TABLE 7C--QUALITY OF WATER IN THE MISSION-ARANSAS 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 MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
						LINE 15						
OCT 17, 74	1110	2	.3	15500	110.0	360.0	2800	120.0	114	720	5100	9280
			1.2	15300	130.0	350.0	2800	120.0	114	780	5200	9450
JAN 29, 75	1150	2	.3	17100	140.0	380.0	3200	200.0	138	750	5600	10300
APR 16, 75	1300	2	.3	19500	150.0	380.0	3300	150.0	162	660	5800	10500
			1.5	19600	--	--	--	--	--	--	--	--
MAY 29, 75	1145	2	.3	21500	160.0	550.0	4400	170.0	157	690	8000	14300
AUG 27, 75	1350	2	.3	23900	230.0	540.0	4300	180.0	149	1000	7900	14200
						LINE 44						
OCT 17, 74	0925	2	.3	6200	--	--	--	--	--	--	--	--
			1.2	10000	--	--	--	--	--	--	--	--
JAN 29, 75	0945	2	.3	14700	--	--	--	--	--	--	--	--
APR 16, 75	1035	2	.3	19500	--	--	--	--	--	--	--	--
MAY 29, 75	1355	2	.3	19100	--	--	--	--	--	--	--	--
AUG 27, 75	1055	2	.3	21400	--	--	--	--	--	--	--	--
						LINE 54						
OCT 17, 74	1000	1	.3	11700	--	--	--	--	--	--	--	--
			2.1	12600	--	--	--	--	--	--	--	--
JAN 29, 75	1030	1	.3	17500	--	--	--	--	--	--	--	--
			2.1	17500	--	--	--	--	--	--	--	--
APR 16, 75	1110	1	.3	18600	--	--	--	--	--	--	--	--
			2.1	18600	--	--	--	--	--	--	--	--
MAY 29, 75	1315	1	.3	17600	--	--	--	--	--	--	--	--
			2.1	17600	--	--	--	--	--	--	--	--
AUG 27, 75	1125	1	.3	22700	--	--	--	--	--	--	--	--
OCT 17, 74	1030	3	.3	10200	--	--	--	--	--	--	--	--
			1.2	10600	--	--	--	--	--	--	--	--
JAN 29, 75	1135	3	.3	14000	--	--	--	--	--	--	--	--
			1.2	14000	--	--	--	--	--	--	--	--
APR 16, 75	1135	3	.3	16300	--	--	--	--	--	--	--	--
			1.5	18300	--	--	--	--	--	--	--	--
MAY 29, 75	1240	3	.3	19200	--	--	--	--	--	--	--	--
			1.5	19200	--	--	--	--	--	--	--	--
AUG 27, 75	1145	3	.3	24400	--	--	--	--	--	--	--	--
						LINE 89						
OCT 17, 74	1725	2	.3	10700	110.0	220.0	2000	85.0	139	490	3500	6490
JAN 29, 75	1440	2	.3	12200	110.0	250.0	2200	85.0	151	520	3800	7050
APR 16, 75	1445	2	.3	16300	160.0	350.0	3000	140.0	198	710	5300	9770
			1.2	16300	--	--	--	--	--	--	--	--

TABLE 7C--QUALITY OF WATER IN THE MISSION-ARANSAS 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 89 CONTINUED						
MAY 29, 75	0955	2	.3	17500	180.0	440.0	3300	130.0	186	860	6000	11000
AUG 27, 75	1445	2	.3	20200	230.0	470.0	3600	140.0	168	890	6400	11800
						LINE 104						
OCT 17, 74	1600	6	.3	18200	--	--	--	--	--	--	--	--
			2.0	23400	--	--	--	--	--	--	--	--
JAN 29, 75	1430	8	.3	20600	--	--	--	--	--	--	--	--
APR 16, 75	1200	8	.3	23200	--	--	--	--	--	--	--	--
			1.9	24200	--	--	--	--	--	--	--	--
MAY 28, 75	1305	8	.3	21500	--	--	--	--	--	--	--	--
AUG 27, 75	1045	8	.3	35900	280.0	800.0	7200	260.0	152	1700	13000	23300
						LINE 115						
OCT 17, 74	1500	5	.3	25500	160.0	610.0	--	200.0	155	1400	9000	16600
			1.4	26500	--	--	5100	--	--	--	--	--
JAN 29, 75	1615	5	.3	24000	180.0	550.0	4800	170.0	156	1100	8300	15200
APR 16, 75	1125	5	.3	26800	--	--	--	--	--	--	--	--
			.9	26600	--	--	--	--	--	--	--	--
MAY 28, 75	1230	5	.3	19400	190.0	490.0	4000	170.0	158	1000	7100	13000
AUG 27, 75	1540	5	.3	38600	340.0	920.0	8000	290.0	154	1800	14000	25400
			1.2	39000	--	--	--	--	--	--	--	--
						LINE 120						
OCT 17, 74	1345	1	.3	21200	--	--	--	--	--	--	--	--
			3.7	27300	--	--	--	--	--	--	--	--
JAN 29, 75	1630	1	.3	25600	--	--	--	--	--	--	--	--
			3.7	25600	--	--	--	--	--	--	--	--
APR 16, 75	1415	1	.5	22500	--	--	--	--	--	--	--	--
			3.7	22900	--	--	--	--	--	--	--	--
MAY 28, 75	1420	1	.3	23500	--	--	--	--	--	--	--	--
			3.0	23500	--	--	--	--	--	--	--	--
AUG 27, 75	1215	1	.3	40900	--	--	--	--	--	--	--	--
						LINE 133						
OCT 17, 74	1405	3	.3	24000	--	--	--	--	--	--	--	--
			1.2	24600	--	--	--	--	--	--	--	--
JAN 29, 75	1745	3	.3	20000	--	--	--	--	--	--	--	--
			1.7	20400	--	--	--	--	--	--	--	--
APR 16, 75	1450	3	.5	21700	--	--	--	--	--	--	--	--
			1.2	21600	--	--	--	--	--	--	--	--
MAY 28, 75	1455	3	.3	24400	--	--	--	--	--	--	--	--
			1.2	23600	--	--	--	--	--	--	--	--
AUG 27, 75	1325	3	.3	36600	--	--	--	--	--	--	--	--
			1.2	42600	--	--	--	--	--	--	--	--

TABLE 7C--QUALITY OF WATER IN THE MISSION-ARANSAS 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 141						
OCT 17, 74	1455	2	.3	24900	200.0	610.0	5000	200.0	146	1300	9000	16400
			2.4	25700	180.0	660.0	5100	210.0	142	1400	9600	17200
JAN 29, 75	1730	2	.5	32500	250.0	760.0	6000	220.0	156	1500	11000	19800
			2.9	36700	290.0	940.0	7100	280.0	153	1700	13000	23400
APR 10, 75	1520	2	.5	23300	200.0	520.0	4400	210.0	190	1100	7800	14300
			2.7	23400	200.0	520.0	4000	190.0	189	950	7200	13200
MAY 28, 75	1525	2	.3	28100	240.0	790.0	6000	250.0	158	1500	11000	19900
			2.4	28700	260.0	790.0	6000	250.0	157	1600	11000	20000
AUG 27, 75	1500	2	.3	47600	490.0	1200.0	9500	370.0	159	2300	17000	30900
			2.7	49300	--	--	--	--	--	--	--	--

TABLE 7D--QUALITY OF WATER IN THE MISSION-ARANSAS 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 17, 74	1110	2	.3	10	2	--	--	1	--	--	--
JAN 29, 75	1150	2	.3	--	--	--	--	--	--	--	.5
APR 16, 75	1300	2	.3	--	--	--	--	--	--	--	.7
MAY 29, 75	1145	2	.3	--	--	--	--	--	--	--	.9
AUG 27, 75	1350	2	.3	--	--	--	--	--	--	--	.9
						LINE 54					
OCT 17, 74	1000	1	.3	0	4	--	--	1	--	--	--
OCT 17, 74	1030	3	.3	20	5	7	--	1	0	--	--
						LINE 89					
OCT 17, 74	1725	2	.3	20	5	6	--	0	0	--	--
JAN 29, 75	1440	2	.3	--	--	--	--	--	--	--	.6
APR 16, 75	1445	2	.3	--	--	--	--	--	--	--	.7
MAY 29, 75	0955	2	.3	--	--	--	--	--	--	--	.7
AUG 27, 75	1445	2	.3	--	--	--	--	--	--	--	.8
						LINE 104					
OCT 17, 74	1600	8	.3	0	4	4	--	0	0	--	--
AUG 27, 75	1045	8	.3	--	--	--	--	--	--	--	1.1
						LINE 115					
OCT 17, 74	1500	5	.3	30	2	--	--	0	--	--	--
JAN 29, 75	1615	5	.3	--	--	--	--	--	--	--	.8
MAY 28, 75	1230	5	.3	--	--	--	--	--	--	--	.8
AUG 27, 75	1540	5	.3	--	--	--	--	--	--	--	1.1
						LINE 120					
OCT 17, 74	1345	1	.3	0	4	--	--	1	--	--	--
						LINE 133					
OCT 17, 74	1405	3	.3	20	2	--	--	0	--	--	--
						LINE 141					
OCT 17, 74	1455	2	.3	0	2	3	--	1	0	--	--
JAN 29, 75	1700	2	.5	--	--	--	--	--	--	--	1.0
			2.9	--	--	--	--	--	--	--	.9
APR 16, 75	1520	2	.5	--	--	--	--	--	--	--	.9

TABLE 70--QUALITY OF WATER IN THE MISSION-ARANSAS ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

LINE 141 CONTINUED

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)
APR 16, 75	1520	2	2.7	--	--	--	--	--	--	--	.9
MAY 26, 75	1525	2	.3	--	--	--	--	--	--	--	1.0
			2.4	--	--	--	--	--	--	--	1.0
AUG 27, 75	1500	2	.3	--	--	--	--	--	--	--	1.4

TABLE 70--QUALITY OF WATER IN THE MISSION-ARANSAS 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 17, 74	1117	2	.3	58	55	--	--	.2	--	--	0	2200
						LINE 54						
OCT 17, 74	1000	1	.3	50	30	--	--	.2	--	--	0	1800
OCT 17, 74	1030	3	.3	42	30	33	--	.2	.4	--	0	1700
						LINE 89						
OCT 17, 74	1725	2	.3	42	33	60	--	.2	.5	--	0	1600
						LINE 104						
OCT 17, 74	1600	8	.3	67	40	35	--	.2	.4	--	0	2500
						LINE 115						
OCT 17, 74	1500	5	.3	92	70	--	--	.2	--	--	0	3200
						LINE 120						
OCT 17, 74	1345	1	.3	75	54	--	--	.2	--	--	0	2800
						LINE 133						
OCT 17, 74	1405	3	.3	83	60	--	--	.1	--	--	0	3100
						LINE 141						
OCT 17, 74	1455	2	.3	92	59	63	--	.3	.2	--	0	3100

TABLE 7D--QUALITY OF WATER IN THE MISSION-ARANSAS 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 17, 74	1110	2	.3	--	--	40	--	--	0	--	--
						LINE 54					
OCT 17, 74	1000	1	.3	--	--	10	--	--	0	--	--
OCT 17, 74	1030	3	.3	--	--	20	580	--	0	1	--
						LINE 89					
OCT 17, 74	1725	2	.3	--	--	40	400	--	2	0	--
						LINE 104					
OCT 17, 74	1600	8	.3	--	--	40	200	--	6	0	--
						LINE 115					
OCT 17, 74	1500	5	.3	--	--	70	--	--	2	--	--
						LINE 120					
OCT 17, 74	1345	1	.3	--	--	50	--	--	1	--	--
						LINE 133					
OCT 17, 74	1405	3	.3	--	--	60	--	--	0	--	--
						LINE 141					
OCT 17, 74	1455	2	.3	--	--	60	210	--	2	0	--

TABLE 70--QUALITY OF WATER IN THE MISSION-ARANSAS 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 17, 74	1110	2	.3	1.00	--	0	--	--	5	--	--
						LINE 54					
OCT 17, 74	1000	1	.3	.00	--	0	--	--	3	--	--
OCT 17, 74	1030	3	.3	1.00	< 10.00	0	0	--	3	4.0	--
						LINE 89					
OCT 17, 74	1725	2	.3	1.00	< 10.00	0	0	--	8	8.0	--
						LINE 104					
OCT 17, 74	1600	8	.3	1.00	< 10.00	0	0	--	6	8.0	--
						LINE 115					
OCT 17, 74	1500	5	.3	1.00	--	0	--	--	5	--	--
						LINE 120					
OCT 17, 74	1345	1	.3	1.00	--	0	--	--	5	--	--
						LINE 133					
OCT 17, 74	1405	3	.3	1.00	--	0	--	--	6	--	--
						LINE 141					
OCT 17, 74	1455	2	.3	3.00	10.00	0	0	--	8	5.0	--

TABLE 7b--QUALITY OF WATER IN THE MISSION-ARANSAS 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 17, 74	1110	2	.3	40	--	--
						LINE 54
OCT 17, 74	1000	1	.3	30	--	--
OCT 17, 74	1030	3	.3	30	20	--
						LINE 89
OCT 17, 74	1725	2	.3	20	20	--
						LINE 104
OCT 17, 74	1600	8	.3	30	30	--
						LINE 115
OCT 17, 74	1500	5	.3	30	--	--
						LINE 120
OCT 17, 74	1345	1	.3	30	--	--
						LINE 133
OCT 17, 74	1405	3	.3	40	--	--
						LINE 141
OCT 17, 74	1455	2	.3	50	30	--

TABLE 7E--QUALITY OF WATER IN THE MISSION-ARANSAS ESTUARY,

1975 WATER YEAR

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 17, 74	1110	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 44					
OCT 17, 74	0925	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 54					
OCT 17, 74	1000	1	.3	.0	--	.00	--	.00	--	.00	--
OCT 17, 74	1030	3	.3	.0	--	.00	--	.00	--	.00	--
						LINE 69					
OCT 17, 74	1725	2	.3	.0	--	.00	--	.00	--	.00	--
			1.5	--	.0	--	--	--	--	--	--
						LINE 104					
OCT 17, 74	1600	8	.3	.0	--	.00	--	.00	--	.00	--
			2.0	--	.0	--	--	--	--	--	--
						LINE 115					
OCT 17, 74	1500	5	.3	.0	--	.00	--	.00	--	.00	--
			1.4	--	.0	--	--	--	--	--	--
						LINE 120					
OCT 17, 74	1345	1	.3	.0	--	.00	--	.00	--	.00	--
						LINE 133					
OCT 17, 74	1405	3	.3	.0	--	.00	--	.00	--	.00	--
						LINE 141					
OCT 17, 74	1455	2	.3	.0	--	.00	--	.00	--	.00	--

TABLE 7E--QUALITY OF WATER IN THE MISSION-ARANSAS ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL TOXA-PHENE (UG/L)	BOTTOM DEPOSIT TOXA-PHENE (UG/KG)	TOTAL ETHION (UG/L)	BOTTOM DEPOSIT ETHION (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	BOTTOM DEPOSIT METHYL TRI-THION (UG/KG)	TOTAL TRI-THION (UG/L)	BOTTOM DEPOSIT TRI-THION (UG/KG)
						LINE 15					
OCT 17, 74	1110	2	.3	.0	--	--	--	--	--	--	--
						LINE 44					
OCT 17, 74	0925	2	.3	.0	--	--	--	--	--	--	--
						LINE 54					
OCT 17, 74	1000	1	.3	.0	--	--	--	--	--	--	--
OCT 17, 74	1030	3	.3	.0	--	--	--	--	--	--	--
						LINE 89					
OCT 17, 74	1725	2	.3	.0	--	--	--	--	--	--	--
			1.5	--	0.	--	--	--	--	--	--
						LINE 104					
OCT 17, 74	1600	8	.3	.0	--	--	--	--	--	--	--
			2.0	--	0.	--	--	--	--	--	--
						LINE 115					
OCT 17, 74	1500	5	.3	.0	--	--	--	--	--	--	--
			1.4	--	0.	--	--	--	--	--	--
						LINE 120					
OCT 17, 74	1345	1	.3	.0	--	--	--	--	--	--	--
						LINE 133					
OCT 17, 74	1405	3	.3	.0	--	--	--	--	--	--	--
						LINE 141					
OCT 17, 74	1455	2	.3	.0	--	--	--	--	--	--	--

TABLE 7E--QUALITY OF WATER IN THE MISSION-ARANSAS 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 17, 74	1110	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 44					
OCT 17, 74	0925	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 54					
OCT 17, 74	1000	1	.3	.00	--	.00	--	.00	.00	.00	.00
OCT 17, 74	1030	3	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 89					
OCT 17, 74	1725	2	.3	.00	--	.00	--	.00	.00	.00	.00
			1.5	--	.0	--	.0	--	--	--	--
						LINE 104					
OCT 17, 74	1600	8	.3	.00	--	.00	--	.00	.00	.00	.00
			2.0	--	.0	--	.0	--	--	--	--
						LINE 115					
OCT 17, 74	1500	5	.3	.00	--	.00	--	.00	.00	.00	.00
			1.4	--	.0	--	.0	--	--	--	--
						LINE 120					
OCT 17, 74	1345	1	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 133					
OCT 17, 74	1405	3	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 141					
OCT 17, 74	1455	2	.3	.00	--	.00	--	.00	.00	.00	.00

TABLE 7E--QUALITY OF WATER IN THE MISSION-ARANSAS ESTUARY,

1975 WATER YEAR--CONTINUED

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 15					
OCT 17, 74	1110	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 44					
OCT 17, 74	0925	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 54					
OCT 17, 74	1000	1	.3	.00	--	.0	--	.00	--	.00	--
OCT 17, 74	1030	3	.3	.00	--	.0	--	.00	--	.00	--
						LINE 89					
OCT 17, 74	1725	2	.3	.00	--	.0	--	.00	--	.00	--
			1.5	--	.0	--	.0	--	.0	--	.0
						LINE 104					
OCT 17, 74	1600	6	.3	.00	--	.0	--	.00	--	.00	--
			2.0	--	.0	--	.0	--	.0	--	.0
						LINE 115					
OCT 17, 74	1500	5	.3	.00	--	.0	--	.00	--	.00	--
			1.4	--	.0	--	.0	--	.0	--	.0
						LINE 120					
OCT 17, 74	1345	1	.3	.00	--	.0	--	.00	--	.00	--
						LINE 133					
OCT 17, 74	1405	3	.3	.00	--	.0	--	.00	--	.00	--
						LINE 141					
OCT 17, 74	1455	2	.3	.00	--	.0	--	.00	--	.00	--

TABLE 7E--QUALITY OF WATER IN THE MISSION-ARANSAS 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 DIELDRIN (UG/L)	BOTTOM DEPOSIT DIELDRIN (UG/KG)	TOTAL ENDRIN (UG/L)	BOTTOM DEPOSIT ENDRIN (UG/KG)	TOTAL HEPTACHLOR (UG/L)	BOTTOM DEPOSIT HEPTACHLOR (UG/KG)
						LINE 15					
OCT 17, 74	1110	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 44					
OCT 17, 74	0925	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 64					
OCT 17, 74	1000	1	.3	.00	--	.00	--	.00	--	.00	--
OCT 17, 74	1030	3	.3	.00	--	.00	--	.00	--	.00	--
						LINE 69					
OCT 17, 74	1725	2	.3	.00	--	.00	--	.00	--	.00	--
			1.5	--	.0	--	.0	--	.0	--	.0
						LINE 104					
OCT 17, 74	1600	8	.3	.00	--	.00	--	.00	--	.00	--
			2.0	--	.0	--	.0	--	.0	--	.0
						LINE 115					
OCT 17, 74	1500	5	.3	.00	--	.00	--	.00	--	.00	--
			1.4	--	.0	--	.0	--	.0	--	.0
						LINE 120					
OCT 17, 74	1345	1	.3	.00	--	.00	--	.00	--	.00	--
						LINE 133					
OCT 17, 74	1405	3	.3	.00	--	.00	--	.00	--	.00	--
						LINE 141					
OCT 17, 74	1455	2	.3	.00	--	.00	--	.00	--	.00	--

TABLE 7F--QUALITY OF WATER IN THE MISSION-ARANSAS 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 17, 74	1110	2	.3	6	0	0	--
JAN 29, 75	1150	2	.3	--	--	--	2.40
APR 16, 75	1300	2	.3	124	0	0	.50
MAY 29, 75	1145	2	.3	--	0	138	2.10
AUG 27, 75	1350	2	.3	2	0	2	.60
						LINE 44	
OCT 17, 74	0925	2	.3	--	50	36	--
JAN 29, 75	0945	2	.3	--	--	--	.70
APR 16, 75	1035	2	.3	100	0	16	.40
MAY 29, 75	1355	2	.3	--	0	54	1.50
AUG 27, 75	1055	2	.3	--	14	9	1.20
						LINE 54	
OCT 17, 74	1000	1	.3	6	0	3	--
JAN 29, 75	1030	1	.3	--	--	--	.90
APR 16, 75	1110	1	.3	88	2	7	--
MAY 29, 75	1315	1	.3	--	10	80	2.50
AUG 27, 75	1125	1	.3	2	0	0	.30
OCT 17, 74	1030	3	.3	12	0	4	--
JAN 29, 75	1105	3	.3	--	--	--	.30
APR 16, 75	1135	3	.3	30	0	12	.10
MAY 29, 75	1240	3	.3	--	0	520	.40
AUG 27, 75	1145	3	.3	--	6	13	.90
						LINE 69	
OCT 17, 74	1725	2	.3	8	0	0	--
JAN 29, 75	1440	2	.3	--	--	--	1.00
APR 16, 75	1445	2	.3	30	4	6	.30
MAY 29, 75	0955	2	.3	--	6	20	1.30
AUG 27, 75	1445	2	.3	0	0	6	3.60
						LINE 104	
OCT 17, 74	1600	8	.3	0	0	0	--
JAN 29, 75	1430	8	.3	--	--	--	.00
APR 16, 75	1200	8	.3	57	12	0	--

TABLE 7F--QUALITY OF WATER IN THE MISSION-ARANSAS 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 104 CONTINUED			
MAY 28, 75	1305	8	.3	--	0	22	1.10
AUG 27, 75	1045	8	.3	0	0	1	1.00
				LINE 115			
OCT 17, 74	1500	5	.3	1	1	0	--
JAN 29, 75	1615	5	.3	--	--	--	.20
APR 16, 75	1125	5	.3	0	0	0	.30
MAY 28, 75	1230	5	.3	--	0	12	2.30
AUG 27, 75	1540	5	.3	0	0	0	4.10
				LINE 120			
OCT 17, 74	1345	1	.3	1	0	0	--
JAN 29, 75	1630	1	.3	--	--	--	.00
APR 16, 75	1415	1	.5	4	0	0	.40
MAY 28, 75	1420	1	.3	6	0	4	2.10
AUG 27, 75	1215	1	.3	1	0	5	2.10
				LINE 133			
JAN 29, 75	1745	3	.3	--	--	--	.40
APR 16, 75	1450	3	.5	--	--	--	1.70
MAY 28, 75	1455	3	.3	--	0	106	1.60
AUG 27, 75	1325	3	.3	0	0	1	.30
				LINE 141			
OCT 17, 74	1455	2	.3	0	0	0	--
JAN 29, 75	1700	2	.5	--	--	--	.20
APR 16, 75	1520	2	.5	1	0	0	.20
MAY 28, 75	1525	2	.3	--	0	26	--
AUG 27, 75	1500	2	.3	11	7	3	4.20

Nueces Estuary

The Nueces estuary covers an area of about 200 square miles (518 km^2) and consists of the tidal parts of the Nueces River and other tributaries, Nueces Bay, Tule Lake Channel, Corpus Christi Bay, part of Redfish Bay, Corpus Christi Ship Channel, Aransas Pass, and parts of the Intracoastal Waterway (Figure 9). Water depth at mlw is less than 13 feet (4.0 m) in Corpus Christi Bay; less than 3 feet (0.9 m) in Nueces Bay; more than 40 feet (12.2 m) in Aransas Pass, Corpus Christi Ship Channel, and Tule Lake Channel; and about 15 feet (4.6 m) in the Intracoastal Waterway. A part of Redfish Bay is about 10 feet (3.0 m) deep, but about one-fourth of it is only 1 foot (0.3 m) deep (mlw).

