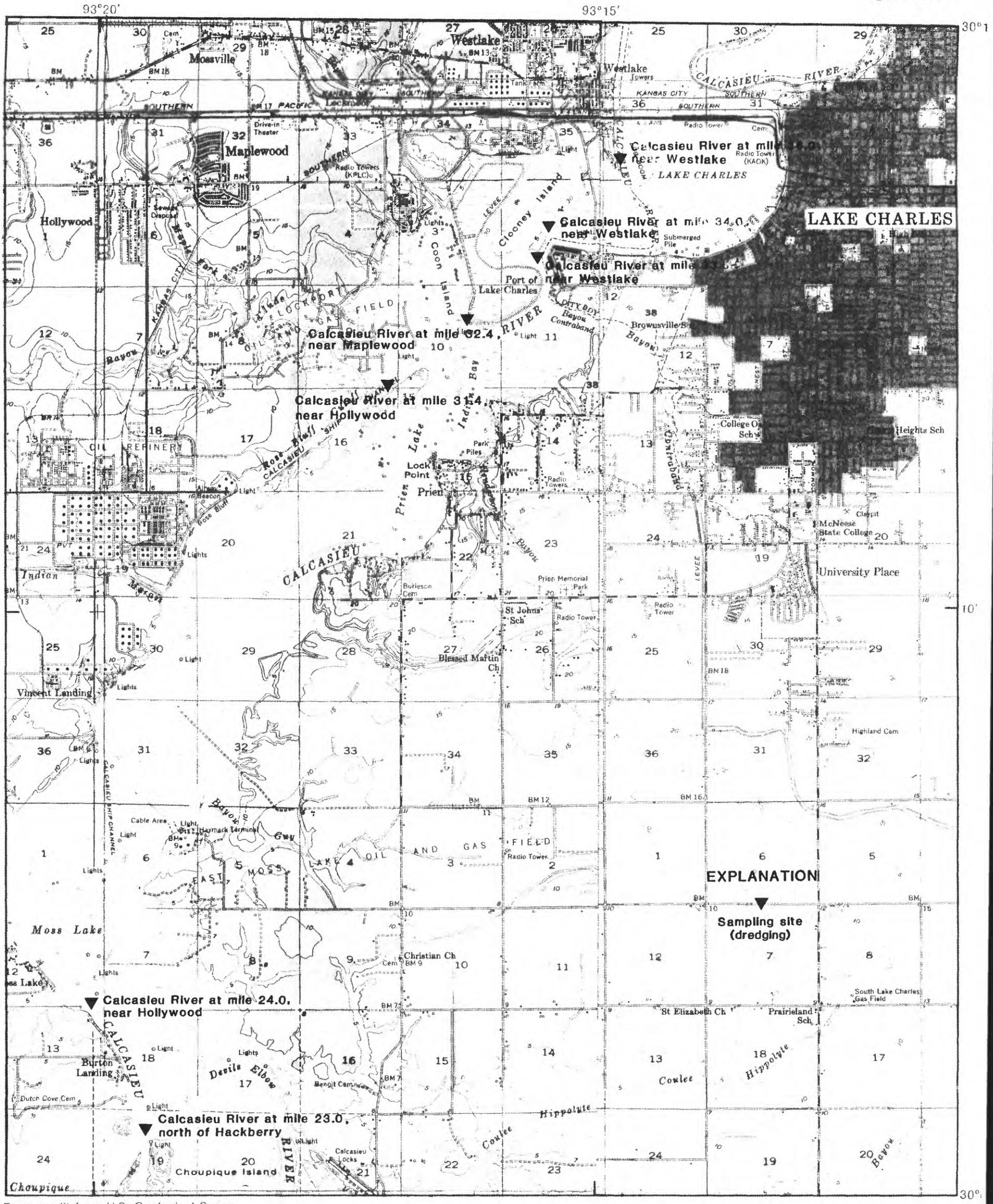
Base from U.S. Geological Survey
State base map, 1:500,000"

10 0 10 20 30 40 Miles

10 0 10 20 30 40 50 Kilometers

PLATE 10. MAP SHOWING LOCATION OF SAMPLING SITES, GULF INTRACOASTAL WATERWAY, LOUISIANA.

