TEXAS DEPARTMENT OF WATER RESOURCES

REPORT 245

CHEMICAL AND PHYSICAL CHARACTERISTICS OF WATER IN ESTUARIES OF TEXAS OCTOBER 1974-SEPTEMBER 1975

By

William B. Lind
U.S. Geological Survey

This report was prepared by the U.S. Geological Survey
under cooperative agreement with the
Texas Department of Water Resources

April 1980

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Published and distributed
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Texas Department of Water Resources
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CHEMICAL AND PHYSICAL CHARACTERISTICS OF WATER IN ESTUARIES OF TEXAS OCTOBER 1974-SEPTEMBER 1975

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INTRODUCTION

Purpose and Scope of the Investigation

The Texas Water Plan (Texas Water Development Board, 1968) proposes development and utilization of water resources in Texas and includes provisions for the use and preservation of water in the estuaries of the State. Management of estuarine waters requires knowledge of the hydrodynamics and of the continuing changes in chemical and physical characteristics of water in the estuaries.

In September 1967, the U.S. Geological Survey and the Texas Water Development Board (now Texas Department of Water Resources) began a cooperative water-resources investigation of the principal estuaries along the Texas Coast (figure 1) except Galveston Bay, which was being studied by other agencies at that time, and the Rio Grande estuary, which is under the jurisdiction of the International Boundary and Water Commission, United States and Mexico.

The objectives of the investigation are to define: (1) The occurrence, source, and distribution of nutrients; (2) the physical, organic, and inorganic water-quality constituents and their areal distribution and time variations; (3) the chemical and physical characteristics of gulf water that enters the estuaries; (4) the occurrence, quality, quantity, and dispersion of drainage entering the estuarine systems; and (5) the current patterns, directions, and rates of water movement.

The coastal waters of Texas are not classical estuaries, but are similar to them in ecosystems and mixing phenomena. A description of various types of estuaries is presented in "Estuaries," edited by Lauff (1967, p. 3-11). The term estuary, as used in this report, refers to concomitant water bodies in which streamflow mixes with seawater.

Status of the Project

The first three objectives of the project are being met by a three-phased water-quality data-collection program of: (1) Reconnaissance for establishment of an optimum data-collection network; (2) repetitive surveys throughout this network to determine the general chemical and physical characteristics of the estuarine systems; and (3) continued data collection at a reduced number of sites or at a reduced frequency to maintain definition of the chemical and physical characteristics of each estuarine system and of the relationship between systems. The first two phases have been completed and the third phase began in September 1973.

The fourth objective of the project is being met by data collection at six continuous streamflow-measuring stations and 11 stations at which monthly data on streamflow and water quality are obtained. The dispersion of water entering an estuary is being documented under data-collection activities to meet the first three objectives.

The fifth objective of the project is being met by short-duration intensive studies of inflow. Two such

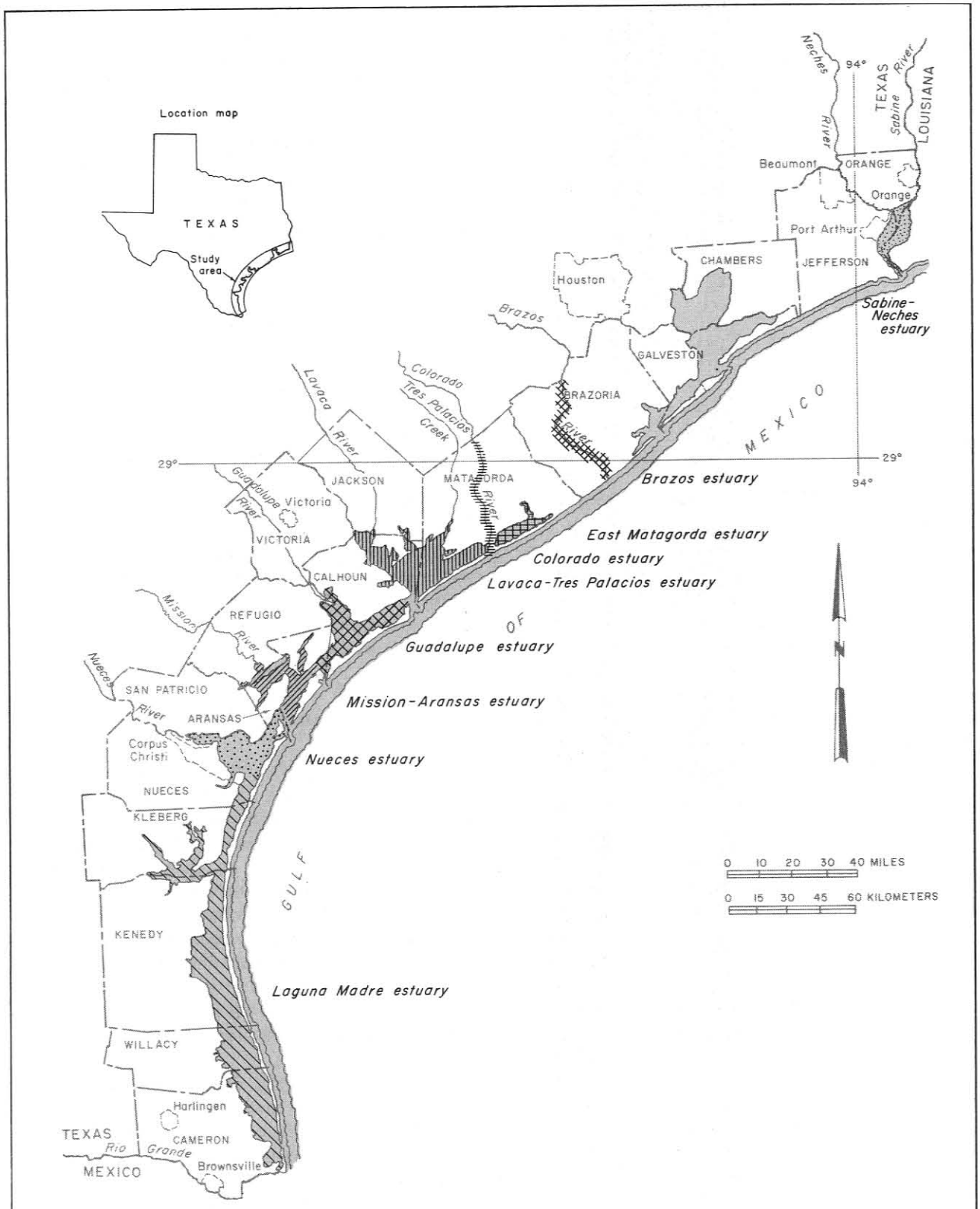

Figure 1

Locations of the Estuaries

Base from Official State Highway Map of Texas, 1971

studies will be completed for each estuary. The studies on the Guadalupe estuary were completed in November 1970 and August 1973; the studies on the Lavaca-Tres Palacios estuary were completed in March 1971 and October 1972; the studies on the Mission-Aransas and Nueces estuaries were completed in November 1971 and May-June 1974; and the studies on the Sabine-Neches estuary were completed in September 1974 and July 1975. These studies are providing data on inflow and exchange of water through the passes.

Previous and Related Reports

This report, which is the seventh in an annual series of basic-data reports (Hahl and Ratzlaff, 1970, 1972, 1973, 1975; Ratzlaff, 1976; Lind and Ratzlaff, 1979), presents data collected during water year 1975. A report by Grozier and others (1968, p. 47-61) includes data collected during flooding caused by Hurricane Beulah. An interpretive report is being prepared to describe the characteristics of the Guadalupe estuary.

Metric Conversions

Metric equivalents of English units of measurement are given in parentheses in the text. The English units used in this report may be converted to metric units by the following conversion factors:

From		Multiply by	To obtain	
Unit	Abbreviation		Unit	Abbreviation
inch	–	2.54	centimeter	cm
foot	–	.3048	meter	m
mile	–	1.609	kilometer	km
square mile	–	2.590	square kilometer	km^2
cubic foot per second	ft^3/s	.02832	cubic meter per second	m^3/s

Acknowledgments

The U.S. Army Corps of Engineers (Galveston District), the Texas Parks and Wildlife Department, and the Texas Water Development Board provided data and field assistance. Many private citizens and commercial fishermen furnished information on historical changes and existing conditions in the estuaries.

DATA-COLLECTION METHODS

Approximately 290 data-collection sites were visited during the 1975 water year. About 50 percent of these sites are located adjacent to or between navigation aids, bridge piers, power poles, survey platforms, well structures, or other landmarks and can be reoccupied exactly. About 19 percent of the sites are close to shore features or reefs and are located by onboard radar or by compass heading and distance from the feature and water depth at the site; these sites can be reoccupied within 100 feet (30 m). About 31 percent of the sites are remote to any reference. They are reached by traveling from a known landmark at a known speed on a predetermined compass course. Verification of site location is made by checking the alignment of one or more distant landmarks by visual observation or by onboard radar. These sites can be reoccupied within 0.25 mile (0.4 km).

At each data-collection site, field data are collected from several points along a vertical. Samples for laboratory analyses are collected from a predetermined number of data-collection sites and at other sites in the network when significant changes in field data indicate a need for additional samples. Properties or constituents measured in the field are dissolved oxygen, specific conductance, temperature, pH, transparency by Secchi disk, and turbidity. Laboratory analyses include the principal inorganic ions, biochemical oxygen demand (BOD), phenols, total organic carbon (TOC), dissolved organic carbon (DOC),

suspended organic carbon (SOC), chlorophyll, coliform and streptococci bacteria, insecticides and herbicides, ammonium, nitrite, nitrate, ortho and total phosphate, and other selected ions such as aluminum, arsenic, cadmium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, nickel, strontium, and zinc.

Field Instruments

The field instruments used in this investigation are as follows, but mention herein of the manufacturers and their instruments does not constitute an endorsement by the U.S. Geological Survey. The information is for identification only.

Parameter measured	Instrument	Model	Manufacturer
pH	Specific ion meter	401	Orion Research
pH	pH meter	175	Instrumentation Laboratory
pH	pH meter	7417	Leeds and Northrup
Dissolved oxygen	Oxygen meter	54	Yellow Springs Instruments
Specific conductance	Solubridge	RB-3	Industrial Instruments
Temperature	Research thermometer	ET-100 Marine	Applied Research
Turbidity	Colorimeter	DR	Hach Chemical

The instruments used for pH measurements were calibrated daily during each water-quality survey by using three standards: pH 4.0, 7.0, and 10.0. The dissolved-oxygen meter was calibrated at least twice daily by using the oxygen-saturation data compiled by the American Public Health Association and others (1971, p. 480). The conductivity meter was calibrated from laboratory analyses of samples collected each day. The electrical thermometer was calibrated weekly. The colorimeter was calibrated at each site.

Instrument probes are set in a manifold through which water to be sampled is drawn. Several tests were conducted to determine the effect of streaming potential on electrodes by monitoring instrument output. Dissolved-oxygen readings of water passing through the manifold deviated from the in situ readings by less than 0.1 mg/l (milligrams per liter), and pH readings differed by less than 0.05 pH units.

Treatment of Samples

All water samples except those for bacteriological, TOC, DOC, SOC, insecticide, and herbicide analyses were collected in plastic throwaway bottles. The BOD, TOC, phenol, and nutrient samples were chilled to about 1°C, stored in a refrigerator or ice chest, and shipped to the laboratory as soon as possible.

Samples for SOC and DOC analyses were collected in specially treated glass bottles and were filtered through 0.45-micrometer silver filters in the field. Residues on the filters for SOC analyses and filtrates for DOC analyses were chilled to about 1°C and shipped to the laboratory as soon as possible.

Phenol samples were treated with phosphoric acid and copper sulfate and were chilled during shipment.

Chlorophyll samples were filtered through 0.45-micrometer membrane filters and the residues on the membrane filters were chilled until analysis.

Bacteriological samples were collected in sterilized glass bottles and chilled until the analyses were completed in the field.

Water samples for the principal dissolved inorganic anions, except carbonate and bicarbonate, were filtered

through 0.45-micrometer membrane filters. Water samples for the principal dissolved inorganic cations, heavy metals, and other selected trace constituents, were filtered through 0.45-micrometer membrane filters and into bottles prewashed with 10-percent nitric acid. Two milliliters of concentrated nitric acid were added to each liter of filtrate.

Water-suspended sediment mixtures and bottom-sediment samples to be analyzed for herbicides and insecticides were collected in specially treated glass bottles, kept cool, and shipped air mail to the laboratory as soon as possible. Most herbicide and some insecticide samples were depth-integrated water samples; however, most insecticide and some herbicide samples were taken from bottom sediments. Most sediment samples were collected directly in a weighted sample bottle.

QUALITY OF WATER IN THE ESTUARIES

Sabine-Neches Estuary

The Sabine-Neches estuary covers an area of about 100 square miles (259 km^2) and consists of the tidal parts of the Sabine and Neches Rivers and other tributaries, Sabine Lake, the Sabine-Neches Canal, the Port Arthur Canal, parts of the Intracoastal Waterway, and Sabine Pass (Figure 2). Water depth at mlw (mean low water) is greater than 40 feet (12.2 m) in dredged parts of the rivers, canals, and pass; about 15 feet (4.6 m) in the Intracoastal Waterway; and generally about 10 feet (3.0 m) in Sabine Lake.

Water-quality data (Table 1) were collected during October 1974 and January, April, May, and July 1975.