Water-quality data (Table 8) were collected during October 1974 and January, April, June, and August 1975.

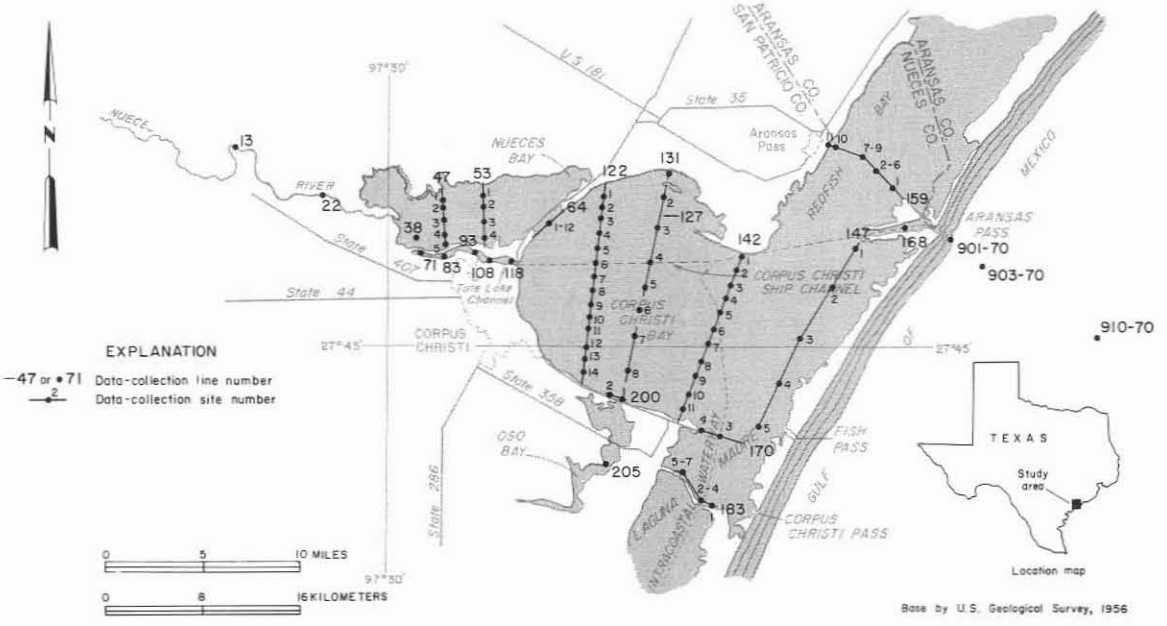

Figure 9.—Data-Collection Sites in the Nueces Estuary

TABLE 8A--QUALITY OF WATER IN THE NUECES ESTUARY,

1975 WATER YEAR

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCTANCE (MICROMHOS) (FIELD)	TEMPERATURE (DEC. C)	PH	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	TURBIDITY (JTU)	TRANSPARENCY SECCHI DISK (CM)
					LINE 22					
OCT 24, 74	1340	2	.3	27000	24.2	8.1	7.0	91	35.	47
			1.5	28000	24.1	8.1	6.7	87	40.	--
			2.1	50000	23.9	7.9	3.8	54	70.	--
JAN 30, 75	1220	2	.3	5000	21.7	8.3	8.2	93	--	39
			1.8	5700	21.7	8.2	7.7	89	--	--
APR 17, 75	1010	2	.3	4200	23.4	8.6	9.7	114	--	42
			.9	4200	23.4	8.6	9.8	115	--	--
			1.5	4200	23.4	8.6	9.5	112	--	--
			1.8	12000	23.3	8.4	5.5	65	--	--
AUG 26, 75	1100	2	.3	1700	28.2	8.2	6.5	82	20.	43
			2.1	1700	28.2	8.1	5.8	73	45.	--
					LINE 38					
OCT 24, 74	1355	2	.3	6900	24.4	8.5	12.4	149	50.	36
			.9	16000	23.4	8.1	8.4	102	--	--
			1.2	24000	23.3	8.0	5.6	70	50.	--
JAN 30, 75	1245	2	.3	11000	22.4	8.5	9.2	107	--	21
			.9	11000	22.4	8.4	9.1	106	--	--
APR 17, 75	1045	2	.3	20000	23.6	8.4	8.7	101	--	19
			.9	20000	23.5	8.4	8.6	100	--	--
AUG 26, 75	1110	2	.3	2500	28.0	8.4	9.1	117	60.	30
			1.2	2500	27.9	8.4	8.6	110	85.	--
					LINE 47					
OCT 24, 74	1305	2	.3	33000	23.9	8.1	7.9	105	20.	56
			1.2	33000	23.5	8.1	7.3	96	50.	--
AUG 26, 75	1040	2	.3	19000	27.0	8.2	6.2	82	60.	25
			1.2	20000	26.9	8.1	4.9	65	145.	--
					LINE 53					
OCT 24, 74	1245	2	.3	34000	24.0	8.1	6.5	87	20.	69
			1.5	40000	24.1	8.0	5.0	68	70.	--
JAN 30, 75	1115	2	.3	36000	21.4	8.1	7.3	95	--	25
			1.2	36000	21.4	8.1	8.1	105	--	--
APR 17, 75	0930	2	.3	43000	22.7	8.1	7.4	100	--	15
			1.2	43000	22.7	8.1	7.4	100	--	--
AUG 26, 75	1020	2	.3	33000	27.3	8.2	5.4	76	30.	43
			1.2	35000	27.2	8.3	5.4	76	70.	--
OCT 24, 74	1235	3	.3	38000	23.9	8.1	7.8	105	10.	--
			1.7	40000	23.7	8.0	6.7	92	110.	--
JAN 30, 75	1105	3	.3	38000	21.2	8.2	7.4	96	--	28
			1.2	36000	21.3	8.2	7.9	100	--	--
AUG 26, 75	1015	3	.3	36000	27.4	8.3	6.0	86	30.	44
			1.2	36000	27.2	8.3	5.9	83	35.	--
OCT 24, 74	1215	4	.3	40000	24.0	8.1	6.0	82	20.	58
			1.4	41000	24.4	8.0	5.5	75	110.	--

TABLE 8A--QUALITY OF WATER IN THE NUECES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS) (FIELD)	TEMPER-ATURE (DEG. C)	PH	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATUR-ATION	TUR-BIDITY (JTU)	TRANS-PARENCY SECCHI DISK (CM)
					LINE 53 CONTINUED					
JAN 30, 75	1040	4	.3	36000	21.0	8.2	7.6	97	--	48
			.9	36000	21.0	8.1	7.5	96	--	--
APR 17, 75	0915	4	.3	43000	22.8	8.1	6.8	93	--	26
			.9	43000	22.8	8.1	7.1	97	--	--
AUG 26, 75	1000	4	.3	37000	28.0	8.3	5.5	80	40.	37
			1.2	38000	28.2	8.2	3.4	50	145.	--
					LINE 64					
OCT 24, 74	1125	6	.3	45000	23.4	8.1	7.4	103	20.	61
			1.1	45000	23.3	8.1	7.4	103	15.	--
JAN 30, 75	1111	6	.3	38000	21.8	8.1	7.9	103	--	43
			1.5	38000	21.4	7.9	7.3	95	--	--
APR 17, 75	1125	6	.3	43000	23.1	8.1	7.7	105	--	30
			1.2	43000	23.1	8.1	7.7	105	--	--
			2.1	43000	23.2	8.1	7.5	103	--	--
JUN 05, 75	1140	6	.3	22000	28.0	--	7.4	101	--	42
			.9	22000	28.0	--	7.2	99	--	--
			2.1	22000	28.0	--	7.4	101	--	--
AUG 26, 75	1150	6	.3	44000	28.8	8.2	5.7	89	25.	51
			2.1	44000	28.5	8.2	3.7	57	70.	--
JAN 30, 75	1415	9	.3	36000	21.5	8.2	8.4	108	--	48
			1.5	36000	21.4	8.2	8.1	105	--	--
			3.0	36000	21.2	8.2	7.7	100	--	--
			5.2	36000	21.2	8.2	7.7	100	--	--
APR 17, 75	1135	9	.3	45000	23.1	8.2	7.3	100	--	30
			1.5	45000	23.1	8.2	7.3	100	--	--
			3.0	45000	23.0	8.2	7.3	100	--	--
			6.1	43000	23.0	8.2	7.1	97	--	--
JUN 05, 75	1150	9	.3	24000	28.0	--	6.4	86	--	43
			1.5	25000	28.0	--	6.5	90	--	--
			3.0	33000	28.0	--	4.1	59	--	--
			5.5	40000	28.0	--	2.6	36	--	--
AUG 26, 75	1200	9	.3	43000	29.0	8.2	5.8	89	15.	48
			3.0	45000	28.7	8.1	2.8	43	30.	--
			6.1	45000	28.9	8.1	1.6	25	150.	--
OCT 24, 74	1145	12	.3	44000	23.4	8.1	6.6	92	20.	72
			1.5	44000	23.2	8.0	5.1	70	25.	--
			3.0	45000	23.1	8.0	4.8	66	20.	--
			5.2	45000	23.2	8.1	5.3	73	65.	--
JAN 30, 75	1420	12	.3	36000	21.4	8.2	8.2	105	--	53
			1.5	38000	21.1	8.2	7.7	100	--	--
			3.0	38000	20.8	8.2	7.4	96	--	--
			4.6	38000	20.8	8.2	7.4	96	--	--
APR 17, 75	1150	12	.3	45000	23.3	8.1	7.0	96	--	29
			1.5	45000	23.2	8.1	6.9	95	--	--
			3.0	45000	23.2	8.1	6.9	95	--	--
			4.9	45000	23.2	8.1	6.8	93	--	--
JUN 05, 75	1210	12	.3	23000	28.0	--	6.5	89	--	36
			1.5	23000	27.9	--	6.2	85	--	--
			3.0	24000	27.6	--	5.8	78	--	--
			4.6	26000	27.6	--	5.5	75	--	--
AUG 26, 75	1217	12	.3	41000	28.9	8.2	6.0	91	25.	45

TABLE 8A--QUALITY OF WATER IN THE NUECES 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 64 CONTINUED						
AUG 28, 75	1210	12	2.4	43000	28.5	8.1	3.7	56	40.	--
			4.9	43000	28.5	8.1	2.6	39	140.	--
				LINE 71						
OCT 24, 74	1620	2	.3	44000	24.5	8.0	5.7	81	0.	186
			3.0	44000	24.5	8.0	5.6	80	0.	--
			6.1	44000	24.5	8.0	5.3	76	0.	--
			9.1	44000	24.4	7.9	4.7	66	0.	--
			10.7	44000	24.3	7.9	4.6	65	0.	--
			13.1	45000	24.3	7.7	.0	0	10.	--
JAN 30, 75	1500	2	.3	41000	19.5	8.1	7.2	90	--	131
			1.5	41000	19.4	8.1	7.1	89	--	--
			3.0	41000	19.4	8.1	7.1	89	--	--
			6.1	41000	19.2	8.1	6.7	84	--	--
			9.1	41000	19.1	8.1	6	81	--	--
			13.1	41000	18.7	7.9	5.0	65	--	--
APR 17, 75	1350	2	.3	43000	23.4	8.2	10.2	140	--	145
			3.0	43000	23.3	8.2	9.5	130	--	--
			6.1	43000	22.9	8.2	9.0	123	--	--
			9.1	43000	22.9	8.2	8.1	111	--	--
			12.2	43000	22.8	8.1	7.5	103	--	--
JUN 05, 75	1000	2	.3	41000	28.0	--	5.7	84	--	112
			3.0	41000	28.0	--	5.7	84	--	--
			6.1	41000	28.0	--	5.7	84	--	--
			9.1	41000	28.0	--	5.7	84	--	--
			12.2	41000	28.0	--	5.6	84	--	--
				LINE 83						
JAN 30, 75	1520	2	.3	41000	19.2	8.1	6.7	84	--	--
			3.0	41000	19.2	8.1	6.6	82	--	--
			6.1	41000	19.1	8.1	6.5	81	--	--
			9.1	41000	19.0	8.1	6.3	79	--	--
			12.2	41000	18.9	8.1	6.1	76	--	--
APR 17, 75	1425	2	.3	37000	23.4	8.1	8.4	111	--	164
			3.0	37000	23.1	8.1	8.3	109	--	--
			6.1	37000	22.8	8.1	7.7	101	--	--
			9.1	38000	22.6	8.1	7.6	101	--	--
			12.2	38000	22.6	8.1	6.8	89	--	--
JUN 05, 75	1015	2	.3	40000	28.0	--	6.5	96	--	110
			3.0	40000	28.0	--	6.1	90	--	--
			6.1	40000	28.0	--	5.7	84	--	--
			9.1	40000	27.9	--	4.3	63	--	--
			12.2	40000	27.9	--	2.9	43	--	--
				LINE 108						
OCT 24, 74	1550	2	.3	44000	24.2	8.0	6.0	85	5.	127
			3.0	44000	24.1	8.0	5.6	79	5.	--
			4.6	44000	23.9	8.0	4.5	63	--	--
			6.1	44000	23.8	7.9	3.6	51	5.	--
			9.1	44000	23.6	8.0	3.6	50	10.	--
			12.2	45000	23.4	8.0	3.7	51	45.	--
JAN 30, 75	1545	2	.3	41000	19.0	8.2	7.1	89	--	91
			1.5	41000	18.9	8.2	7.1	89	--	--
			3.0	41000	19.0	8.2	7.0	88	--	--
			6.1	41000	18.6	8.2	6.8	84	--	--
			9.1	41000	18.5	8.1	6.7	83	--	--
			12.2	41000	18.6	8.1	6.2	77	--	--

TABLE 8A--QUALITY OF WATER IN THE NUECES 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 108 CONTINUED						
APR 17, 75	1445	2	.3	42000	23.0	8.0	7.3	100	--	128
			3.0	42000	22.7	8.0	7.2	97	--	--
			6.1	43000	23.3	8.0	6.5	89	--	--
			9.1	43000	22.4	8.0	6.3	85	--	--
			12.2	42000	22.5	8.0	6.3	85	--	--
JUN 05, 75	1035	2	.3	38000	27.5	--	6.7	96	--	140
			3.0	40000	27.3	--	4.8	70	--	--
			6.1	43000	27.2	--	3.6	52	--	--
			10.4	41000	27.0	--	2.7	40	--	--
AUG 26, 75	1450	2	.3	46000	30.2	7.9	5.7	90	10.	119
			3.0	47000	30.2	7.6	3.1	50	5.	--
			6.1	47000	29.9	7.8	1.6	26	5.	--
			12.2	50000	29.9	7.9	1.2	19	20.	--
				LINE 118						
JAN 30, 75	1610	2	.3	41000	20.7	8.2	7.9	101	--	86
			3.0	41000	20.3	8.2	7.7	99	--	--
			6.1	41000	19.0	8.2	7.1	89	--	--
			12.2	41000	18.7	8.2	7.0	86	--	--
APR 17, 75	1505	2	.3	45000	22.6	8.0	7.3	100	--	--
			3.0	45000	22.4	8.0	7.0	95	--	--
			6.1	45000	22.4	8.0	6.5	88	--	--
			9.1	45000	22.7	8.1	6.8	93	--	--
			11.6	45000	22.7	7.9	6.8	93	--	--
JUN 05, 75	1050	2	.3	38000	27.8	--	6.6	96	--	130
			3.0	40000	27.8	--	5.1	75	--	--
			6.1	40000	27.5	--	4.8	71	--	--
			9.1	40000	27.4	--	5.8	84	--	--
			12.2	40000	27.0	--	2.8	41	--	--
AUG 26, 75	1515	2	.3	45000	29.9	8.0	5.9	94	10.	117
			3.0	46000	29.5	7.9	2.9	45	5.	--
			6.1	47000	29.5	7.9	2.1	33	10.	--
			12.2	50000	29.5	7.9	1.6	26	70.	--
				LINE 122						
OCT 24, 74	1100	2	.3	45000	23.6	8.1	7.3	101	10.	100
			1.5	45000	23.5	8.1	7.2	100	10.	--
			4.1	45000	23.4	8.1	6.5	90	130.	--
JAN 30, 75	1515	2	.5	41000	20.8	8.0	12.7	165	10.	72
			1.5	41000	20.9	8.0	14.3	186	20.	--
			3.2	41000	21.0	8.0	13.5	175	20.	--
JUN 05, 75	1015	2	.6	33000	27.0	8.4	7.2	101	--	--
			3.0	43000	27.0	8.3	4.2	62	80.	--
AUG 26, 75	1230	2	.3	46000	28.9	8.3	6.3	98	10.	79
			2.7	46000	28.7	8.2	4.4	69	40.	--
OCT 24, 74	1050	4	.3	45000	23.5	8.1	7.2	100	10.	100
			1.5	45000	23.4	8.1	7.2	100	10.	--
			4.3	46000	23.4	8.1	6.4	89	40.	--
AUG 26, 75	1245	4	.3	46000	28.9	8.2	6.1	95	25.	65
			3.0	46000	28.5	8.2	5.5	85	25.	--
			6.1	48000	28.9	8.1	3.6	56	50.	--
			10.7	50000	29.0	8.1	2.5	40	65.	--
OCT 24, 74	1030	6	.3	45000	23.3	8.1	7.3	101	15.	84
			1.5	45000	23.3	8.1	7.4	103	15.	--

TABLE 8A--QUALITY OF WATER IN THE NUECES 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 122 CONTINUED						
OCT 24, 74	1030	6	3.0	46000	23.3	8.1	7.2	100	10.	--
			6.1	46000	23.4	8.1	7.2	100	10.	--
			11.0	46000	23.4	8.1	7.2	100	45.	--
JAN 30, 75	1455	6	.5	42000	20.5	8.0	11.0	143	10.	92
			6.1	42000	20.4	8.0	11.5	149	15.	--
			12.2	41000	21.1	8.0	8.6	112	50.	--
JUN 05, 75	1000	6	.6	41000	27.0	8.4	6.9	101	25.	--
			6.1	42000	27.0	8.4	6.0	88	--	--
			12.2	43000	27.0	8.4	5.7	84	55.	--
AUG 26, 75	1300	6	.3	46000	29.0	8.1	5.6	86	10.	71
			4.0	46000	28.6	8.0	3.5	54	50.	--
OCT 24, 74	1010	8	.3	46000	22.3	8.1	7.3	99	15.	84
			1.5	46000	22.3	8.1	7.2	97	10.	--
			4.3	46000	22.2	8.1	6.8	92	60.	--
AUG 26, 75	1305	8	.3	46000	28.7	8.1	5.5	86	10.	66
			2.1	46000	28.7	8.1	4.5	70	30.	--
OCT 24, 74	1000	10	.3	46000	23.3	8.1	7.2	99	20.	82
			1.5	46000	23.3	8.1	7.1	97	20.	--
			3.0	46000	23.3	8.1	6.9	95	20.	--
			3.5	46000	23.2	8.1	5.8	79	30.	--
AUG 26, 75	1315	10	.5	46000	28.8	8.0	5.7	89	10.	81
			3.7	46000	28.6	8.0	4.5	69	60.	--
OCT 24, 74	0940	12	.3	44000	23.3	8.1	7.0	97	20.	94
			1.5	44000	23.2	8.1	6.8	93	25.	--
			3.8	44000	23.2	8.1	6.4	88	50.	--
JAN 30, 75	1440	12	.5	44000	21.0	8.1	11.9	159	10.	107
			1.5	44000	21.0	8.0	11.7	156	10.	--
			3.0	44000	22.0	8.0	7.7	104	10.	--
JUN 05, 75	0945	12	.6	42000	27.0	8.3	6.3	93	30.	--
			3.0	42000	27.0	8.3	5.7	84	30.	--
AUG 26, 75	1325	12	.3	46000	29.0	8.1	5.9	92	10.	88
			3.4	46000	28.9	8.1	5.3	83	50.	--
OCT 24, 74	0930	14	.3	44000	23.5	8.1	6.8	94	20.	91
			1.5	44000	23.5	8.1	6.7	93	20.	--
			3.0	44000	23.4	8.1	6.5	90	15.	--
			4.0	44000	23.4	8.1	6.4	89	50.	--
AUG 26, 75	1335	14	.3	46000	29.0	8.1	5.9	92	10.	89
			3.0	46000	28.9	8.1	5.3	83	50.	--
				LINE 127						
OCT 24, 74	0945	2	.3	44000	23.0	--	6.8	93	15.	114
			1.5	44000	23.0	--	6.8	93	20.	--
			3.0	44000	23.0	--	6.7	92	15.	--
			4.1	44000	23.0	--	5.8	79	50.	--
OCT 24, 74	0925	4	.3	46000	23.5	--	6.6	92	5.	134
			1.5	46000	23.0	--	6.8	93	5.	--
			3.0	46000	23.0	--	6.6	90	10.	--
			6.1	46000	23.0	--	6.6	90	15.	--
			9.1	46000	23.0	--	6.5	89	5.	--
			12.8	46000	23.0	--	6.4	88	5.	--
OCT 24, 74	0910	6	.3	46000	23.0	--	6.5	89	25.	74
			1.5	44000	23.0	--	6.5	89	35.	--