82-690



Base credit from U.S. Geological Survey
Lake Charles, 1955 and Sulphur, 1955

PLATE 1. MAP SHOWING LOCATION OF SAMPLING SITES ALONG THE UPPER CALCASIEU RIVER, LOUISIANA.

82-690

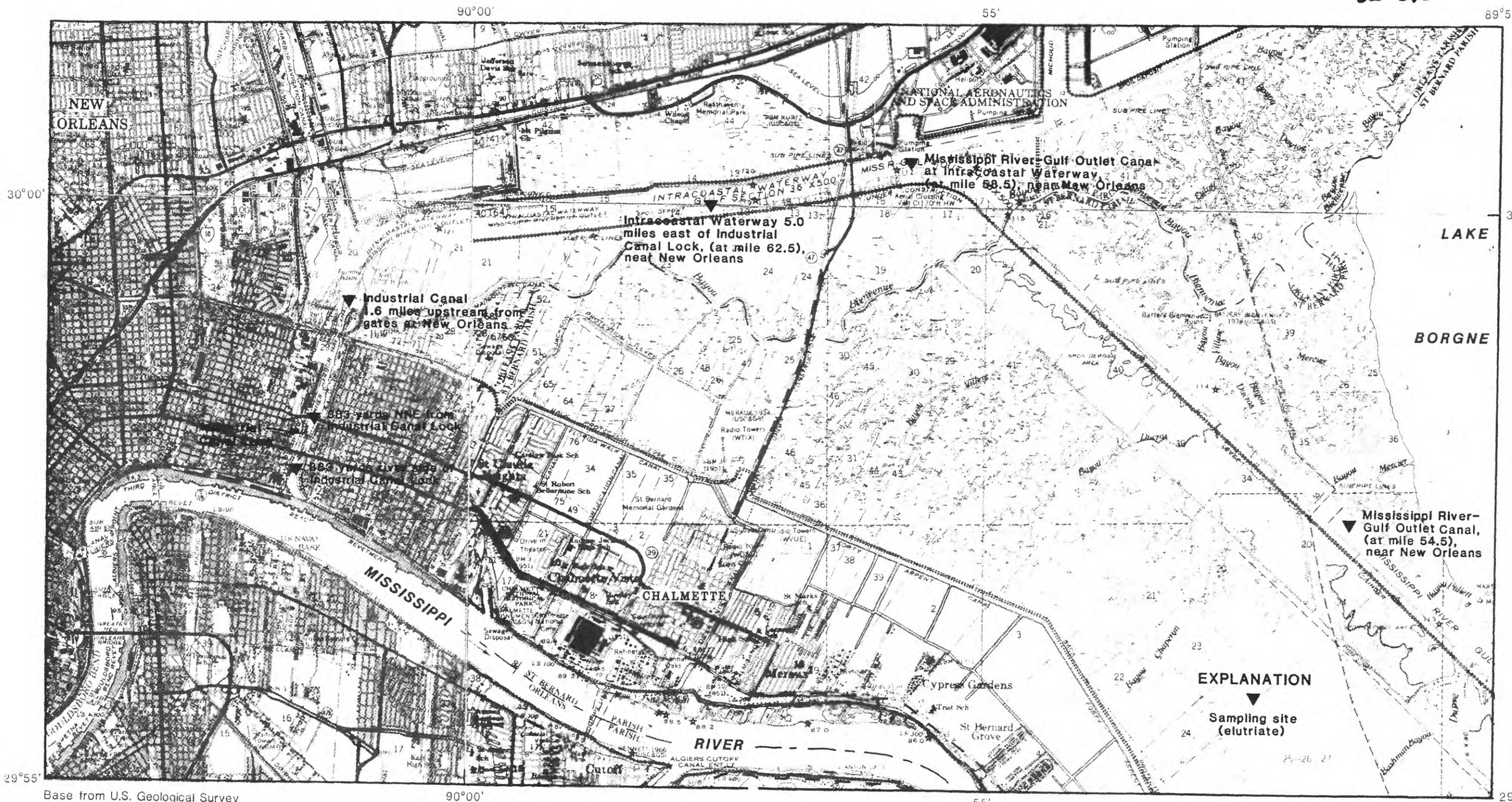


PLATE 9. MAP SHOWING LOCATION OF SAMPLING SITES, INNER HARBOR NAVIGATION CANAL AND MISSISSIPPI RIVER-GULF OUTLET, NEW ORLEANS AREA, LOUISIANA.