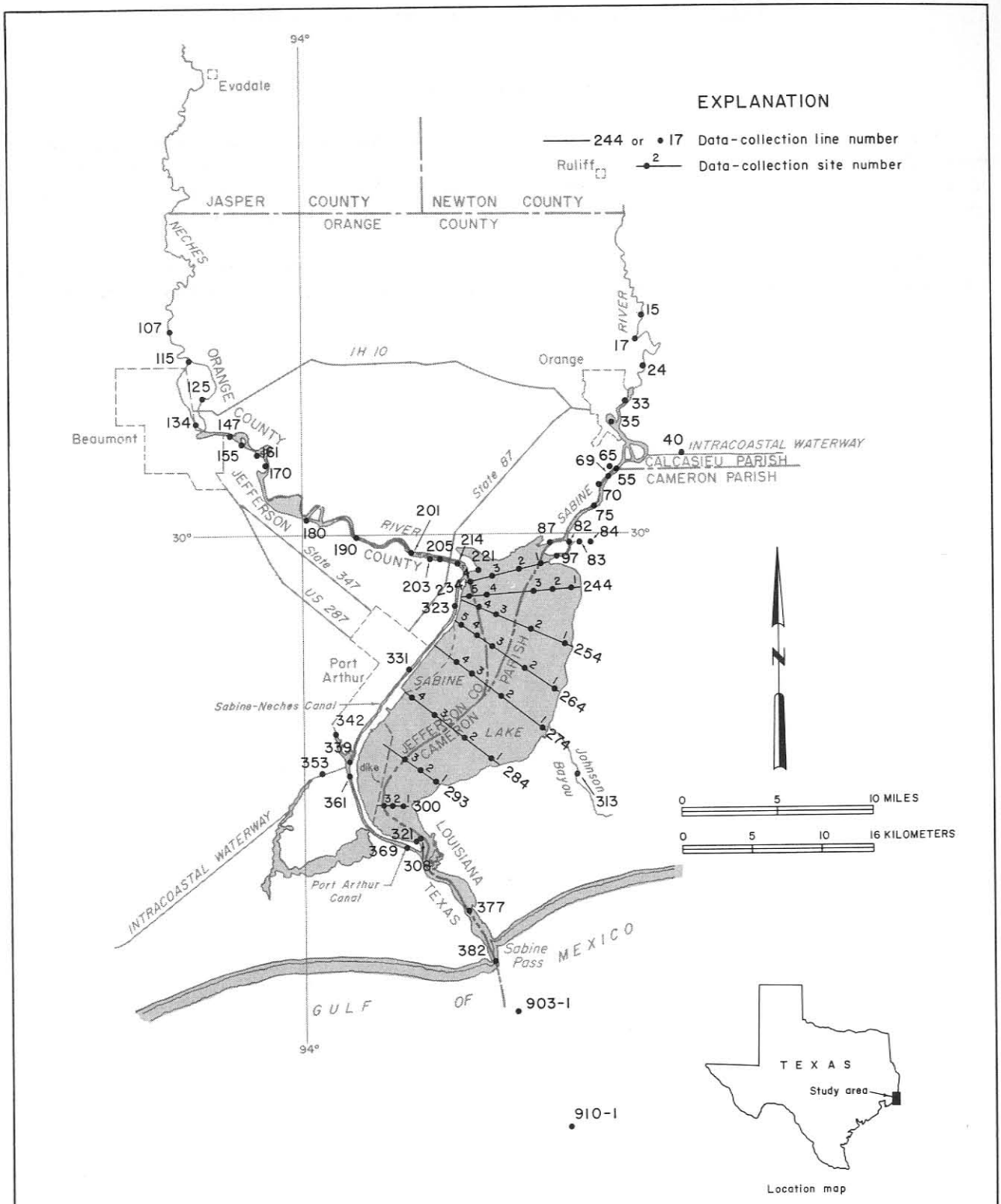

Figure 2

Data-Collection Sites in the Sabine-Neches Estuary

Base by US Geological Survey, 1956

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 15					
OCT 08, 74	1345	2	.3	160	25.0	6.8	6.4	76	10.	--
			3.0	180	23.0	6.8	5.8	67	15.	--
			6.1	160	23.0	6.9	5.4	62	20.	--
			11.0	3400	24.0	7.0	4.0	48	5.	--
JAN 20, 75	1640	2	.3	170	12.1	7.1	8.6	80	55.	50
			1.5	170	12.1	7.1	8.6	80	50.	--
			4.6	170	12.1	7.1	8.5	79	60.	--
			8.5	170	12.1	7.1	8.6	80	60.	--
APR 07, 75	1625	2	.3	150	15.0	--	7.2	71	15.	--
			1.5	150	15.0	--	6.4	63	25.	--
			3.0	150	15.0	--	6.2	61	30.	--
			4.6	150	15.0	--	6.4	63	20.	--
			6.1	150	15.0	--	6.2	61	70.	--
MAY 20, 75	1600	2	.3	200	23.1	6.7	6.4	74	50.	36
			3.0	200	23.1	6.7	6.4	74	55.	--
			7.0	200	23.1	6.5	6.4	74	50.	--
JUL 25, 75	0950	2	.3	120	29.0	--	5.8	74	--	--
			1.5	120	29.0	--	5.8	74	--	--
			3.0	120	29.0	--	5.8	74	--	--
			7.6	130	29.0	--	6.0	77	--	--
					LINE 33					
OCT 08, 74	1435	2	.3	3700	24.3	7.1	6.9	82	5.	91
			1.5	6200	24.0	7.0	6.0	72	5.	--
			3.0	13000	24.3	7.2	4.9	60	0.	--
			6.1	18000	24.5	7.2	3.1	39	0.	--
			10.7	21000	25.0	7.2	2.2	28	10.	--
JAN 20, 75	1705	2	.3	170	12.1	7.0	8.4	78	50.	49
			1.5	170	12.1	7.0	8.4	78	50.	--
			3.0	170	12.1	7.0	8.4	78	55.	--
			6.1	170	12.1	7.0	8.6	80	40.	--
			9.1	170	12.1	7.0	8.4	78	45.	--
			11.3	170	12.1	7.0	8.4	78	50.	--
APR 07, 75	1720	2	.3	150	14.7	--	7.5	73	5.	--
			1.5	150	14.7	--	7.3	71	10.	--
			6.1	150	14.7	--	7.3	71	10.	--
			9.1	150	14.7	--	7.3	71	10.	--
			13.7	140	14.7	--	7.9	77	15.	--
MAY 20, 75	1640	2	1.5	100	23.0	6.6	6.2	71	50.	42
			5.2	100	23.0	6.6	6.2	71	60.	--
			10.4	100	23.0	6.6	6.2	71	60.	--
JUL 25, 75	1000	2	.3	120	29.1	--	5.2	67	--	--
			3.0	140	28.8	--	4.8	64	--	--
			6.1	14000	29.0	--	4.1	55	--	--
			7.6	12000	29.0	--	1.9	25	--	--
			9.4	14000	29.0	--	.8	11	--	--
					LINE 40					
OCT 08, 74	1505	2	.3	9700	25.0	7.6	7.8	95	20.	38
			3.0	9700	25.0	7.5	7.4	90	15.	--
			5.8	10000	25.0	7.3	7.0	85	20.	--
JAN 20, 75	1730	2	.3	370	10.5	7.2	9.4	84	105.	36
			1.5	370	10.5	7.2	9.4	84	110.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 40 CONTINUED					
JAN 20, 75	1730	2	3.0	370	10.5	7.2	9.4	84	130.	--
			6.1	360	10.4	7.2	9.4	84	145.	--
APR 07, 75	1735	2	.3	200	14.9	--	8.1	79	10.	--
			1.5	200	14.9	--	8.0	78	10.	--
			3.0	200	14.9	--	8.0	78	5.	--
			6.4	200	15.2	--	8.0	78	10.	--
MAY 20, 75	1655	2	.3	100	23.5	6.6	6.5	76	50.	39
			6.1	100	23.0	6.6	6.3	72	50.	--
JUL 25, 75	1020	2	.3	1300	31.0	--	5.6	75	--	--
			1.5	1300	30.1	--	5.2	68	--	--
			3.0	1300	30.0	--	5.1	67	--	--
			6.1	1100	30.0	--	5.3	70	--	--
					LINE 82					
JUL 21, 75	1800	2	.3	2300	30.1	5.4	7.1	95	--	52
			1.8	2400	30.0	5.4	5.7	76	--	--
			3.7	3200	29.9	5.3	5.2	69	--	--
JUL 21, 75	2400	2	.3	2800	26.1	--	7.3	90	--	--
			1.5	2800	25.9	--	7.4	91	--	--
			3.0	2800	25.0	--	7.5	90	--	--
JUL 22, 75	0030	2	.3	4100	26.6	--	6.1	76	50.	--
			1.5	4100	26.5	--	6.1	75	60.	--
			3.0	4100	26.2	--	6.1	75	100.	--
JUL 22, 75	0600	2	.3	2800	25.9	--	5.6	69	--	--
			1.8	2800	25.1	--	5.7	69	--	--
			3.7	2300	24.5	--	6.1	73	--	--
JUL 22, 75	0750	2	.3	3000	27.0	--	5.4	68	--	--
			1.5	3000	27.0	--	5.4	68	--	--
			2.9	3100	26.5	--	5.5	68	--	--
JUL 22, 75	0920	2	.3	2600	26.5	6.8	5.9	73	70.	53
			1.5	2800	26.0	6.8	5.9	73	55.	--
			3.0	2800	26.0	6.8	5.9	73	180.	--
JUL 22, 75	1000	2	.3	2800	26.0	6.9	6.0	74	50.	53
			1.5	2800	26.0	6.9	6.1	75	55.	--
			2.9	2800	25.5	6.8	6.2	76	190.	--
JUL 22, 75	1130	2	.3	2800	27.5	6.9	5.9	75	45.	65
			1.5	2600	27.5	6.9	5.8	73	50.	--
			3.0	2600	27.5	6.8	5.9	75	75.	--
JUL 22, 75	1200	2	.3	2800	27.5	6.9	6.1	77	40.	52
			1.5	2800	27.0	6.9	6.1	76	45.	--
			2.7	2800	27.0	6.8	5.9	74	40.	--
JUL 22, 75	1320	2	.3	3000	28.3	6.9	6.2	79	45.	48
			1.5	2800	28.0	6.8	5.9	76	50.	--
			3.4	2800	28.2	6.8	5.6	72	50.	--
JUL 22, 75	1400	2	.3	3100	28.1	6.9	5.9	76	50.	58
			1.5	3100	28.1	6.9	5.9	76	50.	--
			2.7	3000	28.2	6.8	5.8	74	50.	--
JUL 22, 75	1525	2	.3	3300	28.6	--	5.9	77	50.	51
			1.5	3300	28.7	--	5.7	74	50.	--
			2.7	3300	28.8	--	5.6	73	50.	--
JUL 22, 75	1600	2	.3	3400	28.0	--	6.1	78	45.	48
			1.5	3400	28.0	--	6.0	77	50.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 82 CONTINUED					
JUL 22, 75	1600	2	2.9	3400	28.0	--	5.9	76	50.	--
JUL 22, 75	1720	2	.3	3400	28.0	--	6.5	83	50.	53
			1.5	3400	28.0	--	6.3	81	50.	--
			3.0	3700	28.0	--	5.7	73	30.	--
JUL 22, 75	1755	2	.3	3300	27.6	--	6.6	84	40.	58
			1.5	3900	27.3	--	6.2	78	40.	--
			3.0	4300	27.0	--	6.1	76	50.	--
JUL 22, 75	2015	2	.3	3200	26.2	--	5.6	69	90.	--
			1.5	3200	26.1	--	5.9	73	90.	--
			3.0	3400	26.0	--	5.9	73	85.	--
JUL 22, 75	2230	2	.3	2700	27.0	--	6.1	76	100.	--
			1.5	2700	26.7	--	6.2	78	100.	--
			3.0	2700	26.5	--	6.3	78	110.	--
JUL 23, 75	0225	2	.3	4000	26.5	--	5.8	72	90.	--
			1.5	4000	26.1	--	5.9	73	80.	--
			3.0	4000	26.0	--	5.8	72	80.	--
JUL 23, 75	0420	2	.3	4600	26.5	--	5.4	67	75.	--
			1.5	4600	26.5	--	5.5	68	80.	--
			3.0	4600	26.4	--	5.5	68	115.	--
JUL 23, 75	0625	2	.3	3900	26.7	--	5.3	66	40.	--
			1.5	3900	26.4	--	5.1	63	40.	--
			3.0	4600	26.0	--	5.3	65	--	--
JUL 23, 75	0730	2	.3	2700	27.1	--	6.9	86	50.	--
			1.5	2700	27.1	--	7.1	89	--	--
			2.7	2700	25.8	--	6.0	74	135.	--
JUL 23, 75	1200	2	.3	2500	26.8	--	5.6	70	45.	61
			1.5	2600	26.3	--	5.3	65	40.	--
			3.4	2600	26.0	--	5.0	62	45.	--
JUL 23, 75	1800	2	.3	2200	29.0	--	6.2	81	40.	51
			1.5	2700	29.0	--	5.3	69	40.	--
			3.0	2900	28.9	--	4.8	62	40.	--
JUL 24, 75	0020	2	.3	2900	27.1	--	6.1	76	60.	--
			1.5	2700	27.0	--	6.1	76	60.	--
			3.0	2700	27.0	--	6.2	78	80.	--
JUL 24, 75	0610	2	.3	2500	27.8	--	6.4	82	60.	--
			1.5	2500	27.5	--	5.8	73	70.	--
			3.0	2500	27.5	--	6.2	78	60.	--
JUL 24, 75	1200	2	.3	3000	27.9	--	6.7	86	40.	56
			1.5	3700	27.9	--	6.1	78	40.	--
			2.9	3700	28.0	--	5.9	76	40.	--
JUL 24, 75	1800	2	.3	2600	29.5	--	5.7	75	40.	44
			1.5	3000	29.4	--	5.3	70	40.	--
			2.9	3400	29.9	--	4.5	60	45.	--
					LINE 87					
OCT 08, 74	1535	2	.3	12000	25.1	7.6	6.8	84	5.	79
			3.0	14000	24.9	7.6	6.1	75	5.	--
			6.1	26000	24.0	7.8	5.5	70	10.	--
JAN 20, 75	1750	2	.3	220	12.7	7.0	8.4	79	80.	--
			3.0	220	12.7	7.0	8.4	79	80.	--
			7.6	220	12.7	7.0	8.5	79	80.	--
			9.8	190	12.6	7.0	8.6	80	70.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 87 CONTINUED						
APR 07, 75	1755	2	.3	800	14.8	--	8.5	83	10.	--
			1.5	800	14.8	--	8.5	83	10.	--
			3.0	900	14.8	--	8.5	83	10.	--
			6.1	2900	14.3	--	8.0	78	--	--
			9.1	11000	14.9	--	6.5	66	10.	--
			11.3	19000	15.1	--	5.7	59	10.	--
MAY 20, 75	1730	2	.3	160	23.1	6.8	6.8	78	45.	45
			4.6	160	23.0	6.7	6.5	75	45.	--
			10.1	160	23.0	6.7	6.4	74	50.	--
JUL 22, 75	1015	2	.3	2400	27.0	6.8	5.7	71	40.	61
			3.0	2900	27.0	6.8	5.4	68	40.	--
			6.1	8800	27.0	7.0	4.6	58	35.	--
			7.6	16000	27.0	7.3	3.4	44	40.	--
			10.1	16000	26.5	7.3	3.5	45	80.	--
JUL 22, 75	2000	2	.3	2000	26.1	--	6.1	75	35.	--
			3.0	2100	26.1	--	5.7	70	35.	--
			4.6	2200	26.1	--	5.1	63	75.	--
			10.4	18000	24.9	--	4.0	51	50.	--
JUL 22, 75	2215	2	.3	1800	27.0	--	6.1	76	110.	--
			3.0	2200	26.9	--	5.9	74	100.	--
			4.6	7600	26.8	--	5.2	65	90.	--
			6.1	16000	26.4	--	4.1	53	70.	--
			7.6	18000	26.0	--	3.8	49	60.	--
			10.4	18000	25.0	--	4.3	54	40.	--
JUL 22, 75	2400	2	.3	1500	26.5	--	6.1	74	45.	--
			3.0	2200	26.5	--	5.5	69	40.	--
			4.6	2600	26.1	--	5.0	62	25.	--
			10.4	19000	25.2	--	3.8	48	80.	--
JUL 22, 75	1900	2	.3	1600	28.6	4.9	6.1	78	--	52
			3.0	2900	28.5	4.8	5.1	65	--	--
			6.1	17000	28.8	5.2	3.5	48	--	--
			10.1	17000	28.8	5.2	3.3	45	--	--
JUL 22, 75	0600	2	.3	1700	26.9	--	5.6	70	--	--
			3.0	1800	26.6	--	5.5	68	--	--
			6.1	3600	26.6	--	4.6	58	--	--
			9.8	16000	26.0	--	3.6	46	--	--
JUL 22, 75	0815	2	.3	2600	27.0	6.9	5.5	69	--	--
			3.0	2900	27.0	6.9	6.9	66	--	--
			6.1	4700	27.0	6.9	5.0	62	--	--
			7.6	13000	27.0	7.2	3.9	50	--	--
			9.4	16000	27.0	7.3	3.6	47	--	--
JUL 22, 75	0900	2	.3	2500	26.5	6.8	5.6	69	40.	--
			3.0	2600	26.5	6.8	5.6	69	45.	--
			6.1	4300	26.5	6.9	5.2	64	40.	--
			7.6	12000	26.5	7.1	4.1	52	25.	--
			10.4	17000	26.0	7.3	3.5	45	30.	--
JUL 22, 75	1100	2	.3	2600	27.5	6.9	5.7	72	55.	55
			3.0	2900	27.5	6.9	5.3	67	40.	--
			4.6	3900	28.0	6.9	5.1	65	40.	--
			4.9	4800	26.5	6.9	5.3	65	40.	--
			7.6	16000	27.5	7.3	3.4	44	80.	--
			10.1	16000	27.5	7.2	3.4	44	--	--
JUL 22, 75	1700	2	.3	2600	28.0	--	6.5	83	50.	58
			3.0	3700	28.1	--	5.2	67	45.	--
			4.6	12000	28.2	--	4.5	59	35.	--
			6.1	16000	28.2	--	3.7	49	35.	--
			7.6	17000	28.2	--	3.7	50	45.	--
			10.1	17000	28.2	--	3.7	50	65.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 87 CONTINUED						
JUL 22, 75	1810	2	.3	2500	27.7	--	6.2	79	50.	53
			3.0	3000	27.8	--	5.4	69	45.	--
			4.6	11000	27.8	--	4.6	60	35.	--
			6.1	15000	27.8	--	4.0	53	30.	--
			7.6	17000	27.3	--	3.7	49	30.	--
			10.4	18000	27.0	--	4.3	57	35.	--
JUL 22, 75	0100	2	.3	1400	25.6	--	6.3	77	--	--
			3.0	2200	25.5	--	6.0	74	--	--
			6.1	6700	25.5	--	5.0	61	--	--
			10.1	16000	25.5	--	3.6	46	--	--
JUL 22, 75	1220	2	.3	2500	28.0	6.8	5.9	76	35.	54
			3.0	2900	28.0	6.8	5.4	69	35.	--
			4.6	4500	28.0	6.9	5.0	64	35.	--
			6.1	12000	28.0	7.1	4.3	57	30.	--
			7.6	16000	28.0	7.3	3.4	45	30.	--
			9.8	17000	28.0	7.2	3.3	45	--	--
JUL 22, 75	1300	2	.3	2600	28.0	6.9	6.2	79	50.	53
			3.0	2600	28.0	6.8	5.5	71	45.	--
			4.6	7200	28.0	7.0	4.8	62	40.	--
			6.1	13000	28.0	7.2	4.2	55	30.	--
			7.6	16000	28.0	7.2	3.5	47	30.	--
			10.4	17000	28.0	7.2	3.4	46	30.	--
JUL 22, 75	1415	2	.3	2400	28.7	6.9	5.9	77	40.	57
			3.0	3600	28.8	6.9	5.2	68	40.	--
			4.6	7900	28.8	7.0	4.7	62	40.	--
			6.1	14000	28.9	7.2	3.9	52	30.	--
			7.6	16000	28.8	7.3	3.3	45	30.	--
			10.1	17000	28.5	7.2	3.2	43	30.	--
JUL 22, 75	1500	2	.3	2600	28.9	--	6.0	78	50.	59
			3.0	3700	28.9	--	5.2	68	40.	--
			4.6	10000	28.9	--	4.3	57	35.	--
			6.1	15000	29.0	--	3.5	47	35.	--
			7.6	16000	29.1	--	3.3	45	55.	--
			10.1	16000	29.4	--	3.4	46	80.	--
JUL 22, 75	1615	2	.3	2600	28.0	--	6.1	78	50.	50
			3.0	3700	28.0	--	5.3	68	40.	--
			4.6	11000	28.1	--	4.4	57	40.	--
			6.1	15000	28.0	--	3.5	47	40.	--
			7.6	17000	28.0	--	3.4	46	40.	--
			9.8	17000	27.8	--	3.8	51	50.	--
JUL 23, 75	0210	2	.3	1700	26.5	--	5.9	72	60.	--
			3.0	1900	26.4	--	5.7	70	50.	--
			4.6	2100	26.4	--	5.5	68	45.	--
			6.1	7200	26.5	--	4.5	56	45.	--
			7.6	16000	26.1	--	3.6	46	30.	--
			10.4	19000	25.5	--	3.9	50	35.	--
JUL 23, 75	0400	2	.3	1600	26.1	--	5.9	72	55.	--
			3.0	2000	26.0	--	5.8	72	50.	--
			4.6	2200	26.0	--	5.6	69	50.	--
			6.1	7200	26.0	--	4.9	61	40.	--
			7.6	16000	25.5	--	4.1	52	40.	--
			10.4	18000	24.9	--	4.3	54	40.	--
JUL 23, 75	0600	2	.3	1700	26.2	--	6.0	73	40.	--
			3.0	2000	26.1	--	5.7	70	50.	--
			4.6	8500	26.0	--	5.2	65	35.	--
			6.1	8300	25.1	--	5.3	65	35.	--
JUL 23, 75	0810	2	.3	2400	27.1	--	7.4	92	45.	63
			3.0	2300	27.1	--	6.3	79	45.	--
			6.1	8500	27.1	--	6.0	76	60.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 87 CONTINUED						
JUL 23, 75	0810	2	9.8	20000	26.1	--	4.7	62	30.	--
JUL 23, 75	1230	2	.3	2300	28.0	--	5.6	72	40.	56
			3.0	2800	28.0	--	5.0	64	40.	--
			4.6	10000	28.1	--	4.3	56	30.	--
			6.1	13000	28.0	--	3.9	51	25.	--
			7.6	19000	28.0	--	3.4	46	25.	--
			10.1	19000	27.6	--	3.5	47	--	--
JUL 23, 75	1815	2	.3	2500	29.1	--	5.7	74	40.	49
			3.0	6000	29.1	--	4.8	63	35.	--
			4.6	11000	29.1	--	4.2	55	35.	--
			6.1	17000	29.1	--	3.2	44	30.	--
			10.1	19000	29.0	--	3.1	42	70.	--
JUL 24, 75	0010	2	.3	2100	26.1	--	6.2	77	25.	--
			3.0	3500	26.1	--	6.0	74	50.	--
			4.6	5400	26.0	--	5.4	68	40.	--
			7.6	11000	25.2	--	4.4	54	50.	--
			10.7	19000	24.6	--	4.1	52	30.	--
JUL 24, 75	0600	2	.3	1800	27.2	--	6.3	78	--	--
			3.0	2200	27.2	--	5.8	72	50.	--
			4.6	4200	27.2	--	5.3	66	30.	--
			7.6	10000	27.0	--	3.9	49	80.	--
			10.7	19000	26.0	--	4.4	57	50.	--
JUL 24, 75	1215	2	.3	2300	28.4	--	7.0	90	40.	54
			3.0	2800	28.2	--	6.1	78	45.	--
			4.6	5300	28.2	--	5.9	77	40.	--
			6.1	9700	28.2	--	5.4	70	35.	--
			9.8	20000	28.0	--	3.7	51	45.	--
JUL 24, 75	1815	2	.3	2300	29.9	--	5.3	71	40.	53
			3.0	2600	29.8	--	5.1	68	40.	--
			4.6	8700	29.8	--	3.9	53	30.	--
			6.1	14000	29.9	--	3.5	48	25.	--
			9.1	21000	30.0	--	2.5	35	30.	--
JUL 25, 75	1050	2	.3	2100	29.9	--	5.1	68	--	--
			3.0	2500	29.8	--	4.9	65	--	--
			6.1	6000	29.8	--	4.2	57	--	--
			10.1	20000	30.0	--	2.7	38	--	--
				LINE 107						
OCT 08, 74	1350	2	.3	160	24.4	7.0	7.6	90	40.	43
			1.5	130	23.4	6.9	7.4	86	40.	--
			3.0	130	23.3	7.0	7.2	83	40.	--
			4.6	130	23.2	6.9	7.0	80	40.	--
			6.7	230	23.1	6.9	6.2	71	40.	--
JAN 20, 75	1640	2	.3	130	11.8	6.5	8.8	81	40.	28
			1.5	130	11.7	6.5	8.8	81	50.	--
			3.0	130	11.7	6.5	8.9	82	55.	--
			6.1	130	11.7	6.5	9.0	83	55.	--
APR 07, 75	1630	2	.3	160	17.2	--	8.8	91	40.	34
			1.5	160	17.2	--	8.8	91	40.	--
			3.0	160	17.3	--	8.8	91	45.	--
			6.7	160	17.2	--	9.0	93	45.	--
MAY 20, 75	1520	2	.3	120	25.3	--	6.4	76	60.	30
			1.5	120	25.5	--	6.4	77	70.	--
			3.0	120	25.6	--	6.5	78	70.	--
			4.6	120	25.7	--	6.4	77	70.	--
			7.9	120	25.7	--	6.4	77	70.	--
JUL 25, 75	0935	2	.3	140	28.1	6.1	8.0	101	--	23

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 107 CONTINUED					
JUL 25, 75	0935	2	1.8	160	28.1	6.6	8.3	105	--	--
			3.7	160	28.1	6.6	8.2	104	--	--
			5.5	150	28.1	6.5	8.9	113	--	--
			7.3	240	28.1	7.1	5.8	73	--	--
					LINE 147					
OCT 08, 74	1425	2	.3	3600	25.7	7.0	6.5	79	60.	48
			1.5	4500	24.2	7.0	5.3	63	55.	--
			3.0	17000	24.3	7.1	4.1	51	50.	--
			4.6	12000	24.6	7.1	3.5	43	35.	--
			6.1	18000	24.9	7.2	1.8	23	10.	--
			9.1	24000	25.2	7.4	1.5	19	5.	--
			13.7	26000	25.2	7.3	1.1	14	5.	--
JAN 20, 75	1705	2	1.5	180	11.8	6.4	8.6	79	40.	28
			3.0	160	11.8	6.4	8.7	80	40.	--
			6.1	220	11.8	6.4	8.7	80	58.	--
			9.1	240	11.8	6.4	8.8	81	60.	--
			12.2	240	11.8	6.4	8.9	82	50.	--
APR 07, 75	1715	2	.3	1000	17.2	--	8.6	89	50.	38
			1.5	1000	17.1	--	8.6	89	55.	--
			3.0	1000	17.1	--	8.4	87	50.	--
			6.1	1200	17.0	--	8.2	85	50.	--
			9.1	6600	17.7	--	6.8	72	35.	--
			12.2	30000	17.7	--	5.7	66	10.	--
JUL 25, 75	1010	2	.3	4700	28.5	6.3	5.7	73	--	31
			3.0	6100	28.5	6.2	5.7	75	--	--
			6.1	18000	28.5	6.2	4.3	58	--	--
			9.1	18000	28.5	6.1	4.1	55	--	--
			13.7	18000	28.5	5.8	4.1	55	--	--
					LINE 214					
OCT 08, 74	1525	2	.3	12000	25.6	7.7	6.7	84	0.	66
			1.5	13000	25.6	7.7	8.4	105	15.	--
			3.0	18000	25.6	7.7	6.2	79	10.	--
			4.6	20000	24.9	7.8	6.0	77	10.	--
			6.1	29000	24.0	7.9	5.7	74	10.	--
			9.1	31000	23.7	7.9	6.9	90	30.	--
			13.7	31000	23.8	7.8	5.6	74	10.	--
JAN 20, 75	1735	2	.3	380	12.1	6.9	9.2	85	80.	22
			1.5	380	12.0	6.8	8.9	82	80.	--
			3.0	360	12.0	6.7	8.9	82	80.	--
			6.1	330	11.9	6.7	8.9	82	80.	--
			9.1	330	11.8	6.6	8.9	82	80.	--
			13.7	330	11.8	6.6	9.3	85	90.	--
APR 07, 75	1800	2	.3	2600	17.8	--	8.1	86	50.	38
			1.5	2600	17.8	--	8.1	86	50.	--
			3.0	2800	17.7	--	8.0	84	50.	--
			6.1	6500	17.1	--	7.3	77	50.	--
			9.1	25000	17.3	--	6.4	72	50.	--
			12.2	28000	17.4	--	6.1	70	50.	--
MAY 20, 75	1650	2	.3	200	24.5	--	6.0	71	90.	25
			1.5	200	25.6	--	5.9	71	70.	--
			3.0	200	25.5	--	5.8	70	60.	--
			6.1	200	25.2	--	5.7	68	60.	--
			13.7	200	24.7	--	5.6	67	70.	--
JUL 21, 75	1900	2	.3	6270	34.0	7.9	5.7	81	--	--
			1.5	9300	30.0	7.1	3.8	51	--	--
			3.0	23000	29.0	7.5	3.4	47	--	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)		
					LINE 214 CONTINUED							
JUL 21, 75	1900	2	6.1	24000	30.0	7.6	2.7	39	--	--		
			7.6	28000	29.5	7.7	2.8	40	--	--		
			9.1	31000	30.0	7.7	2.4	35	--	--		
JUL 21, 75	2355	2	.3	5700	33.0	7.4	5.0	70	--	--		
			1.5	6900	31.0	7.2	4.8	66	--	--		
			3.0	6900	31.0	7.1	4.6	63	--	--		
			6.1	9300	30.0	7.2	4.0	54	--	--		
			7.6	23000	30.0	7.5	3.0	43	--	--		
			9.1	27000	30.0	7.6	2.6	38	--	--		
JUL 22, 75	1100	2	.3	5900	31.0	7.8	4.5	62	--	--		
			1.5	6900	31.0	7.8	4.4	60	--	--		
			3.0	9100	31.0	7.8	4.2	58	--	--		
			4.6	14000	30.0	7.8	4.4	60	--	--		
			6.1	18000	30.0	7.8	3.9	54	--	--		
			7.6	26000	30.0	7.8	3.1	44	--	--		
			9.1	27000	30.0	7.8	2.6	38	--	--		
			10.7	27000	30.0	7.8	2.9	42	--	--		
JUL 22, 75	1230	2	.3	6800	31.5	7.8	3.6	49	--	--		
			1.5	7100	31.0	7.8	3.8	52	--	--		
			3.0	8700	30.5	7.8	4.1	55	--	--		
			4.6	14000	30.0	7.8	4.0	55	--	--		
			6.1	21000	30.0	7.8	3.4	48	--	--		
			7.6	24000	30.0	7.8	3.0	43	--	--		
			9.1	27000	30.0	7.8	3.1	45	--	--		
			10.7	24000	30.0	7.8	2.9	41	--	--		
JUL 22, 75	1300	2	.3	6300	32.0	7.8	4.0	56	--	--		
			1.5	6900	31.5	7.8	4.2	58	--	--		
			3.0	8100	30.0	7.8	4.1	55	--	--		
			4.6	14000	30.0	7.8	3.7	51	--	--		
			6.1	22000	30.0	7.8	3.2	46	--	--		
			7.6	26000	30.0	7.8	3.2	46	--	--		
			9.1	27000	30.0	7.8	2.8	41	--	--		
			10.7	30000	30.0	7.8	2.9	41	--	--		
JUL 22, 75	1400	2	.3	7100	31.0	7.8	4.5	62	--	--		
			1.5	7600	31.0	7.8	4.5	62	--	--		
			3.0	12000	30.5	7.8	3.9	53	--	--		
			4.6	14000	30.5	7.8	3.7	51	--	--		
			6.1	22000	30.0	7.8	3.2	44	--	--		
			7.6	26000	30.0	7.8	3.1	44	--	--		
			9.1	27000	30.0	7.8	3.0	43	--	--		
			10.7	30000	30.0	7.8	2.9	43	--	--		
JUL 22, 75	0600	2	.3	6900	32.0	7.2	4.8	66	--	--		
			1.5	8100	31.5	7.2	4.8	67	--	--		
			3.0	8100	31.5	7.2	4.6	64	--	--		
			6.1	11000	31.0	7.3	4.2	58	--	--		
			7.6	17000	30.5	7.4	3.3	46	--	--		
			9.1	24000	30.0	7.4	2.9	41	--	--		
JUL 22, 75	1500	2	.3	6500	31.5	7.8	4.6	64	--	--		
			1.5	7400	31.0	7.8	4.4	60	--	--		
			3.0	12000	30.5	7.8	4.0	55	--	--		
			4.6	17000	30.0	7.8	3.6	50	--	--		
			6.1	22000	30.0	7.8	3.2	46	--	--		
			7.6	26000	30.0	7.8	3.1	44	--	--		
			9.1	27000	30.0	7.8	3.0	43	--	--		
			10.7	28000	30.0	7.8	3.0	43	--	--		
JUL 22, 75	1600	2	.3	7000	31.5	7.8	4.8	67	--	--		
			1.5	7600	31.0	7.8	4.4	60	--	--		
			3.0	11000	30.0	7.8	3.9	53	--	--		
			4.6	13000	30.0	7.8	3.6	49	--	--		
			6.1	23000	30.0	7.8	3.2	46	--	--		
			7.6	26000	30.0	7.8	3.1	44	--	--		