TABLE 8A--QUALITY OF WATER IN THE NUECES ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS) (FIELD)	TEMPER-ATURE (DEG. C)	PH	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATUR-ATION	TUR-BIDITY (JTU)	TRANS-PARENCY SECCHI DISK (CM)
					LINE 127 CONTINUED					
OCT 24, 74	0910	6	3.0	44000	23.0	--	6.4	88	50.	--
			4.6	44000	23.0	--	6.2	85	105.	--
OCT 24, 74	0840	8	.3	44000	23.0	--	6.4	88	25.	61
			1.5	44000	23.0	--	6.5	89	30.	--
			3.0	44000	23.0	--	6.6	90	15.	--
			4.3	44000	23.0	--	6.4	88	20.	--
					LINE 131					
OCT 24, 74	0955	2	.3	44000	23.0	--	7.1	97	0.	135
			1.5	44000	23.0	--	7.0	96	20.	--
			3.0	44000	23.0	--	6.9	95	30.	--
			6.1	44000	23.0	--	6.4	88	10.	--
			9.1	44000	23.0	--	5.2	71	10.	--
			12.5	45000	23.0	--	3.1	42	10.	--
JAN 30, 75	1535	2	.3	41000	20.3	8.2	12.0	154	10.	130
			6.1	43000	19.9	8.1	12.2	156	80.	--
			12.5	48000	20.9	7.9	6.7	91	10.	--
APR 17, 75	1400	2	.3	40000	24.5	--	8.3	115	25.	--
			12.2	47000	23.0	--	7.7	104	15.	--
JUN 05, 75	1045	2	.3	36000	27.0	8.3	6.9	97	25.	--
			6.1	43000	27.0	8.3	5.7	84	50.	--
			12.2	48000	26.5	8.3	4.7	69	50.	--
					LINE 142					
OCT 24, 74	1030	2	.3	46000	23.5	--	6.6	92	10.	160
			1.5	46000	23.0	--	6.6	90	10.	--
			3.4	46000	23.0	--	6.6	90	35.	--
JAN 30, 75	1400	2	.5	42000	20.9	8.0	9.2	121	10.	111
			1.5	42000	21.0	8.0	9.2	121	15.	--
			2.7	41000	22.0	8.0	7.7	101	20.	--
APR 17, 75	1330	2	.6	42000	22.8	--	8.4	115	30.	--
			3.7	42000	23.0	--	8.0	110	45.	--
AUG 26, 75	1325	2	.3	47000	29.0	8.3	7.3	114	10.	133
			1.5	47000	29.0	8.3	6.8	106	10.	--
			4.0	49000	28.7	8.2	4.4	70	30.	--
OCT 24, 74	1040	4	.3	47000	23.0	--	6.5	90	0.	124
			1.5	47000	23.0	--	6.6	92	20.	--
			3.7	47000	23.0	--	6.5	90	15.	--
			4.4	47000	23.0	--	6.3	86	150.	--
AUG 26, 75	1310	4	.3	49000	29.9	8.3	7.1	113	10.	179
			1.5	49000	29.8	8.3	6.9	110	10.	--
			4.0	49000	28.8	8.1	2.4	38	35.	--
OCT 24, 74	1050	6	.3	46000	23.0	--	6.6	90	5.	135
			1.5	46000	23.0	--	6.8	93	15.	--
			3.0	46000	23.0	--	6.7	92	15.	--
			4.6	46000	23.0	--	6.0	82	170.	--
APR 17, 75	1310	6	.5	42000	22.6	--	8.0	110	30.	74
			3.8	42000	23.0	--	7.9	108	60.	--
AUG 26, 75	1235	6	.3	47000	28.8	8.3	6.7	105	20.	110
			1.5	47000	28.8	8.3	6.3	98	15.	--
			4.7	47000	28.5	8.2	6.1	94	20.	--
OCT 24, 74	1105	8	.3	45000	23.0	--	7.0	96	10.	119

TABLE 8A--QUALITY OF WATER IN THE NUECES 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 142 CONTINUED					
OCT 24, 74	1105	8	1.5	46000	27.0	--	6.9	95	10.	--
			3.0	46000	23.0	--	6.6	90	5.	--
			4.3	46000	23.0	--	6.4	88	20.	--
JAN 30, 75	1335	8	.5	41000	20.5	7.9	5.7	73	0.	180
			1.5	41000	20.2	7.9	7.5	95	10.	--
			4.1	41000	20.6	7.9	6.6	86	30.	--
APR 17, 75	1305	8	.5	42000	23.5	--	7.9	110	10.	82
			3.7	42000	24.0	--	7.6	105	20.	--
AUG 26, 75	1245	8	.3	47000	28.6	8.3	7.2	113	5.	128
			1.5	47000	28.8	8.3	7.1	111	5.	--
			4.0	47000	28.7	8.3	6.5	102	10.	--
OCT 24, 74	1120	10	.3	44000	24.0	--	6.7	94	5.	119
			1.5	44000	23.5	--	6.6	92	10.	--
			3.0	45000	23.5	--	6.6	92	10.	--
			4.3	46000	23.5	--	6.1	85	30.	--
JAN 30, 75	1330	10	.3	36000	21.1	8.0	7.4	95	5.	150
			1.5	36000	21.6	8.0	7.4	95	10.	--
			4.0	36000	23.1	8.1	6.9	91	10.	--
APR 17, 75	1300	10	.5	42000	22.9	--	7.6	104	10.	--
			3.7	42000	23.0	--	7.5	103	10.	168
					LINE 147					
OCT 24, 74	1250	1	.3	44000	23.5	--	6.9	96	10.	124
			1.5	44000	23.5	--	6.8	94	15.	--
			2.9	45000	23.5	--	5.8	81	40.	--
JAN 30, 75	1040	1	.3	46000	19.5	8.0	6.5	83	10.	120
			1.5	46000	19.5	8.0	6.7	86	10.	--
			2.6	46000	19.9	8.1	6.5	84	15.	--
APR 17, 75	1015	1	.5	40000	21.6	--	7.1	93	30.	48
			2.1	40000	21.6	--	7.1	93	40.	--
OCT 24, 74	1240	2	.3	45000	23.0	--	6.8	93	10.	175
			1.5	46000	23.0	--	6.8	93	20.	--
			3.0	46000	23.0	--	6.4	88	20.	--
			4.1	46000	23.0	--	6.2	85	40.	--
JAN 30, 75	1055	2	.3	43000	19.5	8.0	7.0	89	10.	144
			1.5	43000	19.5	8.0	7.1	90	10.	--
			3.4	43000	19.9	8.0	6.5	83	10.	--
APR 17, 75	1035	2	.3	40000	21.9	--	7.2	95	15.	87
			2.4	40000	21.8	--	7.1	93	20.	--
AUG 26, 75	1000	2	.3	47000	28.2	8.4	7.4	112	5.	195
			1.5	47000	28.1	8.3	6.4	97	20.	--
			3.7	50000	28.8	8.0	.5	8	25.	--
OCT 24, 74	1231	3	.3	46000	23.5	--	6.6	92	10.	--
			1.5	46000	23.5	--	6.5	90	15.	--
			3.7	47000	23.0	--	5.5	76	35.	--
JAN 30, 75	1110	3	.3	41000	19.6	8.0	7.5	95	10.	153
			1.5	41000	19.6	8.0	7.4	94	10.	--
			3.0	41000	19.9	8.0	7.5	95	10.	--
APR 17, 75	1040	3	.5	42000	22.0	--	7.0	93	10.	85
			2.7	42000	22.0	--	6.8	91	10.	--
AUG 26, 75	1015	3	.3	47000	28.5	8.3	6.9	105	30.	126

TABLE 8A--QUALITY OF WATER IN THE NUECES 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 147 CONTINUED					
AUG 28, 75	1015	3	1.5	47000	28.5	8.3	6.5	98	25.	--
			3.4	47000	28.2	8.3	6.0	91	30.	--
OCT 24, 74	1210	4	.3	46000	23.5	--	6.8	94	10.	135
			1.5	46000	23.0	--	6.8	93	15.	--
			3.0	46000	23.0	--	6.3	86	10.	--
			4.1	46000	23.0	--	6.7	92	40.	--
JAN 30, 75	1130	4	.3	41000	19.9	8.0	7.5	95	10.	--
			1.5	41000	19.9	8.0	7.4	94	10.	--
			3.8	44000	20.2	8.1	6.9	90	10.	--
APR 17, 75	1055	4	.5	42000	22.0	--	7.6	101	0.	71
			3.7	42000	22.1	--	7.4	99	20.	--
AUG 28, 75	1030	4	.3	47000	28.6	8.3	6.8	105	5.	185
			1.5	47000	28.5	8.3	6.0	91	20.	--
			4.0	49000	29.0	8.2	3.4	54	20.	--
OCT 24, 74	1200	5	.3	46000	24.0	--	7.0	99	5.	140
			1.5	45000	23.5	--	7.0	97	15.	--
			2.9	45000	23.5	--	6.3	88	20.	--
JAN 30, 75	1145	5	.3	41000	19.9	8.0	7.7	97	10.	186
			1.5	41000	20.0	8.0	7.6	96	5.	--
			2.4	41000	20.4	8.1	7.6	97	10.	--
APR 17, 75	1105	5	.5	42000	23.2	--	7.7	103	10.	152
			2.4	42000	27.3	--	7.5	100	5.	--
					LINE 159					
OCT 24, 74	1540	8	.3	32000	24.0	--	8.8	116	10.	112
			1.5	32000	24.0	--	8.9	117	10.	--
			3.0	36000	24.0	--	7.6	101	5.	--
JUN 05, 75	1230	8	.3	42000	27.1	8.5	7.1	104	40.	--
			1.8	42000	27.0	8.4	6.8	100	40.	--
			3.7	42000	27.0	8.3	5.7	84	25.	--
OCT 24, 74	1600	10	.3	32000	24.0	--	8.3	109	0.	164
			1.5	33000	24.0	--	7.9	105	0.	--
			3.0	33000	24.0	--	8.6	115	5.	--
			4.6	36000	23.5	--	5.8	76	10.	--
JUN 05, 75	1245	10	.3	33000	27.2	8.4	7.2	101	30.	--
			2.1	36000	27.0	8.4	6.0	85	35.	--
			4.3	36000	27.0	8.4	5.8	82	50.	--
					LINE 168					
OCT 24, 74	1320	2	.3	44000	24.0	--	6.8	96	10.	102
			3.0	44000	24.0	--	6.8	96	15.	--
			6.1	44000	24.0	--	6.8	96	15.	--
			9.1	44000	23.5	--	6.6	92	30.	--
			14.3	46000	23.5	--	6.6	92	45.	--
JAN 30, 75	1020	2	.3	46000	18.7	8.0	6.9	87	10.	161
			3.0	46000	18.7	8.0	7.0	89	10.	--
			6.1	46000	18.7	8.0	6.9	87	15.	--
			14.6	46000	19.1	8.0	6.5	82	15.	--
APR 17, 75	0950	2	.3	40000	20.4	--	9.3	119	5.	127
			7.6	40000	20.4	--	9.4	121	5.	--
			15.2	40000	20.7	--	9.3	119	15.	--
JUN 05, 75	1200	2	.3	40000	27.0	8.3	4.8	70	20.	--

TABLE 8A--QUALITY OF WATER IN THE NUECES 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 168 CONTINUED					
JUN 05, 75	1200	2	3.7	42000	26.7	8.3	4.7	69	20.	--
			7.3	43000	26.6	8.3	4.3	63	10.	--
			14.6	43000	26.6	8.3	3.9	57	15.	--
					LINE 170					
OCT 24, 74	1145	3	.3	45000	23.5	--	6.8	94	15.	150
			1.5	45000	23.5	--	6.7	93	15.	--
			3.0	45000	23.5	--	6.6	92	20.	--
			5.2	46000	23.5	--	6.7	93	15.	--
JAN 30, 75	1310	3	.3	35000	22.5	8.1	7.5	97	10.	105
			1.5	35000	22.5	8.1	7.3	95	10.	--
			3.0	34000	23.0	8.0	7.0	91	15.	--
			4.7	36000	24.8	8.1	7.0	93	15.	--
APR 17, 75	1115	3	.3	42000	23.2	--	5.5	75	15.	85
			2.4	42000	23.1	--	5.4	74	15.	--
			4.9	42000	23.0	--	5.4	74	10.	--
AUG 28, 75	1205	3	.3	47000	28.9	8.3	6.7	105	20.	133
			1.5	49000	29.0	8.3	6.5	103	30.	--
			4.6	47000	29.2	8.3	6.5	102	25.	--
OCT 24, 74	1130	4	.3	46000	23.5	--	6.8	94	10.	156
			1.9	46000	23.5	--	6.8	94	10.	--
			2.7	46000	23.5	--	6.8	94	10.	--
JAN 30, 75	1320	4	.3	39000	22.9	7.9	5.7	76	15.	85
			1.5	39000	23.0	8.0	5.7	76	20.	--
			2.1	39000	23.1	8.0	5.8	77	20.	--
APR 17, 75	1245	4	.5	42000	24.1	--	5.7	79	25.	33
			1.5	42000	24.1	--	5.4	75	20.	--
AUG 28, 75	1225	4	.3	47000	29.0	8.3	7.0	109	20.	116
			2.1	47000	29.0	8.2	6.8	106	20.	--
					LINE 183					
JAN 30, 75	1200	3	.3	41000	21.7	8.0	5.0	66	10.	110
			1.5	41000	21.6	8.0	5.0	66	10.	--
			3.0	41000	21.5	8.0	5.0	66	10.	--
			5.2	41000	21.4	8.0	5.1	66	10.	--
APR 17, 75	1220	3	.3	44000	24.1	--	6.3	88	20.	120
			2.7	42000	24.1	--	6.3	86	25.	--
			5.5	42000	24.8	--	5.5	77	15.	--
AUG 28, 75	1145	3	.3	49000	28.8	8.3	5.9	94	5.	140
			1.5	50000	28.2	8.3	5.7	88	10.	--
			3.0	50000	28.2	8.3	5.3	82	5.	--
			5.6	50000	29.2	8.3	4.6	73	0.	--
					LINE 903					
OCT 24, 74	1445	70	.6	46000	24.0	--	6.9	97	5.	94
			3.0	46000	24.0	--	6.9	97	10.	--
			6.1	46000	24.0	--	6.6	93	20.	--
			9.1	46000	23.5	--	6.6	92	20.	--
			13.4	46000	24.0	--	6.8	96	60.	--
JAN 30, 75	0945	70	.5	46000	17.9	8.0	7.4	92	0.	456
			3.0	46000	17.8	8.0	7.4	92	0.	--
			6.1	46000	17.8	8.0	6.5	81	0.	--
			12.5	46000	19.0	8.0	6.0	76	25.	--

TABLE 8A--QUALITY OF WATER IN THE NUECES 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 903 CONTINUED						
AUG 26, 75	0900	70	.6	52000	28.6	8.2	7.0	111	20.	250
			3.0	52000	28.8	8.2	6.8	108	20.	--
			6.1	52000	28.7	8.2	6.9	110	20.	--
			9.1	52000	28.6	8.2	6.9	110	20.	--
			13.4	52000	28.7	8.2	6.9	110	20.	--

TABLE 8B--QUALITY OF WATER IN THE NUECES ESTUARY,

1975 WATER YEAR

NUTRIENT AND OTHER ENVIPONMENTAL 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 38						
OCT 24, 74	1355	2	.3	17.0	.01	.00	.01	--	.18	6.5	0	1.0
JAN 30, 75	1245	2	.3	13.0	.00	.03	.01	--	.14	3.2	0	8.9
APR 17, 75	1045	2	.3	12.0	.06	.46	.08	--	.25	4.9	5	8.1
AUG 28, 75	1110	2	.3	--	.02	.43	.01	--	.31	6.4	0	--
			1.2	--	.02	.40	.01	--	.31	7.0	1	--
						LINE 53						
OCT 24, 74	1245	2	.3	--	.00	.01	.00	--	.10	4.0	--	5.2
			1.5	--	.00	.00	.00	--	.14	3.6	--	--
JAN 30, 75	1115	2	.3	--	.01	.09	.00	--	.14	1.7	3	--
APR 17, 75	0930	2	.3	--	.09	.04	.02	--	.13	1.9	0	11.0
			1.2	--	.09	.03	.01	--	.18	1.9	0	14.0
AUG 28, 75	1020	2	.3	--	.03	.01	.00	--	.11	2.3	0	--
OCT 24, 74	1215	4	.3	--	.00	.00	.00	--	.09	2.8	0	5.4
			1.4	--	.02	.08	.01	--	.18	3.1	--	--
JAN 30, 75	1040	4	.3	--	.00	--	.01	--	--	1.8	3	9.1
APR 17, 75	0915	4	.3	--	.01	.04	.00	--	.14	1.7	0	6.8
			.9	--	.02	.01	.00	--	.13	1.7	0	6.1
AUG 28, 75	1000	4	.3	--	.00	.01	.00	--	.13	2.3	0	--
						LINE 71						
OCT 24, 74	1520	2	.3	--	.10	.13	.01	--	.14	3.3	0	7.3
			13.1	--	.00	.68	.00	--	.25	4.0	--	14.0
JAN 30, 75	1500	2	.3	--	.35	.53	.03	--	.19	2.4	1	7.8
			13.1	--	.26	.97	.02	--	.84	1.2	2	20.0
APR 17, 75	1350	2	.3	--	.08	.14	.04	--	.12	3.9	1	12.0
			12.2	--	.09	.26	.04	--	.12	4.4	0	9.4
JUN 05, 75	1000	2	.3	--	.14	.18	.03	--	.12	2.5	0	9.0
			12.2	--	.14	.25	.03	--	.16	3.2	0	8.2
						LINE 108						
OCT 24, 74	1550	2	.3	--	.10	.15	.00	--	.16	3.4	0	2.6
			12.2	--	.00	.12	.01	--	.11	2.1	--	--
JAN 30, 75	1545	2	.3	--	.09	.22	.01	--	.17	6.2	2	10.0
			12.2	--	.15	.25	.01	--	.15	3.5	2	12.0
APR 17, 75	1445	2	.3	--	.10	.19	.02	--	.16	1.6	0	6.4
			12.2	--	.01	.05	.01	--	.08	1.3	0	4.7
JUN 05, 75	1035	2	.3	--	.02	.08	.01	--	.10	1.4	0	7.0
			10.4	--	.09	.28	.04	--	.13	.9	0	6.0
AUG 28, 75	1450	2	.3	--	.05	.22	.00	--	.17	4.1	1	--
			12.2	--	.00	.15	.00	--	.08	1.5	1	--
						LINE 122						
OCT 24, 74	1100	2	.3	--	.00	.01	.00	--	.06	2.3	0	2.1

TABLE 8B--QUALITY OF WATER IN THE NUECES 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 122 CONTINUED						
OCT 24, 74	1100	2	4.1	--	.00	.02	.00	--	.29	3.6	0	3.9
JAN 30, 75	1515	2	.5	--	.00	.00	.00	--	.06	2.2	2	--
			3.2	--	.00	.01	.00	--	.07	2.0	2	--
JUN 05, 75	1015	2	.6	--	.00	.00	.01	--	.07	1.9	4	7.4
			3.0	--	.00	.00	.01	--	.10	1.7	0	5.6
AUG 28, 75	1230	2	.3	--	.00	.01	.00	--	.06	2.2	0	--
			2.7	--	.00	.03	.00	--	.09	1.4	1	--
OCT 24, 74	1030	6	.3	--	.00	.00	.00	--	.06	2.0	0	8.1
			11.0	--	.00	.00	.00	--	.07	2.1	0	3.4
JAN 30, 75	1455	6	.5	--	.00	.03	.01	--	.06	1.7	1	5.5
			12.2	--	.00	.20	.05	--	.21	1.8	0	--
JUN 05, 75	1000	6	.6	--	.00	.00	.01	--	.07	1.8	0	25.0
			12.2	--	.00	.01	.01	--	.08	1.4	0	4.6
AUG 26, 75	1300	6	.3	--	.00	.02	.00	--	.08	2.1	1	--
			4.0	--	.01	.07	.00	--	.12	1.5	2	--
OCT 24, 74	0940	12	.3	3.9	.00	.00	.00	--	.07	2.2	0	6.0
			3.8	--	.01	.01	.00	--	.11	2.5	0	13.0
JAN 30, 75	1440	12	.5	1.8	.01	.01	.00	--	.06	1.7	0	--
			3.0	1.7	.00	.01	.00	--	.07	1.6	1	--
JUN 05, 75	0945	12	.6	1.7	.00	.00	.01	--	.07	1.2	6	2.5
			3.0	1.6	.00	.01	.01	--	.07	1.3	0	9.7
AUG 28, 75	1325	12	.3	--	.00	.03	.00	--	.09	1.7	1	--
			3.4	--	.01	.06	.00	--	.09	1.4	2	--
						LINE 131						
OCT 24, 74	0955	2	.3	--	.00	.00	.00	--	.06	2.4	0	4.4
			12.5	--	.00	.16	.01	--	.07	2.0	0	7.7
JAN 30, 75	1535	2	.3	--	.00	.01	.01	--	.06	2.4	5	7.7
			12.5	--	.00	.16	.01	--	.06	.9	0	2.3
APR 17, 75	1400	2	.3	--	.00	.00	.01	--	.05	1.0	0	11.0
			12.2	--	.01	.00	.00	--	.04	1.2	3	3.5
JUN 05, 75	1045	2	.3	--	.00	.00	.01	--	.06	1.7	3	5.1
			12.2	--	.00	.01	.01	--	.08	1.1	3	4.0
						LINE 142						
OCT 24, 74	1030	2	.3	--	.00	.00	.00	--	.05	2.4	0	3.5
			3.4	--	.00	.00	.00	--	.07	3.0	0	4.8
JAN 30, 75	1400	2	.5	--	.00	.01	.01	--	.07	1.8	1	--
			2.7	--	.00	.01	.00	--	.06	1.9	0	--
APR 17, 75	1330	2	.6	--	.01	.00	.00	--	.06	1.0	0	3.2
			3.0	--	.00	.01	.01	--	.02	1.1	0	3.8
AUG 26, 75	1325	2	.3	--	.01	.03	.00	--	.06	1.4	0	--
			4.0	--	.01	.02	.00	--	.09	1.4	0	--
OCT 24, 74	1105	8	.3	--	.00	.00	.01	--	.09	2.4	0	10.0
			4.3	--	.00	.00	.00	--	.10	2.6	0	13.0
JAN 30, 75	1335	8	.5	--	.00	.02	.00	--	.06	2.0	2	5.7

TABLE 8B--QUALITY OF WATER IN THE NUECES 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 142 CONTINUED							
JAN 30, 75	1335	8	4.1	--	.00	.01	.01	--	.10	3.6	0	--
APR 17, 75	1305	8	.5	--	.00	.01	.01	--	.05	.9	0	5.8
			3.7	--	.00	.00	.01	--	.04	.9	0	4.4
AUG 26, 75	1245	8	.3	--	.01	.02	.00	--	.08	1.6	--	--
			4.0	--	.01	.02	.00	--	.07	1.2	0	--
					LINE 147							
OCT 24, 74	1240	2	.3	--	.00	.00	.01	--	.07	2.4	0	--
			4.1	--	.00	.01	.01	--	.11	2.6	0	10.0
JAN 30, 75	1055	2	.3	--	.00	.02	.00	--	.06	1.9	3	12.0
			3.4	--	--	--	--	--	--	1.7	0	--
APR 17, 75	1035	2	.3	--	.00	.01	.01	--	.03	1.0	0	3.1
			2.4	--	.00	.04	.01	--	.03	.9	1	5.7
AUG 26, 75	1000	2	.3	--	.01	.00	.00	--	.07	1.8	0	--
			3.7	--	.00	.00	.01	--	.10	1.7	0	--
OCT 24, 74	1210	4	.3	3.9	.00	.03	.01	--	.08	2.5	0	5.2
			4.1	--	.00	.02	.01	--	.11	2.7	0	10.0
JAN 30, 75	1130	4	.3	1.5	.00	.00	.00	--	.06	1.4	1	4.6
			3.8	1.6	.00	.02	.01	--	.06	1.6	0	--
AUG 26, 75	1030	4	.3	3.4	.00	.04	.01	--	.06	.8	0	--
			4.2	--	.00	.02	.01	--	.10	1.0	--	--
					LINE 903							
OCT 24, 74	1445	70	.6	.8	.01	.01	.00	--	.07	2.2	0	3.9
			13.4	1.1	.01	.01	.01	--	.13	1.9	0	9.4
JAN 30, 75	0945	70	.5	.3	.00	.01	.01	--	.04	.9	--	--
			12.5	.5	.00	.03	.02	--	.07	.8	--	--
AUG 26, 75	0900	70	.6	.6	.01	.03	.00	--	.04	.6	0	--
			13.4	.7	.01	.03	.00	--	.06	.6	0	--

TABLE 8C--QUALITY OF WATER IN THE NUECES 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 MAGNESIUM (MG) (MG/L)	DIS SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
						LINE 38						
OCT 24, 74	1355	2	.3	6900	140.0	130.0	1200	45.0	192	320	2100	4050
JAN 30, 75	1245	2	.3	11800	150.0	230.0	2000	70.0	197	520	3600	6680
APR 17, 75	1045	2	.3	20300	300.0	400.0	3800	130.0	212	780	6700	12200
AUG 26, 75	1110	2	.3	2690	--	--	--	--	--	--	--	--
			1.2	2750	--	--	--	--	--	--	--	--
						LINE 53						
OCT 24, 74	1245	2	.3	34100	--	--	--	--	--	--	--	--
			1.5	40500	--	--	--	--	--	--	--	--
JAN 30, 75	1115	2	.3	39300	--	--	--	--	--	--	--	--
APR 17, 75	0930	2	.3	43300	--	--	--	--	--	--	--	--
			1.2	43200	--	--	--	--	--	--	--	--
AUG 26, 75	1020	2	.3	34500	--	--	--	--	--	--	--	--
OCT 24, 74	1215	4	.3	40000	--	--	--	--	--	--	--	--
			1.4	41400	--	--	--	--	--	--	--	--
JAN 30, 75	1040	4	.3	38400	--	--	--	--	--	--	--	--
APR 17, 75	0915	4	.3	43400	--	--	--	--	--	--	--	--
			.9	43100	--	--	--	--	--	--	--	--
AUG 26, 75	1000	4	.3	38100	--	--	--	--	--	--	--	--
						LINE 71						
OCT 24, 74	1520	2	.3	44100	--	--	--	--	--	--	--	--
			13.1	44900	--	--	--	--	--	--	--	--
JAN 30, 75	1500	2	.3	42200	--	--	--	--	--	--	--	--
			13.1	42200	--	--	--	--	--	--	--	--
APR 17, 75	1350	2	.3	43400	--	--	--	--	--	--	--	--
			12.2	43200	--	--	--	--	--	--	--	--
JUN 05, 75	1000	2	.3	40800	--	--	--	--	--	--	--	--
			12.2	41200	--	--	--	--	--	--	--	--
						LINE 108						
OCT 24, 74	1550	2	.3	43600	--	--	--	--	--	--	--	--
			12.2	44700	--	--	--	--	--	--	--	--
JAN 30, 75	1545	2	.3	42200	--	--	--	--	--	--	--	--
			12.2	42200	--	--	--	--	--	--	--	--
APR 17, 75	1445	2	.3	41700	--	--	--	--	--	--	--	--
			12.2	42600	--	--	--	--	--	--	--	--
JUN 05, 75	1135	2	.3	36100	--	--	--	--	--	--	--	--
			10.4	41400	--	--	--	--	--	--	--	--
AUG 26, 75	1450	2	.3	46700	--	--	--	--	--	--	--	--
			12.2	50300	--	--	--	--	--	--	--	--
						LINE 122						
OCT 24, 74	1130	2	.3	45300	--	--	--	--	--	--	--	--

TABLE 8C--QUALITY OF WATER IN THE NUECES 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 MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
				LINE 122 CONTINUED								
OCT 24, 74	1100	2	4.1	45300	--	--	--	--	--	--	--	--
JAN 30, 75	1015	2	.5	42200	--	--	--	--	--	--	--	--
			3.2	42700	--	--	--	--	--	--	--	--
JUN 05, 75	1015	2	.6	33400	--	--	--	--	--	--	--	--
			3.8	42900	--	--	--	--	--	--	--	--
AUG 26, 75	1250	2	.3	46600	--	--	--	--	--	--	--	--
			2.7	47200	--	--	--	--	--	--	--	--
OCT 24, 74	1030	6	.3	45200	--	--	--	--	--	--	--	--
			11.0	45900	--	--	--	--	--	--	--	--
JAN 30, 75	1455	6	.5	43200	--	--	--	--	--	--	--	--
			12.2	43600	--	--	--	--	--	--	--	--
JUN 05, 75	1000	6	.6	41400	--	--	--	--	--	--	--	--
			12.2	43200	--	--	--	--	--	--	--	--
AUG 26, 75	1330	6	.3	46000	--	--	--	--	--	--	--	--
			4.0	46500	--	--	--	--	--	--	--	--
OCT 24, 74	0940	12	.3	44400	350.0	620.0	8800	360.0	163	2100	15000	27500
			3.8	45000	--	--	--	--	--	--	--	--
JAN 30, 75	1440	12	.5	43600	450.0	1100.0	8800	350.0	165	2100	16000	28900
			3.0	43600	360.0	1000.0	9100	350.0	168	2100	16000	29000
JUN 05, 75	0945	12	.6	42500	370.0	680.0	6800	330.0	156	2100	15000	27600
			3.0	42400	360.0	990.0	8400	330.0	158	2100	15000	27300
AUG 26, 75	1325	12	.3	47200	--	--	--	--	--	--	--	--
			3.4	47200	--	--	--	--	--	--	--	--
				LINE 131								
OCT 24, 74	0955	2	.3	44300	--	--	--	--	--	--	--	--
			12.5	46400	--	--	--	--	--	--	--	--
JAN 30, 75	1535	2	.3	43200	--	--	--	--	--	--	--	--
			12.9	47600	--	--	--	--	--	--	--	--
APR 17, 75	1400	2	.3	40000	--	--	--	--	--	--	--	--
			12.2	40700	--	--	--	--	--	--	--	--
JUN 05, 75	1045	2	.3	36600	--	--	--	--	--	--	--	--
			12.2	43300	--	--	--	--	--	--	--	--
				LINE 142								
OCT 24, 74	1030	2	.3	44600	--	--	--	--	--	--	--	--
			3.4	46100	--	--	--	--	--	--	--	--
JAN 30, 75	1430	2	.5	43500	--	--	--	--	--	--	--	--
			2.7	43600	--	--	--	--	--	--	--	--
APR 17, 75	1330	2	.6	42400	--	--	--	--	--	--	--	--
			3.0	42200	--	--	--	--	--	--	--	--
AUG 26, 75	1325	2	.3	49100	--	--	--	--	--	--	--	--
			4.0	50600	--	--	--	--	--	--	--	--
OCT 24, 74	1105	8	.3	45200	--	--	--	--	--	--	--	--
			4.3	45600	--	--	--	--	--	--	--	--
JAN 30, 75	1335	8	.5	43300	--	--	--	--	--	--	--	--

TABLE 8C--QUALITY OF WATER IN THE NUECES 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 142 CONTINUED						
JAN 30, 75	1335	8	4.1	43700	--	--	--	--	--	--	--	--
APR 17, 75	1305	8	.5	44600	--	--	--	--	--	--	--	--
			3.7	44500	--	--	--	--	--	--	--	--
AUG 26, 75	1245	8	.3	46500	--	--	--	--	--	--	--	--
			4.0	46500	--	--	--	--	--	--	--	--
						LINE 147						
OCT 24, 74	1240	2	.3	45000	--	--	--	--	--	--	--	--
			4.1	46400	--	--	--	--	--	--	--	--
JAN 30, 75	1055	2	.3	43400	--	--	--	--	--	--	--	--
			3.4	43600	--	--	--	--	--	--	--	--
APR 17, 75	1035	2	.3	41800	--	--	--	--	--	--	--	--
			2.4	41500	--	--	--	--	--	--	--	--
AUG 26, 75	1000	2	.3	48900	--	--	--	--	--	--	--	--
			3.7	51800	--	--	--	--	--	--	--	--
OCT 24, 74	1210	4	.3	45500	340.0	1100.0	9100	380.0	163	2300	16000	29300
			4.1	46400	--	--	--	--	--	--	--	--
JAN 30, 75	1130	4	.3	43600	270.0	1000.0	--	350.0	156	2100	16000	28800
			3.8	43500	370.0	990.0	--	350.0	155	2100	16000	29100
AUG 26, 75	1030	4	.3	48400	470.0	1200.0	11000	370.0	173	2400	17000	30700
			4.0	50400	--	--	--	--	--	--	--	--
						LINE 903						
OCT 24, 74	1445	70	.6	46100	360.0	1100.0	9600	380.0	144	2300	16000	29800
			13.4	46400	360.0	960.0	--	380.0	143	2400	17000	31100
JAN 30, 75	0945	70	.5	47400	380.0	1000.0	10000	400.0	146	2300	17000	31200
			12.5	49200	390.0	1300.0	10000	400.0	148	2500	18000	32700
AUG 26, 75	0900	70	.6	54400	510.0	1400.0	12000	410.0	153	2800	20000	36200
			13.4	55100	460.0	1400.0	12000	420.0	152	2900	20000	37300

TABLE 8D--QUALITY OF WATER IN THE NUECES 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 38					
OCT 24, 74	1355	2	.3	100	6	--	--	0	--	--	--
JAN 30, 75	1245	2	.3	--	--	--	--	--	--	--	.5
APR 17, 75	1045	2	.3	--	--	--	--	--	--	--	.7
						LINE 53					
OCT 24, 74	1245	2	.3	40	2	--	--	1	--	--	--
OCT 24, 74	1215	4	.3	30	4	3	--	0	0	--	--
						LINE 108					
OCT 24, 74	1550	2	.3	40	4	3	--	0	0	--	--
			12.2	100	2	--	--	0	--	--	--
						LINE 122					
OCT 24, 74	1100	2	.3	40	2	1	--	0	0	--	--
OCT 24, 74	1030	6	.3	30	3	--	--	0	--	--	--
			11.0	30	3	--	--	0	--	--	--
OCT 24, 74	0940	12	.3	30	2	3	--	0	0	--	--
JAN 30, 75	1440	12	.5	--	--	--	--	--	--	--	1.3
			3.0	--	--	--	--	--	--	--	1.3
JUN 05, 75	0945	12	.6	--	--	--	--	--	--	--	1.3
			3.0	--	--	--	--	--	--	--	1.0
						LINE 131					
OCT 24, 74	0955	2	.3	30	3	--	--	0	--	--	--
						LINE 142					
OCT 24, 74	1030	2	.3	30	2	--	--	0	--	--	--
OCT 24, 74	1105	8	.3	40	1	3	--	1	0	--	--
						LINE 147					
OCT 24, 74	1210	4	.3	40	1	--	--	0	--	--	--
JAN 30, 75	1130	4	.3	--	--	--	--	--	--	--	1.3
			3.8	--	--	--	--	--	--	--	.1
AUG 28, 75	1030	4	.3	--	--	--	--	--	--	--	1.3
						LINE 903					
OCT 24, 74	1445	70	.6	70	1		--	0	0	--	--
			13.4	40	1	--	--	0	--	--	--
JAN 30, 75	0945	70	.5	--	--	--	--	--	--	--	1.0
			12.5	--	--	--	--	--	--	--	1.5
AUG 28, 75	0900	70	.6	--	--	--	--	--	--	--	1.4

TABLE 80--QUALITY OF WATER IN THE NUECES 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 903 CONTINUED						
AUG 26, 75	0900	70	13.4	--	--	--	--	--	--	--	1.5

TABLE 80--QUALITY OF WATER IN THE NUECES ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED LITH-IUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	BOTTOM DEPOSIT MAN-GANESE (MN) (UG/GM)	DIS-SOLVED MER-CURY (HG) (UG/L)	TOTAL MER-CURY (HG) (UG/L)	BOTTOM DEPOSIT MER-CURY (HG) (UG/GM)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)
						LINE 38						
OCT 24, 74	1355	2	.3	58	0	--	--	.4	--	--	2	2500
						LINE 53						
OCT 24, 74	1245	2	.3	120	47	--	--	.1	--	--	2	5000
OCT 24, 74	1215	4	.3	130	59	82	--	.0	.3	--	2	5100
						LINE 108						
OCT 24, 74	1550	2	.3	130	59	94	--	.3	.4	--	1	5300
			12.2	130	71	--	--	.1	--	--	3	5300
						LINE 122						
OCT 24, 74	1100	2	.3	130	71	110	--	.0	.4	--	1	5300
OCT 24, 74	1030	6	.3	130	71	--	--	.1	--	--	1	5300
			11.0	130	59	--	--	.1	--	--	2	5300
OCT 24, 74	0940	12	.3	140	71	94	--	.3	.4	--	1	5400
						LINE 131						
OCT 24, 74	0955	2	.3	130	35	--	--	.1	--	--	3	5300
						LINE 142						
OCT 24, 74	1030	2	.3	130	71	--	--	.1	--	--	3	5300
OCT 24, 74	1105	8	.3	140	59	110	--	.0	.4	--	1	5400
						LINE 147						
OCT 24, 74	1210	4	.3	140	71	--	--	.1	--	--	1	5600
						LINE 903						
OCT 24, 74	1445	70	.6	130	82	110	--	.1	.3	--	1	5100
			13.4	130	82	--	--	.0	--	--	4	5200

TABLE 8D--QUALITY OF WATER IN THE NUECES 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 38					
OCT 24, 74	1355	2	.3	--	--	30	--	--	3	--	--
						LINE 53					
OCT 24, 74	1245	2	.3	--	--	110	--	--	1	--	--
OCT 24, 74	1215	4	.3	--	--	110	490	--	2	3	--
						LINE 108					
OCT 24, 74	1550	2	.3	--	--	100	280	--	0	0	--
			12.2	--	--	130	--	--	1	--	--
						LINE 122					
OCT 24, 74	1100	2	.3	--	--	120	340	--	0	2	--
OCT 24, 74	1030	6	.3	--	--	120	--	--	3	--	--
			11.0	--	--	110	--	--	0	--	--
OCT 24, 74	0940	12	.3	--	--	120	410	--	0	2	--
						LINE 131					
OCT 24, 74	0955	2	.3	--	--	110	--	--	0	--	--
						LINE 142					
OCT 24, 74	1030	2	.3	--	--	110	--	--	0	--	--
OCT 24, 74	1105	8	.3	--	--	140	290	--	2	3	--
						LINE 147					
OCT 24, 74	1210	4	.3	--	--	140	--	--	2	--	--
						LINE 903					
OCT 24, 74	1445	70	.6	--	--	170	470	--	16	3	--
			13.4	--	--	130	--	--	1	--	--

TABLE 8D--QUALITY OF WATER IN THE NUECES 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 38					
OCT 24, 74	1355	2	.3	.00	--	0	--	--	8	--	--
						LINE 53					
OCT 24, 74	1245	2	.3	3.00	--	0	--	--	8	--	--
OCT 24, 74	1215	4	.3	.00	50.00	0	3	--	7	8.0	--
						LINE 108					
OCT 24, 74	1550	2	.3	.00	40.00	0	3	--	6	7.0	--
			12.2	.00	--	0	--	--	5	--	--
						LINE 122					
OCT 24, 74	1100	2	.3	.00	50.00	0	0	--	12	8.0	--
OCT 24, 74	1030	6	.3	.00	--	0	--	--	8	--	--
			11.0	16.00	--	0	--	--	6	--	--
OCT 24, 74	0940	12	.3	.00	50.00	0	5	--	14	12.0	--
						LINE 131					
OCT 24, 74	0955	2	.3	.00	--	0	--	--	6	--	--
						LINE 142					
OCT 24, 74	1030	2	.3	3.00	--	0	--	--	5	--	--
OCT 24, 74	1105	8	.3	.00	40.00	0	5	--	39	5.0	--
						LINE 147					
OCT 24, 74	1210	4	.3	.00	--	0	--	--	5	--	--
						LINE 903					
OCT 24, 74	1445	70	.6	.00	60.00	0	0	--	17	6.0	--
			13.4	.00	--	0	--	--	30	--	--

TABLE 80--QUALITY OF WATER IN THE NUECES 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 38
OCT 24, 74	1355	2	.3	10	--	--
						LINE 53
OCT 24, 74	1245	2	.3	60	--	--
OCT 24, 74	1215	4	.3	70	50	--
						LINE 108
OCT 24, 74	1550	2	.3	70	40	--
			12.2	60	--	--
						LINE 122
OCT 24, 74	1100	2	.3	90	70	--
OCT 24, 74	1030	6	.3	50	--	--
			11.0	50	--	--
OCT 24, 74	0940	12	.3	80	60	--
						LINE 131
OCT 24, 74	0955	2	.3	80	--	--
						LINE 142
OCT 24, 74	1030	2	.3	80	--	--
OCT 24, 74	1105	8	.3	140	80	--
						LINE 147
OCT 24, 74	1210	4	.3	80	--	--
						LINE 903
OCT 24, 74	1445	70	.6	160	60	--
			13.4	90	--	--

TABLE 8E--QUALITY OF WATER IN THE NUECES 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 53					
OCT 24, 74	1215	4	.3	.00	--	.0	--	.0	--	.00	--
			1.4	--	.0	--	.0	--	.0	--	.0
						LINE 108					
OCT 24, 74	1550	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 122					
OCT 24, 74	1100	2	.3	.00	--	.0	--	.00	--	.00	--
OCT 24, 74	0940	12	.3	.00	--	.0	--	.00	--	.00	--
						LINE 142					
OCT 24, 74	1105	8	.3	.00	--	.0	--	.00	--	.00	--
						LINE 903					
OCT 24, 74	1445	70	.6	.00	--	.0	--	.00	--	.00	--

TABLE 8c--QUALITY OF WATER IN THE NUECES 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 DIELDRIN (UG/L)	BOTTOM DEPOSIT DIELDRIN (UG/KG)	TOTAL ENDRIN (UG/L)	BOTTOM DEPOSIT ENDRIN (UG/KG)	TOTAL HEPTACHLOR (UG/L)	BOTTOM DEPOSIT HEPTACHLOR (UG/KG)
						LINE 53					
OCT 24, 74	1215	4	.3	.00	--	.00	--	.00	--	.00	--
			1.4	--	.0	--	.0	--	.0	--	.0
						LINE 108					
OCT 24, 74	1550	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 122					
OCT 24, 74	1100	2	.3	.00	--	.00	--	.00	--	.00	--
OCT 24, 74	0940	12	.3	.00	--	.00	--	.00	--	.00	--
						LINE 142					
OCT 24, 74	1105	8	.3	.00	--	.00	--	.00	--	.00	--
						LINE 903					
OCT 24, 74	1445	70	.6	.00	--	.00	--	.00	--	.00	--