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 214 CONTINUED					
JUL 22, 75	1600	2	9.1	30000	30.0	7.8	2.8	41	--	--
			10.7	30000	30.0	7.8	2.8	41	--	--
JUL 22, 75	1700	2	.3	7000	33.0	7.8	5.0	70	--	--
			1.5	7100	31.0	7.8	4.5	62	--	--
			3.0	11000	30.0	7.8	4.1	55	--	--
			4.6	15000	30.0	7.8	3.6	49	--	--
			6.1	23000	30.0	7.8	3.2	46	--	--
			7.6	26000	30.0	7.8	3.2	46	--	--
			9.1	28000	30.0	7.8	3.1	45	--	--
			10.7	28000	30.0	7.8	3.1	45	--	--
JUL 22, 75	1800	2	.3	7000	33.0	7.8	4.8	68	--	--
			1.5	6900	30.5	7.8	4.4	59	--	--
			3.0	12000	30.0	7.8	3.6	49	--	--
			4.6	17000	30.0	7.8	3.1	43	--	--
			6.1	22000	30.0	7.8	2.7	39	--	--
			7.6	28000	30.0	7.8	2.6	38	--	--
			9.1	30000	30.0	7.8	2.7	40	--	--
			10.7	31000	30.0	7.8	2.6	38	--	--
JUL 22, 75	2000	2	.3	7300	31.0	7.5	5.0	68	--	--
			1.5	8100	31.0	7.4	4.9	67	--	--
			3.0	11000	30.5	7.4	4.3	58	--	--
			6.1	23000	30.5	7.6	3.3	47	--	--
			7.6	28000	30.5	7.8	3.1	45	--	--
			9.1	32000	30.0	7.8	2.9	43	--	--
JUL 22, 75	2200	2	.3	7000	33.0	7.6	4.6	65	--	--
			1.5	6300	31.0	7.4	4.6	63	--	--
			3.0	8100	30.0	7.1	4.6	62	--	--
			6.1	17000	30.0	7.3	3.5	49	--	--
			7.6	27000	30.5	7.7	3.0	43	--	--
			9.1	31000	30.0	7.8	2.9	43	--	--
JUL 22, 75	2400	2	.3	6800	31.5	7.3	4.8	67	--	--
			1.5	7000	30.5	7.3	4.4	59	--	--
			3.0	7600	30.0	7.1	4.2	57	--	--
			6.1	12000	30.0	7.2	3.7	51	--	--
			7.6	21000	30.5	7.5	2.9	41	--	--
			9.1	27000	30.0	7.7	2.8	41	--	--
JUL 22, 75	0700	2	.6	6100	31.0	7.8	4.4	60	--	--
			2.1	6400	31.0	7.8	4.4	60	--	--
			3.7	9300	31.0	7.8	4.3	59	--	--
			5.2	15000	31.0	7.8	3.6	50	--	--
			6.7	18000	30.0	7.8	3.4	47	--	--
			8.2	22000	30.0	7.8	3.0	43	--	--
			10.1	22000	30.0	7.8	2.9	41	--	--
JUL 22, 75	0800	2	.3	6100	31.0	7.8	4.7	64	--	--
			1.5	6900	31.0	7.8	4.7	64	--	--
			3.0	8100	31.0	7.8	4.5	62	--	--
			4.6	13000	31.0	7.9	3.9	54	--	--
			6.1	17000	30.0	7.9	3.8	53	--	--
			7.6	19000	30.0	7.9	3.6	50	--	--
			9.1	23000	30.0	7.9	3.3	47	--	--
			10.7	24000	30.0	7.9	2.9	41	--	--
JUL 22, 75	0900	2	.3	6300	31.0	7.8	4.6	63	--	--
			1.5	6400	31.0	7.8	4.5	62	--	--
			3.0	11000	31.0	7.8	4.3	59	--	--
			4.6	12000	31.0	7.8	4.2	58	--	--
			6.1	18000	31.0	7.8	3.8	54	--	--
			7.6	23000	30.0	7.8	3.2	46	--	--
			9.1	26000	30.0	7.8	3.0	43	--	--
			10.7	26000	30.0	7.8	3.0	43	--	--
JUL 22, 75	1000	2	.3	6600	31.0	7.8	4.6	63	--	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 214 CONTINUED						
JUL 22, 75	1000	2	1.5	6500	31.0	7.8	4.6	63	--	--
			3.0	8300	31.0	7.8	4.4	60	--	--
			4.6	12000	30.0	7.8	4.2	58	--	--
			6.1	17000	30.0	7.8	3.9	54	--	--
			7.6	23000	30.0	7.8	3.2	46	--	--
			9.1	27000	30.0	7.8	2.9	42	--	--
			10.7	27000	30.0	7.8	2.9	42	--	--
JUL 23, 75	1300	2	.3	6400	31.5	7.8	3.8	53	--	--
			1.5	6800	30.5	7.8	3.8	51	--	--
			3.0	8000	30.5	7.8	3.8	51	--	--
			4.6	14000	30.0	7.8	3.6	49	--	--
			6.1	23000	30.0	7.6	2.9	--	--	--
			7.6	27000	30.0	7.8	2.7	39	--	--
			9.1	30000	30.0	7.8	2.6	38	--	--
			10.7	31000	30.0	7.8	2.6	38	--	--
JUL 23, 75	1500	2	.3	6800	31.5	--	4.9	68	--	--
			1.5	6800	30.0	7.7	4.4	59	--	--
			3.0	11000	30.0	7.8	4.1	55	--	--
			4.6	13000	30.0	7.8	3.5	48	--	--
			6.1	21000	30.0	7.8	3.1	44	--	--
			7.6	28000	30.0	7.8	2.7	39	--	--
			9.1	31000	30.0	7.8	2.5	37	--	--
			10.7	32000	30.0	7.8	2.5	37	--	--
JUL 23, 75	1400	2	.3	6300	31.5	--	3.8	53	--	--
			1.5	7000	30.5	7.3	4.4	59	--	--
			3.0	7000	30.0	7.1	4.2	57	--	--
			4.6	12000	30.0	7.8	3.3	45	--	--
			6.1	12000	30.0	7.2	3.7	51	--	--
			6.1	23000	30.0	7.8	2.6	37	--	--
			7.6	21000	30.5	7.5	2.9	41	--	--
			7.6	27000	30.0	7.8	2.5	36	--	--
			9.1	27000	30.0	7.7	2.8	41	--	--
			9.1	30000	30.0	7.8	2.4	35	--	--
			10.7	31000	30.0	7.8	3.5	48	--	--
JUL 23, 75	0200	2	.3	6800	31.0	7.2	4.9	67	--	--
			1.5	7000	30.5	7.4	4.3	58	--	--
			3.0	7000	30.5	7.2	4.3	58	--	--
			6.1	11000	30.5	7.2	3.7	50	--	--
			7.6	19000	30.0	7.4	3.0	42	--	--
			9.1	28000	30.0	7.6	2.5	36	--	--
JUL 23, 75	0700	2	.3	6400	31.0	7.8	4.5	62	--	--
			1.5	6500	31.0	7.8	4.5	62	--	--
			3.0	7000	30.5	7.8	4.1	55	--	--
			4.6	11000	30.5	7.8	3.8	51	--	--
			6.1	13000	30.0	7.8	3.5	48	--	--
			7.6	19000	30.0	7.8	3.1	43	--	--
			9.1	24000	30.0	7.8	2.9	41	--	--
			10.7	24000	30.0	7.8	2.9	41	--	--
JUL 23, 75	0800	2	.3	6800	30.5	7.8	4.6	62	--	--
			4.6	12000	30.5	7.8	4.0	55	--	--
			6.1	15000	30.0	7.8	3.6	49	--	--
			7.6	18000	30.0	7.8	3.4	47	--	--
			9.1	24000	30.0	7.8	2.9	41	--	--
			10.7	27000	30.0	7.8	2.7	39	--	--
JUL 23, 75	0900	2	.3	6500	30.5	7.8	4.5	61	--	--
			1.5	7100	30.5	7.8	4.4	59	--	--
			3.0	11000	30.5	7.8	4.2	57	--	--
			4.6	13000	30.5	7.8	4.0	55	--	--
			6.1	17000	30.5	7.8	3.7	51	--	--
			7.6	23000	30.0	7.8	3.1	44	--	--
			9.1	26000	30.0	7.8	2.9	41	--	--
			10.7	28000	30.0	7.8	2.7	39	--	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 214 CONTINUED						
JUL 23, 75	1000	2	.3	7100	31.0	7.8	4.4	60	--	--
			1.5	7100	31.0	7.8	4.1	56	--	--
			3.0	8600	30.5	7.8	3.9	53	--	--
			4.6	13000	30.5	7.8	3.6	49	--	--
			6.1	18000	30.5	7.8	3.4	47	--	--
			7.6	23000	30.0	7.8	2.9	41	--	--
			9.1	27000	30.0	7.8	2.7	39	--	--
			10.7	27000	30.0	7.8	2.7	39	--	--
JUL 23, 75	1100	2	.3	6500	31.0	7.8	4.5	62	--	--
			1.5	7000	30.5	7.8	4.2	57	--	--
			3.0	9100	30.5	7.8	4.1	55	--	--
			4.6	13000	30.5	7.8	3.9	53	--	--
			6.1	19000	30.0	7.8	3.5	49	--	--
			7.6	26000	30.0	7.8	2.9	41	--	--
			9.1	30000	30.0	7.8	--	--	--	--
			10.7	30000	30.0	7.8	2.5	37	--	--
JUL 23, 75	0400	2	.3	6800	31.5	7.4	4.3	60	--	--
			1.5	7000	31.0	7.4	4.4	60	--	--
			3.0	7000	31.0	7.3	4.3	59	--	--
			6.1	11000	30.5	7.2	4.0	54	--	--
			7.6	13000	30.0	7.2	3.6	49	--	--
			9.1	22000	30.0	7.4	2.7	39	--	--
JUL 23, 75	0600	2	.3	7000	31.5	7.2	4.6	64	--	--
			1.5	8100	31.5	7.1	4.5	62	--	--
			3.0	8100	31.0	7.2	4.5	62	--	--
			6.1	11000	30.5	7.2	3.8	51	--	--
			7.6	14000	30.5	7.2	3.5	48	--	--
			9.1	19000	30.5	7.4	3.3	46	--	--
JUL 23, 75	1200	2	.3	6700	31.5	7.8	4.2	58	--	--
			1.5	6800	30.5	7.8	4.0	54	--	--
			3.0	12000	30.5	7.8	3.8	52	--	--
			4.6	13000	30.0	7.8	3.6	49	--	--
			6.1	19000	30.0	7.8	3.3	46	--	--
			7.6	27000	30.0	7.8	2.8	41	--	--
			9.1	30000	30.0	7.8	2.6	38	--	--
			10.7	26000	30.0	7.8	2.8	40	--	--
JUL 23, 75	1600	2	.3	6800	32.0	7.7	5.0	69	--	--
			1.5	6900	30.0	7.7	4.6	62	--	--
			3.0	11000	30.0	7.7	4.0	54	--	--
			4.6	15000	30.0	7.7	3.5	48	--	--
			6.1	23000	30.0	7.7	2.9	41	--	--
			7.6	28000	30.0	7.7	2.8	41	--	--
			9.1	32000	30.0	7.7	2.5	37	--	--
			10.7	32000	30.0	7.7	2.4	35	--	--
JUL 23, 75	1700	2	.3	7500	32.0	7.8	5.0	69	--	--
			1.5	7600	31.5	7.8	4.9	68	--	--
			3.0	8300	31.0	7.8	4.1	56	--	--
			4.6	14000	30.5	7.8	3.5	48	--	--
			6.1	19000	30.0	7.7	3.2	44	--	--
			7.6	28000	30.0	7.7	2.6	38	--	--
			9.1	30000	30.0	7.7	2.6	38	--	--
			10.7	32000	30.0	7.7	2.6	38	--	--
JUL 23, 75	1800	2	.3	7900	33.0	7.8	5.3	75	--	--
			1.5	7000	31.0	7.8	4.7	64	--	--
			3.0	8500	30.0	7.8	4.0	54	--	--
			4.6	17000	30.0	7.8	3.3	46	--	--
			6.1	22000	30.0	7.8	3.1	44	--	--
			7.0	27000	30.0	7.8	2.9	42	--	--
			9.1	31000	30.0	7.8	2.8	41	--	--
			10.7	29000	30.0	7.8	2.8	41	--	--
JUL 23, 75	2400	2	.3	7500	33.0	7.4	4.4	62	--	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
LINE 214 CONTINUED										
JUL 23, 75	2400	2	1.5	5800	30.0	7.1	4.3	58	--	--
			3.0	8100	30.5	7.2	4.1	55	--	--
			4.6	12000	30.5	7.3	3.7	51	--	--
			6.1	17000	30.5	7.3	3.3	46	--	--
			7.6	28000	30.5	7.7	2.8	41	--	--
			9.1	29000	30.0	7.7	2.8	41	--	--
JUL 24, 75	0600	2	.3	2600	31.0	7.2	4.4	59	--	--
			1.5	6000	31.0	7.2	4.3	59	--	--
			3.0	5900	30.5	7.2	4.2	57	--	--
			4.6	6100	30.5	7.1	4.2	57	--	--
			6.1	7500	30.0	7.1	3.9	53	--	--
			7.6	11000	29.5	7.1	3.7	49	--	--
			9.1	28000	30.0	7.4	2.7	39	--	--
JUL 24, 75	0700	2	.3	5800	30.0	7.8	4.2	57	--	--
			1.5	6000	31.0	7.8	4.2	58	--	--
			3.0	6400	31.0	7.8	4.2	58	--	--
			4.6	7500	31.0	7.8	4.1	56	--	--
			6.1	12000	30.0	7.8	3.3	45	--	--
			7.6	19000	30.0	7.8	2.9	40	--	--
			9.1	27000	30.0	7.8	2.5	36	--	--
			10.7	30000	30.0	7.8	2.4	35	--	--
JUL 24, 75	0800	2	.3	6500	31.0	7.8	4.3	59	--	--
			1.5	6600	31.0	7.8	4.3	59	--	--
			3.0	6900	31.0	7.8	4.3	59	--	--
			4.6	8200	30.5	7.8	3.9	53	--	--
			6.1	13000	30.0	7.8	3.3	45	--	--
			7.6	22000	30.0	7.8	2.8	40	--	--
			9.1	28000	30.0	7.8	2.6	38	--	--
			10.7	31000	30.0	7.8	2.4	35	--	--
JUL 24, 75	0900	2	.3	6000	30.5	7.8	4.1	55	--	--
			1.5	6800	31.0	7.8	4.0	55	--	--
			3.0	7000	30.5	7.8	4.0	54	--	--
			4.6	8500	30.5	7.8	3.7	50	--	--
			6.1	15000	30.0	7.8	3.3	45	--	--
			7.6	22000	30.0	7.8	2.8	40	--	--
			9.1	28000	30.0	7.8	2.5	36	--	--
			10.7	32000	30.0	7.8	2.4	35	--	--
JUL 24, 75	1000	2	.3	6100	31.0	7.8	4.2	58	--	--
			1.5	6400	31.0	7.8	4.0	55	--	--
			3.0	7600	30.5	7.8	3.9	53	--	--
			4.6	11000	30.5	7.8	3.7	50	--	--
			6.1	18000	30.0	7.8	3.3	46	--	--
			7.6	23000	30.0	7.8	2.9	41	--	--
			9.1	28000	30.0	7.8	2.5	36	--	--
			10.7	32000	30.0	7.8	2.2	32	--	--
JUL 24, 75	1100	2	.3	6300	31.0	7.8	4.1	56	--	--
			1.5	7000	31.0	7.8	3.9	53	--	--
			3.0	7400	30.5	7.8	3.9	53	--	--
			4.6	11000	30.5	7.8	3.8	51	--	--
			6.1	15000	30.0	7.8	3.7	51	--	--
			7.6	22000	30.0	7.8	3.0	43	--	--
			9.1	28000	30.0	7.8	2.5	36	--	--
			10.7	32000	30.0	7.8	2.3	34	--	--
JUL 24, 75	1200	2	.3	7000	31.0	7.8	4.2	58	--	--
			1.5	6800	31.0	7.8	4.0	55	--	--
			3.0	7900	30.5	7.8	3.8	51	--	--
			4.6	9500	30.5	7.8	3.6	49	--	--
			6.1	17000	30.0	7.8	3.4	47	--	--
			7.6	22000	30.0	7.8	2.8	40	--	--
			9.1	30000	30.0	7.8	2.3	34	--	--
			10.7	29000	30.0	7.8	2.3	34	--	--
JUL 24, 75	1300	2	.3	6500	31.0	7.8	3.7	51	--	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 214 CONTINUED					
JUL 24, 75	1300	2	1.5	7000	31.0	7.8	3.5	48	--	--
			3.0	7500	30.5	7.8	3.5	47	--	--
			4.6	14000	30.5	7.8	3.3	45	--	--
			6.1	21000	30.0	7.8	3.1	44	--	--
			7.6	26000	30.0	7.8	2.7	39	--	--
			9.1	30000	30.0	7.8	2.3	34	--	--
			10.7	32000	30.0	7.8	2.3	34	--	--
JUL 24, 75	1400	2	.3	6300	31.5	7.8	3.3	46	--	--
			3.0	9400	30.5	7.8	3.1	42	--	--
			4.6	13000	30.5	7.8	2.9	40	--	--
			6.1	23000	30.0	7.8	2.6	37	--	--
			7.6	26000	30.0	7.8	2.3	33	--	--
			9.1	31000	30.0	7.8	1.8	26	--	--
			10.7	31000	30.0	7.8	2.0	29	--	--
JUL 24, 75	1500	2	.3	6900	31.5	7.8	3.8	53	--	--
			1.5	6900	31.0	7.8	3.6	49	--	--
			3.0	8900	30.0	7.8	3.5	47	--	--
			4.6	14000	30.0	7.8	3.3	45	--	--
			6.1	21000	30.0	7.8	2.7	38	--	--
			7.6	27000	30.0	7.8	2.4	35	--	--
			9.1	30000	30.0	7.8	2.1	31	--	--
			10.7	31000	30.0	7.8	2.0	29	--	--
JUL 24, 75	1600	2	.3	6900	32.0	7.8	4.6	64	--	--
			1.5	6900	31.0	7.8	4.2	58	--	--
			3.0	12000	30.0	7.8	3.4	47	--	--
			4.6	14000	30.0	7.8	3.4	47	--	--
			6.1	22000	30.0	7.8	2.8	40	--	--
			7.6	26000	30.0	7.8	2.4	34	--	--
			9.1	31000	30.0	7.8	2.0	29	--	--
			10.7	32000	30.0	7.8	1.9	28	--	--
JUL 24, 75	1700	2	.3	7300	32.5	7.8	4.6	64	--	--
			1.5	7300	32.0	7.8	4.3	60	--	--
			3.0	8000	31.0	7.8	4.0	55	--	--
			4.6	13000	30.5	7.8	3.6	49	--	--
			6.1	18000	30.0	7.8	2.9	40	--	--
			7.6	26000	30.0	7.8	2.5	36	--	--
			9.1	28000	30.0	7.8	2.1	30	--	--
			10.7	31000	30.0	7.8	2.2	32	--	--
JUL 24, 75	1800	2	.3	7200	31.5	7.0	4.3	60	--	--
			1.5	7700	31.0	7.8	3.8	52	--	--
			3.0	11000	30.5	7.8	3.6	49	--	--
			4.6	17000	30.5	7.8	2.7	38	--	--
			6.1	22000	30.0	7.8	2.4	34	--	--
			7.6	24000	30.0	7.8	2.3	33	--	--
			9.1	28000	30.0	7.8	2.2	32	--	--
			10.7	28000	30.0	7.8	2.1	31	--	--
JUL 25, 75	1050	2	.3	6500	29.9	6.7	5.0	68	35.	--
			2.1	12000	29.7	6.8	5.2	71	20.	--
			4.6	25000	29.5	7.0	4.5	64	25.	--
			9.1	25000	29.5	7.0	4.1	59	20.	--
			14.9	25000	29.1	6.9	4.5	63	49.	--
					LINE 244					
OCT 08, 74	1710	1	.3	12000	24.6	8.2	9.6	117	10.	99
			.9	15000	23.7	7.8	8.3	101	10.	--
			1.8	18000	24.0	7.7	7.8	98	15.	--
JAN 21, 75	1005	1	.3	600	11.2	7.1	9.2	84	40.	26
			.9	490	11.2	7.1	9.2	84	60.	--
			2.1	950	11.9	7.0	8.4	78	30.	--
MAY 20, 75	1510	1	.3	300	25.9	7.1	7.8	95	50.	51

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 244 CONTINUED						
MAY 20, 75	1510	1	1.8	300	25.9	7.0	7.8	95	50.	--
JUL 25, 75	1135	1	.3	5100	29.9	6.5	5.3	72	20.	116
			2.1	5500	29.9	6.9	5.8	78	30.	--
OCT 08, 74	1700	2	.3	14000	24.9	8.1	9.5	117	10.	107
			1.8	16000	24.0	7.7	7.7	95	15.	--
JAN 21, 75	1000	2	.3	200	12.1	6.8	8.9	82	35.	40
			2.1	210	12.0	6.8	8.9	82	45.	--
MAY 20, 75	1500	2	.3	400	25.0	6.9	7.4	88	80.	25
			2.1	400	25.0	6.9	7.4	88	80.	--
JUL 25, 75	1130	2	.3	5700	29.9	6.8	5.4	73	30.	127
			2.1	5500	29.8	6.6	5.6	76	25.	--
OCT 08, 74	1650	3	.3	15000	24.7	8.2	11.1	139	10.	102
			.9	16000	24.7	8.2	10.6	132	10.	--
			1.9	18000	24.2	8.0	8.1	101	20.	--
JAN 21, 75	0950	3	.3	260	11.9	6.9	9.2	85	70.	26
			2.1	270	11.8	6.9	9.2	84	62.	--
MAY 20, 75	1450	3	.3	150	24.0	6.8	7.2	85	70.	33
			1.8	150	24.0	6.8	7.2	85	75.	--
JUL 25, 75	1125	3	.3	6100	30.0	6.6	5.4	73	30.	71
			2.1	6100	30.0	7.1	5.2	70	70.	--
OCT 08, 74	1625	4	.3	14000	26.8	8.1	8.2	105	20.	56
			1.5	15000	25.9	8.1	7.3	94	25.	--
JAN 21, 75	0935	4	.3	590	11.0	6.9	9.1	82	72.	23
			.9	590	11.0	6.9	9.1	82	70.	--
APR 08, 75	1715	4	.3	3300	18.0	7.4	8.9	95	45.	38
			1.8	3200	18.0	7.4	8.8	94	40.	--
MAY 20, 75	1430	4	.3	240	26.0	7.0	7.3	89	130.	20
			1.5	240	26.0	7.0	7.2	88	130.	--
JUL 25, 75	1115	4	.3	7600	29.9	7.4	6.0	81	30.	--
			1.8	9100	29.9	6.5	4.9	66	50.	--
OCT 08, 74	1610	5	.3	15000	27.1	8.1	6.4	109	10.	71
			1.2	15000	26.6	8.1	8.2	105	15.	--
JAN 21, 75	0930	5	.3	840	11.0	7.0	9.0	81	70.	22
			.9	840	11.0	7.0	7.8	70	75.	--
MAY 20, 75	1410	5	.3	200	26.5	7.2	7.9	96	90.	29
			1.2	200	26.5	7.1	7.8	95	90.	--
JUL 25, 75	1105	5	.3	6500	30.0	6.6	5.4	73	20.	--
			.9	6200	30.0	6.6	5.2	70	20.	--
				LINE 274						
OCT 08, 74	1730	1	.3	12000	25.0	8.0	8.8	109	5.	94
			.9	12000	24.8	7.7	8.4	104	10.	--
			1.5	12000	23.4	7.5	7.6	92	10.	--
JAN 21, 75	1040	1	.3	600	11.8	7.3	8.7	80	90.	26
			.9	610	11.8	7.2	8.8	81	60.	--
			1.5	2200	12.0	7.1	8.3	78	125.	--
MAY 20, 75	1330	1	.3	450	25.1	7.2	7.8	93	45.	67

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 274 CONTINUED					
MAY 20, 75	1330	1	1.8	450	25.1	7.2	7.9	94	45.	--
JUL 25, 75	1230	1	.3	5000	29.1	6.5	5.4	70	10.	104
			2.4	5800	29.1	6.5	6.0	79	5.	--
OCT 08, 74	1740	2	.3	9700	24.4	8.3	9.7	118	5.	84
			.9	12000	23.4	8.2	8.8	106	10.	--
			2.1	18000	23.0	7.3	6.4	78	10.	--
JAN 21, 75	1045	2	.3	400	11.0	7.1	9.7	87	110.	25
			1.2	380	11.0	7.2	9.8	88	100.	--
			2.4	390	11.0	7.3	9.6	86	105.	--
APR 08, 75	1620	2	.3	840	18.3	7.6	9.2	97	35.	46
			1.2	840	18.3	7.6	9.2	97	45.	--
			2.4	840	18.3	7.5	9.0	95	45.	--
MAY 20, 75	1340	2	.3	260	24.7	7.2	8.4	100	45.	74
			2.4	260	24.9	7.2	8.1	96	40.	--
JUL 25, 75	1215	2	.3	5800	29.0	6.5	5.6	74	20.	143
			2.7	5800	29.0	6.4	5.4	71	225.	--
JUL 25, 75	1200	2	.3	5100	29.0	6.4	5.8	76	20.	90
			2.4	5100	29.0	6.4	5.3	70	25.	--
OCT 08, 74	1805	3	.3	12000	23.9	8.2	9.1	111	0.	137
			.9	14000	23.3	8.2	9.1	108	5.	--
			2.1	15000	23.5	8.1	8.1	99	5.	--
JAN 21, 75	1100	3	.3	460	11.2	7.0	9.5	86	80.	22
			2.1	460	11.1	7.0	9.9	89	80.	--
MAY 20, 75	1350	3	.5	100	24.9	7.1	7.9	94	30.	62
			2.4	100	24.9	7.1	8.0	95	45.	--
JUL 25, 75	1205	3	.3	5400	29.0	6.3	5.3	70	20.	120
			2.4	5900	29.0	6.1	5.2	68	10.	--
OCT 08, 74	1815	4	.3	13000	25.0	8.3	9.7	120	0.	122
			.9	13000	24.9	8.3	9.5	117	0.	--
			1.8	12000	24.3	8.1	8.6	105	5.	--
JAN 21, 75	1115	4	.3	1000	10.5	7.0	9.5	85	30.	51
			1.5	1100	10.8	7.0	9.4	85	35.	--
MAY 20, 75	1400	4	.3	100	25.6	7.1	7.5	90	40.	53
			1.8	200	25.5	7.1	7.5	90	40.	--
					LINE 300					
OCT 08, 74	1830	1	.3	12000	24.7	8.1	9.4	115	0.	--
			.9	11000	24.7	8.1	9.3	113	0.	--
			1.8	11000	24.7	8.1	9.3	113	0.	--
OCT 09, 74	1010	1	.3	20000	23.0	7.9	7.6	94	10.	122
			.9	23000	23.0	7.9	7.4	91	10.	--
			2.1	24000	23.0	7.9	7.6	94	5.	--
JAN 21, 75	1145	1	.3	4800	11.9	7.2	8.7	81	85.	22
			2.1	4600	11.9	7.2	8.8	82	90.	--
MAY 20, 75	1240	1	.3	400	25.1	7.6	7.9	94	50.	54
			1.8	500	25.1	7.6	7.9	94	50.	--
JUL 25, 75	1030	1	.3	12000	28.0	--	6.8	89	20.	90
			1.8	24000	27.7	--	4.7	64	20.	--
OCT 09, 74	1030	2	.3	17000	23.0	7.9	7.9	96	5.	91

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 300 CONTINUED						
OCT 09, 74	1030	2	.9	19000	23.0	7.9	7.9	96	10.	--
			2.1	23000	23.0	7.9	7.8	95	10.	--
JAN 21, 75	1155	2	.3	210	11.0	7.2	9.5	86	120.	18
			.9	170	11.0	7.2	9.6	86	160.	--
			2.1	380	11.1	7.4	9.6	86	140.	--
APR 08, 75	1050	2	.3	4400	16.0	--	10.5	106	60.	--
			1.5	4600	16.0	--	10.5	106	60.	--
			4.0	4800	16.0	--	10.4	105	60.	--
MAY 20, 75	1245	2	.3	1600	25.0	7.4	7.5	89	50.	33
			2.4	3100	24.2	7.0	6.3	75	90.	--
JUL 25, 75	1035	2	.3	16000	28.4	--	6.4	85	20.	95
			2.3	22000	28.1	--	4.3	59	20.	--
OCT 09, 74	1045	3	.3	14000	23.0	7.8	8.3	99	0.	145
			.9	13000	23.0	7.8	8.1	96	0.	--
			1.5	23000	23.0	7.9	7.8	96	5.	--
JAN 21, 75	1205	3	.3	350	11.9	7.1	9.5	88	65.	26
			1.8	360	11.7	7.0	9.6	88	70.	--
MAY 20, 75	1320	3	.3	300	26.0	7.6	8.3	101	50.	61
			1.8	300	25.9	7.6	8.3	101	50.	--
JUL 25, 75	1045	3	.3	9800	28.9	--	7.1	93	25.	96
			1.5	20000	28.7	--	5.7	79	20.	--
				LINE 308						
JUL 21, 75	1900	2	.3	7900	29.0	8.4	9.8	128	0.	--
			4.6	40000	28.0	7.9	7.9	116	--	--
			10.1	40000	28.0	7.9	7.2	105	100.	--
JUL 21, 75	2100	2	.3	19000	28.0	7.9	8.6	112	45.	--
			4.6	12000	28.0	7.7	8.0	105	45.	--
			10.7	12000	28.7	7.8	7.5	100	100.	--
JUL 21, 75	2300	2	.3	5700	28.0	7.5	7.6	99	70.	--
			4.6	7100	28.0	7.4	7.6	99	70.	--
			9.4	7100	28.0	7.4	7.6	99	70.	--
JUL 22, 75	0100	2	.3	4500	28.0	7.2	7.7	99	35.	--
			4.6	6000	28.0	7.2	7.6	99	50.	--
			9.1	16000	27.0	7.2	8.4	109	70.	--
JUL 22, 75	0300	2	.3	10000	28.0	7.2	7.6	99	80.	--
			4.6	17000	28.0	7.2	7.8	105	105.	--
			10.4	19000	27.0	7.2	8.3	109	150.	--
JUL 22, 75	0500	2	.3	22000	28.0	7.1	6.7	92	35.	--
			4.6	22000	28.0	7.1	6.4	88	95.	--
			7.6	21000	28.0	7.2	6.4	88	150.	--
JUL 22, 75	0700	2	.3	19000	28.2	7.2	6.4	86	--	--
			3.0	26000	28.2	7.2	6.1	85	--	--
			6.1	25000	28.2	7.1	6.2	86	--	--
			9.1	34000	28.2	7.2	6.0	87	--	--
JUL 22, 75	0900	2	.3	26000	28.2	7.1	5.3	73	25.	--
			3.0	29000	28.2	7.1	5.6	79	25.	--
			6.1	39000	28.2	7.1	5.1	75	25.	--
			9.1	39000	28.2	7.1	5.7	84	30.	--
JUL 22, 75	1100	2	.3	24000	28.2	7.1	5.0	68	10.	--
			3.0	24000	28.2	7.1	5.0	68	10.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 308 CONTINUED					
JUL 22, 75	1100	2	6.1	39000	28.2	7.1	4.5	66	30.	--
			9.1	40000	28.2	7.1	4.5	66	30.	--
JUL 22, 75	1300	2	.3	19000	28.2	7.1	5.5	74	10.	--
			3.0	28000	28.2	7.1	5.0	70	10.	--
			6.1	35000	28.2	7.1	4.6	67	20.	--
			9.1	39000	28.2	7.1	5.3	78	30.	--
JUL 22, 75	1500	2	.3	19000	28.2	7.1	5.5	74	60.	--
			3.0	24000	28.2	7.2	5.2	71	30.	--
			6.1	28000	28.2	7.2	5.0	70	35.	--
			9.1	40000	28.2	7.2	4.9	72	70.	--
JUL 22, 75	1700	2	.3	18000	28.2	7.1	5.3	72	40.	--
			3.0	32000	28.2	7.1	4.7	67	30.	--
			6.1	37000	28.2	7.1	4.6	67	40.	--
			9.1	41000	28.2	7.1	4.7	69	70.	--
JUL 22, 75	1900	2	.3	16000	28.0	7.1	6.6	88	55.	--
			4.6	34000	28.0	7.1	4.8	70	55.	--
			9.8	41000	27.0	7.1	4.8	70	55.	--
JUL 22, 75	2100	2	.3	11000	28.0	7.1	7.0	91	115.	--
			4.6	12000	28.0	7.1	6.9	91	120.	--
			8.8	12000	27.0	7.1	6.4	82	120.	--
JUL 22, 75	2300	2	.3	6900	28.0	7.1	6.0	78	130.	--
			5.2	7000	28.0	7.1	5.8	75	110.	--
			10.1	8500	27.0	7.1	6.1	77	110.	--
JUL 23, 75	0100	2	.3	4300	27.0	7.1	7.9	99	110.	--
			4.9	5000	27.0	7.1	7.9	99	120.	--
			9.8	6400	28.9	7.1	8.6	112	120.	--
JUL 23, 75	0300	2	.3	5600	27.0	7.0	7.4	94	100.	--
			3.0	13000	28.0	7.0	7.1	93	100.	--
			7.0	16000	27.6	6.9	7.4	96	110.	--
JUL 23, 75	0500	2	.3	12000	28.0	7.0	7.5	99	140.	--
			4.6	26000	28.0	7.0	6.7	93	120.	--
			9.1	26000	27.0	7.1	5.1	69	120.	--
JUL 23, 75	0700	2	.3	19000	28.2	7.3	5.1	69	10.	--
			3.0	19000	28.1	7.3	5.3	72	10.	--
			6.1	18000	28.1	7.3	5.3	72	10.	--
			9.1	22000	28.2	7.3	5.2	71	30.	--
JUL 23, 75	1215	2	.3	22000	28.2	7.3	4.8	66	20.	--
			3.0	22000	28.2	7.3	4.8	66	20.	--
			6.1	21000	28.2	7.3	4.6	63	30.	--
			9.1	37000	28.2	7.3	4.6	67	60.	--
JUL 23, 75	1815	2	.3	29000	28.2	7.3	4.2	59	10.	--
			3.0	30000	28.2	7.3	4.1	59	10.	--
			6.1	29000	28.2	7.3	4.4	62	20.	--
			9.1	40000	28.2	7.3	3.9	57	50.	--
JUL 23, 75	2400	2	.3	8700	27.0	--	5.8	73	45.	--
			4.9	7900	27.0	--	6.0	76	45.	--
			9.8	9300	27.0	--	5.6	71	70.	--
JUL 24, 75	0600	2	.3	14000	27.0	--	5.5	71	20.	--
			4.0	23000	27.0	--	4.7	63	30.	--
			8.2	32000	27.0	--	5.1	71	50.	--
JUL 24, 75	1215	2	.3	24000	28.2	7.2	3.4	47	10.	--
			3.0	33000	28.2	7.2	3.8	55	10.	--
			6.1	40000	28.2	7.2	3.5	52	30.	--
			9.1	40000	28.2	7.2	3.5	52	20.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
				LINE 308 CONTINUED						
JUL 24, 75	1815	2	.3	21000	28.2	7.4	4.2	58	10.	--
			3.0	25000	28.2	7.4	3.9	54	15.	--
			6.1	40000	28.2	7.4	3.5	52	20.	--
			9.1	40000	28.2	7.6	4.1	60	30.	--
				LINE 323						
OCT 08, 74	1710	2	.3	17000	26.0	8.2	7.7	100	20.	81
			3.0	17000	25.5	8.0	7.7	99	20.	--
			6.1	21000	25.2	7.9	6.2	79	20.	--
			13.1	31000	23.9	7.9	5.7	75	90.	--
JAN 21, 75	0910	2	.3	640	11.8	7.0	8.7	80	105.	20
			1.5	650	11.8	7.1	8.6	79	120.	--
			3.0	750	11.8	7.2	8.6	79	110.	--
			6.1	1400	11.9	7.3	8.4	78	80.	--
			9.1	12500	12.2	7.3	7.2	69	130.	--
			10.7	32000	13.2	7.8	6.7	71	90.	--
			13.4	37000	13.9	7.8	6.5	72	150.	--
APR 08, 75	1000	2	.3	4400	17.8	--	9.4	100	50.	37
			1.5	4500	17.8	--	9.4	100	50.	--
			3.0	5500	17.7	--	9.0	96	45.	--
			4.6	9200	17.5	--	8.5	91	40.	--
			6.1	14000	17.4	--	8.1	88	25.	--
			9.1	25000	17.0	--	7.9	89	15.	--
			12.2	28000	16.8	--	8.0	91	25.	--
MAY 20, 75	1415	2	.3	100	24.1	6.8	5.8	68	80.	28
			3.0	100	24.0	6.8	5.7	67	80.	--
			6.1	200	24.0	7.0	5.5	65	80.	--
			12.2	200	24.1	7.0	3.7	44	80.	--
JUL 22, 75	0045	2	.3	7000	30.0	7.5	6.0	81	60.	--
			1.5	7500	29.5	7.3	5.7	77	40.	--
			3.0	7500	30.0	7.3	5.9	80	--	--
			6.1	8500	30.0	7.3	5.0	68	70.	--
			9.1	17000	29.5	7.4	3.8	54	65.	--
			12.5	21000	29.5	7.5	4.1	58	60.	--
JUL 22, 75	0815	2	.3	10000	29.9	7.3	4.9	67	--	--
			3.0	13000	29.9	7.3	4.6	64	--	--
			6.1	19000	29.7	7.5	3.7	52	--	--
			9.1	25000	29.2	7.6	3.3	47	--	--
			14.6	25000	29.2	7.6	3.1	44	--	--
JUL 22, 75	0950	2	.3	11000	29.9	7.3	5.4	75	95.	--
			3.0	13000	29.9	7.4	5.0	69	75.	--
			6.1	21000	29.5	7.6	4.4	63	70.	--
			9.1	21000	29.2	7.7	3.7	53	60.	--
			13.7	27000	29.2	7.6	3.4	49	200.	--
JUL 22, 75	1210	2	.3	12000	30.2	7.4	5.5	76	45.	--
			3.0	19000	30.1	7.4	4.9	70	35.	--
			6.1	19000	29.8	7.6	4.4	63	40.	--
			9.1	25000	29.7	7.7	3.8	55	--	--
			12.8	27000	29.7	7.6	3.8	56	--	--
JUL 22, 75	1355	2	.3	13000	29.9	7.5	5.6	77	95.	--
			3.0	19000	29.9	7.6	5.0	71	95.	--
			6.1	21000	29.5	7.7	4.3	61	90.	--
			9.1	26000	29.2	7.8	3.8	55	90.	--
			14.6	22000	29.2	7.7	3.7	53	105.	--
JUL 22, 75	1550	2	.3	13000	30.0	7.5	6.1	85	40.	--
			3.0	15000	29.9	7.5	5.1	71	30.	--
			6.1	21000	29.7	7.7	4.4	63	30.	--
			9.1	27000	29.4	7.7	3.9	57	40.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)	
					LINE 323 CONTINUED						
JUL 22, 75	1550	2	13.7	27000	29.4	7.7	3.9	57	140.	--	
JUL 22, 75	1750	2	.3	13000	30.0	7.5	5.9	82	--	--	
			3.0	15000	29.9	7.5	5.1	71	--	--	
			6.1	23000	29.4	7.7	4.4	63	--	--	
			9.1	27000	29.3	7.8	3.8	56	--	--	
			13.4	27000	29.3	7.7	4.1	60	--	--	
JUL 22, 75	0550	2	.3	8000	29.5	7.2	5.3	72	30.	--	
			1.5	8500	29.5	7.3	5.3	72	50.	--	
			3.0	8500	30.0	7.3	5.0	68	40.	--	
			6.1	16000	29.4	7.5	3.9	55	50.	--	
			9.1	22000	29.0	7.5	3.3	47	60.	--	
			13.4	23000	29.0	7.6	3.4	49	140.	--	
JUL 23, 75	1200	2	.3	11000	30.0	7.3	5.0	69	--	--	
			3.0	14000	30.0	7.4	4.5	62	--	--	
			6.1	20000	30.0	7.5	3.9	56	--	--	
			9.1	28000	29.9	7.7	3.0	45	--	--	
			14.0	30000	29.8	7.7	3.3	49	--	--	
JUL 23, 75	1800	2	.3	15000	30.2	7.5	5.6	78	--	--	
			3.0	19000	30.0	7.4	4.8	69	--	--	
			6.1	21000	29.9	7.6	3.9	57	--	--	
			9.1	25000	29.9	7.7	3.2	46	--	--	
			14.0	24000	29.9	7.5	2.3	33	--	--	
JUL 23, 75	0045	2	.3	7500	29.5	7.2	5.8	78	--	--	
			1.5	8500	29.5	7.2	5.6	76	--	--	
			3.0	9500	30.0	7.2	5.1	70	--	--	
			6.1	9500	30.0	7.2	5.0	68	--	--	
			9.1	12000	30.0	7.3	4.3	60	--	--	
			12.2	19000	30.8	7.6	3.6	53	--	--	
JUL 23, 75	0545	2	.3	9000	29.4	7.1	4.8	65	--	--	
			1.5	9000	29.5	7.1	4.8	65	--	--	
			3.0	11000	29.8	7.2	4.6	64	--	--	
			6.1	14000	29.8	7.3	4.1	57	--	--	
			9.1	23000	29.2	7.5	3.0	43	--	--	
			11.6	25000	29.2	7.5	3.1	44	--	--	
JUL 24, 75	0030	2	.3	9500	30.0	7.1	4.7	64	--	--	
			1.5	9500	30.0	7.1	3.7	51	--	--	
			3.0	9500	30.0	7.1	4.7	64	--	--	
			6.1	9500	30.0	7.2	4.7	64	--	--	
			10.7	17000	29.8	7.3	4.0	56	--	--	
JUL 24, 75	0550	2	1.5	--	30.0	7.1	--	--	--	--	
			3.0	9500	30.0	7.2	5.4	74	--	--	
			6.1	15000	29.8	7.3	4.4	61	--	--	
			9.1	22000	29.5	7.6	3.4	49	--	--	
			13.4	25000	31.2	7.5	3.3	49	--	--	
JUL 24, 75	1200	2	.3	11000	30.5	7.2	5.2	72	--	--	
			3.0	13000	30.3	7.3	4.9	68	--	--	
			6.1	16000	30.2	7.4	4.5	62	--	--	
			9.1	28000	30.0	7.7	3.3	49	--	--	
			13.7	28000	30.0	7.7	3.2	48	--	--	
JUL 24, 75	1800	2	.3	11000	30.6	8.2	5.6	78	--	--	
			3.0	15000	30.5	8.2	4.7	66	--	--	
			6.1	27000	30.1	8.2	4.0	59	--	--	
			9.1	27000	30.0	8.2	3.6	53	--	--	
			13.4	29000	30.0	8.2	3.6	54	--	--	
JUL 25, 75	1115	2	.3	8500	30.5	--	4.6	64	--	--	
			3.0	11000	30.1	--	4.2	58	--	--	
			6.1	19000	30.0	--	3.5	51	--	--	
			9.1	25000	30.0	--	3.5	51	--	--	

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 323 CONTINUED					
JUL 25, 75	1115	2	13.1	27000	30.0	--	3.4	50	--	--
					LINE 339					
OCT 08, 74	1735	2	.3	25000	24.0	8.0	7.1	91	10.	91
			3.0	26000	24.0	8.0	7.0	90	10.	--
			6.1	28000	24.0	8.0	6.7	87	15.	--
			11.6	45000	23.5	8.0	5.3	74	30.	--
JAN 21, 75	1200	2	.3	4000	12.7	7.1	8.9	84	90.	27
			1.5	4000	12.7	7.1	8.9	84	90.	--
			3.0	4000	12.6	7.2	8.9	84	90.	--
			4.6	7000	12.6	7.4	8.6	82	50.	--
			6.1	12000	12.9	7.5	8.4	82	80.	--
			7.6	29000	14.1	7.9	7.4	80	50.	--
			9.1	34000	14.9	8.0	7.0	80	40.	--
			12.2	43000	15.0	8.0	7.1	84	230.	--
MAY 20, 75	1200	2	.3	1300	24.0	6.8	5.7	67	90.	25
			3.0	1600	24.0	6.9	5.3	62	90.	--
			6.1	8500	24.0	7.0	4.6	55	85.	--
			9.1	23000	24.1	7.4	3.1	39	50.	--
			11.9	38000	24.9	7.8	1.3	18	120.	--
					LINE 353					
OCT 08, 74	1750	2	.3	22000	24.0	8.0	7.7	97	45.	33
			3.0	22000	24.0	8.0	7.8	99	50.	--
			4.9	22000	24.0	8.0	8.0	101	80.	--
JAN 21, 75	1220	2	.3	3500	13.0	7.0	8.0	76	150.	27
			1.5	4100	12.8	7.0	8.3	79	150.	--
			3.0	4700	12.6	7.0	8.7	82	120.	--
			5.2	4700	12.6	7.1	8.7	82	140.	--
MAY 20, 75	1140	2	.3	1800	24.0	6.7	5.4	64	90.	23
			3.0	1800	24.0	6.7	5.4	64	115.	--
			4.9	1800	24.1	6.7	5.4	64	190.	--
					LINE 369					
OCT 08, 74	1815	2	.3	23000	24.0	8.2	8.0	101	10.	107
			1.5	25000	24.0	8.2	7.8	100	10.	--
			3.0	26000	25.0	8.2	7.5	97	10.	--
			6.1	31000	23.0	8.1	6.3	81	10.	--
			12.2	38000	23.0	8.2	6.2	83	110.	--
JAN 21, 75	1120	2	.3	6300	12.5	7.2	8.8	84	85.	46
			1.5	6600	12.5	7.3	8.8	84	85.	--
			3.0	7700	12.6	7.4	8.6	82	65.	--
			4.6	22000	13.5	8.0	8.2	85	50.	--
			6.1	25000	14.4	8.1	8.3	88	55.	--
			13.1	31000	15.0	8.1	7.9	88	160.	--
APR 08, 75	1020	2	.3	11000	16.0	--	8.8	91	--	--
			1.5	11000	16.0	--	8.8	91	--	--
			6.1	14000	16.0	--	8.7	91	20.	--
			9.1	26000	15.9	--	8.8	97	40.	--
			12.5	30000	16.0	--	8.9	100	10.	--
MAY 20, 75	1220	2	.3	2000	24.0	6.9	5.9	70	70.	18
			1.5	2000	24.0	6.9	5.3	63	--	--
			3.0	4000	24.0	7.1	5.2	62	60.	--
			6.1	30000	24.5	7.9	3.2	42	30.	--
			12.2	43000	24.8	8.0	3.9	55	30.	--
JUL 21, 75	1815	2	.3	17000	29.0	8.3	9.8	134	30.	--

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)	
					LINE 369 CONTINUED						
JUL 21, 75	1815	2	4.6	35000	28.0	8.0	7.8	113	30.	--	
			10.1	42000	28.0	7.8	5.5	82	30.	--	
JUL 21, 75	2000	2	.3	15000	29.0	8.1	8.4	113	5.	--	
			4.6	35000	28.0	8.0	6.8	99	10.	--	
			12.2	39000	28.0	7.9	6.7	98	10.	--	
JUL 21, 75	2200	2	.3	24000	28.0	7.5	7.2	98	20.	--	
			4.6	24000	28.0	7.5	6.4	88	10.	--	
			12.2	24000	28.0	7.5	6.6	90	0.	--	
JUL 21, 75	2400	2	.3	20000	28.0	7.3	6.2	85	20.	--	
			4.6	30000	28.0	7.3	5.9	84	20.	--	
			12.2	38000	28.0	7.3	5.6	82	20.	--	
JUL 22, 75	0600	2	.3	15000	28.0	7.1	6.9	92	45.	--	
			6.1	25000	28.0	7.1	6.1	85	95.	--	
			12.2	37000	27.0	7.1	6.8	96	110.	--	
JUL 22, 75	0800	2	.3	22000	28.2	7.1	5.6	77	10.	--	
			3.0	40000	28.2	7.1	4.7	69	10.	--	
			6.1	35000	28.2	7.1	4.6	67	35.	--	
			9.1	42000	28.2	7.1	4.6	69	80.	--	
			12.8	42000	28.2	7.1	4.6	69	275.	--	
JUL 22, 75	1000	2	.3	30000	28.2	7.1	5.1	73	10.	--	
			3.0	35000	28.2	7.1	4.8	70	10.	--	
			6.1	41000	28.2	7.1	5.1	75	10.	--	
			9.1	41000	28.2	7.1	4.9	72	20.	--	
			12.2	42000	28.2	7.1	4.6	69	40.	--	
JUL 22, 75	1200	2	.3	21000	28.2	7.1	5.4	74	5.	--	
			3.0	36000	28.2	7.1	4.6	67	5.	--	
			6.1	39000	28.2	7.1	4.5	66	5.	--	
			9.1	39000	28.2	7.1	4.7	69	5.	--	
			12.2	42000	28.2	7.1	4.6	69	40.	--	
JUL 22, 75	1400	2	.3	21000	28.1	7.2	5.6	77	50.	--	
			3.0	38000	28.2	7.1	4.5	66	50.	--	
			6.1	46000	28.1	7.1	4.3	65	50.	--	
			10.7	42000	28.2	7.1	5.0	75	60.	--	
JUL 22, 75	1600	2	.3	22000	28.2	7.1	5.0	68	50.	--	
			3.0	28000	28.2	7.1	5.0	70	50.	--	
			6.1	42000	28.2	7.1	4.6	69	30.	--	
			11.0	42000	28.2	7.1	4.6	69	70.	--	
JUL 22, 75	1800	2	.3	26000	28.2	7.1	5.3	74	60.	--	
			3.0	16000	28.2	7.1	5.4	72	50.	--	
			6.1	26000	28.2	7.1	5.1	71	50.	--	
			11.0	42000	28.2	7.1	5.2	78	70.	--	
JUL 22, 75	2000	2	.3	19000	28.0	7.1	5.9	80	65.	--	
			10.7	42000	27.0	7.1	5.5	81	60.	--	
JUL 22, 75	2200	2	.3	20000	28.0	7.1	10.8	146	85.	--	
			6.1	18000	27.0	7.1	10.9	143	85.	--	
			12.2	38000	27.0	7.1	5.7	81	85.	--	
JUL 22, 75	2400	2	.3	22000	28.0	7.1	9.7	133	80.	--	
			6.1	22000	27.0	7.1	10.4	139	80.	--	
			12.2	38000	27.0	7.1	9.9	142	85.	--	
JUL 22, 75	0200	2	.3	19000	28.0	7.2	6.5	88	--	--	
			6.1	30000	27.0	7.2	6.7	93	--	--	
			11.6	30000	27.0	7.2	7.7	107	--	--	
JUL 22, 75	0410	2	.3	25000	28.0	7.2	6.6	92	40.	--	
			6.1	29000	28.0	7.2	6.2	87	120.	--	

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)	
					LINE 369 CONTINUED						
JUL 22, 75	0410	2	11.9	25000	28.0	7.2	5.1	71	100.	--	
JUL 23, 75	0200	2	.3	22000	28.0	7.1	6.2	85	100.	--	
			6.1	28000	27.0	7.1	6.6	90	115.	--	
			12.2	38000	27.0	7.1	6.5	93	120.	--	
JUL 23, 75	0400	2	.3	6500	27.0	7.1	6.6	84	115.	--	
			5.8	33000	27.0	7.1	4.8	68	115.	--	
			11.6	38000	27.0	7.0	6.1	87	400.	--	
JUL 23, 75	0600	2	.3	13000	27.0	7.3	5.2	68	120.	--	
			6.1	29000	27.0	7.1	4.9	67	140.	--	
			12.2	32000	27.0	7.0	5.1	71	140.	--	
JUL 23, 75	0800	2	.3	22000	28.2	7.3	4.6	63	110.	--	
			3.0	19000	28.2	7.3	4.9	66	110.	--	
			6.1	33000	28.1	7.3	4.4	64	130.	--	
			9.1	33000	28.1	7.3	4.4	64	160.	--	
			12.2	36000	28.1	7.3	4.8	70	400.	--	
JUL 23, 75	1200	2	.3	22000	28.2	7.3	4.6	63	20.	--	
			3.0	40000	28.2	7.3	4.3	63	10.	--	
			6.1	43000	28.2	7.3	4.0	60	10.	--	
			9.1	36000	28.2	7.3	4.6	67	10.	--	
			12.2	40000	28.1	7.3	4.3	63	60.	--	
JUL 23, 75	1800	2	.3	28000	28.2	7.3	4.4	62	0.	--	
			3.0	38000	28.2	7.3	4.1	60	0.	--	
			6.1	44000	28.2	7.3	3.9	59	5.	--	
			9.1	41000	28.2	7.3	4.1	60	20.	--	
			12.2	41000	28.2	7.3	4.1	60	120.	--	
JUL 23, 75	2400	2	.3	22000	28.0	--	5.1	70	50.	--	
			6.1	26000	27.0	--	4.3	59	40.	--	
			12.2	35000	27.0	--	5.7	80	30.	--	
JUL 24, 75	0600	2	.3	14000	27.0	--	5.0	64	10.	--	
			11.6	37000	27.0	--	5.0	70	50.	--	
JUL 24, 75	1200	2	.3	24000	28.2	7.2	4.4	60	5.	--	
			3.0	32000	28.2	7.2	3.7	53	10.	--	
			6.1	40000	28.2	7.2	3.3	49	20.	--	
			9.1	40000	28.2	7.2	3.3	49	30.	--	
			12.2	41000	28.2	7.2	3.3	49	40.	--	
JUL 24, 75	1800	2	.3	23000	28.2	7.5	4.4	60	20.	--	
			3.0	38000	28.2	7.5	3.5	51	15.	--	
			6.1	40000	28.2	7.4	3.5	51	30.	--	
			9.1	34000	28.2	7.4	3.6	52	50.	--	
			12.2	41000	28.2	7.5	3.5	51	60.	--	
JUL 25, 75	1300	2	.3	16000	29.9	--	6.5	89	30.	76	
			3.0	25000	29.5	--	4.8	69	20.	--	
			6.1	40000	29.3	--	2.8	42	30.	--	
			9.1	43000	29.8	--	2.5	39	40.	--	
			12.8	44000	29.8	--	2.0	32	85.	--	
					LINE 377						
OCT 09, 74	1115	2	.3	26000	23.0	8.0	8.7	109	0.	107	
			1.5	30000	23.0	8.0	8.1	104	5.	--	
			3.0	33000	23.0	8.0	8.0	104	5.	--	
			6.1	38000	23.0	8.0	8.2	109	0.	--	
			9.1	38000	23.0	8.0	8.2	109	0.	--	
			13.1	37000	23.0	8.0	8.5	112	5.	--	
JAN 21, 75	1055	2	.3	12000	12.4	7.6	8.2	80	80.	32	
			1.5	5500	12.1	7.5	8.4	79	100.	--	

TABLE 1A--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 377 CONTINUED					
JAN 21, 75	1055	2	3.0	41000	12.8	8.0	6.6	73	140.	--
			6.1	41000	14.7	8.1	6.6	76	140.	--
			9.1	42000	14.8	8.1	6.7	79	250.	--
			13.7	42000	15.0	8.1	7.3	86	240.	--
APR 08, 75	1000	2	.5	19000	15.9	--	9.3	99	20.	--
			1.5	20000	15.9	--	9.3	99	50.	--
			6.1	26000	16.0	--	8.8	97	100.	--
			9.1	29000	16.0	--	8.8	98	150.	--
			13.4	30000	16.0	--	8.3	93	190.	--
JUL 25, 75	1220	2	.3	18000	30.6	--	6.6	93	25.	109
			3.0	40000	29.7	--	3.9	60	20.	--
			6.1	45000	29.1	--	2.2	34	30.	--
			9.1	47000	29.1	--	1.7	27	15.	--
			12.2	47000	29.1	--	1.7	27	20.	--
						LINE 903				
OCT 09, 74	1225	1	.3	37000	23.9	8.1	9.7	129	0.	221
			3.0	37000	23.9	8.1	9.7	129	5.	--
			7.3	39000	23.5	8.0	8.0	108	40.	--
JAN 21, 75	1030	1	.6	26000	12.8	8.2	9.4	102	40.	81
			5.5	40000	14.0	8.2	8.7	104	40.	--
			10.7	43000	14.8	8.2	8.0	98	160.	--
JUL 25, 75	1150	1	.3	37000	30.0	--	7.2	109	30.	126
			3.0	44000	28.8	--	5.0	78	35.	--
			7.0	48000	28.3	--	3.0	46	50.	--
						LINE 910				
OCT 09, 74	1155	1	.3	45000	24.3	8.0	8.1	114	0.	356
			3.0	45000	24.2	8.0	7.6	107	0.	--
			6.1	45000	24.2	8.0	7.2	101	5.	--
			11.6	46000	24.4	8.0	6.7	94	15.	--
						LINE 925				
OCT 09, 74	1100	1	.3	48000	24.5	8.0	7.2	102	0.	856
			3.0	48000	24.5	8.0	7.4	106	0.	--
			6.1	50000	24.5	8.0	7.2	104	20.	--
			9.1	50000	24.6	8.0	7.2	104	10.	--
			12.8	50000	24.7	8.0	6.8	98	30.	--

TABLE 18--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
						LINE 15						
OCT 08, 74	1345	2	.3	--	.00	.00	.00	--	.04	1.9	4	7.2
JAN 20, 75	1640	2	.3	--	.13	.03	.01	--	.03	.9	--	--
APR 07, 75	1625	2	.3	8.3	.09	.00	.00	--	.04	.7	4	6.6
MAY 20, 75	1600	2	.3	8.0	.10	.01	.00	--	.03	.8	--	--
JUL 25, 75	0950	2	.3	10.0	.10	.05	.00	--	.05	1.5	0	5.8
						LINE 82						
JUL 21, 75	1800	2	3.7	--	.06	.13	.01	--	.04	--	--	9.4
JUL 21, 75	2400	2	.3	--	.05	.07	.01	--	.05	--	--	9.6
JUL 22, 75	0600	2	.3	--	.04	.05	.01	--	.03	--	--	10.0
JUL 22, 75	2015	2	1.5	--	.09	.08	.01	--	.03	--	--	9.2
JUL 23, 75	1200	2	.3	--	.09	.08	.01	--	.03	--	--	5.0
JUL 23, 75	1800	2	.3	--	.10	.08	.01	--	.03	--	--	5.8
JUL 24, 75	0020	2	.3	--	.10	.10	.02	--	.04	--	--	6.8
JUL 24, 75	0610	2	.3	--	.10	.05	.01	--	.04	--	--	9.0
JUL 24, 75	1200	2	.3	--	.14	.12	.03	--	.05	--	--	--
JUL 24, 75	1800	2	.3	--	.12	.12	.02	--	.05	--	--	7.4
						LINE 87						
OCT 08, 74	1535	2	.3	--	.10	.05	.06	--	.06	1.1	5	8.2
			6.1	--	.09	.04	.04	--	.06	.7	0	4.6
JAN 20, 75	1750	2	.3	--	.14	.01	.00	--	.03	1.9	--	--
			9.8	--	.14	.00	.01	--	.04	1.5	--	--
APR 07, 75	1755	2	.3	--	.10	.01	.01	--	.05	1.6	--	6.9
			11.3	--	.08	.17	.01	--	.16	1.8	0	5.3
MAY 20, 75	1731	2	.3	--	.14	.03	.01	--	.03	1.0	--	--
			10.1	--	.14	.03	.01	--	.04	1.2	--	--
JUL 22, 75	1015	2	3.0	--	.07	.11	.01	--	.05	--	--	8.4
			10.1	--	.07	.21	.02	--	.19	--	--	1.4
JUL 22, 75	2000	2	.3	--	.15	.11	.02	--	.06	--	--	8.4
			10.4	--	.09	.16	.03	--	.07	--	--	8.6
JUL 22, 75	2215	2	.3	--	.21	.14	.04	--	.06	--	--	7.8
			10.4	--	.09	.18	.03	--	.09	--	--	5.4
JUL 22, 75	2400	2	.3	--	.09	.09	.01	--	.04	--	--	8.2
			10.4	--	.10	.19	.02	--	.08	--	--	7.0
JUL 22, 75	1900	2	.3	--	.11	.14	.03	--	.08	--	--	9.2
			10.1	--	.08	.19	.01	--	.07	--	--	6.8
JUL 22, 75	0600	2	.3	--	.04	.09	.00	--	.03	--	--	6.2
			9.8	--	.07	.19	.01	--	.05	--	--	6.8
JUL 22, 75	0815	2	.3	--	.06	.07	.00	--	.05	--	--	9.6

TABLE 18--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
					LINE 87 CONTINUED							
JUL 22, 75	0815	2	9.4	--	.06	.18	.03	--	.06	--	--	6.6
JUL 22, 75	1810	2	.3	--	.05	.07	.01	--	.03	--	--	8.6
			10.4	--	.08	.17	.02	--	.06	--	--	8.2
JUL 22, 75	0100	2	.3	--	.06	.08	.00	--	.05	--	--	7.6
			10.1	--	.06	.19	.02	--	.07	--	--	8.6
JUL 22, 75	1220	2	.3	--	.08	.10	.00	--	.05	--	--	8.2
			9.8	--	.08	.34	.01	--	.07	--	--	7.0
JUL 22, 75	1415	2	.3	--	.05	.32	.01	--	.03	--	--	8.0
			10.1	--	.08	.23	.02	--	.04	--	--	9.6
JUL 22, 75	1615	2	.3	--	.06	.08	.00	--	.05	--	--	8.2
			9.8	--	.08	.18	.01	--	.05	--	--	8.0
JUL 23, 75	0210	2	.3	--	.10	.12	.01	--	.06	--	--	8.0
			10.4	--	.09	.19	.03	--	.06	--	--	9.4
JUL 23, 75	0400	2	.3	--	.09	.09	.01	--	.05	--	--	7.0
			10.4	--	.10	.20	.02	--	.08	--	--	7.2
JUL 23, 75	0600	2	.3	--	.09	.11	.01	--	.04	--	--	9.6
			6.1	--	.10	.14	.01	--	.04	--	--	8.8
JUL 23, 75	0810	2	.3	--	.10	.12	.01	--	.04	--	--	4.8
			9.8	--	.09	.20	.03	--	.07	--	--	8.2
JUL 23, 75	1230	2	.3	--	.10	.09	.01	--	.05	--	--	--
			10.1	--	.09	.17	.03	--	.06	--	--	6.0
JUL 23, 75	1815	2	.3	--	.10	.12	.01	--	.04	--	--	6.4
			10.1	--	.09	.21	.03	--	.16	--	--	9.6
JUL 24, 75	0010	2	.3	--	.16	.17	.02	--	.05	--	--	13.0
			10.7	--	.09	.17	.03	--	.07	--	--	6.0
JUL 24, 75	0600	2	.3	--	.10	.17	.02	--	.05	--	--	8.4
			10.7	--	.10	.24	.02	--	.05	--	--	--
JUL 24, 75	1215	2	.3	--	.11	.12	.01	--	.05	--	--	--
			9.8	--	.09	.19	.04	--	.08	--	--	--
JUL 24, 75	1815	2	.3	--	.12	.12	.01	--	.05	--	--	6.6
			9.1	--	.09	.21	.04	--	.06	--	--	--
JUL 25, 75	1050	2	.3	--	.10	.11	.01	--	.04	1.6	0	7.0
			10.1	--	.09	.21	.05	--	.06	1.4	0	6.4
					LINE 107							
OCT 08, 74	1350	2	.3	12.0	.01	.00	.01	--	.04	1.1	0	--
			6.7	10.0	.02	.02	.01	--	.04	.9	5	--
JAN 20, 75	1640	2	.3	--	.02	.01	.00	--	.05	2.0	--	--
APR 07, 75	1630	2	.3	7.2	.06	.00	.00	--	.06	1.7	0	9.2
MAY 20, 75	1520	2	.3	9.1	.13	.02	.01	--	.05	.6	--	--
			7.9	8.6	.03	.03	.04	--	.05	.8	--	--
JUL 25, 75	0935	2	.3	11.0	.08	.01	.00	--	.05	1.0	0	6.6
					LINE 214							
OCT 08, 74	1525	2	.3	--	.15	.09	.07	--	.06	2.8	5	9.5