TABLE 8E--QUALITY OF WATER IN THE NUECES 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 53					
OCT 24, 74	1215	4	.3	.00	--	.00	--	.00	.00	.00	.00
			1.4	--	.0	--	.0	--	--	--	--
						LINE 108					
OCT 24, 74	1550	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 122					
OCT 24, 74	1100	2	.3	.00	--	.00	--	.00	.00	.00	.00
OCT 24, 74	0940	12	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 142					
OCT 24, 74	1105	8	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 903					
OCT 24, 74	1445	76	.6	.00	--	.00	--	.00	.00	.00	.00

TABLE 8E--QUALITY OF WATER IN THE NUECES 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 38					
OCT 24, 74	1355	2	.3	--	--	.00	--	.00	--	.00	--
						LINE 53					
OCT 24, 74	1245	2	.3	--	--	.01	--	.00	--	.00	--
OCT 24, 74	1215	4	.3	.0	--	.00	--	.00	--	.00	--
			1.4	--	7.0	--	.0	--	.0	--	.0
						LINE 106					
OCT 24, 74	1550	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 122					
OCT 24, 74	1100	2	.3	.0	--	.00	--	.00	--	.00	--
OCT 24, 74	0940	12	.3	.0	--	.00	--	.00	--	.00	--
						LINE 131					
OCT 24, 74	0955	2	.3	--	--	.00	--	.00	--	.00	--
						LINE 142					
OCT 24, 74	1030	2	.3	--	--	.00	--	.00	--	.00	--
OCT 24, 74	1105	8	.3	.0	--	.00	--	.00	--	.00	--
						LINE 147					
OCT 24, 74	1210	4	.3	--	--	.00	--	.00	--	.00	--
						LINE 903					
OCT 24, 74	1445	70	.6	.0	--	.00	--	.00	--	.00	--

TABLE 8C--QUALITY OF WATER IN THE NUECES 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 53					
OCT 24, 74	1215	4	.3	.0	--	--	--	--	--	--	--
			1.4	--	0.	--	--	--	--	--	--
						LINE 108					
OCT 24, 74	1550	2	.3	.0	--	--	--	--	--	--	--
						LINE 122					
OCT 24, 74	1100	2	.3	.0	--	--	--	--	--	--	--
OCT 24, 74	0940	12	.3	.0	--	--	--	--	--	--	--
						LINE 142					
OCT 24, 74	1105	8	.3	.0	--	--	--	--	--	--	--
						LINE 903					
OCT 24, 74	1445	71	.6	.0	--	--	--	--	--	--	--

TABLE 8F--QUALITY OF WATER IN THE NUECES 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 (COL- ONIES PER 100 ML)	CHLOROPHYLL A (UG/L)
						LINE 38	
OCT 24, 74	1355	2	.3	60	26	18	3.60
JAN 30, 75	1245	2	.3	--	--	--	9.70
APR 17, 75	1145	2	.3	--	24	12	--
AUG 26, 75	1110	2	.3	--	8	28	--
						LINE 53	
OCT 24, 74	1245	2	.3	0	0	0	2.60
JAN 30, 75	1115	2	.3	--	--	--	1.90
APR 17, 75	0930	2	.2	0	2	0	.20
AUG 26, 75	1020	2	.3	0	0	2	3.30
OCT 24, 74	1215	4	.3	10	4	2	4.20
JAN 30, 75	1040	4	.3	--	--	--	4.90
APR 17, 75	0915	4	.3	0	0	0	.00
AUG 26, 75	1000	4	.3	--	4	16	2.90
						LINE 71	
OCT 24, 74	1520	2	.3	--	1	20	.80
APR 17, 75	1350	2	.3	12	1	3	--
JUN 05, 75	1000	2	.3	17	13	4	--
						LINE 106	
OCT 24, 74	1550	2	.3	100	38	23	1.90
APR 17, 75	1445	2	.3	160	22	21	.40
JUN 05, 75	1035	2	.3	0	0	0	--
AUG 26, 75	1450	2	.3	--	32	41	5.00
						LINE 122	
OCT 24, 74	1100	2	.3	0	0	0	1.90
JAN 30, 75	1515	2	.5	--	--	--	.70
JUN 05, 75	1015	2	.6	--	--	--	3.00
AUG 26, 75	1230	2	.3	0	2	1	3.50
OCT 24, 74	1030	6	.3	--	0	11	.70
JAN 30, 75	1455	6	.5	--	--	--	1.00
AUG 26, 75	1300	6	.3	--	--	--	2.50
OCT 24, 74	0940	12	.3	16	0	19	4.80
JAN 30, 75	1440	12	.5	--	--	--	.40

TABLE 8F--QUALITY OF WATER IN THE NUECES 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 122 CONTINUED			
JUN 05, 75	0945	12	.6	1	0	0	--
AUG 26, 75	1325	12	.3	1	0	1	1.60
				LINE 131			
OCT 24, 74	0955	2	.3	8	0	6	--
APR 17, 75	1400	2	.3	--	3	12	--
JUN 05, 75	1045	2	.3	12	10	3	--
				LINE 142			
OCT 24, 74	1030	2	.3	12	0	2	3.70
JAN 30, 75	1400	2	.5	--	--	--	.90
APR 17, 75	1330	2	.6	0	0	0	.40
AUG 26, 75	1325	2	.3	0	0	3	2.60
			4.0	--	--	--	2.60
OCT 24, 74	1105	8	.3	16	0	0	--
JAN 30, 75	1335	8	.5	--	--	--	.80
APR 17, 75	1305	8	.5	0	0	0	--
AUG 26, 75	1245	8	.3	0	1	0	1.50
				LINE 147			
OCT 24, 74	1240	2	.3	9	0	0	.20
JAN 30, 75	1155	2	.5	--	--	--	2.90
APR 17, 75	1135	2	.3	3	0	6	.30
AUG 26, 75	1100	2	.3	0	1	2	--
OCT 24, 74	1210	4	.3	0	0	0	1.50
JAN 30, 75	1130	4	.7	--	--	--	.10
AUG 26, 75	1130	4	.3	0	0	0	1.60
				LINE 903			
OCT 24, 74	1445	70	.6	0	0	0	--
AUG 26, 75	0900	70	.6	0	0	0	2.00

Laguna Madre Estuary

The Laguna Madre estuary covers an area of about 640 square miles (1,658 km^2) and consists of the tidal parts of the Arroyo Colorado and other tributaries, upper Laguna Madre, Baffin Bay, lower Laguna Madre, Brownsville Ship Channel, part of the Intracoastal Waterway, Port Mansfield Channel, and Brazos Santiago Pass (Figure 10). At mlw, upper and lower Laguna Madre and Baffin Bay are generally less than 4 feet (1.2 m) deep, but in a few areas are as much as 10 feet (3.0 m) deep. The Intracoastal Waterway, Port Mansfield Channel, and Arroyo Colorado are about 15 feet (4.6 m) deep; the Brownsville Ship Channel is about 40 feet (12.2 m) deep.

Water-quality data (Table 9) were collected in October 1974 and February and June 1975.

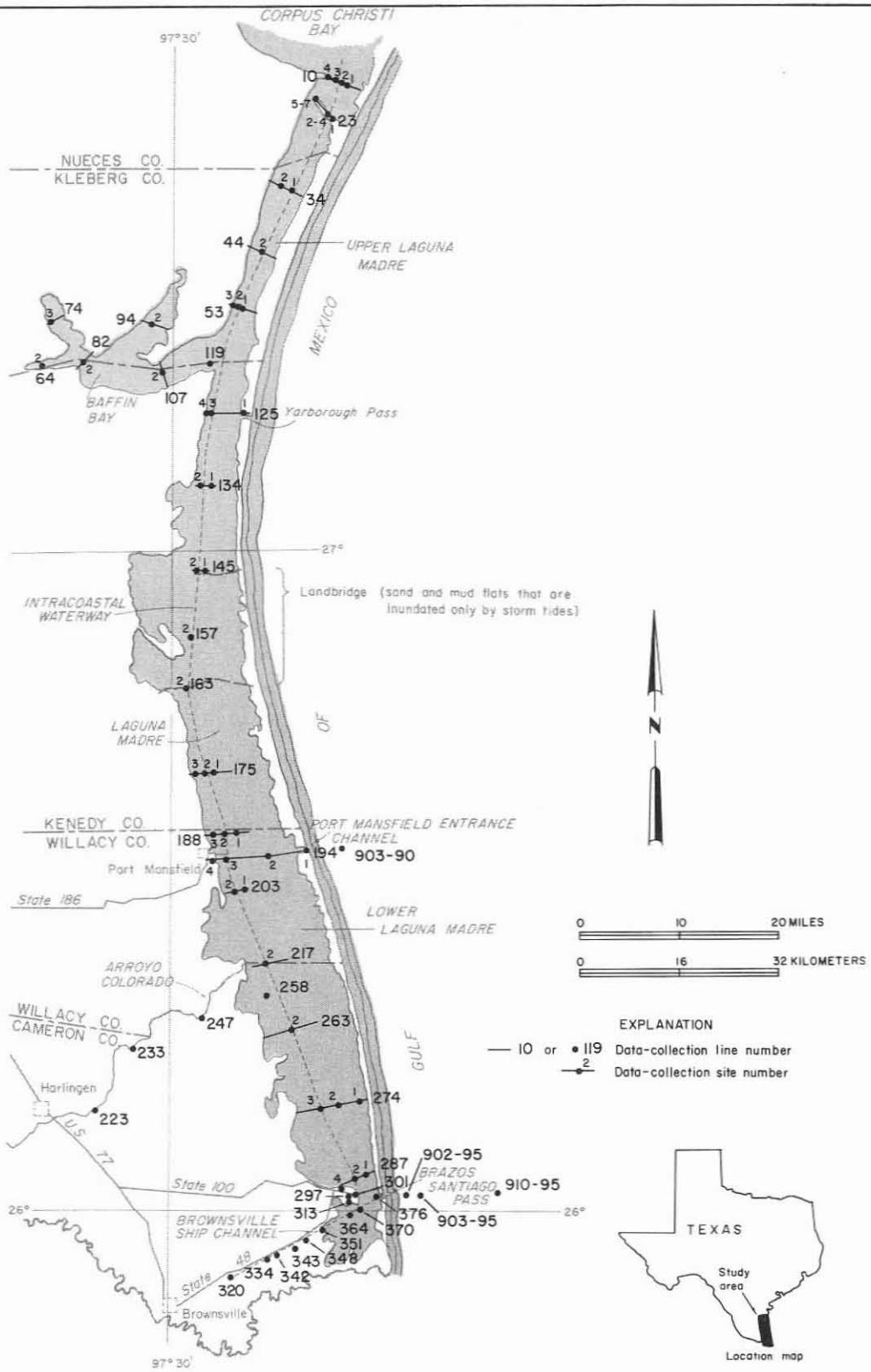

Figure 10

Data-Collection Sites in the Laguna Madre Estuary

Base by U.S. Geological Survey, 1956

TABLE 5A--QUALITY OF WATER IN THE LAGUNA MAIRE 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				
FEB 05, 75	1740	3	.3	43000	18.7	8.5	12.8	160	0.	119
			1.5	43000	18.7	8.5	13.6	170	0.	--
			5.0	43000	18.7	8.5	12.7	159	5.	--
						LINE 23				
OCT 23, 74	1615	3	.3	46000	23.0	--	5.5	75	10.	102
			1.5	46000	23.0	--	5.8	79	10.	--
			3.0	46000	23.0	--	5.9	81	10.	--
			4.6	46000	23.0	--	5.3	73	15.	--
			5.8	46000	23.0	--	5.6	77	30.	--
FEB 05, 75	1715	3	.3	42000	18.5	8.5	11.6	145	5.	150
			1.5	42000	18.4	8.5	11.0	136	0.	--
			3.0	42000	18.4	8.5	10.6	131	0.	--
			5.8	42000	18.1	8.4	10.0	123	5.	--
JUN 04, 75	1620	3	.3	60000	27.9	8.4	12.2	157	30.	640
			2.7	60000	27.8	8.3	10.7	173	350.	--
			5.5	61000	27.2	8.3	8.9	144	325.	--
OCT 23, 74	1640	6	.3	46000	23.0	--	6.7	92	10.	84
			1.5	46000	23.0	--	6.5	89	20.	--
			3.4	46000	23.0	--	6.5	89	20.	--
						LINE 34				
OCT 23, 74	1630	1	.3	60000	24.1	8.2	4.6	69	20.	202
			1.5	62000	24.1	8.2	4.6	70	20.	--
			3.0	65000	23.8	8.2	4.0	62	20.	--
			4.7	65000	23.9	8.2	3.9	60	55.	--
FEB 05, 75	1635	1	.3	46000	18.5	8.4	11.7	146	5.	191
			1.5	46000	18.6	8.3	10.7	135	0.	--
			3.0	46000	18.6	8.3	8.7	110	0.	--
			4.7	46000	18.6	8.3	8.1	103	50.	--
JUN 04, 75	1545	1	.3	60000	27.2	8.3	7.7	102	65.	770
			2.1	60000	27.2	8.3	7.4	117	40.	--
			4.0	60000	27.2	8.3	7.1	113	120.	--
OCT 23, 74	1620	2	.3	57000	24.4	8.2	4.6	70	20.	122
			1.2	57000	24.4	8.2	4.7	71	80.	--
						LINE 44				
OCT 23, 74	1510	2	.3	57000	23.5	--	6.2	91	20.	119
			1.5	57000	23.0	--	6.5	96	20.	--
			3.0	57000	23.0	--	5.9	87	30.	--
			5.2	60000	23.0	--	5.8	85	--	--
FEB 05, 75	1600	2	.3	48000	18.8	8.3	9.6	123	5.	123
			1.5	48000	18.8	8.3	9.7	124	--	--
			3.0	48000	18.7	8.3	10.8	138	5.	--
			5.0	48000	18.7	8.3	9.8	126	10.	--
JUN 04, 75	1515	2	.3	63000	27.0	8.3	7.7	126	35.	1100
			2.4	63000	26.9	8.3	7.4	121	35.	--
			4.6	63000	26.5	8.2	7.1	115	135.	--
						LINE 53				
OCT 23, 74	1515	1	.3	62000	24.5	8.2	5.1	78	10.	130

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE 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 53 CONTINUED					
OCT 23, 74	1515	1	1.7	63000	24.3	8.2	4.8	74	10.	--
OCT 23, 74	1500	2	.3	60000	24.4	8.3	4.5	68	20.	84
			1.5	62000	24.4	8.3	4.3	66	25.	--
			3.0	62000	24.0	8.3	4.1	62	20.	--
			4.6	62000	23.8	8.2	3.9	59	50.	--
FEB 05, 75	1530	2	.3	49000	18.6	8.3	8.8	114	5.	108
			1.5	49000	18.6	8.3	8.2	106	5.	--
			3.0	49000	18.6	8.3	8.8	114	5.	--
			4.4	50000	18.5	8.2	6.8	87	15.	--
JUN 04, 75	1500	2	.3	63000	26.5	8.2	6.6	106	30.	690
			2.1	63000	26.0	8.2	6.3	102	75.	--
			4.3	63000	25.5	8.2	3.3	53	70.	--
					LINE 64					
OCT 23, 74	1110	2	.3	56000	24.2	8.4	7.0	103	30.	43
			1.7	56000	24.2	8.3	6.3	93	60.	--
FEB 05, 75	1410	2	.3	54000	17.9	8.3	6.0	79	110.	51
			1.2	54000	17.9	8.3	6.7	82	150.	--
JUN 04, 75	1350	2	.3	65000	28.0	--	6.3	105	--	64
			1.5	65000	28.0	--	6.3	105	--	--
					LINE 74					
OCT 23, 74	1140	2	.3	53000	24.4	7.9	5.8	85	20.	74
			1.5	54000	24.4	7.8	4.6	69	50.	--
JUN 04, 75	1155	2	.3	65000	27.9	--	4.7	80	--	21
			1.5	67000	27.9	--	4.6	78	--	--
FEB 05, 75	1340	3	.3	52000	17.5	8.1	8.0	103	60.	40
			1.5	52000	17.5	8.1	7.7	99	70.	--
					LINE 82					
OCT 23, 74	1210	2	.3	57000	24.0	7.7	5.9	88	10.	112
			1.5	57000	24.0	7.7	4.6	69	30.	--
			2.1	57000	23.9	7.6	3.5	52	10.	--
FEB 05, 75	1320	2	.3	52000	18.1	8.0	6.9	90	55.	34
			2.1	52000	17.9	8.0	7.1	92	50.	--
JUN 04, 75	1335	2	.3	64000	27.7	--	5.8	97	--	18
			1.8	64000	27.7	--	5.8	97	--	--
					LINE 94					
OCT 23, 74	1300	2	.3	60000	24.0	7.9	6.6	99	60.	30
			1.5	59000	24.0	7.9	6.4	96	70.	--
FEB 05, 75	1250	2	.3	52000	17.9	8.1	7.4	96	45.	43
			1.5	52000	18.0	8.1	7.7	100	25.	--
JUN 04, 75	1305	2	.3	64000	28.0	--	5.5	92	--	14
			1.2	64000	28.0	--	5.5	92	--	--
					LINE 107					
OCT 23, 74	1350	2	.3	62000	23.8	8.2	5.6	85	20.	56

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE 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 107 CONTINUED					
OCT 23, 74	1350	2	1.5	62000	23.6	8.2	5.0	76	20.	--
			2.4	63000	23.7	8.2	4.4	67	50.	--
FEB 05, 75	1210	2	.3	52000	18.5	8.1	6.9	91	35.	98
			1.2	52000	18.4	8.1	6.9	90	35.	--
			2.4	52000	18.4	8.0	6.8	88	25.	--
JUN 04, 75	1415	2	.5	62000	26.5	8.2	7.1	115	50.	530
			1.8	62000	26.4	8.2	6.8	110	50.	--
					LINE 119					
FEB 05, 75	1500	2	.3	50000	18.5	8.2	6.6	85	0.	123
			1.5	50000	18.5	8.2	6.6	85	5.	--
			2.4	49000	18.6	8.3	6.6	86	5.	--
JUN 04, 75	1400	2	.3	55000	26.2	8.4	7.4	114	0.	970
			1.8	55000	26.1	8.4	7.2	111	5.	--
OCT 23, 74	1435	3	.3	62000	24.1	8.3	5.8	68	20.	71
			1.5	62000	23.7	8.2	5.3	60	20.	--
			2.7	62000	23.7	8.2	4.9	74	40.	--
					LINE 125					
OCT 23, 74	1355	1	.3	68000	23.5	--	7.9	123	40.	66
			1.8	69000	23.0	--	5.5	86	20.	--
FEB 05, 75	1300	1	.3	49000	18.4	8.3	6.4	82	10.	87
			1.2	52000	18.4	8.3	3.9	51	10.	--
			2.0	52000	17.7	8.2	.0	0	15.	--
JUN 04, 75	1310	1	.3	60000	26.2	8.5	5.5	86	25.	750
			1.2	60000	26.0	8.5	5.3	83	10.	--
OCT 23, 74	1405	3	.3	68000	24.0	--	8.8	140	30.	58
			1.5	68000	23.5	--	6.8	106	35.	--
			3.0	68000	23.5	--	6.1	95	30.	--
			5.2	69000	23.5	--	5.2	81	40.	--
FEB 05, 75	1330	3	.3	51000	19.4	8.5	8.1	107	5.	79
			1.5	51000	19.4	8.5	8.0	105	10.	--
			3.0	51000	19.4	8.5	8.0	105	10.	--
			5.2	51000	19.4	8.5	8.0	105	15.	--
JUN 04, 75	1320	3	.3	50000	27.0	8.4	6.7	102	10.	1050
			2.1	50000	27.0	8.4	6.5	98	85.	--
			4.3	55000	26.1	8.4	4.8	74	30.	--
OCT 23, 74	1420	4	.3	67000	24.0	--	7.7	120	25.	71
			2.3	68000	23.5	--	5.0	78	45.	--
FEB 05, 75	1345	4	.3	51000	19.6	8.5	9.4	124	5.	69
			1.5	51000	19.5	8.5	9.3	122	5.	--
			2.3	51000	19.5	8.4	9.1	120	15.	--
JUN 04, 75	1330	4	.3	55000	27.0	8.5	5.7	89	0.	1080
			1.8	54000	26.7	8.5	6.7	105	5.	--
					LINE 134					
OCT 23, 74	1305	1	.3	68000	24.0	--	6.6	103	45.	64
			1.2	69000	24.0	--	6.2	97	50.	--
FEB 05, 75	1130	1	.3	51000	18.0	8.2	6.4	82	20.	59
			1.8	51000	17.9	8.2	6.2	79	30.	--