TABLE 1B--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SiO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
					LINE 214 CONTINUED							
OCT 08, 74	1525	2	13.7	--	.07	.05	.04	--	.07	.9	1	--
JAN 20, 75	1735	2	.3	--	.09	.10	.00	--	.07	2.6	--	--
			13.7	--	.10	.12	.00	--	.07	2.0	--	--
APR 07, 75	1800	2	.3	--	.11	.09	.00	--	.06	1.9	0	6.6
			12.2	--	.10	.13	.01	--	.08	1.4	0	5.2
MAY 20, 75	1650	2	.3	--	.14	.06	.01	--	.05	1.4	--	--
			13.7	--	.15	.07	.00	--	.04	1.0	--	--
JUL 21, 75	1900	2	.3	--	.05	.01	.00	--	.05	--	--	8.6
JUL 21, 75	2355	2	.3	--	.04	.07	.01	--	.05	--	--	8.6
JUL 22, 75	0600	2	.3	--	.05	.08	.01	--	.05	--	--	8.4
			9.1	--	.06	.21	.01	--	.17	--	--	13.0
JUL 22, 75	1600	2	.3	8.2	.07	.07	.01	--	.06	--	--	9.4
			13.1	4.1	.06	.17	.01	--	.15	--	--	8.2
JUL 22, 75	1800	2	.3	8.0	.07	.07	.01	--	.06	--	--	12.0
JUL 22, 75	2000	2	.3	8.2	.10	.10	.01	--	.06	--	--	4.0
JUL 22, 75	2200	2	.3	8.3	.11	.11	.01	--	.04	--	--	11.0
JUL 22, 75	2400	2	.3	8.1	.10	.11	.02	--	.04	--	--	6.4
			9.1	4.2	.08	.17	.03	--	.06	--	--	4.6
JUL 23, 75	1400	2	.3	8.2	.07	.06	.01	--	.07	--	--	8.6
JUL 23, 75	0200	2	.3	8.4	--	--	--	--	--	--	--	--
JUL 23, 75	0800	2	.3	--	.11	.11	.02	--	.06	--	--	7.2
JUL 23, 75	1000	2	.3	8.2	.10	.10	.02	--	.05	--	--	7.4
JUL 23, 75	0400	2	.3	8.4	.11	.13	.02	--	.05	--	--	--
JUL 23, 75	0600	2	.3	8.5	.10	.12	.01	--	.02	--	--	8.2
JUL 23, 75	1200	2	.3	--	.10	.08	.03	--	.06	--	--	9.4
			13.1	--	.09	.19	.03	--	.26	--	--	24.0
JUL 23, 75	1800	2	.3	--	.08	.04	.02	--	.04	--	--	10.0
			13.1	--	.08	.18	.04	--	.17	--	--	16.0
JUL 23, 75	2400	2	.3	--	.08	.18	.04	--	.11	--	--	5.2
			9.1	3.3	.10	.05	.01	--	.03	--	--	11.0
JUL 24, 75	0600	2	.3	--	.11	.13	.02	--	.04	--	--	4.2
			9.1	--	.08	.18	.05	--	.09	--	--	5.0
JUL 24, 75	1200	2	.3	--	.11	.10	.02	--	.05	--	--	7.0
			13.4	--	.08	.23	.05	--	.13	--	--	7.4
JUL 24, 75	1800	2	.3	--	.10	.10	.03	--	.04	--	--	5.8
			13.4	--	.09	.16	.05	--	.10	--	--	5.0
JUL 25, 75	1050	2	.3	--	.11	.09	.03	--	.04	1.2	0	7.8
			14.9	--	.08	.21	.06	--	.16	2.8	0	8.0
					LINE 244							
OCT 08, 74	1625	4	.3	--	.07	.01	.02	--	.05	2.0	0	7.8
			1.5	--	.07	.01	.01	--	.09	1.9	0	--
JAN 21, 75	0935	4	.3	--	.11	.06	.00	--	.06	1.6	--	--

TABLE 19--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
					LINE 244 CONTINUED							
JAN 21, 75	0935	4	.9	--	.08	.05	.00	--	.06	2.6	--	--
APR 08, 75	1715	4	.3	--	.09	.06	.00	--	.06	1.8	0	8.0
			1.8	--	.09	.06	.00	--	.06	2.6	0	7.8
MAY 20, 75	1430	4	.3	--	.18	.06	.01	--	.06	1.3	--	--
			1.5	--	.19	.07	.00	--	.06	1.5	--	--
JUL 25, 75	1115	4	.3	--	.12	.01	.01	--	.02	2.2	--	6.2
			1.8	--	.13	.13	.02	--	.06	1.6	--	--
					LINE 274							
OCT 08, 74	1740	2	.3	--	.05	.00	.01	--	.03	1.3	4	8.5
			2.1	--	.05	.05	.01	--	.04	1.1	1	5.9
JAN 21, 75	1045	2	.3	--	.10	.00	.00	--	.06	1.3	--	--
			2.4	--	.10	.01	.00	--	.08	1.2	--	--
APR 08, 75	1620	2	.3	--	.17	.08	.00	--	.06	1.6	1	13.0
			2.4	--	.11	.05	.00	--	.06	1.3	0	8.9
MAY 20, 75	1340	2	.3	--	.09	.00	.00	--	.02	1.4	--	--
			2.4	--	.09	.00	.00	--	.02	.6	--	--
JUL 25, 75	1215	2	.3	--	.10	.01	.01	--	.02	1.5	0	6.4
			2.7	--	.10	.05	.01	--	.08	3.3	--	--
					LINE 300							
OCT 09, 74	1030	2	.3	5.1	.04	.00	.01	--	.04	.5	5	6.8
			2.1	5.9	.06	.05	.02	--	.06	.5	0	6.2
JAN 21, 75	1155	2	.3	6.5	.13	.01	.01	--	.10	1.1	--	--
			2.1	6.6	.13	.04	.00	--	.07	1.6	--	--
APR 08, 75	1050	2	.3	6.6	.10	.05	.00	--	.06	1.3	0	6.6
			4.0	--	.13	.07	.00	--	.15	2.8	0	9.6
MAY 20, 75	1245	2	.3	--	.13	.01	.01	--	.03	.9	--	--
			2.4	7.2	.15	.05	.01	--	.03	.9	--	--
JUL 25, 75	1035	2	.3	--	.09	.02	.01	--	.03	2.0	0	7.2
			2.3	4.4	.08	.08	.01	--	.04	1.5	--	--
					LINE 308							
JUL 21, 75	1900	2	.3	--	.01	.01	.00	--	.05	--	--	7.0
			10.1	--	.01	.12	.01	--	.39	--	--	2.8
JUL 22, 75	0100	2	.3	--	.00	.03	.01	--	.03	--	--	11.0
			9.1	--	.04	.08	.01	--	.08	--	--	11.0
JUL 22, 75	0300	2	10.4	--	.04	.13	.01	--	.06	--	--	5.8
JUL 22, 75	0700	2	.3	--	.04	.05	.00	--	.04	--	--	5.6
			9.1	--	.03	.08	.00	--	.08	--	--	5.0
JUL 22, 75	0900	2	.3	--	.02	.05	.01	--	.05	--	--	5.4
			9.1	--	.01	.05	.01	--	.06	--	--	6.0
JUL 22, 75	1100	2	.3	--	.03	.07	.01	--	.04	--	--	5.0
			9.1	--	.02	.07	.01	--	.09	--	--	3.4
JUL 22, 75	1300	2	.3	--	.03	.05	.01	--	.03	--	--	5.4
			9.1	--	.02	.07	.01	--	.06	--	--	3.6

TABLE 10--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
						LINE 308 CONTINUED						
JUL 22, 75	1500	2	.3	--	.05	.04	.00	--	.06	--	--	5.8
			9.1	--	.01	.06	.01	--	.07	--	--	2.6
JUL 22, 75	1700	2	.3	--	.05	.04	.01	--	.04	--	--	5.8
			9.1	--	.03	.08	.00	--	.10	--	--	4.0
JUL 22, 75	1900	2	.3	--	.06	.02	.00	--	.03	--	--	6.6
			9.8	--	.04	.06	.00	--	.05	--	--	3.2
JUL 22, 75	2100	2	.3	--	.04	.03	.01	--	.08	--	--	--
			8.8	--	.05	.06	.00	--	.12	--	--	--
JUL 22, 75	2300	2	.3	--	.02	.02	.00	--	.06	--	--	7.2
			10.1	--	.03	.03	.00	--	.07	--	--	15.0
JUL 23, 75	0100	2	.3	--	.03	.03	.00	--	.05	--	--	--
			9.8	--	.04	.05	.00	--	.05	--	--	--
JUL 23, 75	0300	2	.3	--	.04	.03	.00	--	.04	--	--	6.6
JUL 23, 75	0500	2	.3	--	.04	.06	.01	--	.05	--	--	--
			9.1	--	.04	.11	.00	--	.12	--	--	--
JUL 23, 75	1215	2	.3	--	.06	.07	.02	--	.05	--	--	4.6
			9.1	--	.03	.07	.01	--	.08	--	--	7.0
JUL 23, 75	1815	2	.3	--	.05	.06	.01	--	.03	--	--	3.8
			9.1	--	.02	.08	.01	--	.06	--	--	3.4
JUL 23, 75	2400	2	.3	--	.07	.04	.00	--	.05	--	--	6.2
			9.8	--	.07	.05	.00	--	.07	--	--	--
JUL 24, 75	0600	2	.3	--	.07	.05	.01	--	.04	--	--	--
			8.2	--	.04	.09	.01	--	.08	--	--	--
JUL 24, 75	1215	2	.3	--	.06	.06	.01	--	.05	--	--	--
			9.1	--	.04	.07	.01	--	.05	--	--	--
JUL 24, 75	1815	2	.3	--	.06	.06	.01	--	.04	--	--	--
			9.1	--	.02	.08	.02	--	.06	--	--	--
						LINE 313						
JUL 21, 75	1900	2	.3	--	.00	.01	.00	--	.05	--	--	8.6
JUL 21, 75	2400	2	.3	--	.00	.07	.00	--	.12	--	--	19.0
JUL 22, 75	0600	2	.3	--	.00	.03	.00	--	.07	--	--	12.0
JUL 22, 75	0800	2	2.9	--	.00	.03	.00	--	.07	--	--	9.4
JUL 22, 75	1000	2	2.9	--	.00	.03	.00	--	.05	--	--	8.0
JUL 22, 75	1200	2	2.9	--	.00	.04	.00	--	.06	--	--	8.0
JUL 22, 75	1400	2	2.9	--	.00	.03	.00	--	.05	--	--	8.2
JUL 22, 75	1600	2	2.9	--	.00	.02	.00	--	.05	--	--	13.0
JUL 22, 75	1800	2	2.9	--	.00	.02	.00	--	.07	--	--	9.6
JUL 22, 75	2000	2	.3	--	.00	.03	.00	--	.05	--	--	9.0
JUL 22, 75	2200	2	.3	--	.00	.04	.00	--	.06	--	--	10.0
JUL 22, 75	2400	2	.3	--	.00	.04	.00	--	.08	--	--	13.0
JUL 23, 75	1200	2	2.9	--	.04	.03	.01	--	.04	--	--	7.6

TABLE 19--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
						LINE 313 CONTINUED						
JUL 23, 75	1800	2	2.9	--	.04	.03	.00	--	.04	--	--	8.6
JUL 23, 75	2400	2	.3	--	.02	.01	.00	--	.05	--	--	11.0
JUL 23, 75	0200	2	.3	--	.00	.07	.00	--	.11	--	--	20.0
JUL 23, 75	0400	2	.3	--	.00	.09	.01	--	.13	--	--	25.0
JUL 23, 75	0600	2	.3	--	.00	.08	.01	--	.07	--	--	12.0
JUL 24, 75	0600	2	.3	--	.03	.02	.00	--	.09	--	--	13.0
JUL 24, 75	1200	2	2.9	--	.02	.01	.00	--	.06	--	--	11.0
JUL 24, 75	1800	2	2.9	--	.07	.01	.00	--	.06	--	--	--
						LINE 369						
OCT 08, 74	1815	2	.3	--	.06	.02	.01	--	.06	1.5	1	--
			12.2	--	.04	.02	.01	--	.12	1.1	3	5.1
JAN 21, 75	1120	2	.3	--	.07	.08	.00	--	.07	1.4	--	--
			13.1	--	.02	.04	.00	--	.21	8.4	--	--
APR 08, 75	1020	2	.3	--	.10	.13	.00	--	.05	1.4	0	7.3
			12.5	--	.13	.12	.00	--	.07	1.5	0	4.1
MAY 20, 75	1220	2	.3	--	.14	.10	.01	--	.05	.9	--	--
			12.2	--	.05	.14	.01	--	.06	1.0	--	--
JUL 21, 75	1815	2	.3	--	.03	.01	.00	--	.06	--	--	7.4
			10.1	--	.03	.12	.00	--	.12	--	--	3.2
JUL 21, 75	2400	2	.3	--	.04	.13	.02	--	.09	--	--	--
			12.2	--	.04	.07	.01	--	.06	--	--	3.8
JUL 22, 75	0600	2	.3	--	.02	.06	.01	--	.06	--	--	7.4
			12.2	--	.04	.09	.01	--	.17	--	--	1.6
JUL 22, 75	0800	2	.3	--	.05	.06	.01	--	.04	--	--	5.6
			12.8	--	.02	.06	.01	--	.19	--	--	10.0
JUL 22, 75	1000	2	.3	--	.03	.06	.01	--	.05	--	--	4.8
			12.2	--	.02	.04	.01	--	.08	--	--	4.6
JUL 22, 75	1200	2	.3	--	.04	.02	.00	--	.06	--	--	5.6
			12.2	--	.01	.06	.01	--	.06	--	--	3.4
JUL 22, 75	1400	2	.3	--	.04	.03	.01	--	.05	--	--	4.8
			10.7	--	.01	.06	.01	--	.07	--	--	3.4
JUL 22, 75	1600	2	.3	--	.03	.05	.01	--	.03	--	--	6.0
			11.0	--	.02	.06	.01	--	.08	--	--	3.2
JUL 22, 75	1800	2	.3	--	.04	.01	.01	--	.03	--	--	5.6
			11.0	--	.02	.06	.01	--	.07	--	--	2.8
JUL 22, 75	2000	2	.3	--	.04	.02	.01	--	.05	--	--	--
			10.7	--	.02	.05	.01	--	.05	--	--	--
JUL 22, 75	2200	2	.3	--	.05	.15	.01	--	.05	--	--	21.0
			12.2	--	.04	.06	.01	--	.05	--	--	3.6
JUL 22, 75	2400	2	.3	--	.07	.14	.01	--	.07	--	--	6.6
			12.2	--	.04	.06	.01	--	.08	--	--	--
JUL 23, 75	0200	2	.3	--	.06	.15	.01	--	.06	--	--	4.6
			12.2	--	.05	.09	.01	--	.12	--	--	3.8

TABLE 18--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
						LINE 369 CONTINUED						
JUL 23, 75	0400	2	.3	--	.05	.04	.00	--	.03	--	--	--
			11.6	--	.06	.08	.01	--	.34	--	--	--
JUL 23, 75	0600	2	12.2	--	.05	.10	.01	--	.10	--	--	5.8
JUL 23, 75	1200	2	.3	--	.05	.05	.01	--	.06	--	--	4.8
			12.2	--	.01	.06	.01	--	.11	--	--	3.4
JUL 23, 75	1800	2	.3	--	.05	.05	.01	--	.05	--	--	4.4
			12.2	--	.03	.07	.01	--	.20	--	--	6.0
JUL 23, 75	2400	2	.3	--	.07	.13	.02	--	.08	--	--	5.0
			12.2	--	.04	.08	.01	--	.05	--	--	4.4
JUL 24, 75	0600	2	.3	--	.07	.08	.01	--	.08	--	--	6.0
			11.6	--	.04	.10	.02	--	.11	--	--	3.8
JUL 24, 75	1200	2	.3	--	.05	.07	.02	--	.06	--	--	--
			12.2	--	.03	.07	.02	--	.10	--	--	--
JUL 24, 75	1800	2	.3	--	.06	.06	.02	--	.06	--	--	--
			12.2	--	.05	.06	.02	--	.06	--	--	--
JUL 25, 75	1300	2	.3	--	.06	.04	.01	--	.04	2.6	0	6.2
			12.8	--	.01	.11	.06	--	.09	2.3	0	7.0
						LINE 903						
OCT 09, 74	1225	1	.3	.5	.00	.00	.00	--	.04	.6	0	4.3
			7.3	.4	.01	.03	.00	--	.19	.6	0	2.8
JAN 21, 75	1030	1	.6	2.5	.04	.02	.00	--	.05	1.7	--	--
			10.7	.7	.01	.02	.01	--	.13	1.6	--	--
JUL 29, 75	1150	1	.3	1.1	.00	.01	.00	--	.02	2.0	0	4.6
			7.0	1.4	.02	.14	.02	--	.06	1.7	0	3.8
						LINE 910						
OCT 09, 74	1155	1	.3	--	.00	.01	.00	--	.04	.5	--	--
			11.6	--	.00	.01	.00	--	.04	.5	--	--
						LINE 925						
OCT 09, 74	1100	1	.3	.1	.00	.02	.00	--	.03	.6	1	2.3
			12.8	.2	.00	.00	.00	--	.04	.5	0	2.8

TABLE 1C--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (LAB)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
						LINE 15						
OCT 08, 74	1345	2	.3	163	--	--	--	--	--	--	--	--
JAN 20, 75	1640	2	.3	200	--	--	--	--	29	--	--	--
APR 07, 75	1625	2	.3	145	7.7	2.7	15	2.8	22	16	18	82
MAY 20, 75	1600	2	.3	184	6.6	2.5	14	2.4	23	15	17	77
JUL 25, 75	0950	2	.3	122	6.2	3.2	17	2.1	25	15	14	80
						LINE 82						
JUL 21, 75	1800	2	3.7	3160	--	--	--	--	--	--	--	--
JUL 21, 75	2400	2	.3	2760	--	--	--	--	--	--	--	--
JUL 22, 75	0600	2	.3	2760	--	--	--	--	--	--	--	--
JUL 22, 75	2015	2	1.5	3160	--	--	--	--	--	--	--	--
JUL 23, 75	1200	2	.3	2460	--	--	--	--	--	--	--	--
JUL 23, 75	1800	2	.3	2190	--	--	--	--	--	--	--	--
JUL 24, 75	0020	2	.3	2910	--	--	--	--	--	--	--	--
JUL 24, 75	0610	2	.3	2510	--	--	--	--	--	--	--	--
JUL 24, 75	1200	2	.3	3010	--	--	--	--	--	--	--	--
JUL 24, 75	1800	2	.3	2640	--	--	--	--	--	--	--	--
						LINE 87						
OCT 08, 74	1535	2	.3	11600	--	--	--	--	--	--	--	--
			6.1	25700	--	--	--	--	--	--	--	--
JAN 20, 75	1750	2	.3	194	--	--	--	--	--	--	--	--
			9.8	193	--	--	--	--	--	--	--	--
APR 07, 75	1755	2	.3	767	--	--	--	--	--	--	--	--
			11.3	18600	--	--	--	--	--	--	--	--
MAY 20, 75	1730	2	.3	156	--	--	--	--	--	--	--	--
			10.1	157	--	--	--	--	--	--	--	--
JUL 22, 75	1015	2	.3	2360	--	--	--	--	--	--	--	--
			10.1	16500	--	--	--	--	--	--	--	--
JUL 22, 75	2000	2	.3	2040	--	--	--	--	--	--	--	--
			10.4	18500	--	--	--	--	--	--	--	--
JUL 22, 75	2215	2	.3	1650	--	--	--	--	--	--	--	--
JUL 22, 75	2400	2	.3	1460	--	--	--	--	--	--	--	--
			10.4	18700	--	--	--	--	--	--	--	--
JUL 22, 75	1900	2	.3	1630	--	--	--	--	--	--	--	--
			10.1	17400	--	--	--	--	--	--	--	--
JUL 22, 75	0600	2	.3	1670	--	--	--	--	--	--	--	--
			9.8	16000	--	--	--	--	--	--	--	--
JUL 22, 75	0815	2	.3	2570	--	--	--	--	--	--	--	--

TABLE 1C--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (LAB)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
						LINE 87 CONTINUED						
JUL 22, 75	0815	2	9.4	16300	--	--	--	--	--	--	--	--
JUL 22, 75	0100	2	.3	1400	--	--	--	--	--	--	--	--
			10.1	16300	--	--	--	--	--	--	--	--
JUL 22, 75	1220	2	.3	2500	--	--	--	--	--	--	--	--
			9.8	16700	--	--	--	--	--	--	--	--
JUL 22, 75	1415	2	.3	2370	--	--	--	--	--	--	--	--
			10.1	16700	--	--	--	--	--	--	--	--
JUL 22, 75	1615	2	.3	2600	--	--	--	--	--	--	--	--
			9.8	17100	--	--	--	--	--	--	--	--
JUL 23, 75	0210	2	.3	1720	--	--	--	--	--	--	--	--
			10.4	18600	--	--	--	--	--	--	--	--
JUL 23, 75	0400	2	.3	1600	--	--	--	--	--	--	--	--
			10.4	18200	--	--	--	--	--	--	--	--
JUL 23, 75	0600	2	.3	1670	--	--	--	--	--	--	--	--
			6.1	8310	--	--	--	--	--	--	--	--
JUL 23, 75	0810	2	.3	2380	--	--	--	--	--	--	--	--
			9.8	20400	--	--	--	--	--	--	--	--
JUL 23, 75	1230	2	.3	2260	--	--	--	--	--	--	--	--
			10.1	19400	--	--	--	--	--	--	--	--
JUL 23, 75	1815	2	.3	2540	--	--	--	--	--	--	--	--
			10.1	19300	--	--	--	--	--	--	--	--
JUL 24, 75	0010	2	.3	2090	--	--	--	--	--	--	--	--
			10.7	19300	--	--	--	--	--	--	--	--
JUL 24, 75	0600	2	.3	1790	--	--	--	--	--	--	--	--
			10.7	18600	--	--	--	--	--	--	--	--
JUL 24, 75	1215	2	.3	2330	--	--	--	--	--	--	--	--
			9.8	20200	--	--	--	--	--	--	--	--
JUL 24, 75	1815	2	.3	2340	--	--	--	--	--	--	--	--
			9.1	20800	--	--	--	--	--	--	--	--
JUL 25, 75	1050	2	.3	2060	--	--	--	--	--	--	--	--
			10.1	20400	--	--	--	--	--	--	--	--
						LINE 107						
OCT 08, 74	1350	2	.3	157	8.7	1.9	14	3.3	27	16	18	87
			6.7	170	8.3	2.1	17	2.8	20	16	26	92
JAN 20, 75	1640	2	.3	132	--	--	--	--	--	--	--	--
APR 07, 75	1630	2	.3	163	7.6	3.0	15	2.6	22	21	20	87
MAY 20, 75	1520	2	.3	123	6.7	2.5	11	2.4	19	15	15	71
			7.9	121	7.3	2.4	11	2.3	19	14	15	70
JUL 25, 75	0935	2	.3	135	7.2	3.6	14	2.3	24	15	17	82
						LINE 214						
OCT 08, 74	1525	2	.3	11000	--	--	--	--	--	--	--	--
			13.7	29100	--	--	--	--	--	--	--	--
JAN 20, 75	1735	2	.3	389	--	--	--	--	--	--	--	--

TABLE 1C--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CON-DUCTANCE (MICRO-MHOS) (LAB)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
						LINE 214 CONTINUED						
JAN 20, 75	1735	2	13.7	332	--	--	--	--	--	--	--	--
APR 07, 75	1800	2	.3	2600	--	--	--	--	--	--	--	--
			12.2	26800	--	--	--	--	--	--	--	--
MAY 20, 75	1650	2	.3	196	--	--	--	--	--	--	--	--
			13.7	163	--	--	--	--	--	--	--	--
JUL 21, 75	1900	2	.3	6220	--	--	--	--	--	--	--	--
JUL 21, 75	2355	2	.3	5730	--	--	--	--	--	--	--	--
JUL 22, 75	0600	2	.3	6860	--	--	--	--	--	--	--	--
			9.1	24300	--	--	--	--	--	--	--	--
JUL 22, 75	1600	2	.3	7050	58.0	130.0	1200	46.0	42	300	2000	3760
			13.1	26000	190.0	620.0	5200	220.0	90	1200	9000	16500
JUL 22, 75	1800	2	.3	7020	67.0	140.0	1200	46.0	45	290	2100	3870
JUL 22, 75	2000	2	.3	7280	63.0	140.0	1200	47.0	45	310	2000	3790
JUL 22, 75	2200	2	.3	6970	60.0	140.0	1200	46.0	42	290	2000	3770
JUL 22, 75	2400	2	.3	6850	56.0	130.0	1200	45.0	40	320	2000	3780
			9.1	26900	220.0	620.0	5000	210.0	102	1200	9100	16400
JUL 23, 75	1400	2	.3	7100	60.0	130.0	--	45.0	46	280	2100	1200
			9.1	--	--	--	--	--	--	--	--	5000
JUL 23, 75	0200	2	.3	--	--	--	1100	--	--	--	--	--
JUL 23, 75	0400	2	.3	--	--	--	1100	--	--	--	--	--
JUL 23, 75	0600	2	.3	--	--	--	1200	--	--	--	--	--
JUL 23, 75	2400	2	9.1	--	--	--	5500	--	--	--	--	--
JUL 24, 75	0600	2	.3	2600	--	--	--	--	--	--	--	--
			9.1	27900	--	--	--	--	--	--	--	--
JUL 24, 75	1800	2	.3	7250	--	--	--	--	--	--	--	--
			13.4	27800	--	--	--	--	--	--	--	--
JUL 25, 75	1050	2	.3	6530	--	--	--	--	--	--	--	--
			14.9	25100	--	--	--	--	--	--	--	--
						LINE 244						
OCT 08, 74	1625	4	.3	15700	--	--	--	--	--	--	--	--
			1.5	17000	--	--	--	--	--	--	--	--
JAN 21, 75	0935	4	.3	589	--	--	--	--	--	--	--	--
			.9	576	--	--	--	--	--	--	--	--
APR 08, 75	1715	4	.3	3300	--	--	--	--	--	--	--	--
			1.8	3230	--	--	--	--	--	--	--	--
MAY 20, 75	1430	4	.3	245	--	--	--	--	--	--	--	--
			1.5	243	--	--	--	--	--	--	--	--
JUL 25, 75	1115	4	.3	6950	--	--	--	--	--	--	--	--
			1.8	9120	--	--	--	--	--	--	--	--
						LINE 274						
OCT 08, 74	1740	2	.3	10600	--	--	--	--	--	--	--	--