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MAIRE 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 134 CONTINUED					
JUN 04, 75	1200	1	.3	50000	28.0	8.8	--	--	50.	390
			1.2	48000	27.8	8.6	--	--	60.	--
OCT 23, 74	1315	2	.3	70000	24.0	--	6.3	100	20.	71
			1.5	70000	23.5	--	5.8	91	20.	--
			3.0	70000	23.5	--	5.1	80	20.	--
			4.6	72000	23.5	--	5.1	80	20.	--
FEB 05, 75	1150	2	.3	50000	19.0	8.5	7.5	97	10.	83
			1.5	50000	19.0	8.5	7.6	99	5.	--
			3.0	50000	18.7	8.4	7.6	99	5.	--
			4.6	50000	18.5	8.4	7.0	90	15.	--
JUN 04, 75	1215	2	.3	45000	26.6	8.5	5.1	76	20.	1250
			2.1	45000	26.6	8.5	5.0	75	5.	--
			4.0	50000	26.6	8.6	5.0	75	5.	--
					LINE 157					
OCT 23, 74	1155	2	.3	60000	23.0	--	6.6	97	20.	91
			1.5	60000	23.0	--	6.4	94	20.	--
			3.0	63000	22.5	--	5.5	81	30.	--
			4.6	63000	22.0	--	4.9	72	30.	--
			5.5	64000	22.5	--	4.2	64	40.	--
FEB 05, 75	1020	2	.3	50000	17.6	8.3	6.8	87	10.	83
			1.5	50000	17.7	8.3	6.8	87	5.	--
			3.0	50000	17.7	8.3	6.6	85	10.	--
			5.2	50000	17.7	8.3	6.8	87	20.	--
JUN 04, 75	1115	2	.3	50000	27.4	8.7	--	--	5.	1330
			2.4	50000	27.1	8.7	--	--	--	--
			4.9	50000	27.0	8.5	--	--	5.	--
					LINE 163					
OCT 23, 74	1130	2	.3	57000	24.0	--	6.0	90	20.	81
			1.5	60000	23.5	--	5.8	85	20.	--
			3.0	60000	23.0	--	5.3	78	20.	--
			4.4	60000	23.0	--	5.2	76	40.	--
FEB 05, 75	0950	2	.3	50000	19.3	8.4	6.9	91	5.	69
			1.5	50000	19.3	8.4	6.9	91	5.	--
			4.0	50000	19.3	8.4	7.0	92	45.	--
JUN 04, 75	1100	2	.3	42000	26.9	8.7	--	--	20.	690
			2.1	43000	26.8	8.6	--	--	20.	--
			4.0	44000	26.5	8.5	--	--	30.	--
					LINE 175					
OCT 23, 74	1105	1	.3	52000	23.5	--	6.9	99	10.	114
			1.4	52000	24.0	--	6.9	100	20.	--
JUN 04, 75	1030	1	.3	52000	26.5	8.5	--	--	25.	610
			1.5	52000	26.0	8.5	--	--	45.	--
OCT 23, 74	1050	2	.3	50000	24.0	--	6.9	99	15.	142
			1.5	52000	23.5	--	6.6	94	20.	--
			3.0	58000	23.0	--	2.1	31	40.	--
			4.9	61000	23.0	--	1.8	27	40.	--
FEB 05, 75	0910	2	.3	51000	19.8	8.5	6.3	84	20.	22
			1.5	51000	19.8	8.5	7.0	93	100.	--
			3.7	51000	19.7	8.5	7.3	96	250.	--
JUN 04, 75	1000	2	.3	50000	27.0	8.5	--	--	20.	640

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE 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 175 CONTINUED					
JUN 04, 75	1000	2	2.1	50000	26.9	8.5	--	--	20.	--
			4.3	50000	26.5	8.5	--	--	35.	--
OCT 23, 74	1040	3	.3	49000	24.0	--	5.9	84	0.	135
			1.7	50000	24.5	--	5.1	74	35.	--
FEB 05, 75	0920	3	.3	50000	19.3	8.5	7.0	92	5.	69
			1.7	50000	19.5	8.5	6.8	89	5.	--
JUN 04, 75	1015	3	.3	50000	27.0	8.4	--	--	30.	660
			1.2	50000	26.5	8.4	--	--	30.	--
					LINE 188					
OCT 23, 74	0945	1	.3	50000	24.0	--	6.1	87	50.	76
			.8	50000	24.0	--	6.4	91	50.	--
FEB 04, 75	1645	1	.3	50000	20.2	8.8	16.1	215	10.	90
			.9	50000	20.2	8.8	15.3	204	15.	--
JUN 04, 75	0945	1	.3	52000	26.0	8.5	8.0	121	20.	580
			.9	52000	26.0	8.5	8.2	124	20.	--
OCT 23, 74	1005	2	.3	49000	23.5	--	6.8	97	10.	127
			1.5	50000	23.5	--	6.7	96	60.	--
			3.0	55000	23.0	--	3.4	49	80.	--
			4.6	61000	23.0	--	2.2	33	50.	--
FEB 04, 75	1700	2	.3	49000	20.5	8.8	14.5	196	10.	73
			1.5	51000	20.4	8.7	13.5	182	20.	--
			4.0	51000	20.5	8.7	13.1	177	30.	--
FEB 05, 75	0845	2	.3	49000	19.6	8.4	6.7	88	10.	68
			1.5	49000	19.5	8.4	6.7	88	10.	--
			4.1	50000	19.1	8.3	5.8	75	20.	--
JUN 04, 75	0930	2	.3	48000	26.9	8.4	6.4	97	--	610
			1.8	48000	26.8	8.4	6.9	105	500.	--
			3.7	48000	26.8	8.4	6.7	102	120.	--
OCT 23, 74	1020	3	.3	41000	24.0	--	6.9	95	10.	114
			1.7	49000	24.0	--	5.0	71	25.	--
FEB 04, 75	1710	3	.3	45000	20.4	8.7	16.5	217	10.	74
			1.5	46000	20.2	8.7	14.1	183	20.	--
JUN 04, 75	0915	3	.3	55000	27.0	8.4	5.5	86	40.	460
			.9	55000	26.1	8.4	5.9	91	40.	--
					LINE 194					
OCT 22, 74	1730	1	.6	48000	25.3	7.9	8.1	117	20.	61
			3.0	48000	25.3	7.9	8.0	116	20.	--
			7.6	48000	25.5	7.9	8.1	119	40.	--
OCT 22, 74	1745	2	.3	48000	26.2	8.0	6.9	101	35.	36
			1.5	48000	26.2	8.0	6.9	101	35.	--
			4.0	48000	25.8	8.0	6.6	97	75.	--
FEB 04, 75	1600	2	.3	48000	18.5	8.4	13.9	178	20.	65
			1.5	48000	18.5	8.4	15.1	194	15.	--
			3.0	48000	18.4	8.4	12.3	156	20.	--
			5.8	48000	18.6	8.4	12.1	155	15.	--
OCT 22, 74	1800	3	.3	40000	25.2	8.0	6.7	93	10.	76
			1.5	48000	24.0	8.0	6.3	89	20.	--
			3.0	48000	23.6	7.9	5.0	70	20.	--

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE 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 194 CONTINUED						
OCT 22, 74	1800	3	4.1	48000	23.6	7.9	5.0	70	30.	--
FEB 04, 75	1620	3	.3	48000	20.3	8.7	12.6	168	10.	74
			1.5	50000	20.0	8.6	12.3	164	15.	--
			3.0	50000	19.9	8.6	10.7	143	15.	--
			4.3	50000	19.6	8.6	9.4	124	110.	--
JUN 03, 75	1710	3	.3	47000	27.4	--	7.2	107	--	74
			1.5	52000	27.2	--	7.0	108	--	--
			3.0	52000	26.0	--	5.9	89	--	--
			4.6	42000	26.0	--	6.2	90	--	--
OCT 22, 74	1730	4	.3	41000	25.0	7.4	8.1	112	20.	50
			1.5	46000	23.5	7.3	6.5	90	10.	--
			3.0	46000	23.0	7.2	5.2	71	10.	--
			4.6	51000	22.0	7.2	.6	8	20.	--
			5.9	57000	22.0	7.0	.0	0	45.	--
JUN 03, 75	1630	4	.3	49000	27.1	8.4	12.7	162	30.	830
			3.4	49000	27.0	8.4	12.1	183	20.	--
			6.7	49000	26.9	8.4	11.9	180	15.	--
JUN 03, 75	1725	4	.3	44000	29.0	--	6.6	103	--	41
			1.5	46000	29.0	--	6.8	106	--	--
			3.0	48000	26.8	--	5.1	76	--	--
			4.6	48000	26.0	--	1.5	22	--	--
				LINE 203						
OCT 22, 74	1630	2	.3	44000	25.0	7.3	6.5	93	0.	98
			1.5	44000	24.5	7.3	6.4	91	5.	--
			3.0	44000	24.0	7.3	6.2	87	10.	--
			4.0	44000	24.0	7.3	6.2	87	20.	--
FEB 04, 75	1405	2	.3	45000	20.7	8.6	11.5	161	10.	53
			1.5	45000	20.4	8.6	12.4	163	25.	--
			4.0	45000	19.8	8.6	10.2	132	20.	--
JUN 03, 75	1520	2	.3	48000	27.1	8.5	11.5	172	5.	670
			1.5	48000	27.0	8.5	11.8	176	0.	--
			2.1	48000	26.5	8.5	14.3	210	20.	--
				LINE 217						
OCT 22, 74	1550	2	.3	29000	26.0	7.4	8.1	109	0.	60
			1.5	30000	25.0	7.4	7.5	100	5.	--
			3.0	30000	24.0	7.4	5.9	78	15.	--
			5.2	37000	24.5	7.3	4.7	64	20.	--
FEB 04, 75	1350	2	.3	43000	19.4	8.5	10.6	134	25.	53
			1.5	45000	19.0	8.4	10.3	130	55.	--
			3.0	45000	18.6	8.4	10.1	128	35.	--
			5.2	45000	18.6	8.4	9.7	123	220.	--
JUN 03, 75	1445	2	.3	48000	27.1	8.6	9.7	145	35.	540
			2.1	47000	26.9	8.6	9.5	142	--	--
			4.6	47000	26.6	8.6	10.9	163	30.	--
				LINE 223						
OCT 22, 74	1435	2	.3	4000	25.6	7.5	8.4	102	65.	28
			.9	4100	24.9	7.4	6.7	81	--	--
			1.2	4400	24.7	7.4	6.0	72	100.	--
FEB 04, 75	1535	2	.3	5100	20.3	7.6	5.7	64	120.	--
			1.2	5100	20.1	7.7	6.1	68	135.	--

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS) (FIELD)	TEMPER-ATURE (DEG. C)	PH	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATUR-ATION	TUR-BIDITY (JTU)	TRANS-PARENCY SECCHI DISK (CM)
					LINE 223 CONTINUED					
JUN 03, 75	1500	2	.3	3900	28.0	--	8.4	108	--	16
			1.2	3700	27.5	--	7.9	100	--	--
					LINE 233					
OCT 22, 74	1515	2	.3	9200	25.1	8.1	11.6	141	30.	56
			1.5	10000	24.9	8.0	9.2	112	25.	--
			1.8	14000	24.2	7.4	3.9	46	20.	--
			2.4	17000	24.2	7.4	2.9	36	20.	--
			3.0	22000	24.1	7.3	1.0	13	20.	--
			4.9	31000	24.5	7.4	.8	9	70.	--
FEB 04, 75	1615	2	.3	14000	20.2	8.0	11.4	130	10.	69
			1.2	16000	19.8	7.9	7.7	89	--	--
			1.5	18000	19.6	7.7	4.4	50	10.	--
			3.0	24000	19.5	7.6	.7	8	15.	--
			4.9	32000	18.8	7.6	.0	0	20.	--
JUN 03, 75	1530	2	.3	6000	28.4	--	11.8	153	--	72
			1.5	10000	28.0	--	4.8	62	--	--
			2.4	20000	27.6	--	.9	12	--	--
			4.9	42000	27.0	--	.0	0	--	--
					LINE 247					
OCT 22, 74	1600	2	.3	17000	25.1	8.0	9.9	125	10.	69
			1.5	18000	25.1	8.0	9.9	125	10.	--
			2.4	18000	23.7	7.7	4.3	53	10.	--
			3.0	28000	22.9	7.5	.0	0	10.	--
			4.6	35000	22.5	7.5	.0	0	30.	--
FEB 04, 75	1700	2	.3	21000	20.9	8.2	9.3	111	5.	100
			1.5	25000	21.2	7.9	6.6	80	10.	--
			3.0	36000	22.1	7.9	2.1	27	10.	--
			4.9	41000	22.1	7.8	.9	12	60.	--
JUN 03, 75	1610	2	.3	11000	29.0	--	16.0	213	--	51
			2.1	30000	27.0	--	2.3	32	--	--
			4.3	46000	26.0	--	.0	0	--	--
					LINE 258					
OCT 22, 74	1315	2	.3	23000	24.5	7.6	7.6	97	10.	85
			1.5	25000	23.5	7.6	5.9	75	10.	--
			3.0	32000	24.0	7.6	5.1	67	10.	--
			4.9	34000	24.0	7.4	1.8	24	120.	--
FEB 04, 75	1315	2	.3	26000	21.2	8.7	11.4	139	5.	83
			1.5	32000	21.2	8.6	9.4	118	10.	--
			3.0	42000	20.0	8.5	7.8	100	5.	--
			4.6	45000	19.3	8.3	8.5	109	65.	--
JUN 03, 75	1420	2	.3	40000	28.2	8.6	15.9	234	50.	580
			1.8	45000	26.0	8.6	9.8	144	70.	--
			4.0	44000	26.2	8.6	9.6	141	95.	--
					LINE 263					
OCT 22, 74	1250	2	.3	36000	24.5	7.5	6.1	82	10.	57
			1.5	36000	24.0	7.5	5.8	77	15.	--
			3.0	36000	23.0	7.5	5.2	68	20.	--
			4.6	36000	23.5	7.5	5.4	71	25.	--
FEB 04, 75	1200	2	.3	41000	19.4	8.5	9.2	115	20.	56
			1.5	41000	18.9	8.5	8.7	109	20.	--

TABLE 5A--QUALITY OF WATER IN THE LAGUNA MADRE 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 263 CONTINUED						
FEB 04, 75	1200	2	4.3	43000	18.8	8.4	6.7	84	15.	--
JUN 03, 75	1400	2	.3	40000	27.2	8.5	10.3	149	40.	430
			2.1	42000	26.6	8.5	9.9	146	50.	--
			4.3	46000	26.4	8.5	9.6	141	100.	--
				LINE 274						
OCT 22, 74	1210	1	.3	47000	24.0	7.7	6.6	93	0.	107
			1.1	47000	24.0	7.7	6.7	94	15.	--
FEB 04, 75	1110	1	.3	45000	19.7	8.3	6.8	87	10.	62
			.9	45000	19.6	8.3	6.4	82	10.	--
JUN 03, 75	1315	1	.3	49000	26.1	8.5	13.2	197	5.	910
			.9	48000	26.0	8.5	11.8	174	10.	--
OCT 22, 74	1155	2	.3	46000	24.0	7.5	6.6	93	5.	110
			1.4	46000	24.0	7.5	6.8	96	5.	--
FEB 04, 75	1100	2	.3	45000	19.4	8.3	7.0	90	40.	38
			1.2	45000	19.3	8.3	6.8	87	55.	--
JUN 03, 75	1305	2	.3	48000	25.9	8.2	10.4	153	20.	700
			.9	48000	25.9	8.2	9.7	143	40.	--
OCT 22, 74	1145	3	.3	44000	23.5	7.5	6.2	86	10.	86
			1.5	44000	23.0	7.6	6.1	84	10.	--
			4.0	44000	23.0	7.6	5.7	78	30.	--
FEB 04, 75	1035	3	.3	45000	19.3	8.3	6.9	88	35.	46
			1.5	45000	19.3	8.3	6.7	86	45.	--
			3.7	45000	19.3	8.2	6.6	85	80.	--
JUN 03, 75	1300	3	.3	52000	25.8	8.4	8.7	132	90.	720
			2.7	52000	25.1	8.2	8.8	131	65.	--
				LINE 287						
OCT 22, 74	1105	1	.3	47000	24.5	7.7	7.2	103	5.	102
			1.1	47000	24.5	7.7	7.3	104	25.	--
FEB 04, 75	1000	1	.6	48000	20.1	8.3	8.1	107	65.	71
JUN 03, 75	1155	1	.5	53000	26.1	8.2	10.9	168	325.	460
OCT 22, 74	1045	2	.3	47000	24.0	7.7	6.2	87	10.	114
			1.5	47000	24.0	7.7	6.2	87	5.	--
			3.0	47000	24.0	7.7	6.2	87	10.	--
			4.6	47000	24.0	7.8	6.2	87	10.	--
FEB 04, 75	0940	2	.3	48000	20.2	8.4	7.6	100	35.	50
			1.5	48000	20.2	8.4	7.8	103	55.	--
			3.0	48000	20.2	8.3	8.2	108	50.	--
			4.4	48000	20.1	8.3	8.2	108	45.	--
JUN 03, 75	1145	2	.3	52000	25.8	8.3	7.8	118	0.	160
			2.1	52000	25.7	8.3	9.0	136	5.	--
			4.0	52000	25.5	8.4	8.2	124	35.	--
OCT 22, 74	1030	4	.3	48000	23.5	7.8	6.4	89	10.	122
			1.5	48000	23.5	7.8	6.2	86	10.	--
			2.9	48000	23.5	7.8	6.4	89	5.	--
FEB 04, 75	0925	4	.3	49000	19.9	8.3	6.4	85	20.	39
			1.5	49000	19.6	8.2	6.7	88	--	--
			2.1	49000	19.9	8.2	6.6	88	50.	--

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE ESTUARY,

1975 WATER YEAR--CONTINUED

FIELD DETERMINATIONS

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS) (FIELD)	TEMPER-ATURE (DEG. C)	PH	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATUR-ATION	TUR-BIDITY (JTU)	TRANS-PARENCY SECCHI DISK (CM)
					LINE 287 CONTINUED					
JUN 03, 75	1130	4	.3	53000	26.0	8.3	8.2	126	15.	590
			2.1	54000	25.1	8.2	7.4	112	65.	--
					LINE 297					
OCT 22, 74	0950	2	.3	48000	23.5	7.9	5.6	78	30.	88
			1.5	48000	23.5	7.9	5.7	79	55.	--
			4.7	48000	23.2	7.8	5.4	75	70.	--
FEB 04, 75	1040	2	.3	49000	20.3	8.0	7.1	96	20.	77
			1.5	48000	20.3	8.0	7.3	97	60.	--
			3.0	40000	20.4	8.0	7.5	96	30.	--
			4.6	46000	20.4	8.0	7.3	96	30.	--
JUN 03, 75	1015	2	.3	53000	26.6	--	6.7	105	--	105
			1.5	53000	26.5	--	5.8	88	--	--
			3.7	53000	26.5	--	6.4	97	--	--
					LINE 301					
OCT 22, 74	0935	2	.3	48000	23.9	7.9	7.1	100	10.	116
			1.5	48000	23.9	7.9	7.0	99	10.	--
			3.0	48000	23.7	7.9	5.6	79	10.	--
			6.4	48000	23.7	7.9	5.6	79	20.	--
FEB 04, 75	1035	2	.3	48000	20.3	8.0	7.1	95	20.	25
			1.5	48000	20.2	8.0	7.1	93	20.	--
			3.0	48000	20.2	8.0	7.2	95	20.	--
			6.1	48000	20.1	7.9	7.4	97	20.	--
JUN 03, 75	1005	2	.3	52000	26.0	--	5.7	86	--	55
			1.5	52000	26.0	--	5.7	86	--	--
			3.0	52000	26.0	--	5.7	86	--	--
			4.6	52000	26.0	--	5.8	88	--	--
					LINE 313					
OCT 22, 74	1025	2	.3	48000	24.2	7.9	7.1	100	10.	113
			3.0	48000	24.0	7.9	7.0	99	10.	--
			6.1	48000	23.9	7.9	6.9	97	10.	--
			9.1	48000	23.8	7.9	6.2	87	55.	--
FEB 04, 75	1105	2	.3	46000	20.2	8.0	7.4	96	10.	83
			1.5	46000	20.2	8.0	7.4	96	15.	--
			3.0	46000	20.2	8.0	7.4	96	15.	--
			6.1	46000	20.2	7.9	7.4	96	15.	--
			8.8	48000	20.1	7.9	7.4	97	10.	--
JUN 03, 75	1030	2	.3	52000	26.4	--	6.1	92	--	114
			4.6	52000	26.1	--	5.8	88	--	--
			8.2	52000	26.0	--	4.8	73	--	--
					LINE 320					
OCT 22, 74	1150	2	.3	48000	25.0	7.7	4.9	71	0.	257
			3.0	48000	24.9	7.7	4.7	68	5.	--
			6.1	48000	24.9	7.7	4.4	64	5.	--
			9.1	48000	24.6	7.7	3.2	46	10.	--
			11.6	48000	24.4	7.7	2.5	36	20.	--
FEB 04, 75	1225	2	.3	45000	19.7	7.9	8.6	110	10.	153
			1.5	45000	19.5	7.9	7.8	100	5.	--
			3.0	45000	19.3	7.8	6.9	88	30.	--
			6.1	46000	19.2	7.8	6.4	81	10.	--
			9.1	46000	19.1	7.9	5.2	66	15.	--