TABLE 1C--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (LAB)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
						LINE 274 CONTINUED						
OCT 08, 74	1740	2	2.1	17100	--	--	--	--	--	--	--	--
JAN 21, 75	1045	2	.3	380	--	--	--	--	--	--	--	--
			2.4	388	--	--	--	--	--	--	--	--
APR 08, 75	1620	2	.3	854	--	--	--	--	--	--	--	--
			2.4	857	--	--	--	--	--	--	--	--
MAY 20, 75	1340	2	.3	256	--	--	--	--	--	--	--	--
			2.4	255	--	--	--	--	--	--	--	--
JUL 25, 75	1215	2	.3	5770	--	--	--	--	--	--	--	--
			2.7	5820	--	--	--	--	--	--	--	--
						LINE 300						
OCT 09, 74	1030	2	.3	15900	140.0	380.0	3200	120.0	74	840	5700	10400
			2.1	22400	190.0	560.0	4900	180.0	94	1300	8700	15900
JAN 21, 75	1155	2	.3	205	8.1	3.5	24	2.8	22	13	38	107
			2.1	375	6.9	4.0	26	2.9	22	13	43	113
APR 08, 75	1050	2	.3	4420	38.0	68.0	830	32.0	39	190	1400	2580
			4.0	4780	41.0	72.0	860	35.0	36	--	--	--
MAY 20, 75	1245	2	.3	1610	--	--	--	--	--	--	--	--
			2.4	3100	27.0	64.0	520	20.0	27	120	920	1690
JUL 25, 75	1035	2	.3	16000	--	--	--	--	--	--	--	--
			2.3	22100	170.0	570.0	4300	180.0	80	1100	7600	14000
						LINE 308						
JUL 21, 75	1900	2	.3	7900	--	--	--	--	--	--	--	--
			10.1	40100	--	--	--	--	--	--	--	--
JUL 22, 75	0100	2	.3	4500	--	--	--	--	--	--	--	--
			9.1	15700	--	--	--	--	--	--	--	--
JUL 22, 75	0300	2	10.4	18700	--	--	--	--	--	--	--	--
JUL 22, 75	0700	2	.3	19100	--	--	--	--	--	--	--	--
			9.1	33600	--	--	--	--	--	--	--	--
JUL 22, 75	0900	2	.3	25900	--	--	--	--	--	--	--	--
			9.1	38600	--	--	--	--	--	--	--	--
JUL 22, 75	1100	2	.3	23500	--	--	--	--	--	--	--	--
			9.1	40200	--	--	--	--	--	--	--	--
JUL 22, 75	1300	2	.3	18900	--	--	--	--	--	--	--	--
			9.1	39100	--	--	--	--	--	--	--	--
JUL 22, 75	1500	2	.3	18900	--	--	--	--	--	--	--	--
			9.1	39600	--	--	--	--	--	--	--	--
JUL 22, 75	1700	2	.3	18400	--	--	--	--	--	--	--	--
			9.1	41000	--	--	--	--	--	--	--	--
JUL 22, 75	1900	2	.3	16100	--	--	--	--	--	--	--	--
			9.8	40600	--	--	--	--	--	--	--	--
JUL 22, 75	2100	2	.3	10800	--	--	--	--	--	--	--	--
			8.8	11600	--	--	--	--	--	--	--	--
JUL 22, 75	2300	2	.3	6900	--	--	--	--	--	--	--	--
			10.1	8530	--	--	--	--	--	--	--	--

TABLE 1C--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (LAB)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
						LINE 308 CONTINUED						
JUL 23, 75	0100	2	.3	4290	--	--	--	--	--	--	--	--
			9.8	6410	--	--	--	--	--	--	--	--
JUL 23, 75	0300	2	.3	5600	--	--	--	--	--	--	--	--
JUL 23, 75	0500	2	.3	12300	--	--	--	--	--	--	--	--
			9.1	26500	--	--	--	--	--	--	--	--
JUL 23, 75	1215	2	.3	21600	--	--	--	--	--	--	--	--
			9.1	37000	--	--	--	--	--	--	--	--
JUL 23, 75	1815	2	.3	28700	--	--	--	--	--	--	--	--
			9.1	40300	--	--	--	--	--	--	--	--
JUL 23, 75	2400	2	.3	8670	--	--	--	--	--	--	--	--
			9.8	9320	--	--	--	--	--	--	--	--
JUL 24, 75	0600	2	.3	14000	--	--	--	--	--	--	--	--
			8.2	32500	--	--	--	--	--	--	--	--
JUL 24, 75	1215	2	.3	23800	--	--	--	--	--	--	--	--
			9.1	40400	--	--	--	--	--	--	--	--
JUL 24, 75	1815	2	.3	20600	--	--	--	--	--	--	--	--
			9.1	40300	--	--	--	--	--	--	--	--
						LINE 313						
JUL 21, 75	1900	2	.3	1410	--	--	--	--	--	--	--	--
JUL 21, 75	2400	2	.3	1790	--	--	--	--	--	--	--	--
JUL 22, 75	0600	2	.3	1530	--	--	--	--	--	--	--	--
JUL 22, 75	0800	2	2.9	1460	--	--	--	--	--	--	--	--
JUL 22, 75	1000	2	2.9	1430	--	--	--	--	--	--	--	--
JUL 22, 75	1200	2	2.9	1550	--	--	--	--	--	--	--	--
JUL 22, 75	1400	2	2.9	1490	--	--	--	--	--	--	--	--
JUL 22, 75	1600	2	2.9	1470	--	--	--	--	--	--	--	--
JUL 22, 75	1800	2	2.9	1530	--	--	--	--	--	--	--	--
JUL 22, 75	2000	2	.3	1500	--	--	--	--	--	--	--	--
JUL 22, 75	2200	2	.3	1460	--	--	--	--	--	--	--	--
JUL 22, 75	2400	2	.3	1640	--	--	--	--	--	--	--	--
JUL 23, 75	1200	2	2.9	2450	--	--	--	--	--	--	--	--
JUL 23, 75	1800	2	2.9	2590	--	--	--	--	--	--	--	--
JUL 23, 75	2400	2	.3	2430	--	--	--	--	--	--	--	--
JUL 23, 75	0200	2	.3	2170	--	--	--	--	--	--	--	--
JUL 23, 75	0400	2	.3	2230	--	--	--	--	--	--	--	--
JUL 23, 75	0600	2	.3	1900	--	--	--	--	--	--	--	--
JUL 24, 75	0600	2	.3	2610	--	--	--	--	--	--	--	--
JUL 24, 75	1200	2	2.9	3070	--	--	--	--	--	--	--	--
JUL 24, 75	1800	2	2.9	3140	--	--	--	--	--	--	--	--

TABLE 1C--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (LAB)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
						LINE 369						
OCT 08, 74	1815	2	.3	23600	--	--	--	--	--	--	--	--
			12.2	38400	--	--	--	--	--	--	--	--
JAN 21, 75	1120	2	.3	6260	--	--	--	--	--	--	--	--
			13.1	31400	--	--	--	--	--	--	--	--
APR 08, 75	1020	2	.3	11300	--	--	--	--	--	--	--	--
			12.5	30200	--	--	--	--	--	--	--	--
MAY 20, 75	1220	2	.3	1960	--	--	--	--	--	--	--	--
			12.2	43300	--	--	--	--	--	--	--	--
JUL 21, 75	1815	2	.3	16900	--	--	--	--	--	--	--	--
			10.1	41700	--	--	--	--	--	--	--	--
JUL 21, 75	2400	2	.3	19700	--	--	--	--	--	--	--	--
			12.2	38300	--	--	--	--	--	--	--	--
JUL 22, 75	0600	2	.3	15000	--	--	--	--	--	--	--	--
			12.2	36700	--	--	--	--	--	--	--	--
JUL 22, 75	0800	2	.3	22200	--	--	--	--	--	--	--	--
			12.8	41500	--	--	--	--	--	--	--	--
JUL 22, 75	1000	2	.3	29700	--	--	--	--	--	--	--	--
			12.2	41800	--	--	--	--	--	--	--	--
JUL 22, 75	1200	2	.3	21200	--	--	--	--	--	--	--	--
			12.2	41600	--	--	--	--	--	--	--	--
JUL 22, 75	1400	2	.3	20700	--	--	--	--	--	--	--	--
			10.7	41600	--	--	--	--	--	--	--	--
JUL 22, 75	1600	2	.3	22000	--	--	--	--	--	--	--	--
			11.0	41800	--	--	--	--	--	--	--	--
JUL 22, 75	1800	2	.3	25800	--	--	--	--	--	--	--	--
			11.0	41900	--	--	--	--	--	--	--	--
JUL 22, 75	2000	2	.3	19400	--	--	--	--	--	--	--	--
			10.7	41500	--	--	--	--	--	--	--	--
JUL 22, 75	2200	2	.3	20400	--	--	--	--	--	--	--	--
			12.2	37500	--	--	--	--	--	--	--	--
JUL 22, 75	2400	2	.3	22400	--	--	--	--	--	--	--	--
			12.2	38100	--	--	--	--	--	--	--	--
JUL 23, 75	0200	2	.3	22200	--	--	--	--	--	--	--	--
			12.2	38500	--	--	--	--	--	--	--	--
JUL 23, 75	0400	2	.3	6470	--	--	--	--	--	--	--	--
			11.6	37700	--	--	--	--	--	--	--	--
JUL 23, 75	0600	2	12.2	32500	--	--	--	--	--	--	--	--
JUL 23, 75	1200	2	.3	22200	--	--	--	--	--	--	--	--
			12.2	40500	--	--	--	--	--	--	--	--
JUL 23, 75	1800	2	.3	27900	--	--	--	--	--	--	--	--
			12.2	41400	--	--	--	--	--	--	--	--
JUL 23, 75	2400	2	.3	21500	--	--	--	--	--	--	--	--
			12.2	35400	--	--	--	--	--	--	--	--
JUL 24, 75	0600	2	.3	14500	--	--	--	--	--	--	--	--

TABLE 1C--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (LAB)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)
						LINE 369 CONTINUED						
JUL 24, 75	0600	2	11.6	37100	--	--	--	--	--	--	--	--
JUL 24, 75	1200	2	.3	24200	--	--	--	--	--	--	--	--
			12.2	41400	--	--	--	--	--	--	--	--
JUL 24, 75	1800	2	.3	23200	--	--	--	--	--	--	--	--
			12.2	40800	--	--	--	--	--	--	--	--
JUL 25, 75	1300	2	.3	16300	--	--	--	--	--	--	--	--
			12.8	44300	--	--	--	--	--	--	--	--
						LINE 903						
OCT 09, 74	1225	1	.3	37100	280.0	840.0	7100	330.0	140	1800	13000	23400
			7.3	39600	300.0	880.0	7900	250.0	140	2000	14000	25400
JAN 21, 75	1030	1	.6	28200	210.0	620.0	5600	220.0	102	1300	9800	17800
			10.7	43400	300.0	1000.0	8800	330.0	140	2100	15000	27600
JUL 25, 75	1150	1	.3	36600	300.0	850.0	6800	280.0	113	1800	12000	22100
			7.0	47500	390.0	1200.0	9600	380.0	140	2400	17000	31000
						LINE 910						
OCT 09, 74	1155	1	.3	44200	--	--	--	--	--	--	--	--
			11.6	46700	--	--	--	--	--	--	--	--
						LINE 925						
OCT 09, 74	1100	1	.3	47600	370.0	950.0	9500	330.0	146	2500	17000	30700
			12.8	48800	380.0	940.0	9800	320.0	148	2400	18000	31900

TABLE 10--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED ALUMI-NUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	BOTTOM DEPOSIT ARSENIC (AS) (UG/GM)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	BOTTOM DEPOSIT CADMIUM (CD) (UG/GM)	DIS-SOLVED FLUORIDE (F) (MG/L)
						LINE 15					
OCT 08, 74	1345	2	.3	30	0	--	--	0	--	--	--
APR 07, 75	1625	2	.3	--	--	--	--	--	--	--	.2
MAY 20, 75	1600	2	.3	--	--	--	--	--	--	--	.2
JUL 25, 75	0950	2	.3	--	--	--	--	--	--	--	.2
						LINE 87					
OCT 08, 74	1535	2	.3	0	0	0	--	0	2	--	--
			6.1	20	0	--	5	0	--	< 10.00	--
						LINE 107					
OCT 08, 74	1350	2	.3	40	1	--	--	0	--	--	--
			6.7	50	1	--	--	1	--	--	--
APR 07, 75	1630	2	.3	--	--	--	--	--	--	--	.2
MAY 20, 75	1520	2	.3	--	--	--	--	--	--	--	.4
			7.9	--	--	--	--	--	--	--	.2
JUL 25, 75	0935	2	.3	--	--	--	--	--	--	--	.2
						LINE 214					
OCT 08, 74	1525	2	.3	10	0	)	--	3	1	--	--
			13.7	20	0	--	13	0	--	< 10.00	--
JUL 22, 75	1600	2	.3	--	--	--	--	--	--	--	.3
			13.1	--	--	--	--	--	--	--	.8
JUL 22, 75	1800	2	.3	--	--	--	--	--	--	--	.3
JUL 22, 75	2000	2	.3	--	--	--	--	--	--	--	.3
JUL 22, 75	2200	2	.3	--	--	--	--	--	--	--	.3
JUL 22, 75	2400	2	.3	--	--	--	--	--	--	--	.3
			9.1	--	--	--	--	--	--	--	.8
JUL 23, 75	1400	2	.3	--	--	--	--	--	--	--	.3
						LINE 244					
OCT 08, 74	1625	4	.3	10	1	--	--	2	--	--	--
						LINE 274					
OCT 08, 74	1740	2	.3	20	1	--	--	2	--	--	--
			2.1	--	--	--	5	--	--	< 10.00	--
						LINE 300					
OCT 09, 74	1030	2	2.1	--	--	--	1	--	--	< 10.00	--
JAN 21, 75	1155	2	.3	--	--	--	--	--	--	--	.1
			2.1	--	--	--	--	--	--	--	.1
APR 08, 75	1050	2	.3	--	--	--	--	--	--	--	.3

TABLE 10--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED ALUMI-NUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	BOTTOM DEPOSIT ARSENIC (AS) (UG/GM)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	BOTTOM DEPOSIT CADMIUM (CD) (UG/GM)	DIS-SOLVED FLUORIDE (F) (MG/L)
						LINE 300 CONTINUED					
MAY 20, 75	1245	2	2.4	--	--	--	--	--	--	--	.3
JUL 25, 75	1035	2	2.3	--	--	--	--	--	--	--	.7
						LINE 369					
OCT 08, 74	1815	2	.3	10	0	1	--	2	1	--	--
			12.2	20	0	--	7	2	--	< 10.00	--
						LINE 903					
OCT 09, 74	1225	1	.3	0	1	--	--	0	--	--	--
			7.3	20	1	--	--	0	--	--	--
JAN 21, 75	1030	1	.6	--	--	--	--	--	--	--	.9
			10.7	--	--	--	--	--	--	--	1.3
JUL 25, 75	1150	1	.3	--	--	--	--	--	--	--	1.0
			7.0	--	--	--	--	--	--	--	1.4
						LINE 925					
OCT 09, 74	1100	1	.3	1	1	1	--	1	0	--	--
			12.8	0	1	1	--	0	0	--	--

TABLE 1D--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	BOTTOM DEPOSIT COBALT (CO) (UG/GM)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	BOTTOM DEPOSIT COPPER (CU) (UG/GM)
						LINE 15					
OCT 08, 74	1345	2	.3	.00	--	5	--	--	2	--	--
						LINE 67					
OCT 08, 74	1535	2	.3	2.00	< 10.00	5	3	--	3	9.0	--
			6.1	1.00	--	6	--	< 10.00	24	--	< 10.00
						LINE 107					
OCT 08, 74	1350	2	.3	.00	--	0	--	--	4	--	--
			6.7	.00	--	0	--	--	8	--	--
						LINE 214					
OCT 08, 74	1525	2	.3	1.00	< 10.00	4	3	--	6	11.0	--
			13.7	1.00	--	5	--	< 10.00	8	--	< 10.00
						LINE 244					
OCT 08, 74	1625	4	.3	1.00	--	4	--	--	14	--	--
						LINE 274					
OCT 08, 74	1740	2	.3	1.00	--	4	--	--	5	--	--
			2.1	--	--	--	--	< 10.00	--	--	< 10.00
						LINE 300					
OCT 09, 74	1030	2	2.1	--	--	--	--	< 10.00	--	--	< 10.00
						LINE 369					
OCT 08, 74	1815	2	.3	2.00	< 10.00	4	3	--	3	9.0	--
			12.2	.00	--	4	--	< 10.00	2	--	< 10.00
						LINE 903					
OCT 09, 74	1225	1	.3	.00	--	0	--	--	6	--	--
			7.3	.00	--	0	--	--	6	--	--
						LINE 925					
OCT 09, 74	1100	1	.3	.00	10.00	0	0	--	6	12.0	--
			12.8	1.00	10.00	0	0	--	6	13.0	--

TABLE 10--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED CYANIDE (CN) (MG/L)	BOTTOM DEPOSIT CYANIDE (CN) (UG/GM)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	BOTTOM DEPOSIT IRON (FE) (UG/GM)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	BOTTOM DEPOSIT LEAD (PB) (UG/GM)
						LINE 15					
OCT 08, 74	1345	2	.3	--	--	210	--	--	7	--	--
						LINE 87					
OCT 08, 74	1535	2	.3	--	--	40	20	--	8	5	--
			6.1	--	.0	90	--	--	8	--	< 10.00
						LINE 107					
OCT 08, 74	1350	2	.3	--	--	200	--	--	1	--	--
			6.7	--	--	270	--	--	1	--	--
						LINE 214					
OCT 08, 74	1525	2	.3	--	--	70	490	--	8	5	--
			13.7	--	.0	100	--	--	5	--	< 10.00
						LINE 244					
OCT 08, 74	1625	4	.3	--	--	60	--	--	6	--	--
						LINE 274					
OCT 08, 74	1740	2	.3	--	--	40	--	--	7	--	--
			2.1	--	.0	--	--	--	--	--	< 10.00
						LINE 300					
OCT 09, 74	1030	2	2.1	--	.0	--	--	--	--	--	< 10.00
						LINE 369					
OCT 08, 74	1815	2	.3	--	--	80	320	--	8	5	--
			12.2	--	.0	110	--	--	9	--	< 10.00
						LINE 903					
OCT 09, 74	1225	1	.3	--	--	90	--	--	0	--	--
			7.3	--	--	130	--	--	0	--	--
						LINE 925					
OCT 09, 74	1100	1	.3	--	--	130	180	--	0	4	--
			12.8	--	--	130	320	--	1	8	--

TABLE 10--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	BOTTOM DEPOSIT MANGANESE (MN) (UG/GM)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	BOTTOM DEPOSIT MERCURY (HG) (UG/GM)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)
						LINE 15						
OCT 08, 74	1345	2	.3	0	60	--	--	.1	--	--	1	190
						LINE 87						
OCT 08, 74	1535	2	.3	30	100	140	--	.1	.1	--	2	1500
			6.1	92	60	--	130	.1	--	.1	1	3000
						LINE 107						
OCT 08, 74	1350	2	.3	8	26	--	--	.0	--	--	3	150
			6.7	8	0	--	--	.0	--	--	1	150
						LINE 214						
OCT 08, 74	1525	2	.3	30	60	110	--	.2	.1	--	2	1500
			13.7	92	40	--	350	.2	--	.3	1	3300
						LINE 244						
OCT 08, 74	1625	4	.3	58	22	--	--	.3	--	--	2	2000
						LINE 274						
OCT 08, 74	1740	2	.3	30	35	--	--	.2	--	--	1	1300
			2.1	--	--	--	170	--	--	.1	--	--
						LINE 300						
OCT 09, 74	1030	2	2.1	--	--	--	210	--	--	.1	--	--
						LINE 369						
OCT 08, 74	1815	2	.3	75	26	60	--	.2	.3	--	2	2200
			12.2	120	47	--	70	.2	--	.1	1	3300
						LINE 903						
OCT 09, 74	1225	1	.3	120	94	--	--	.0	--	--	4	4100
			7.3	150	150	--	--	.1	--	--	0	4300
						LINE 925						
OCT 09, 74	1100	1	.3	160	180	200	--	.0	.2	--	1	4900
			12.8	150	140	200	--	.0	.3	--	1	5000

TABLE 10--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	BOTTOM DEPOSIT ZINC (ZN) (UG/GM)
						LINE 15
OCT 08, 74	1345	2	.3	10	--	--
						LINE 87
OCT 08, 74	1535	2	.3	40	30	--
			6.1	50	--	10.00
						LINE 107
OCT 08, 74	1350	2	.3	20	--	--
			6.7	20	--	--
						LINE 214
OCT 08, 74	1525	2	.3	40	40	--
			13.7	60	--	30.00
						LINE 244
OCT 08, 74	1625	4	.3	40	--	--
						LINE 274
OCT 08, 74	1740	2	.3	30	--	--
			2.1	--	--	40.00
						LINE 300
OCT 09, 74	1030	2	2.1	--	--	20.00
						LINE 369
OCT 08, 74	1815	2	.3	30	30	--
			12.2	40	--	10.00
						LINE 903
OCT 09, 74	1225	1	.3	40	--	--
			7.3	40	--	--
						LINE 925
OCT 09, 74	1100	1	.3	60	70	--
			12.8	60	70	--

TABLE 15--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL ALDRIN (UG/L)	BOTTOM DEPOSIT ALDRIN (UG/KG)	TOTAL CHLOR-DANE (UG/L)	BOTTOM DEPOSIT CHLOR-DANE (UG/KG)	TOTAL DDD (UG/L)	BOTTOM DEPOSIT DDD (UG/KG)	TOTAL DDE (UG/L)	BOTTOM DEPOSIT DDE (UG/KG)
						LINE 15					
OCT 08, 74	1345	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 87					
OCT 08, 74	1535	2	.3	.00	--	.0	--	.00	--	.00	--
			6.1	--	.0	--	.0	--	.0	--	.0
						LINE 107					
OCT 08, 74	1351	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 214					
OCT 08, 74	1525	2	.3	.00	--	.0	--	.10	--	.00	--
			13.7	--	.0	--	.0	--	2.1	--	1.1
						LINE 244					
OCT 08, 74	1625	4	.3	.00	--	.0	--	.00	--	.00	--
						LINE 274					
OCT 08, 74	1747	2	.3	.00	--	.0	--	.00	--	.00	--
			2.1	--	.0	--	.0	--	.0	--	.0
						LINE 300					
OCT 09, 74	1030	2	.3	.00	--	.0	--	.00	--	.00	--
			2.1	--	.0	--	.0	--	.0	--	.0
						LINE 369					
OCT 08, 74	1815	2	.3	.00	--	.0	--	.00	--	.00	--
			12.2	--	.0	--	.0	--	.0	--	.0
						LINE 903					
OCT 09, 74	1225	1	.3	.00	--	.0	--	.00	--	.00	--
						LINE 925					
OCT 09, 74	1100	1	.3	.00	--	.0	--	.00	--	.00	--

TABLE 16--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL DDT (UG/L)	BOTTOM DEPOSIT DDT (UG/KG)	TOTAL DIEL-DRIN (UG/L)	BOTTOM DEPOSIT DIEL-DRIN (UG/KG)	TOTAL ENDRIN (UG/L)	BOTTOM DEPOSIT ENDRIN (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	BOTTOM DEPOSIT HEPTA-CHLOR (UG/KG)
						LINE 15					
OCT 08, 74	1345	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 87					
OCT 08, 74	1535	2	.3	.00	--	.00	--	.00	--	.00	--
			6.1	--	.0	--	.0	--	.0	--	.0
						LINE 107					
OCT 08, 74	1350	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 214					
OCT 08, 74	1525	2	.3	.00	--	.00	--	.00	--	.00	--
			13.7	--	.0	--	.3	--	.0	--	.0
						LINE 244					
OCT 08, 74	1625	4	.3	.00	--	.00	--	.00	--	.00	--
						LINE 274					
OCT 08, 74	1740	2	.3	.00	--	.00	--	.00	--	.00	--
			2.1	--	.0	--	.0	--	.0	--	.0
						LINE 300					
OCT 09, 74	1030	2	.3	.00	--	.00	--	.00	--	.00	--
			2.1	--	.0	--	.0	--	.0	--	.0
						LINE 369					
OCT 08, 74	1815	2	.3	.00	--	.00	--	.00	--	.00	--
			12.2	--	.0	--	.1	--	.0	--	.0
						LINE 903					
OCT 09, 74	1225	1	.3	.00	--	.00	--	.00	--	.00	--
						LINE 925					
OCT 09, 74	1100	1	.3	.00	--	.00	--	.00	--	.00	--

TABLE 1E--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	BOTTOM DEPOSIT HEPTA-CHLOR EPOXIDE (UG/KG)	TOTAL LINDANE (UG/L)	BOTTOM DEPOSIT LINDANE (UG/KG)	TOTAL PARA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL DIAZ-INON (UG/L)
						LINE 15					
OCT 08, 74	1345	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 87					
OCT 08, 74	1535	2	.3	.00	--	.00	--	.00	.00	.00	.00
			6.1	--	.0	--	.0	--	--	--	--
						LINE 107					
OCT 08, 74	1350	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 214					
OCT 08, 74	1525	2	.3	.00	--	.00	--	.00	.00	.00	.00
			13.7	--	.0	--	.0	--	--	--	--
						LINE 244					
OCT 08, 74	1625	4	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 274					
OCT 08, 74	1740	2	.3	.00	--	.00	--	.00	.00	.00	.00
			2.1	--	.0	--	.0	--	--	--	--
						LINE 300					
OCT 09, 74	1030	2	.3	.00	--	.00	--	.00	.00	.00	.00
			2.1	--	.0	--	.0	--	--	--	--
						LINE 369					
OCT 08, 74	1815	2	.3	.00	--	.00	--	.00	.00	.00	.00
			12.2	--	.0	--	.0	--	--	--	--
						LINE 903					
OCT 09, 74	1225	1	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 925					
OCT 09, 74	1100	1	.3	.00	--	.00	--	.00	.00	.00	.00

TABLE 1E--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL PCB (UG/L)	BOTTOM DEPOSIT PCB (UG/KG)	TOTAL 2,4-D (UG/L)	BOTTOM DEPOSIT 2,4-D (UG/KG)	TOTAL 2,4,5-T (UG/L)	BOTTOM DEPOSIT 2,4,5-T (UG/KG)	TOTAL SILVEX (UG/L)	BOTTOM DEPOSIT SILVEX (UG/KG)
						LINE 15					
OCT 08, 74	1345	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 87					
OCT 08, 74	1535	2	.3	.0	--	.00	--	.00	--	.00	--
			6.1	--	.0	--	--	--	--	--	--
						LINE 107					
OCT 08, 74	1350	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 214					
OCT 08, 74	1525	2	.3	.0	--	.00	--	.00	--	.00	--
			13.7	--	17.0	--	--	--	--	--	--
						LINE 244					
OCT 08, 74	1625	4	.3	.0	--	.00	--	.00	--	.00	--
						LINE 274					
OCT 08, 74	1740	2	.3	.0	--	.00	--	.00	--	.00	--
			2.1	--	.0	--	--	--	--	--	--
						LINE 300					
OCT 09, 74	1030	2	.3	.0	--	.00	--	.00	--	.00	--
			2.1	--	.0	--	--	--	--	--	--
						LINE 369					
OCT 08, 74	1815	2	.3	.0	--	.00	--	.00	--	.00	--
			12.2	--	.0	--	--	--	--	--	--
						LINE 903					
OCT 09, 74	1225	1	.3	.0	--	.00	--	.00	--	.00	--
						LINE 925					
OCT 09, 74	1100	1	.3	.0	--	.02	--	.00	--	.00	--