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MAIRE 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 320 CONTINUED					
FEB 04, 75	1225	2	12.2	48000	19.1	7.9	6.3	81	30.	--
JUN 03, 75	1200	2	.3	49000	27.0	--	7.1	108	--	235
			1.5	50000	27.0	--	7.3	111	--	--
			3.0	50000	26.3	--	6.9	103	--	--
			4.6	51000	25.5	--	5.5	81	--	--
			6.1	51000	24.9	--	2.8	41	--	--
			7.6	52000	23.2	--	.0	0	--	--
			9.1	52000	22.4	--	.0	0	--	--
			10.7	54000	22.0	--	.0	0	--	--
					LINE 334					
OCT 22, 74	1130	2	.3	48000	23.8	7.5	4.0	56	10.	89
			1.5	48000	23.8	7.5	3.9	55	20.	--
			3.0	48000	23.8	7.5	3.8	54	40.	--
			6.1	48000	23.7	7.6	4.1	58	60.	--
			9.1	48000	23.7	7.6	4.7	66	10.	--
			11.7	48000	23.6	7.6	2.7	38	35.	--
FEB 04, 75	1205	2	.3	43000	19.8	7.9	7.2	92	10.	84
			1.5	43000	19.7	7.9	6.9	87	0.	--
			3.0	43000	19.4	7.9	6.5	82	0.	--
			6.1	43000	19.6	7.9	6.1	77	40.	--
			9.1	46000	19.6	7.9	5.9	76	10.	--
			12.2	46000	19.5	7.9	6.3	81	15.	--
JUN 03, 75	1140	2	.3	52000	26.4	--	5.7	86	--	130
			1.5	52000	26.4	--	5.8	88	--	--
			4.6	52000	26.0	--	5.5	83	--	--
			7.6	52000	25.0	--	2.7	40	--	--
			10.7	52000	23.0	--	.0	0	--	--
					LINE 343					
OCT 22, 74	1105	2	.3	48000	23.6	7.8	5.5	76	10.	84
			1.5	48000	23.5	7.8	5.7	79	5.	--
			3.0	48000	23.4	7.8	6.5	90	5.	--
			4.6	48000	23.4	7.7	5.7	79	10.	--
			6.1	48000	23.4	7.6	4.6	64	10.	--
			9.1	48000	23.3	7.6	4.1	57	10.	--
			11.9	48000	23.2	7.5	2.4	33	20.	--
FEB 04, 75	1255	2	.3	45000	20.1	7.9	8.0	104	10.	110
			1.5	45000	20.1	7.9	7.8	101	10.	--
			3.0	46000	19.9	7.9	7.3	95	30.	--
			6.1	46000	19.8	7.9	6.4	83	20.	--
			9.1	46000	19.7	7.9	5.8	74	55.	--
			12.2	46000	19.6	7.9	5.4	69	90.	--
JUN 03, 75	1110	2	.3	52000	26.1	--	5.1	77	--	165
			1.5	52000	26.0	--	4.9	74	--	--
			3.0	52000	26.0	--	5.6	85	--	--
			4.6	52000	26.0	--	5.7	86	--	--
			6.1	52000	25.4	--	4.6	69	--	--
			7.6	52000	25.0	--	4.2	63	--	--
			9.1	52000	25.0	--	2.4	36	--	--
			10.4	52000	24.0	--	.1	1	--	--
					LINE 351					
OCT 22, 74	1040	2	.3	48000	23.4	7.8	7.1	99	10.	104
			1.5	48000	23.4	7.8	7.0	97	20.	--
			3.0	48000	23.4	7.8	6.7	93	20.	--
			6.1	48000	23.4	7.8	6.1	85	20.	--
			9.1	48000	23.1	7.6	3.6	50	40.	--

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE 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 351 CONTINUED						
OCT 22, 74	1040	2	11.6	48000	23.1	7.6	3.8	53	70.	--	
FEB 04, 75	1125	2	.3	48000	20.2	7.9	7.9	104	10.	--	
			1.5	48000	20.2	7.9	7.7	101	10.	--	
			3.0	50000	20.2	7.9	7.5	100	10.	--	
			6.1	51000	20.1	7.9	6.9	92	40.	--	
			9.1	51000	19.8	7.9	6.0	80	10.	--	
			12.2	51000	20.1	7.9	6.8	91	5.	--	
JUN 03, 75	1040	2	.3	52000	26.0	--	6.7	102	--	175	
			1.5	53000	26.0	--	6.7	102	--	--	
			4.6	52000	25.9	--	6.5	98	--	--	
			6.1	53000	25.8	--	6.5	98	--	--	
			7.6	53000	25.8	--	6.3	95	--	--	
			9.1	53000	25.7	--	5.4	82	--	--	
			10.4	53000	25.1	--	4.5	68	--	--	
					LINE 370						
OCT 22, 74	0920	2	.3	48000	24.3	7.8	6.9	99	10.	151	
			1.5	48000	24.3	7.8	6.9	99	10.	--	
			3.0	48000	24.3	7.8	6.8	97	10.	--	
			6.1	48000	24.4	7.8	6.2	89	30.	--	
			11.3	48000	23.4	7.7	5.1	71	350.	--	
FEB 04, 75	0855	2	.3	48000	19.9	8.3	7.3	96	5.	67	
			3.0	48000	19.9	8.3	7.4	97	--	--	
			11.3	48000	19.8	8.3	7.6	100	--	--	
JUN 03, 75	0945	2	.3	52000	26.0	--	6.0	91	--	145	
			1.5	52000	26.0	--	6.0	91	--	--	
			3.0	52000	26.0	--	5.6	85	--	--	
			6.1	52000	26.0	--	6.0	91	--	--	
			10.4	53000	26.0	--	5.0	76	--	--	
					LINE 903						
FEB 04, 75	1525	90	1.5	47000	18.3	8.6	12.5	158	0.	812	
			9.1	47000	18.2	8.5	12.7	161	0.	--	
			15.8	46000	18.3	8.5	13.0	163	0.	--	
JUN 03, 75	1615	90	.6	49000	26.0	8.3	9.4	140	--	850	
			3.0	49000	26.0	8.3	9.6	143	0.	--	
			9.1	49000	25.8	8.3	13.0	194	0.	--	
			15.8	49000	25.5	8.5	12.5	184	0.	--	
OCT 22, 74	0930	95	.3	46000	24.0	7.9	6.5	93	--	--	
			6.1	50000	24.2	7.9	6.3	90	10.	--	
			12.2	50000	24.5	7.9	6.2	90	10.	--	
			16.8	50000	24.5	7.8	5.9	86	25.	--	
FEB 04, 75	0820	95	3.0	47000	18.4	8.2	8.2	104	--	800	
			17.1	48000	18.6	8.2	8.6	110	--	--	
JUN 03, 75	1045	95	.6	51000	25.1	8.3	9.5	140	--	750	
			4.6	51000	25.1	8.3	9.8	144	10.	--	
			10.7	51000	25.1	8.3	9.7	143	30.	--	
			16.8	52000	25.1	8.3	10.3	154	0.	--	
					LINE 910						
JUN 03, 75	1010	95	.6	50000	25.1	8.4	12.5	184	0.	610	
			3.0	51000	25.0	8.3	12.4	182	--	--	
			7.6	51000	25.0	8.2	11.9	175	--	--	
			15.2	52000	25.0	8.2	10.8	161	--	--	
			21.3	53000	23.5	8.2	10.9	156	--	--	

TABLE 9A--QUALITY OF WATER IN THE LAGUNA MADRE 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 91C CONTINUED												
JUN 03, 75	1010	95	24.4	54000	23.5	8.2	11.1	163	10.	--		

TABLE 58--QUALITY OF WATER IN THE LAGUNA MADRE 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 23						
OCT 23, 74	1615	3	.3	2.2	.01	.01	.00	--	.07	3.1	0	9.4
			5.8	2.5	.01	.01	.00	--	.07	2.7	0	5.6
FEB 05, 75	1715	3	.3	2.6	.00	.05	.00	--	.05	1.8	1	3.4
			5.8	--	.00	.06	.00	--	.06	1.8	0	--
JUN 04, 75	1620	3	.3	8.2	.00	.00	.02	--	.09	3.4	3	17.0
			5.5	8.6	.00	.00	.02	--	.16	5.8	3	19.0
						LINE 53						
OCT 23, 74	1515	1	.3	--	.00	.00	.00	--	.08	3.1	--	--
			1.7	--	.00	.00	.01	--	.08	3.5	--	--
FEB 05, 75	1530	2	.3	--	.00	.09	.00	--	.05	1.4	--	--
			4.4	--	.00	.14	.00	--	.06	1.6	--	--
						LINE 64						
OCT 23, 74	1110	2	.3	--	.00	.00	.01	--	.13	5.6	--	--
			1.7	--	.00	.00	.00	--	.14	7.4	--	--
FEB 05, 75	1410	2	.3	--	.00	.10	.00	--	.13	6.7	--	--
			1.2	--	.00	.11	.00	--	.15	6.9	--	--
JUN 04, 75	1350	2	.3	--	.01	.00	.00	--	.09	3.1	--	--
			1.5	--	.00	.01	.01	--	.10	3.3	--	--
						LINE 74						
OCT 23, 74	1140	2	.3	10.0	.00	.01	.00	--	.14	3.9	0	16.0
			1.5	--	.00	.01	.00	--	.17	4.4	--	--
JUN 04, 75	1155	2	.3	7.9	.00	.00	.01	--	.18	3.8	0	21.0
			1.5	8.0	.00	.00	.00	--	.27	4.1	--	--
FEB 05, 75	1340	3	.3	11.0	.08	.28	.07	--	.23	2.3	1	11.0
			1.5	--	.06	.25	.06	--	.23	2.0	--	--
						LINE 94						
OCT 23, 74	1300	2	.3	--	.00	.00	.00	--	.13	3.7	--	--
			1.5	--	.00	.00	.00	--	.14	3.9	--	--
FEB 05, 75	1250	2	.3	--	.07	.18	.02	--	.09	1.4	--	--
			1.5	--	.07	.18	.02	--	.09	1.4	--	--
JUN 04, 75	1305	2	.3	--	.03	.02	.01	--	.21	2.8	--	--
			1.2	--	.03	.03	.01	--	.20	3.1	--	--
						LINE 107						
OCT 23, 74	1350	2	.3	--	.01	.01	.00	--	.11	4.5	0	12.0
			2.4	--	.00	.01	.00	--	.11	4.2	--	--
FEB 05, 75	1210	2	.3	--	.02	.08	.01	--	.08	1.3	2	8.9
			2.4	--	.01	.11	.01	--	.30	3.1	--	--
JUN 04, 75	1415	2	.5	--	.04	.01	.04	--	.09	3.0	2	12.0
			1.8	--	.04	.01	.03	--	.11	2.9	--	--
						LINE 125						
OCT 23, 74	1405	3	.3	5.7	.00	.01	.00	--	.11	5.7	0	15.0

TABLE 98--QUALITY OF WATER IN THE LAGUNA MADRE 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 125 CONTINUED							
OCT 23, 74	1405	3	5.2	4.9	.00	.14	.01	--	.13	5.3	0	18.0
FEB 05, 75	1330	3	.3	4.2	.00	.00	.01	--	.05	2.8	5	11.0
			5.2	--	.00	.01	.00	--	.09	2.3	0	--
JUN 04, 75	1330	4	.3	4.3	.00	.05	.01	--	.06	2.0	3	13.0
			1.8	4.2	.00	.04	.01	--	.06	1.8	3	8.3
					LINE 163							
OCT 23, 74	1130	2	.3	3.5	.00	.02	.00	--	.08	3.6	--	--
			4.4	3.6	.00	.06	.01	--	.08	4.3	--	--
FEB 05, 75	0950	2	.3	4.3	.00	.01	.00	--	.06	2.1	--	--
			4.0	--	.00	.09	.01	--	.07	1.7	--	--
JUN 04, 75	1100	2	.3	--	.00	.00	.00	--	.04	1.4	--	--
			4.0	3.1	.00	.02	.01	--	.05	1.7	--	--
					LINE 188							
OCT 23, 74	1005	2	.3	--	.00	.00	.00	--	.06	3.7	0	13.0
			4.6	--	.00	.09	.01	--	.13	3.8	--	--
FEB 04, 75	1700	2	.3	--	.00	.04	.01	--	.07	3.4	2	9.4
			4.0	--	.00	.01	.00	--	.08	2.1	--	--
JUN 04, 75	0930	2	.3	--	.00	.00	.00	--	.05	2.4	0	9.4
			3.7	--	.00	.01	.01	--	.09	2.5	1	8.8
					LINE 194							
OCT 22, 74	1730	4	.3	--	.08	.01	.00	--	.08	4.6	0	5.6
			5.9	--	.01	.65	.00	--	.20	7.6	0	8.4
JUN 03, 75	1725	4	.3	--	.00	.01	.01	--	.07	3.0	0	16.0
			4.6	--	.00	.10	.01	--	.06	2.4	0	10.0
					LINE 217							
OCT 22, 74	1550	2	.3	--	.01	.01	.00	--	.09	5.0	0	13.0
			5.2	--	.00	.12	.01	--	.13	4.5	0	14.0
FEB 04, 75	1350	2	.3	--	.07	.11	.01	--	.07	2.0	1	5.9
			5.2	--	.03	.06	.00	--	.17	1.8	0	--
JUN 03, 75	1445	2	.3	--	.00	.00	.01	--	.06	2.3	5	10.0
			4.6	--	.00	.00	.01	--	.06	1.8	5	6.4
					LINE 223							
OCT 22, 74	1435	2	1.2	--	.61	.40	.04	--	.58	6.3	--	--
FEB 04, 75	1535	2	.3	25.0	1.60	1.30	.20	--	.96	5.8	19	9.6
			1.2	23.0	.90	.58	.10	--	.84	5.5	13	9.9
JUN 03, 75	1500	2	.3	19.0	2.40	.12	.12	--	.39	5.6	0	13.0
			1.2	18.0	2.20	.15	.11	--	.51	4.6	0	11.0
					LINE 233							
OCT 22, 74	1515	2	.3	--	.56	.03	.05	--	.38	9.3	4	7.6
FEB 04, 75	1615	2	4.9	11.0	.09	.53	.06	--	.35	2.9	--	--

TABLE 58--QUALITY OF WATER IN THE LAGUNA MADRE 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 247						
OCT 22, 74	1600	2	.3	--	.12	.15	.03	--	.27	6.3	0	7.8
			4.6	--	.00	.84	.00	--	.24	6.1	0	11.0
FEB 04, 75	1700	2	.3	--	.84	.22	.08	--	.32	4.3	0	20.0
			4.9	--	.09	.40	.02	--	.31	3.3	0	11.0
JUN 03, 75	1610	2	.3	--	2.80	.01	.18	--	.15	8.2	0	12.0
			4.3	--	.02	.43	.01	--	.22	4.6	0	3.4
						LINE 263						
OCT 22, 74	1250	2	.3	--	.00	.01	.01	--	.06	2.7	0	12.0
			4.6	--	.00	.02	.01	--	.08	2.4	0	7.4
FEB 04, 75	1200	2	.3	--	.19	.17	.02	--	.12	3.1	1	6.4
			4.3	--	.07	.16	.01	--	.10	2.1	0	--
JUN 03, 75	1400	2	.3	--	.10	.00	.01	--	.08	2.3	0	8.1
			4.3	--	.04	.11	.01	--	.24	2.0	8	32.0
						LINE 274						
OCT 22, 74	1210	1	.3	--	.00	.01	.01	--	.04	2.0	0	8.4
			1.1	--	.00	.01	.00	--	.05	2.2	--	--
FEB 04, 75	1110	1	.9	--	.00	.05	.00	--	.05	1.4	0	8.1
JUN 03, 75	1315	1	.3	--	.00	.00	.01	--	.04	1.1	0	3.9
						LINE 287						
OCT 22, 74	1105	1	.3	1.3	.01	.00	.00	--	.04	2.0	--	--
			1.1	--	.01	.00	.00	--	.13	3.0	--	--
FEB 04, 75	1000	1	.6	1.2	.00	.02	.00	--	.05	1.2	--	--
JUN 03, 75	1155	1	.5	2.1	.00	.01	.01	--	.27	1.2	--	12.0
OCT 22, 74	1030	4	.3	--	.00	.01	.01	--	.04	2.2	2	3.0
			2.9	--	.00	.01	.01	--	.06	2.1	0	4.7
FEB 04, 75	0925	4	.3	--	.01	.08	.00	--	.11	1.5	0	12.0
			2.1	--	.00	.09	.00	--	.07	1.2	0	--
JUN 03, 75	1130	4	.3	--	.00	.00	.01	--	.05	1.1	10	11.0
			2.1	--	.00	.03	.01	--	.13	1.0	11	--
						LINE 297						
OCT 22, 74	0950	2	.3	--	.00	.02	.01	--	.06	2.2	0	10.0
			4.7	--	.00	.05	.01	--	.08	2.3	2	13.0
FEB 04, 75	1040	2	.3	--	.00	.05	.00	--	.07	1.4	0	4.3
			4.6	--	.00	.01	.00	--	.08	1.1	1	5.8
JUN 03, 75	1015	2	.3	--	.00	.01	.01	--	.04	1.3	1	13.0
			3.7	--	.00	.04	.01	--	.07	1.2	0	8.4
						LINE 320						
OCT 22, 74	1150	2	.3	--	.01	.10	.02	--	.09	2.4	2	8.9

TABLE 9B--QUALITY OF WATER IN THE LAGUNA MADRE 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 320 CONTINUED						
OCT 22, 74	1150	2	11.6	2.2	.00	.17	.01	--	.11	2.3	4	14.0
FEB 04, 75	1225	2	.3	.6	.00	.07	.01	--	.08	2.2	3	4.2
			12.2	1.2	.02	.07	.02	--	.23	1.0	1	7.5
JUN 03, 75	1200	2	.3	.1	.00	.18	.01	--	.04	1.3	0	--
			10.7	4.4	.01	.24	.05	--	.15	1.3	0	2.6
						LINE 351						
OCT 22, 74	1040	2	.3	--	.00	.02	.01	--	.06	2.1	2	11.0
			11.6	--	.00	.07	.01	--	.33	2.4	0	3.2
FEB 04, 75	1125	2	.3	--	.00	.12	.01	--	.07	1.5	3	4.7
			12.2	--	.01	.07	.01	--	.34	1.1	0	3.8
JUN 03, 75	1040	2	.3	--	.00	.03	.01	--	.04	1.3	0	7.9
			10.4	--	.00	.07	.01	--	.06	1.3	0	6.8
						LINE 370						
OCT 22, 74	0920	2	.3	--	.01	.01	.01	--	.04	1.8	--	--
			11.3	--	.00	.10	.01	--	.74	2.7	--	--
FEB 04, 75	0855	2	.3	--	.00	.00	.00	--	.05	1.6	--	--
			11.3	--	.00	.01	.00	--	.07	1.5	--	--
JUN 03, 75	0945	2	.3	--	.00	.00	.01	--	.04	1.0	--	2.7
			10.4	--	.00	.05	.01	--	.08	1.1	--	--
						LINE 903						
FEB 04, 75	1525	90	1.5	--	.00	.09	.00	--	.04	1.0	0	7.3
			15.8	--	.01	.09	.00	--	.04	1.2	0	--
JUN 03, 75	1615	90	.6	--	.00	.00	.00	--	.03	1.0	0	14.0
			15.8	--	.00	.01	.01	--	.04	.9	5	6.9
OCT 22, 74	0930	95	.3	1.1	.02	.01	.00	--	.05	2.1	--	--
			16.8	--	.00	.01	.01	--	.05	1.9	2	11.0
FEB 04, 75	0820	95	3.0	--	.00	.06	.00	--	.04	1.5	0	2.2
			17.1	.5	.01	.08	.00	--	.07	1.4	0	7.2
JUN 03, 75	1045	95	.6	.1	.00	.00	.01	--	.04	.7	0	8.2
			16.8	.1	.01	.00	.00	--	.04	1.1	7	3.0
						LINE 910						
JUN 03, 75	1010	95	.6	--	.00	.00	.01	--	.03	1.1	--	--
			24.4	--	.00	.00	.01	--	.06	.9	--	--

TABLE 9C--QUALITY OF WATER IN THE LAGUNA MADRE 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 23						
OCT 23, 74	1615	3	.3	46200	380.0	1100.0	9200	380.0	159	2300	17000	30400
			5.8	46200	380.0	860.0	9900	380.0	162	2300	17000	30900
FEB 05, 75	1715	3	.3	41100	370.0	1000.0	8500	360.0	167	2000	15000	27300
			5.8	40800	--	--	--	--	--	--	--	--
JUN 04, 75	1620	3	.3	59700	510.0	1300.0	13000	470.0	183	3100	22000	40500
			5.5	60900	520.0	1400.0	13000	470.0	184	3100	23000	41600
						LINE 53						
OCT 23, 74	1515	1	.3	61500	--	--	--	--	--	--	--	--
			1.7	62900	--	--	--	--	--	--	--	--
FEB 05, 75	1530	2	.3	47800	--	--	--	--	--	--	--	--
			4.4	48500	--	--	--	--	--	--	--	--
						LINE 64						
OCT 23, 74	1110	2	.3	55900	--	--	--	--	--	--	--	--
			1.7	55700	--	--	--	--	--	--	--	--
FEB 05, 75	1410	2	.3	55000	--	--	--	--	--	--	--	--
			1.2	38200	--	--	--	--	--	--	--	--
JUN 04, 75	1350	2	.3	64900	--	--	--	--	--	--	--	--
			1.5	65000	--	--	--	--	--	--	--	--
						LINE 74						
OCT 23, 74	1140	2	.3	52900	450.0	1300.0	10000	420.0	150	3000	19000	34300
			1.5	53500	--	--	--	--	--	--	--	--
JUN 04, 75	1155	2	.3	65400	630.0	1400.0	15000	500.0	178	3500	25000	46100
			1.5	66600	610.0	1400.0	15000	500.0	179	3500	25000	46100
FEB 05, 75	1340	3	.3	52700	530.0	1300.0	11000	420.0	172	2500	19000	34800
			1.5	52500	--	--	--	--	--	--	--	--
						LINE 94						
OCT 23, 74	1300	2	.3	59500	--	--	--	--	--	--	--	--
			1.5	59300	--	--	--	--	--	--	--	--
FEB 05, 75	1250	2	.3	52800	--	--	--	--	--	--	--	--
			1.5	53200	--	--	--	--	--	--	--	--
JUN 04, 75	1305	2	.3	63800	--	--	--	--	--	--	--	--
			1.2	63600	--	--	--	--	--	--	--	--
						LINE 107						
OCT 23, 74	1350	2	.3	61800	--	--	--	--	--	--	--	--
			2.4	62800	--	--	--	--	--	--	--	--
FEB 05, 75	1210	2	.3	50700	--	--	--	--	--	--	--	--
			2.4	50200	--	--	--	--	--	--	--	--
JUN 04, 75	1415	2	.5	62400	--	--	--	--	--	--	--	--
			1.8	62400	--	--	--	--	--	--	--	--
						LINE 125						
OCT 23, 74	1405	3	.3	67900	540.0	1700.0	14000	580.0	174	3700	26000	46600