TABLE 1F--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL TOXAPHENE (UG/L)	BOTTOM DEPOSIT TOXAPHENE (UG/KG)	TOTAL ETHION (UG/L)	BOTTOM DEPOSIT ETHION (UG/KG)	TOTAL METHYL TRITHION (UG/L)	BOTTOM DEPOSIT METHYL TRITHION (UG/KG)	TOTAL TRITHION (UG/L)	BOTTOM DEPOSIT TRITHION (UG/KG)
						LINE 15					
OCT 08, 74	1245	2	.3	.0	--	--	--	--	--	--	--
						LINE 87					
OCT 08, 74	1535	2	.3	.0	--	--	--	--	--	--	--
			6.1	--	0.	--	--	--	--	--	--
						LINE 167					
OCT 08, 74	1350	2	.3	.0	--	--	--	--	--	--	--
						LINE 214					
OCT 08, 74	1525	2	.3	.0	--	--	--	--	--	--	--
			13.7	--	0.	--	--	--	--	--	--
						LINE 244					
OCT 08, 74	1625	4	.3	.0	--	--	--	--	--	--	--
						LINE 274					
OCT 08, 74	1740	2	.3	.0	--	--	--	--	--	--	--
			2.1	--	0.	--	--	--	--	--	--
						LINE 300					
OCT 09, 74	1030	2	.3	.0	--	--	--	--	--	--	--
			2.1	--	0.	--	--	--	--	--	--
						LINE 369					
OCT 08, 74	1815	2	.3	.0	--	--	--	--	--	--	--
			12.2	--	0.	--	--	--	--	--	--
						LINE 903					
OCT 09, 74	1225	1	.3	.0	--	--	--	--	--	--	--
						LINE 925					
OCT 09, 74	1100	1	.3	.0	--	--	--	--	--	--	--

TABLE 1F--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR

BACTERIOLOGICAL AND CHLOROPHYLL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	CHLOROPHYLL A (UG/L)
						LINE 15	
OCT 08, 74	1345	2	.3	110	39	69	--
APR 07, 75	1625	2	.3	480	150	64	.00
MAY 20, 75	1600	2	.3	330	32	80	--
JUL 25, 75	0950	2	.3	--	34	78	--
						LINE 67	
OCT 08, 74	1535	2	.3	130	23	18	--
APR 07, 75	1755	2	.3	280	--	37	.30
MAY 20, 75	1730	2	.3	150	36	98	--
JUL 25, 75	1050	2	.3	750	250	140	--
						LINE 107	
APR 07, 75	1630	2	.3	450	--	110	.30
MAY 20, 75	1520	2	.3	220	50	170	.80
JUL 25, 75	0935	2	.3	56	26	30	--
						LINE 214	
OCT 08, 74	1525	2	.3	48	14	23	4.40
APR 07, 75	1800	2	.3	--	350	50	3.30
MAY 20, 75	1650	2	.3	*	16	50	--
JUL 25, 75	1050	2	.3	75	13	48	--
						LINE 244	
OCT 08, 74	1625	4	.3	23	8	10	5.70
APR 08, 75	1715	4	.3	--	--	98	1.20
MAY 20, 75	1430	4	.3	--	24	560	--
JUL 25, 75	1115	4	.3	--	4	20	--
						LINE 274	
OCT 08, 74	1740	2	.3	25	1	0	10.00
APR 08, 75	1620	2	.3	--	--	130	.40
MAY 20, 75	1340	2	.3	260	0	170	--
JUL 25, 75	1215	2	.3	1	1	1	--
						LINE 300	
OCT 09, 74	1030	2	.3	4	2	1	--

* - TOO NUMEROUS TO COUNT

TABLE 1F--QUALITY OF WATER IN THE SABINE-NECHES ESTUARY,

1975 WATER YEAR--CONTINUED

BACTERIOLOGICAL AND CHLOROPHYLL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	CHLOROPHYLL A (UG/L)
				LINE 300 CONTINUED			
APR 08, 75	1050	2	.3	0	--	0	--
MAY 20, 75	1245	2	.3	--	2	76	--
JUL 25, 75	1035	2	.3	25	1	2	--
				LINE 369			
OCT 08, 74	1815	2	.3	16	2	4	--
APR 08, 75	1020	2	.3	26	--	32	.30
MAY 20, 75	1220	2	.3	--	26	460	--
				LINE 903			
OCT 09, 74	1225	1	.3	0	0	5	.00
JUL 25, 75	1150	1	.3	9	1	9	--
				LINE 925			
OCT 09, 74	1100	1	.3	1	0	0	--

Brazos Estuary

The Brazos estuary covers an area of about 3 square miles (8 km^2) and consists of the tidal parts of the Brazos River and parts of the Intracoastal Waterway (Figure 3). Although Freeport Harbor is not directly connected with the estuary, wastes from industrial operations around the habor are discharged into the estuary. River depth at mlw is about 10 feet (3.0 m) and about 15 feet (4.6 m) in the Intracoastal Waterway.

Water-quality data (Table 2) were collected during October 1974 and January and May 1975.

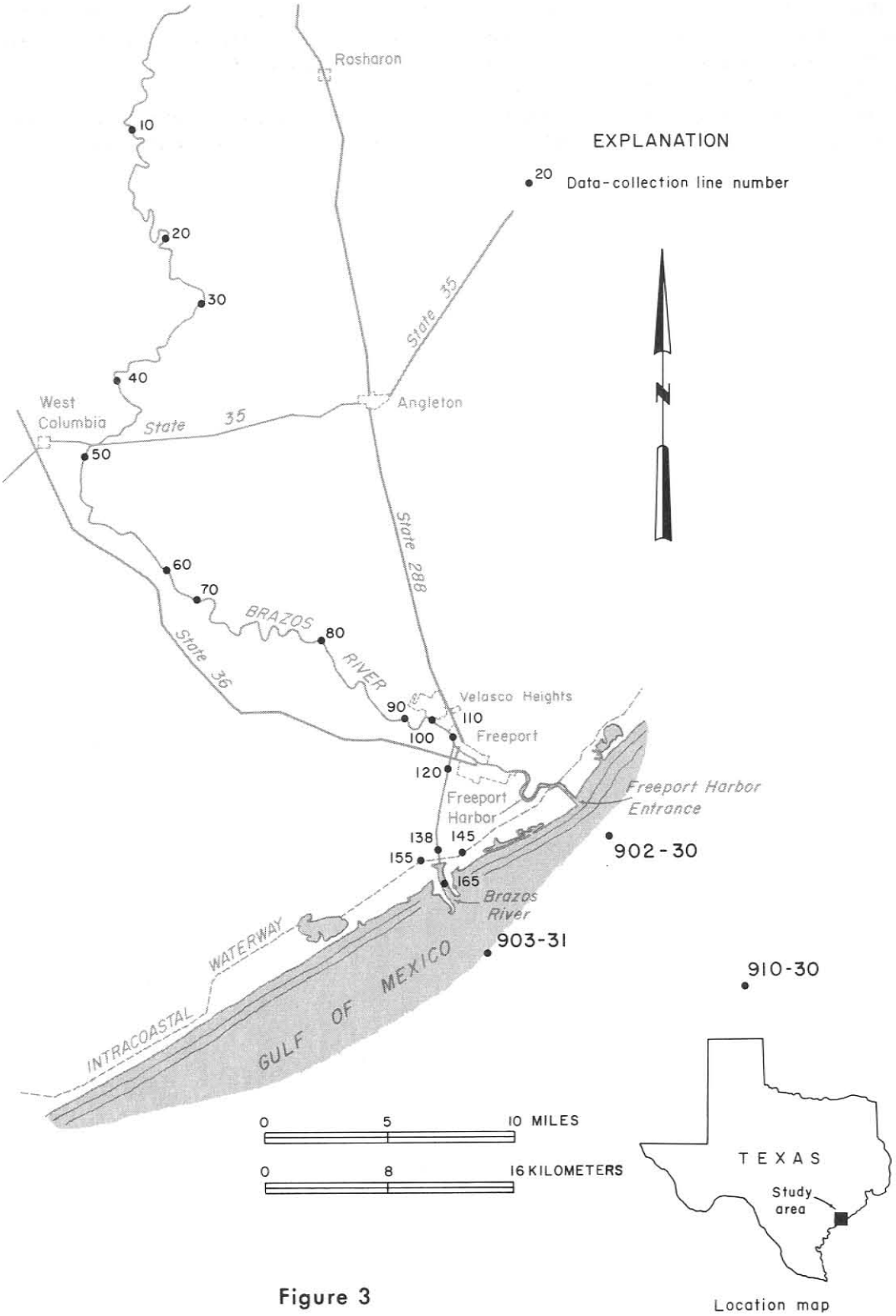

Figure 3

Data-Collection Sites in the Brazos Estuary

Base by U. S. Geological Survey, 1956

TABLE 2A--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
						LINE 20				
OCT 10, 74	1150	2	.3	550	24.0	7.8	8.8	104	200.	10
			1.5	550	24.0	7.8	8.8	104	200.	--
			3.7	550	24.0	7.9	8.8	104	200.	--
JAN 22, 75	1315	2	.3	700	11.8	8.1	10.0	92	340.	17
			1.5	700	11.8	8.2	10.1	93	340.	--
			3.0	700	11.9	8.5	10.0	93	340.	--
			4.6	700	11.9	8.5	9.9	92	320.	--
MAY 21, 75	1630	2	.3	390	27.0	--	6.8	84	--	9
			1.5	390	27.0	--	7.0	86	--	--
			5.5	390	27.0	--	7.0	86	--	--
						LINE 50				
OCT 10, 74	1300	2	.3	590	24.0	7.5	8.9	105	210.	8
			1.5	580	24.0	7.5	9.0	106	210.	--
			3.0	580	24.0	7.5	9.0	106	205.	--
			6.1	580	25.0	7.5	9.2	110	220.	--
			8.5	580	25.0	7.5	9.4	112	210.	--
JAN 22, 75	1350	2	.3	700	11.9	8.2	10.1	94	280.	10
			1.5	700	11.9	8.3	10.1	94	300.	--
			3.0	700	11.9	8.3	10.1	94	350.	--
			6.1	700	11.9	8.3	10.3	95	340.	--
MAY 21, 75	1710	2	.3	400	27.0	--	7.0	86	--	5
			1.5	400	27.0	--	7.0	86	--	--
			5.8	400	27.0	--	7.1	88	--	--
						LINE 70				
OCT 10, 74	1320	2	.3	640	24.3	7.5	9.2	108	200.	15
			3.0	640	24.3	7.6	9.2	108	250.	--
			5.2	640	24.3	7.6	9.5	112	250.	--
JAN 22, 75	1415	2	.3	700	11.3	8.4	10.1	92	250.	11
			1.5	700	11.4	8.4	10.2	93	330.	--
			3.0	700	11.4	8.4	10.1	92	310.	--
			5.8	700	11.7	8.4	10.0	92	320.	--
MAY 21, 75	1710	2	.3	400	26.1	7.9	6.6	80	> 500.	7
			3.0	400	26.1	7.9	6.6	80	> 500.	--
			6.4	400	26.1	8.1	6.7	82	> 500.	--
						LINE 90				
OCT 10, 74	1235	2	.3	660	24.2	7.6	9.0	106	110.	--
			1.5	660	24.2	7.6	8.9	105	170.	--
			3.0	670	24.2	7.6	8.8	104	190.	--
			6.4	1100	24.3	7.7	8.8	104	250.	--
JAN 22, 75	1345	2	.3	680	11.5	8.1	10.0	91	420.	14
			1.5	680	11.5	8.1	10.0	91	480.	--
			3.0	680	11.5	8.1	10.1	92	500.	--
			4.6	680	11.5	8.1	10.0	91	500.	--
			7.0	680	11.5	8.2	9.8	89	500.	--
MAY 21, 75	1815	2	.3	390	27.0	--	7.0	86	--	6
			1.5	390	27.0	--	7.0	86	--	--
			5.5	390	27.0	--	7.1	88	--	--
						LINE 100				
OCT 10, 74	1205	2	.3	2300	24.9	8.0	8.6	104	80.	43

TABLE 2A--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 100 CONTINUED					
OCT 10, 74	1205	2	1.5	9000	25.6	8.2	8.2	102	90.	--
			2.4	24000	29.2	8.4	7.5	104	65.	--
			3.7	28000	30.2	8.5	7.1	103	80.	--
JAN 22, 75	1330	2	.3	1300	11.8	8.2	9.8	90	320.	18
			1.5	4100	12.6	8.2	9.1	86	370.	--
			3.0	16000	15.3	8.5	8.5	89	250.	--
			5.2	32000	19.5	9.1	7.7	94	--	--
MAY 21, 75	1630	2	.3	1800	26.7	7.8	7.0	86	> 500.	9
			1.8	2400	27.0	7.8	6.6	83	> 500.	--
			3.7	2000	26.8	7.8	6.4	80	> 500.	--
					LINE 110					
OCT 10, 74	1120	1	.3	5500	25.3	8.1	8.7	107	50.	--
			1.5	13000	26.7	8.1	8.1	104	35.	--
			3.0	25000	29.1	8.0	7.5	106	30.	--
			5.2	26000	29.4	7.9	7.6	107	60.	--
JAN 22, 75	1315	1	.3	5600	12.8	8.4	8.4	81	190.	--
			2.4	11000	13.9	8.6	9.0	89	160.	--
MAY 21, 75	1600	1	.3	3500	27.0	7.9	6.7	84	225.	13
			1.5	6200	27.1	7.7	7.0	89	210.	--
			3.0	26000	28.1	7.5	5.8	81	400.	--
OCT 10, 74	1130	2	.3	5700	25.4	8.0	9.4	116	40.	43
			1.5	13000	26.6	8.2	8.2	106	50.	--
			3.0	25000	29.2	8.0	7.5	106	40.	--
			4.0	27000	29.7	8.0	7.4	107	70.	--
JAN 22, 75	1245	2	.3	4100	12.4	8.3	9.3	88	220.	--
			1.5	6000	12.8	8.5	9.2	88	200.	--
			3.0	8000	12.6	8.5	9.1	87	200.	--
			4.3	18000	15.6	8.8	7.6	80	220.	--
MAY 21, 75	1545	2	.3	3400	27.0	7.7	6.7	84	210.	15
			2.1	10000	27.4	7.6	6.3	81	250.	--
			4.0	28000	28.5	7.3	6.6	94	500.	--
OCT 10, 74	1150	3	.3	6000	25.5	8.1	9.2	114	50.	43
			1.5	8900	26.1	8.0	8.6	108	50.	--
			2.4	22000	28.3	8.0	7.8	107	50.	--
			3.4	27000	29.5	7.9	7.7	110	50.	--
JAN 22, 75	1240	3	.3	5100	12.6	8.4	9.6	91	190.	28
			1.5	5600	12.9	8.4	9.6	92	200.	--
			3.7	22000	16.2	8.7	8.7	95	120.	--
MAY 21, 75	1610	3	.3	4000	27.0	7.5	7.6	95	225.	14
			1.5	5000	27.1	7.5	7.7	96	275.	--
			3.0	21000	28.0	7.6	5.9	81	250.	--
					LINE 120					
OCT 10, 74	1105	2	.3	7500	25.6	8.1	8.5	105	40.	41
			1.5	9500	25.7	8.0	8.1	100	45.	--
			3.0	19000	27.5	8.0	7.6	101	30.	--
			4.6	23000	28.6	8.0	7.4	103	30.	--
			5.8	24000	28.7	8.0	7.7	107	30.	--
JAN 22, 75	1220	2	.3	5200	12.6	8.3	9.8	93	120.	40
			1.5	5500	12.7	8.3	9.7	92	140.	--
			3.0	6700	13.0	8.3	9.6	92	150.	--
			6.4	14000	14.2	8.4	9.4	94	350.	--
MAY 21, 75	1535	2	.3	4200	27.1	7.8	6.6	83	130.	17

TABLE 2A--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 120 CONTINUED					
MAY 21, 75	1535	2	2.7	10000	27.1	7.8	6.3	80	200.	--
			5.5	14000	27.1	7.8	6.1	78	> 500.	--
					LINE 138					
OCT 10, 74	1050	2	.3	8600	25.7	8.0	8.3	102	30.	46
			1.5	9200	25.7	8.0	8.0	99	30.	--
			3.0	16000	27.2	8.0	7.6	99	30.	--
			4.6	24000	28.7	8.4	7.4	100	30.	--
			6.4	28000	27.9	8.3	7.2	101	25.	--
JAN 22, 75	1155	2	.3	6800	12.8	8.4	9.8	94	80.	30
			1.5	6500	12.8	8.4	9.8	94	90.	--
			3.0	6500	12.8	8.4	9.8	94	95.	--
			5.8	10000	13.9	8.4	9.7	96	130.	--
MAY 21, 75	1520	2	.3	5300	27.1	7.9	6.5	82	160.	19
			1.5	5300	27.1	7.9	6.5	82	110.	--
			2.4	9000	27.1	7.8	6.5	82	--	--
			3.0	13000	27.1	7.9	6.1	78	200.	--
			6.1	14000	27.4	7.9	6.1	79	> 500.	--
					LINE 145					
OCT 10, 74	1020	2	.3	20000	25.7	8.0	6.1	79	80.	33
			1.5	21000	25.3	7.9	5.6	72	100.	--
			3.0	23000	25.3	7.8	5.5	70	140.	--
			4.3	24000	25.3	7.8	5.0	64	> 500.	--
JAN 22, 75	1110	2	.3	10000	13.7	8.5	9.3	91	200.	39
			1.5	10000	13.7	8.5	9.3	91	290.	--
			4.0	10000	13.7	8.5	9.3	91	500.	--
MAY 21, 75	1445	2	.3	8000	27.6	7.9	6.2	79	75.	17
			1.8	10000	27.1	7.9	6.0	76	150.	--
			4.0	--	27.0	7.8	--	--	> 500.	--
					LINE 155					
OCT 10, 74	1035	2	.3	21000	25.7	7.9	6.4	83	80.	36
			1.5	22000	25.2	7.8	6.2	79	100.	--
			3.4	22000	25.3	7.8	6.4	82	200.	--
JAN 22, 75	1140	2	.3	9000	13.3	8.5	9.5	93	100.	30
			1.5	9000	13.3	8.5	9.5	93	120.	--
			3.0	11000	13.4	8.5	9.5	93	220.	--
			5.2	13000	13.4	8.5	10.2	101	300.	--
MAY 21, 75	1505	2	.3	11000	28.0	8.0	6.6	86	80.	25
			1.5	13000	27.5	8.0	6.3	82	130.	--
			3.0	19000	27.2	8.0	6.1	80	180.	--
					LINE 903					
OCT 10, 74	0940	30	.3	41000	24.4	8.1	8.4	117	10.	188
			3.0	42000	24.4	8.0	8.2	114	10.	--
			6.1	45000	24.6	8.0	6.7	96	5.	--
			9.1	47000	24.7	8.0	7.1	101	10.	--
			12.2	47000	24.7	8.0	6.8	97	5.	--

TABLE 2B--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
						LINE 20						
OCT 10, 74	1150	2	.3	9.7	.26	.00	.00	--	.19	.8	4	--
			3.7	9.8	.26	.00	.00	--	.23	1.1	2	--
JAN 22, 75	1315	2	.3	8.6	.42	.01	.00	--	.23	1.7	0	8.4
			4.6	8.6	.31	.01	.01	--	.27	1.2	1	--
MAY 21, 75	1630	2	.3	9.1	.63	.04	.02	--	.26	.6	1	11.0
			5.5	9.1	.62	.02	.04	--	.44	.7	2	10.0
						LINE 90						
OCT 10, 74	1235	2	.3	--	.25	.03	.01	--	.16	1.5	0	4.0
			6.4	--	--	--	--	--	--	1.3	2	--
JAN 22, 75	1345	2	.3	--	.29	.02	.01	--	.32	1.2	0	12.0
			7.0	--	.47	.02	.00	--	.22	1.7	0	8.8
MAY 21, 75	1815	2	.3	--	.48	.07	.00	--	.37	.7	1	9.2
			5.5	--	.63	.01	.01	--	.29	.8	0	11.0
						LINE 110						
OCT 10, 74	1130	2	.3	8.6	.27	.22	.01	--	.10	1.5	5	4.9
			4.0	3.9	.18	3.80	.03	--	.10	2.0	0	7.6
JAN 22, 75	1245	2	.3	7.5	.34	.11	.00	--	.15	1.3	0	5.8
			4.3	5.8	.33	1.50	.01	--	.18	.9	0	9.5
MAY 21, 75	1545	2	.3	8.7	.56	.04	.01	--	.23	.5	2	--
			4.0	--	.23	2.00	.00	--	.32	4.8	23	--
						LINE 138						
OCT 10, 74	1050	2	.3	--	.25	.67	.01	--	.09	1.9	0	--
			6.4	--	.18	1.60	.03	--	.07	2.7	0	--
JAN 22, 75	1155	2	.3	--	.40	.33	.01	--	.08	1.1	--	--
			5.8	--	.30	.55	.01	--	.12	1.6	--	--
MAY 21, 75	1520	2	.3	--	.53	.15	.00	--	.12	.9	--	--
			6.1	--	.28	.68	.00	--	.22	2.3	--	--
						LINE 903						
OCT 10, 74	0940	30	.3	.2	.00	.01	.00	--	.05	.8	5	3.3
			12.2	.3	.00	.02	.00	--	.04	.6	0	--

TABLE 2C--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (LAB)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
						LINE 20						
OCT 10, 74	1150	2	.3	551	49.0	9.2	43	4.4	141	53	68	306
			3.7	552	53.0	28.0	200	10.0	145	54	76	502
JAN 22, 75	1315	2	.3	672	61.0	11.0	58	4.0	172	57	89	374
			3.0	--	--	--	--	4.0	--	--	--	--
			4.6	677	60.0	11.0	58	--	174	57	89	374
MAY 21, 75	1630	2	.3	394	45.0	8.2	39	4.6	129	39	60	269
			5.5	393	44.0	8.2	39	4.1	126	39	60	266
						LINE 90						
OCT 10, 74	1235	2	.3	616	--	--	--	--	--	--	--	--
			6.4	1130	--	--	--	--	--	--	--	--
JAN 22, 75	1345	2	.3	686	--	--	--	--	--	--	--	--
			7.0	685	--	--	--	--	--	--	--	--
MAY 21, 75	1815	2	.3	387	--	--	--	--	--	--	--	--
			5.5	392	--	--	--	--	--	--	--	--
						LINE 110						
OCT 10, 74	1130	2	.3	5680	87.0	110.0	1000	45.0	142	270	1700	3290
			4.0	27100	310.0	940.0	5800	210.0	152	1400	11000	19700
JAN 22, 75	1245	2	.3	4350	92.0	98.0	1000	37.0	172	250	1700	3270
			4.3	18500	160.0	290.0	3100	110.0	177	740	5400	9890
MAY 21, 75	1545	2	.3	3400	61.0	55.0	600	20.0	122	150	960	1920
			4.0	28200	--	--	--	--	--	--	--	--
						LINE 138						
OCT 10, 74	1050	2	.3	8690	--	--	--	--	--	--	--	--
			6.4	27000	--	--	--	--	--	--	--	--
JAN 22, 75	1155	2	.3	6800	--	--	--	--	--	--	--	--
			5.8	9770	--	--	--	--	--	--	--	--
MAY 21, 75	1520	2	.3	5310	--	--	--	--	--	--	--	--
			6.1	14500	--	--	--	--	--	--	--	--
						LINE 903						
OCT 10, 74	0940	30	.3	40000	310.0	940.0	8300	310.0	143	2200	14000	26100
			12.2	46400	370.0	970.0	9700	380.0	146	2400	17000	30900

TABLE 20--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED ALUMI-NUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	BOTTOM DEPOSIT ARSENIC (AS) (UG/GM)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	BOTTOM DEPOSIT CADMIUM (CD) (UG/GM)	DIS-SOLVED FLUORIDE (F) (MG/L)
						LINE 20					
OCT 10, 74	1150	2	.3	--	--	5	--	--	0	--	--
			3.7	--	--	--	3	--	--	< 10.00	--
JAN 22, 75	1315	2	.3	--	--	--	--	--	--	--	.2
			3.0	--	--	--	--	--	--	--	.2
MAY 21, 75	1630	2	.3	--	--	--	--	--	--	--	.3
			5.5	--	--	--	--	--	--	--	.4
						LINE 110					
OCT 10, 74	1130	2	.3	10	3	4	--	1	0	--	--
			4.0	10	1	--	1	2	--	< 10.00	--
JAN 22, 75	1245	2	.3	--	--	--	--	--	--	--	.4
			4.3	--	--	--	--	--	--	--	.6
MAY 21, 75	1545	2	.3	--	--	--	--	--	--	--	.4
						LINE 903					
OCT 10, 74	0940	30	.3	20	1	--	--	1	--	--	--
			12.2	10	1	--	--	1	--	--	--

TABLE 20--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	BOTTOM DEPOSIT COBALT (CO) (UG/GM)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	BOTTOM DEPOSIT COPPER (CU) (UG/GM)
						LINE 20					
OCT 10, 74	1150	2	.3	--	.00	--	3	--	--	11.0	--
			3.7	--	--	--	--	10.00	--	--	< 10.00
						LINE 110					
OCT 10, 74	1130	2	.3	1.00	10.00	0	3	--	5	6.0	--
			4.0	8.00	--	0	--	10.00	22	--	< 10.00
						LINE 903					
OCT 10, 74	0940	30	.3	.00	--	0	--	--	8	--	--
			12.2	1.00	--	0	--	--	6	--	--

TABLE 20--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED CYANIDE (CN) (MG/L)	BOTTOM DEPOSIT CYANIDE (CN) (UG/GM)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	BOTTOM DEPOSIT IRON (FE) (UG/GM)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	BOTTOM DEPOSIT LEAD (PB) (UG/GM)
						LINE 20					
OCT 10, 74	1150	2	.3	--	--	--	6100	--	--	11	--
			3.7	--	.0	--	--	--	--	--	< 10.00
						LINE 110					
OCT 10, 74	1130	2	.3	--	--	10	300	--	0	7	--
			4.0	--	.0	80	--	--	4	--	< 10.00
						LINE 903					
OCT 10, 74	0940	30	.3	--	--	170	--	--	2	--	--
			12.2	--	--	140	--	--	1	--	--

TABLE 2E--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL ALDRIN (UG/L)	BOTTOM DEPOSIT ALDRIN (UG/KG)	TOTAL CHLORDANE (UG/L)	BOTTOM DEPOSIT CHLORDANE (UG/KG)	TOTAL DDD (UG/L)	BOTTOM DEPOSIT DDD (UG/KG)	TOTAL DDE (UG/L)	BOTTOM DEPOSIT DDE (UG/KG)
						LINE 20					
OCT 10, 74	1150	2	.3	.00	--	.0	--	.00	--	.00	--
			3.7	--	.0	--	.0	--	.1	--	1.0
						LINE 110					
OCT 10, 74	1130	2	.3	.00	--	.0	--	.00	--	.00	--
			4.0	--	.0	--	.0	--	.0	--	4.4

TABLE 2E--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL DDT (UG/L)	BOTTOM DEPOSIT DDT (UG/KG)	TOTAL DIEL-DRIN (UG/L)	BOTTOM DEPOSIT DIEL-DRIN (UG/KG)	TOTAL ENDRIN (UG/L)	BOTTOM DEPOSIT ENDRIN (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	BOTTOM DEPOSIT HEPTA-CHLOR (UG/KG)
						LINE 20					
OCT 10, 74	1150	2	.3	.00	--	.00	--	.00	--	.00	--
			3.7	--	.0	--	.0	--	.0	--	.0
						LINE 110					
OCT 10, 74	1130	2	.3	.00	--	.00	--	.00	--	.00	--
			4.0	--	.0	--	.1	--	.0	--	.0

TABLE 2E--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	BOTTOM DEPOSIT HEPTA-CHLOR EPOXIDE (UG/KG)	TOTAL LINDANE (UG/L)	BOTTOM DEPOSIT LINDANE (UG/KG)	TOTAL PARA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL DIAZ-INON (UG/L)
						LINE 20					
OCT 10, 74	1150	2	.3	.00	--	.00	--	.00	.00	.00	.00
			3.7	--	.0	--	.0	--	--	--	--
						LINE 110					
OCT 10, 74	1130	2	.3	.00	--	.00	--	.00	.00	.00	.00
			4.0	--	.0	--	.0	--	--	--	--

TABLE 2E--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL PCB (UG/L)	BOTTOM DEPOSIT PCB (UG/KG)	TOTAL 2,4-D (UG/L)	BOTTOM DEPOSIT 2,4-D (UG/KG)	TOTAL 2,4,5-T (UG/L)	BOTTOM DEPOSIT 2,4,5-T (UG/KG)	TOTAL SILVEX (UG/L)	BOTTOM DEPOSIT SILVEX (UG/KG)
						LINE 20					
OCT 10, 74	1150	2	.3	.0	--	.00	--	.00	--	.00	--
			3.7	--	.0	--	--	--	--	--	--
						LINE 110					
OCT 10, 74	1130	2	.3	.0	--	.00	--	.00	--	.00	--
			4.0	--	47.0	--	--	--	--	--	--

TABLE 2E--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL TOXAPHENE (UG/L)	BOTTOM DEPOSIT TOXAPHENE (UG/KG)	TOTAL ETHION (UG/L)	BOTTOM DEPOSIT ETHION (UG/KG)	TOTAL METHYL TRITHION (UG/L)	BOTTOM DEPOSIT METHYL TRITHION (UG/KG)	TOTAL TRITHION (UG/L)	BOTTOM DEPOSIT TRITHION (UG/KG)
						LINE 20					
OCT 10, 74	1150	2	.3	.0	--	--	--	--	--	--	--
			3.7	--	0.	--	--	--	--	--	--
						LINE 110					
OCT 10, 74	1130	2	.3	.0	--	--	--	--	--	--	--
			4.0	--	0.	--	--	--	--	--	--

TABLE 2F--QUALITY OF WATER IN THE BRAZOS ESTUARY,

1975 WATER YEAR

BACTERIOLOGICAL AND CHLOROPHYLL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	CHLOROPHYLL A (UG/L)
				LINE 20			
OCT 10, 74	1150	2	.3	--	380	74	--
MAY 21, 75	1630	2	.3	--	*	100	--
				LINE 90			
OCT 10, 74	1235	2	.3	--	320	66	6.90
MAY 21, 75	1815	2	.3	--	530	120	.60
				LINE 110			
OCT 10, 74	1130	2	.3	--	*	24	5.00
MAY 21, 75	1545	2	.3	--	150	40	.10
				LINE 138			
OCT 10, 74	1050	2	.3	--	0	24	7.80
MAY 21, 75	1520	2	.3	280	76	82	.10
				LINE 903			
OCT 10, 74	0940	30	.3	8	3	0	--

* - TOO NUMEROUS TO COUNT

East Matagorda Estuary

The East Matagorda estuary covers an area of about 56 square miles (145 km^2) and consists of East Matagorda Bay, part of the Intracoastal Waterway, the tidal reaches of Caney Creek and Live Oak Bayou, and the tidal part of small tributaries (Figure 4). The maximum water depth at mlw is 5 feet (1.5 m) in East Matagorda Bay and about 15 feet (4.6 m) in the Intracoastal Waterway.

Water-quality data (Table 3) were collected during October 1974 and January and May 1975.

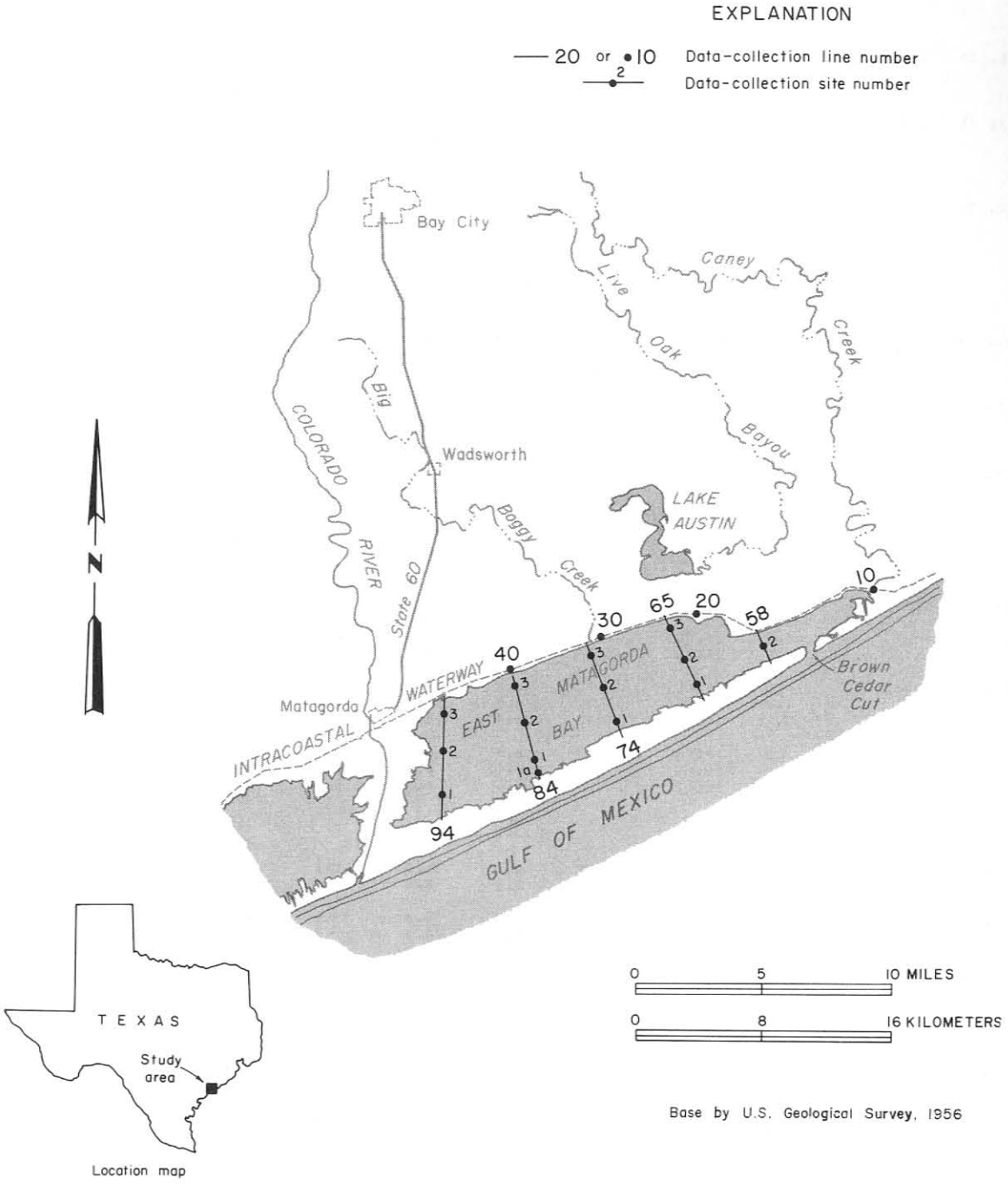

Figure 4.—Data-Collection Sites in the East Matagorda Estuary

TABLE 3A--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 10					
OCT 11, 74	1145	2	.3	24000	25.6	8.0	10.8	140	20.	43
			1.5	26000	25.5	8.1	10.3	136	20.	--
			4.3	26000	25.4	8.1	10.3	136	50.	--
JAN 23, 75	1310	2	.3	26000	14.0	8.3	8.5	89	--	29
			1.5	26000	14.0	8.3	8.5	89	--	--
			3.0	26000	14.0	8.3	8.4	88	--	--
			4.6	26000	14.0	8.3	8.4	88	--	--
MAY 22, 75	1420	2	.3	23000	28.3	8.1	7.1	97	--	21
			1.5	25000	28.0	8.1	6.4	89	--	--
			3.0	25000	28.0	8.1	6.4	89	--	--
			4.6	25000	28.0	8.1	6.4	89	--	--
					LINE 20					
OCT 11, 74	1210	2	.3	26000	25.9	8.0	7.9	105	20.	58
			1.5	26000	25.6	8.0	7.6	100	40.	--
			4.0	26000	25.6	8.0	7.9	104	30.	--
JAN 23, 75	1350	2	.3	22000	14.7	8.3	7.6	80	--	43
			1.8	24000	14.7	8.3	7.4	78	--	--
			3.7	24000	14.7	8.3	7.6	80	--	--
MAY 22, 75	1450	2	.3	24000	28.0	8.2	7.4	101	--	21
			1.5	24000	28.0	8.2	7.2	99	--	--
			3.0	25000	28.0	8.2	7.0	97	--	--
			4.3	25000	28.0	8.2	6.9	96	--	--
					LINE 40					
OCT 11, 74	1230	2	.3	19000	25.8	8.1	8.7	113	10.	53
			1.5	20000	25.7	8.1	8.0	104	10.	--
			3.0	23000	25.5	8.1	7.8	101	20.	--
			4.9	26000	25.2	8.1	7.9	103	65.	--
JAN 23, 75	1410	2	.3	14000	14.0	8.4	8.2	82	--	32
			1.8	18000	14.1	8.4	8.2	84	--	--
			3.7	19000	14.1	8.4	8.7	89	--	--
MAY 22, 75	1700	2	.3	19000	28.0	8.0	8.0	108	--	28
			1.8	20000	28.0	8.1	8.8	121	--	--
			3.7	20000	28.0	8.1	8.8	121	--	--
					LINE 58					
OCT 11, 74	1050	2	.3	33000	24.7	8.1	8.2	111	50.	43
			1.2	33000	24.8	8.1	8.6	116	80.	--
JAN 23, 75	1230	2	.3	30000	13.9	8.2	8.4	91	--	39
			.9	30000	13.9	8.2	8.7	95	--	--
MAY 22, 75	1510	2	.3	24000	28.1	8.0	7.0	96	--	20
			1.1	24000	28.2	8.1	7.2	99	--	--
					LINE 74					
OCT 11, 74	1000	1	.3	30000	24.7	8.1	7.1	95	10.	71
			1.2	30000	24.7	8.1	7.2	97	10.	--
JAN 23, 75	1145	1	.3	22000	13.1	8.3	9.3	95	--	64
			.9	22000	13.1	8.3	9.7	99	--	--

TABLE 3A--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEG. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)	
					LINE 74 CONTINUED						
MAY 22, 75	1530	1	.3	27000	28.2	8.2	7.5	106	--	25	
			1.1	27000	28.1	8.2	7.8	110	--	--	
OCT 11, 74	1005	2	.3	30000	24.8	8.1	7.7	103	15.	71	
			1.5	30000	24.8	8.1	7.7	103	15.	--	
JAN 23, 75	1155	2	.3	22000	13.1	8.3	9.0	92	--	36	
			1.2	22000	13.2	8.3	9.3	95	--	--	
MAY 22, 75	1540	2	.3	27000	28.2	8.2	8.5	120	--	23	
			.9	27000	28.2	8.1	7.5	106	--	--	
			1.4	27000	28.2	8.1	7.5	106	--	--	
OCT 11, 74	1010	3	.3	28000	25.0	8.2	7.8	103	50.	41	
			1.2	28000	25.0	8.2	7.8	103	50.	--	
JAN 23, 75	1205	3	.3	20000	13.2	8.3	8.9	90	--	60	
			1.2	21000	13.2	8.3	8.5	86	--	--	
MAY 22, 75	1550	3	.3	27000	28.0	8.1	8.4	118	--	14	
			1.2	27000	28.0	8.1	7.9	111	--	--	
					LINE 94						
OCT 11, 74	0925	1	.3	31000	24.7	8.0	6.5	87	10.	79	
			1.2	31000	24.6	8.0	7.0	93	10.	--	
JAN 23, 75	1115	1	.3	22000	12.9	8.2	9.1	93	--	31	
			1.2	22000	13.0	8.1	8.9	91	--	--	
MAY 22, 75	1650	1	.3	28000	28.0	8.1	7.2	101	--	30	
			1.2	28000	28.4	8.1	7.4	104	--	--	
OCT 11, 74	0910	2	.3	29000	24.9	8.0	7.2	95	20.	41	
			1.2	29000	24.8	8.0	7.2	95	30.	--	
JAN 23, 75	1105	2	.3	20000	13.1	8.2	9.1	92	--	28	
			1.2	20000	13.0	8.2	9.3	94	--	--	
MAY 22, 75	1640	2	.3	27000	28.3	8.0	9.4	132	--	24	
			1.1	27000	28.3	8.0	10.0	141	--	--	
OCT 11, 74	0905	3	.3	28000	24.7	8.1	7.2	95	65.	26	
			.9	28000	24.6	8.0	7.2	95	70.	--	
JAN 23, 75	1050	3	.3	16000	13.0	8.3	9.3	93	--	32	
			.9	19000	12.9	8.2	9.4	94	--	--	
MAY 22, 75	1625	3	.3	21000	29.0	8.2	10.4	144	--	17	
			.8	20000	28.9	8.3	10.9	151	--	--	

TABLE 38--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR

NUTRIENT AND OTHER ENVIRONMENTAL CHARACTERISTICS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED PHOS-PHORUS ORTHO (P) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (BOD) (MG/L)	PHENOLS (UG/L)	TOTAL ORGANIC CARBON (MG/L)
						LINE 10						
OCT 11, 74	1145	2	.3	6.8	.00	.01	.00	--	.09	1.7	4	--
			4.3	--	.00	.03	.01	--	.12	1.5	0	--
JAN 23, 75	1310	2	.3	3.4	.12	.15	.00	--	.09	1.6	--	--
			4.6	3.4	.10	.12	.00	--	.09	1.5	--	--
MAY 22, 75	1420	2	.3	3.6	.00	.07	.02	--	.08	1.1	0	7.0
			4.6	3.2	.19	.13	.02	--	.11	--	0	6.3
						LINE 40						
OCT 11, 74	1230	2	.3	--	.01	.00	.00	--	.06	1.9	0	--
			4.9	--	.01	.01	.00	--	.01	1.3	1	--
JAN 23, 75	1410	2	.3	--	.22	.00	.01	--	.08	1.1	--	--
			3.7	--	.06	.01	.00	--	.07	1.2	--	--
MAY 22, 75	1700	2	.3	--	.17	.02	.03	--	.14	1.8	1	11.0
			3.7	--	.08	.03	.02	--	.14	2.0	0	11.0
						LINE 58						
OCT 11, 74	1050	2	.3	--	.00	.00	.00	--	.09	1.0	1	--
			1.2	--	.01	.00	.00	--	.10	1.9	0	--
JAN 23, 75	1230	2	.3	--	.03	.04	.00	--	.07	1.5	--	--
			.9	--	.04	.05	.00	--	.07	1.4	--	--
MAY 22, 75	1510	2	.3	--	.12	.09	.03	--	.16	1.7	2	11.0
			1.1	--	.03	.10	.03	--	.14	1.6	2	11.0
						LINE 74						
OCT 11, 74	1010	3	.3	--	.00	.00	.00	--	.08	1.1	0	--
			1.2	--	.00	.00	.00	--	.08	.8	1	--
JAN 23, 75	1205	3	.3	--	.07	.01	.01	--	.06	1.3	--	--
			1.2	--	.06	.00	.00	--	.06	4.2	--	--
MAY 22, 75	1550	3	.3	--	.00	.01	.01	--	.16	1.7	0	8.2
			1.2	--	.00	.02	.02	--	.15	1.8	0	12.0
						LINE 94						
OCT 11, 74	0925	1	.3	.0	.01	.01	.00	--	.06	.4	2	--
			1.2	4.8	.00	.01	.00	--	.06	.5	1	--
JAN 23, 75	1115	1	.3	1.8	.01	.01	.00	--	.06	1.0	--	--
			1.2	1.8	.00	.01	.00	--	.06	1.1	--	--
MAY 22, 75	1650	1	.3	3.3	.00	.03	.02	--	.08	1.5	1	7.9
			1.2	3.6	.00	.03	.02	--	.07	1.9	1	10.0

TABLE 3C--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR

CHEMICAL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (LAB)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
						LINE 10						
OCT 11, 74	1145	2	.3	24200	210.0	590.0	5000	190.0	160	1300	8700	16100
			4.3	25300	--	--	--	--	--	--	--	--
JAN 23, 75	1310	2	.3	25400	200.0	600.0	4900	200.0	152	1200	8800	16000
			4.6	25700	210.0	600.0	5200	200.0	154	1300	9000	16600
MAY 22, 75	1420	2	.3	23200	190.0	570.0	4400	160.0	150	1000	7800	14200
			4.6	25100	210.0	590.0	4900	180.0	136	1100	8700	15800
						LINE 40						
OCT 11, 74	1230	2	.3	18100	--	--	--	--	--	--	--	--
			4.9	24700	--	--	--	--	--	--	--	--
JAN 23, 75	1410	2	.3	12200	--	--	--	--	--	--	--	--
			3.7	28800	--	--	--	--	--	--	--	--
MAY 22, 75	1700	2	.3	18700	--	--	--	--	--	--	--	--
			3.7	20300	--	--	--	--	--	--	--	--
						LINE 58						
OCT 11, 74	1050	2	.3	34200	--	--	--	--	--	--	--	--
			1.2	34600	--	--	--	--	--	--	--	--
JAN 23, 75	1230	2	.3	28000	--	--	--	--	--	--	--	--
MAY 22, 75	1510	2	.3	24200	--	--	--	--	--	--	--	--
			1.1	23600	--	--	--	--	--	--	--	--
						LINE 74						
OCT 11, 74	1010	3	.3	26200	--	--	--	--	--	--	--	--
			1.2	26500	--	--	--	--	--	--	--	--
JAN 23, 75	1205	3	.3	20800	--	--	--	--	--	--	--	--
			1.2	20700	--	--	--	--	--	--	--	--
MAY 22, 75	1550	3	.3	27300	--	--	--	--	--	--	--	--
			1.2	27300	--	--	--	--	--	--	--	--
						LINE 94						
OCT 11, 74	0925	1	.3	29200	250.0	730.0	6300	250.0	168	1600	11000	20200
			1.2	29200	250.0	720.0	6000	190.0	164	1500	11000	19700
JAN 23, 75	1115	1	.3	23400	180.0	530.0	4400	180.0	149	1100	8200	14700
			1.2	23600	200.0	570.0	4800	190.0	150	1200	8900	15900
MAY 22, 75	1650	1	.3	27500	200.0	730.0	5500	220.0	165	1200	10000	17900
			1.2	28200	200.0	750.0	5600	220.0	172	1300	10000	18200

TABLE 3C--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY.

1975 WATER YEAR

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED ALUMI-NUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	BOTTOM DEPOSIT ARSENIC (AS) (UG/GM)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	BOTTOM DEPOSIT CADMIUM (CD) (UG/GM)	DIS-SOLVED FLUORIDE (F) (MG/L)
						LINE 10					
OCT 11, 74	1145	2	.3	20	1	3	--	1	0	--	--
			4.3	--	--	--	38	--	--	< 10.00	--
JAN 23, 75	1310	2	.3	--	--	--	--	--	--	--	.9
			4.6	--	--	--	--	--	--	--	.9
MAY 22, 75	1420	2	.3	--	--	--	--	--	--	--	.9
			4.6	--	--	--	--	--	--	--	.9
						LINE 58					
OCT 11, 74	1050	2	.3	10	0	3	--	0	1	--	--
			1.2	--	--	--	7	--	--	< 10.00	--
						LINE 74					
OCT 11, 74	1010	3	.3	0	2	--	--	0	--	--	--
			1.2	--	--	--	13	--	--	< 10.00	--
						LINE 94					
OCT 11, 74	0925	1	.3	10	2	2	--	1	0	--	--
			1.2	--	--	--	13	--	--	< 10.00	--
JAN 23, 75	1115	1	.3	--	--	--	--	--	--	--	.8
			1.2	--	--	--	--	--	--	--	.8
MAY 22, 75	1650	1	.3	--	--	--	--	--	--	--	1.0
			1.2	--	--	--	--	--	--	--	1.0

TABLE 3C--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	BOTTOM DEPOSIT COBALT (CO) (UG/GM)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	BOTTOM DEPOSIT COPPER (CU) (UG/GM)
						LINE 10					
OCT 11, 74	1145	2	.3	1.00	10.00	0	3	--	3	3.0	--
			4.3	--	--	--	--	< 10.00	--	--	< 10.00
						LINE 58					
OCT 11, 74	1050	2	.3	1.00	10.00	4	4	--	3	7.0	--
			1.2	--	--	--	--	< 10.00	--	--	< 10.00
						LINE 74					
OCT 11, 74	1010	3	.3	1.00	--	4	--	--	6	--	--
			1.2	--	--	--	--	< 10.00	--	--	< 10.00
						LINE 94					
OCT 11, 74	0925	1	.3	1.00	10.00	0	3	--	6	9.0	--
			1.2	--	--	--	--	< 10.00	--	--	< 10.00

TABLE 3D--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED CYANIDE (CN) (MG/L)	BOTTOM DEPOSIT CYANIDE (CN) (UG/GM)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	BOTTOM DEPOSIT IRON (FE) (UG/GM)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	BOTTOM DEPOSIT LEAD (PB) (UG/GM)
						LINE 10					
OCT 11, 74	1145	2	.3	--	--	90	370	--	1	5	--
			4.3	--	.0	--	--	--	--	--	< 10.00
						LINE 58					
OCT 11, 74	1050	2	.3	--	--	110	1600	--	7	5	--
			1.2	--	.0	--	--	--	--	--	< 10.00
						LINE 74					
OCT 11, 74	1010	3	.3	--	--	100	--	--	9	--	--
			1.2	--	.0	--	--	--	--	--	< 10.00
						LINE 94					
OCT 11, 74	0925	1	.3	--	--	80	230	--	2	3	--
			1.2	--	.0	--	--	--	--	--	< 10.00

TABLE 3C--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	BOTTOM DEPOSIT MANGANESE (MN) (UG/GM)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)	BOTTOM DEPOSIT MERCURY (HG) (UG/GM)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRONTIUM (SR) (UG/L)
						LINE 10						
OCT 11, 74	1145	2	.3	83	63	95	--	.0	.3	--	1	3100
			4.3	--	--	--	500	--	--	.1	--	--
						LINE 58						
OCT 11, 74	1050	2	.3	100	40	110	--	.3	.4	--	1	3000
			1.2	--	--	--	260	--	--	.1	--	--
						LINE 74						
OCT 11, 74	1010	3	.3	92	32	--	--	.2	--	--	2	3000
			1.2	--	--	--	280	--	--	.2	--	--
						LINE 94						
OCT 11, 74	0925	1	.3	100	60	100	--	.1	.5	--	4	3600
			1.2	--	--	--	380	--	--	.1	--	--

TABLE 3C--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	BOTTOM DEPOSIT ZINC (ZN) (UG/GM)
						LINE 10
OCT 11, 74	1145	2	.3	30	20	--
			4.3	--	--	20.00
						LINE 58
OCT 11, 74	1050	2	.3	30	30	--
			1.2	--	--	20.00
						LINE 74
OCT 11, 74	1010	3	.3	30	--	--
			1.2	--	--	20.00
						LINE 94
OCT 11, 74	0925	1	.3	60	50	--
			1.2	--	--	40.00

TABLE 3E--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL ALDRIN (UG/L)	BOTTOM DEPOSIT ALDRIN (UG/KG)	TOTAL CHLOR-DANE (UG/L)	BOTTOM DEPOSIT CHLOR-DANE (UG/KG)	TOTAL DDL (UG/L)	BOTTOM DEPOSIT DDD (UG/KG)	TOTAL DDE (UG/L)	BOTTOM DEPOSIT DDE (UG/KG)
						LINE 58					
OCT 11, 74	1050	2	.3	.00	--	.0	--	.00	--	.00	--
			1.2	--	.0	--	.0	--	.0	--	.7
						LINE 74					
OCT 11, 74	1010	3	.3	.00	--	.0	--	.00	--	.00	--
			1.2	--	.0	--	.0	--	.0	--	.0

TABLE 3E--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL DDT (UG/L)	BOTTOM DEPOSIT DDT (UG/KG)	TOTAL DIEL-DRIN (UG/L)	BOTTOM DEPOSIT DIEL-DRIN (UG/KG)	TOTAL ENDRIN (UG/L)	BOTTOM DEPOSIT ENDRIN (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	BOTTOM DEPOSIT HEPTA-CHLOR (UG/KG)
						LINE 58					
OCT 11, 74	1050	2	.3	.00	--	.00	--	.00	--	.00	--
			1.2	--	.0	--	.0	--	.0	--	.0
						LINE 74					
OCT 11, 74	1010	3	.3	.00	--	.00	--	.00	--	.00	--
			1.2	--	.0	--	.0	--	.0	--	.0

TABLE 3E--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	BOTTOM DEPOSIT HEPTA-CHLOR EPOXIDE (UG/KG)	TOTAL LINDANE (UG/L)	BOTTOM DEPOSIT LINDANE (UG/KG)	TOTAL PARA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL DIAZ-INON (UG/L)
						LINE 58					
OCT 11, 74	1050	2	.3	.00	--	.00	--	.00	.00	.00	.00
			1.2	--	.0	--	.0	--	--	--	--
						LINE 74					
OCT 11, 74	1010	3	.3	.00	--	.00	--	.00	.00	.00	.00
			1.2	--	.0	--	.0	--	--	--	--

TABLE 3E--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL PCB (UG/L)	BOTTOM DEPOSIT PCB (UG/KG)	TOTAL 2,4-D (UG/L)	BOTTOM DEPOSIT 2,4-D (UG/KG)	TOTAL 2,4,5-T (UG/L)	BOTTOM DEPOSIT 2,4,5-T (UG/KG)	TOTAL SILVEX (UG/L)	BOTTOM DEPOSIT SILVEX (UG/KG)
						LINE 58					
OCT 11, 74	1050	2	.3	.0	--	.00	--	.00	--	.00	--
			1.2	--	.0	--	--	--	--	--	--
						LINE 74					
OCT 11, 74	1010	3	.3	.0	--	.00	--	.00	--	.00	--
			1.2	--	.0	--	--	--	--	--	--

TABLE 3E--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL TOXAPHENE (UG/L)	BOTTOM DEPOSIT TOXAPHENE (UG/KG)	TOTAL ETHION (UG/L)	BOTTOM DEPOSIT ETHION (UG/KG)	TOTAL METHYL TRITHION (UG/L)	BOTTOM DEPOSIT METHYL TRITHION (UG/KG)	TOTAL TRITHION (UG/L)	BOTTOM DEPOSIT TRITHION (UG/KG)
						LINE 58					
OCT 11, 74	1050	2	.3	.0	--	--	--	--	--	--	--
			1.2	--	0.	--	--	--	--	--	--
						LINE 74					
OCT 11, 74	1010	3	.3	.0	--	--	--	--	--	--	--
			1.2	--	0.	--	--	--	--	--	--

TABLE 3F--QUALITY OF WATER IN THE EAST MATAGORDA ESTUARY,

1975 WATER YEAR

BACTERIOLOGICAL AND CHLOROPHYLL ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	CHLOROPHYLL A (UG/L)
						LINE 10	
OCT 11, 74	1145	2	.3	148	80	10	--
MAY 22, 75	1420	2	.3	--	12	10	1.40
						LINE 40	
OCT 11, 74	1230	2	.3	28	4	5	--
MAY 22, 75	1700	2	.3	120	52	66	2.60
						LINE 58	
OCT 11, 74	1050	2	.3	--	78	1	--
MAY 22, 75	1510	2	.3	--	6	46	.90
						LINE 74	
OCT 11, 74	1010	3	.3	--	86	12	--
MAY 22, 75	1550	3	.3	2	2	8	1.50
						LINE 94	
OCT 11, 74	0925	1	.3	24	8	4	--
MAY 22, 75	1650	1	.3	0	0	0	1.40