TABLE 9C--QUALITY OF WATER IN THE LAGUNA MAIRE 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 125 CONTINUED						
OCT 23, 74	1405	3	5.2	69400	590.0	1300.0	15000	600.0	172	3800	27000	48400
FEB 05, 75	1330	3	.3	49300	470.0	1300.0	11000	430.0	180	2700	20000	36000
			5.2	49300	--	--	--	--	--	--	--	--
JUN 04, 75	1330	4	.3	55000	470.0	1300.0	12000	430.0	146	3500	20000	37800
			1.8	54400	480.0	1400.0	12000	420.0	147	2700	21000	38100
						LINE 163						
OCT 23, 74	1130	2	.3	56800	450.0	1500.0	12000	500.0	145	3200	22000	39700
			4.4	60300	530.0	1500.0	13000	520.0	148	3200	23000	41800
FEB 05, 75	0950	2	.3	47600	470.0	1200.0	11000	430.0	319	2700	19000	35000
			4.0	47100	--	--	--	--	--	--	--	--
JUN 04, 75	1100	2	.3	41800	--	--	--	--	--	--	--	--
			4.0	44200	380.0	1000.0	9400	350.0	131	2400	16000	29600
						LINE 188						
OCT 23, 74	1005	2	.3	48800	--	--	--	--	--	--	--	--
			4.6	61300	--	--	--	--	--	--	--	--
FEB 04, 75	1700	2	.3	47800	--	--	--	--	--	--	--	--
			4.0	50400	--	--	--	--	--	--	--	--
JUN 04, 75	0930	2	.3	48500	--	--	--	--	--	--	--	--
			3.7	48500	--	--	--	--	--	--	--	--
						LINE 194						
OCT 22, 74	1730	4	.3	40800	--	--	--	--	--	--	--	--
			5.9	57300	--	--	--	--	--	--	--	--
JUN 03, 75	1725	4	.3	44300	--	--	--	--	--	--	--	--
			4.6	48500	--	--	--	--	--	--	--	--
						LINE 217						
OCT 22, 74	1550	2	.3	29400	--	--	--	--	--	--	--	--
			5.2	36600	--	--	--	--	--	--	--	--
FEB 04, 75	1350	2	.3	42100	--	--	--	--	--	--	--	--
			5.2	42500	--	--	--	--	--	--	--	--
JUN 03, 75	1445	2	.3	47600	--	--	--	--	--	--	--	--
			4.6	47400	--	--	--	--	--	--	--	--
						LINE 223						
OCT 22, 74	1435	2	1.2	4380	--	--	--	--	--	--	--	--
FEB 04, 75	1535	2	.3	5380	260.0	130.0	920	18.0	298	910	1300	3710
			1.2	5370	280.0	140.0	850	16.0	293	930	1300	3680
JUN 03, 75	1500	2	.3	3890	170.0	79.0	560	12.0	161	640	810	2370
			1.2	3760	160.0	74.0	560	11.0	146	630	790	2320
						LINE 233						
OCT 22, 74	1515	2	.3	9160	--	--	--	--	--	--	--	--
FEB 04, 75	1615	2	4.9	34200	400.0	890.0	7000	270.0	240	2200	13000	23900

TABLE 9C--QUALITY OF WATER IN THE LAGUNA MADRE 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 247						
OCT 22, 74	1600	2	.3	16800	--	--	--	--	--	--	--	--
			4.6	35000	--	--	--	--	--	--	--	--
FEB 04, 75	1700	2	.3	20300	--	--	--	--	--	--	--	--
			4.9	42400	--	--	--	--	--	--	--	--
JUN 03, 75	1610	2	.3	11400	--	--	--	--	--	--	--	--
			4.3	46000	--	--	--	--	--	--	--	--
						LINE 263						
OCT 22, 74	1250	2	.3	35500	--	--	--	--	--	--	--	--
			4.6	36400	--	--	--	--	--	--	--	--
FEB 04, 75	1200	2	.3	41800	--	--	--	--	--	--	--	--
			4.3	44100	--	--	--	--	--	--	--	--
JUN 03, 75	1400	2	.3	39800	--	--	--	--	--	--	--	--
						LINE 274						
OCT 22, 74	1210	1	.3	46700	--	--	--	--	--	--	--	--
			1.1	47000	--	--	--	--	--	--	--	--
FEB 04, 75	1110	1	.3	45700	--	--	--	--	--	--	--	--
JUN 03, 75	1315	1	.3	48600	--	--	--	--	--	--	--	--
						LINE 287						
OCT 22, 74	1105	1	.3	47200	370.0	870.0	9500	440.0	146	2300	17000	30600
			1.1	47300	--	--	--	--	--	--	--	--
FEB 04, 75	1000	1	.6	48500	350.0	1200.0	10000	410.0	155	2400	18000	32400
JUN 03, 75	1155	1	.5	53300	400.0	1100.0	11000	410.0	150	2500	19000	34500
OCT 22, 74	1030	4	.3	47600	--	--	--	--	--	--	--	--
			2.9	47900	--	--	--	--	--	--	--	--
FEB 04, 75	0925	4	.3	48300	--	--	--	--	--	--	--	--
			2.1	48400	--	--	--	--	--	--	--	--
JUN 03, 75	1130	4	.3	53300	--	--	--	--	--	--	--	--
			2.1	53400	--	--	--	--	--	--	--	--
						LINE 297						
OCT 22, 74	0950	2	.3	47900	--	--	--	--	--	--	--	--
			4.7	48000	--	--	--	--	--	--	--	--
FEB 04, 75	1040	2	.3	48700	--	--	--	--	--	--	--	--
			4.6	48800	--	--	--	--	--	--	--	--
JUN 03, 75	1015	2	.3	53300	--	--	--	--	--	--	--	--
			3.7	52900	--	--	--	--	--	--	--	--
						LINE 320						
OCT 22, 74	1150	2	.3	48400	--	--	--	--	--	--	--	--
			11.6	48400	370.0	1200.0	9500	450.0	160	2500	17000	31100

TABLE 9C--QUALITY OF WATER IN THE LAGUNA MADRE 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 32C CONTINUED												
FEB 04, 75	1225	2	.3	45500	380.0	1100.0	9600	390.0	168	2200	16000	29800
			12.2	49400	400.0	1300.0	10000	420.0	156	2400	18000	32600
JUN 03, 75	1200	2	.3	49100	410.0	1100.0	10000	360.0	152	2500	17000	31400
			10.7	53700	390.0	1200.0	11000	430.0	162	2600	19000	34700
LINE 35I												
OCT 22, 74	1040	2	.3	48000	--	--	--	--	--	--	--	--
			11.6	48200	--	--	--	--	--	--	--	--
FEB 04, 75	1125	2	.3	48300	--	--	--	--	--	--	--	--
			12.2	50900	--	--	--	--	--	--	--	--
JUN 03, 75	1040	2	.3	52400	--	--	--	--	--	--	--	--
			10.4	53400	--	--	--	--	--	--	--	--
LINE 37D												
OCT 22, 74	0920	2	.3	48000	--	--	--	--	--	--	--	--
			11.3	48300	--	--	--	--	--	--	--	--
FEB 04, 75	0855	2	.3	49200	--	--	--	--	--	--	--	--
			11.3	49300	--	--	--	--	--	--	--	--
JUN 03, 75	0945	2	.3	52100	--	--	--	--	--	--	--	--
			10.4	52900	--	--	--	--	--	--	--	--
LINE 903												
FEB 04, 75	1525	90	1.5	47800	--	--	--	--	--	--	--	--
			15.8	47900	--	--	--	--	--	--	--	--
JUN 03, 75	1615	90	.6	48700	--	--	--	--	--	--	--	--
			15.8	49200	--	--	--	--	--	--	--	--
OCT 22, 74	0930	95	.3	45500	360.0	1000.0	8900	410.0	146	2200	16000	28900
			16.8	50000	--	--	--	--	--	--	--	--
FEB 04, 75	0820	95	3.0	47200	--	--	--	--	--	--	--	--
			17.1	48600	400.0	1200.0	10000	400.0	150	2600	18000	32700
JUN 03, 75	1045	95	.6	50600	370.0	1100.0	11000	380.0	146	2600	18000	33500
			16.8	51700	380.0	1100.0	11000	390.0	148	2500	19000	34400
LINE 91D												
JUN 03, 75	1610	95	.6	50200	--	--	--	--	--	--	--	--
			24.4	53700	--	--	--	--	--	--	--	--

TABLE 50--QUALITY OF WATER IN THE LAGUNA MADRE ESTUARY,

1975 WATER YEAR

SELECTED ICNS 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 23					
OCT 23, 74	1615	3	.3	30	3	--	--	0	--	--	--
FEB 05, 75	1715	3	.3	--	--	--	--	--	--	--	1.4
JUN 04, 75	1620	3	.3	--	--	--	--	--	--	--	1.8
			5.5	--	--	--	--	--	--	--	1.8
						LINE 53					
OCT 23, 74	1515	1	.3	20	2	3	--	0	0	--	--
						LINE 74					
OCT 23, 74	1140	2	.3	30	10	12	--	0	0	--	--
JUN 04, 75	1155	2	.3	--	--	--	--	--	--	--	2.1
			1.5	--	--	--	--	--	--	--	2.1
FEB 05, 75	1340	3	.3	--	--	--	--	--	--	--	2.2
						LINE 107					
OCT 23, 74	1350	2	.3	50	3	7	--	0	0	--	--
						LINE 125					
OCT 23, 74	1405	3	.3	50	4	--	--	0	--	--	--
FEB 05, 75	1330	3	.3	--	--	--	--	--	--	--	1.8
JUN 04, 75	1330	4	.3	--	--	--	--	--	--	--	1.9
			1.8	--	--	--	--	--	--	--	1.6
						LINE 163					
OCT 23, 74	1130	2	.3	40	1	2	--	0	0	--	--
FEB 05, 75	0950	2	.3	--	--	--	--	--	--	--	1.9
JUN 04, 75	1100	2	4.0	--	--	--	--	--	--	--	1.3
						LINE 188					
OCT 23, 74	1005	2	.3	30	3	--	--	0	--	--	--
						LINE 217					
OCT 22, 74	1550	2	.3	70	1	--	--	1	--	--	--
						LINE 223					
OCT 22, 74	1435	2	1.2	40	7	9	--	0	--	--	--
FEB 04, 75	1535	2	.3	--	--	--	--	--	--	--	1.1
			1.2	--	--	--	--	--	--	--	1.1
JUN 03, 75	1500	2	.3	--	--	--	--	--	--	--	.9
			1.2	--	--	--	--	--	--	--	.8

TABLE 9D--QUALITY OF WATER IN THE LAGUNA MADRE 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 CAL-MIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	BOTTOM DEPOSIT CADMIUM (CD) (UG/GM)	DIS-SOLVED FLUORIDE (F) (MG/L)
						LINE 233					
FEB 04, 75	1615	2	4.9	--	--	--	--	--	--	--	1.5
						LINE 247					
OCT 22, 74	1600	2	.3	40	6	--	--	0	--	--	--
						LINE 263					
OCT 22, 74	1250	2	.3	30	3	3	--	0	0	--	--
						LINE 274					
OCT 22, 74	1210	1	.3	50	1	--	--	0	--	--	--
						LINE 287					
FEB 04, 75	1000	1	.6	--	--	--	--	--	--	--	1.6
JUN 03, 75	1155	1	.5	--	--	--	--	--	--	--	1.5
						LINE 320					
OCT 22, 74	1150	2	.3	40	3	2	--	0	0	--	--
			11.6	30	3	--	--	0	--	--	--
FEB 04, 75	1225	2	.3	--	--	--	--	--	--	--	1.5
			12.2	--	--	--	--	--	--	--	1.6
JUN 03, 75	1200	2	.3	--	--	--	--	--	--	--	1.4
			10.7	--	--	--	--	--	--	--	1.5
						LINE 351					
OCT 22, 74	1040	2	.3	360	0	--	--	3	--	--	--
						LINE 903					
OCT 22, 74	0930	95	.3	30	0	--	--	0	--	--	--
			16.8	20	1	--	--	0	--	--	--
FEB 04, 75	0820	95	17.1	--	--	--	--	--	--	--	1.6
JUN 03, 75	1045	95	.6	--	--	--	--	--	--	--	1.7
			16.8	--	--	--	--	--	--	--	1.7

TABLE 9D--QUALITY OF WATER IN THE LAGUNA MADRE 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 23					
OCT 23, 74	1615	3	.3	.00	--	0	--	--	10	--	--
						LINE 53					
OCT 23, 74	1515	1	.3	.00	60.00	0	0	--	8	13.0	--
						LINE 74					
OCT 23, 74	1140	2	.3	.00	70.00	0	0	--	15	17.0	--
						LINE 107					
OCT 23, 74	1350	2	.3	.00	80.00	0	3	--	10	14.0	--
						LINE 125					
OCT 23, 74	1405	3	.3	.00	--	0	--	--	9	--	--
						LINE 163					
OCT 23, 74	1130	2	.3	2.00	70.00	0	3	--	6	8.0	--
						LINE 188					
OCT 23, 74	1005	2	.3	3.00	--	0	--	--	6	--	--
						LINE 217					
OCT 22, 74	1550	2	.3	.00	--	0	--	--	6	--	--
						LINE 223					
OCT 22, 74	1435	2	1.2	.00	--	0	--	--	6	--	--
						LINE 247					
OCT 22, 74	1600	2	.3	1.00	--	0	--	--	7	--	--
						LINE 263					
OCT 22, 74	1250	2	.3	.00	30.00	1	0	--	6	5.0	--
						LINE 274					
OCT 22, 74	1210	1	.3	.00	--	0	--	--	4	--	--
						LINE 320					
OCT 22, 74	1150	2	.3	.00	50.00	1	3	--	12	11.0	--
			11.6	2.00	--	0	--	--	8	--	--
						LINE 351					
OCT 22, 74	1040	2	.3	3.00	--	0	--	--	4	--	--

TABLE 9D--QUALITY OF WATER IN THE LAGUNA MADRE 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 903					
OCT 22, 74	0930	95	.3	1.00	--	0	--	--	6	--	--
			16.8	1.00	--	0	--	--	6	--	--

TABLE 9D--QUALITY OF WATER IN THE LAGUNA MADRE 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 23					
OCT 23, 74	1615	3	.3	--	--	120	--	--	2	--	--
						LINE 53					
OCT 23, 74	1515	1	.3	--	--	180	310	--	2	3	--
						LINE 74					
OCT 23, 74	1140	2	.3	--	--	170	690	--	3	10	--
						LINE 107					
OCT 23, 74	1350	2	.3	--	--	180	740	--	3	8	--
						LINE 125					
OCT 23, 74	1405	3	.3	--	--	200	--	--	2	--	--
						LINE 163					
OCT 23, 74	1130	2	.3	--	--	160	480	--	2	9	--
						LINE 188					
OCT 23, 74	1005	2	.3	--	--	130	--	--	3	--	--
						LINE 217					
OCT 22, 74	1550	2	.3	--	--	80	--	--	3	--	--
						LINE 223					
OCT 22, 74	1435	2	1.2	--	--	10	--	--	0	--	--
						LINE 247					
OCT 22, 74	1600	2	.3	--	--	40	--	--	0	--	--
						LINE 263					
OCT 22, 74	1250	2	.3	--	--	100	610	--	6	7	--
						LINE 274					
OCT 22, 74	1210	1	.3	--	--	130	--	--	0	--	--
						LINE 320					
OCT 22, 74	1150	2	.3	--	--	130	220	--	4	7	--
			11.6	--	--	120	--	--	5	--	--
						LINE 351					
OCT 22, 74	1040	2	.3	--	--	140	--	--	53	--	--

TABLE 90--QUALITY OF WATER IN THE LAGUNA MADRE 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 903					
OCT 22, 74	0930	95	.3	--	--	110	--	--	0	--	--
			16.8	--	--	120	--	--	0	--	--

TABLE 9D--QUALITY OF WATER IN THE LAGUNA MADRE ESTUARY,

1975 WATER YEAR--CONTINUED

SELECTED IONS ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	DIS-SOLVED LITH-IUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	BOTTOM DEPOSIT MAN-GANESE (MN) (UG/GM)	DIS-SOLVED MER-CURY (HG) (UG/L)	TOTAL MER-CURY (HG) (UG/L)	BOTTOM DEPOSIT MER-CURY (HG) (UG/GM)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)
						LINE 23						
OCT 23, 74	1615	3	.3	140	82	--	--	.3	--	--	3	5600
						LINE 53						
OCT 23, 74	1515	1	.3	180	120	150	--	.4	.6	--	2	6300
						LINE 74						
OCT 23, 74	1140	2	.3	200	110	130	--	.3	.3	--	1	10000
						LINE 107						
OCT 23, 74	1350	2	.3	200	120	150	--	.4	.4	--	1	8000
						LINE 125						
OCT 23, 74	1405	3	.3	200	130	--	--	.2	--	--	1	7200
						LINE 163						
OCT 23, 74	1130	2	.3	170	200	150	--	.2	.5	--	1	6500
						LINE 188						
OCT 23, 74	1005	2	.3	150	71	--	--	.1	--	--	1	6200
						LINE 217						
OCT 22, 74	1550	2	.3	140	35	--	--	.0	--	--	3	5700
						LINE 223						
OCT 22, 74	1435	2	1.2	130	71	--	--	.2	--	--	4	4700
						LINE 247						
OCT 22, 74	1600	2	.3	130	12	--	--	.1	--	--	3	6400
						LINE 263						
OCT 22, 74	1250	2	.3	130	47	82	--	.3	.4	--	1	5500
						LINE 279						
OCT 22, 74	1210	1	.3	130	71	--	--	.3	--	--	3	5300
						LINE 320						
OCT 22, 74	1150	2	.3	140	82	130	--	.4	.5	--	3	5700
			11.6	140	110	--	--	.3	--	--	3	5600
						LINE 351						
OCT 22, 74	1040	2	.3	130	82	--	--	.3	--	--	3	5300

TABLE 90--QUALITY OF WATER IN THE LAGUNA MADRE 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 903						
OCT 22, 74	0930	95	.3	130	59	--	--	.3	--	--	0	6500
			16.8	130	82	--	--	.1	--	--	3	7100

TABLE 50--QUALITY OF WATER IN THE LAGUNA MADRE 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 23
OCT 23, 74	1615	3	.3	70	--	--
						LINE 53
OCT 23, 74	1515	1	.3	60	70	--
						LINE 74
OCT 23, 74	1140	2	.3	80	70	--
						LINE 107
OCT 23, 74	1350	2	.3	70	80	--
						LINE 125
OCT 23, 74	1405	3	.3	80	--	--
						LINE 163
OCT 23, 74	1130	2	.3	70	60	--
						LINE 188
OCT 23, 74	1005	2	.3	80	--	--
						LINE 217
OCT 22, 74	1550	2	.3	40	--	--
						LINE 223
OCT 22, 74	1435	2	1.2	30	--	--
						LINE 247
OCT 22, 74	1600	2	.3	40	--	--
						LINE 263
OCT 22, 74	1250	2	.3	40	60	--
						LINE 274
OCT 22, 74	1210	1	.3	60	--	--
						LINE 320
OCT 22, 74	1150	2	.3	60	60	--
			11.6	60	--	--
						LINE 351
OCT 22, 74	1040	2	.3	50	--	--

TABLE 90--QUALITY OF WATER IN THE LAGUNA MADRE 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 903
OCT 22, 74	0930	95	.3	60	--	--
			16.8	80	--	--

TABLE 9E--QUALITY OF WATER IN THE LAGUNA MADRE 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 DDE (UG/L)	BOTTOM DEPOSIT DDD (UG/KG)	TOTAL DDE (UG/L)	BOTTOM DEPOSIT DDE (UG/KG)
						LINE 53					
OCT 23, 74	1515	1	.3	.00	--	.0	--	.00	--	.00	--
			1.7	--	.0	--	.0	--	.0	--	.0
						LINE 74					
OCT 23, 74	1140	2	.3	.00	--	.0	--	.00	--	.00	--
			1.5	--	.0	--	.0	--	.0	--	1.3
						LINE 107					
OCT 23, 74	1350	2	2.4	--	.0	--	.0	--	.0	--	.4
						LINE 125					
OCT 23, 74	1405	3	.3	.00	--	.0	--	.00	--	.00	--
						LINE 217					
OCT 22, 74	1550	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 223					
OCT 22, 74	1435	2	.3	.00	--	.1	--	.00	--	.01	--
						LINE 247					
OCT 22, 74	1600	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 263					
OCT 22, 74	1250	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 320					
OCT 22, 74	1150	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 351					
OCT 22, 74	1040	2	.3	.00	--	.0	--	.00	--	.00	--
						LINE 903					
OCT 22, 74	0930	95	.3	.00	--	.0	--	.00	--	.00	--

TABLE 9E--QLALITY OF WATER IN THE LAGUNA MALRE 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 DIELDRIN (UG/L)	BOTTOM DEPOSIT DIELDRIN (UG/KG)	TOTAL ENDRIN (UG/L)	BOTTOM DEPOSIT ENDRIN (UG/KG)	TOTAL HEPTACHLOR (UG/L)	BOTTOM DEPOSIT HEPTACHLOR (UG/KG)
						LINE 53					
OCT 23, 74	1515	1	.3	.00	--	.00	--	.00	--	.00	--
			1.7	--	.0	--	.0	--	.0	--	.0
						LINE 74					
OCT 23, 74	1140	2	.3	.00	--	.00	--	.00	--	.00	--
			1.5	--	.0	--	.0	--	.0	--	.0
						LINE 107					
OCT 23, 74	1350	2	2.4	--	.0	--	.0	--	.0	--	.0
						LINE 125					
OCT 23, 74	1405	3	.3	.00	--	.00	--	.00	--	.00	--
						LINE 217					
OCT 22, 74	1550	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 223					
OCT 22, 74	1435	2	.3	.00	--	.02	--	.00	--	.00	--
						LINE 247					
OCT 22, 74	1600	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 263					
OCT 22, 74	1250	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 320					
OCT 22, 74	1150	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 351					
OCT 22, 74	1040	2	.3	.00	--	.00	--	.00	--	.00	--
						LINE 903					
OCT 22, 74	0930	95	.3	.00	--	.00	--	.00	--	.00	--

TABLE 9E--QUALITY OF WATER IN THE LAGUNA MADRE ESTUARY,

1975 WATER YEAR--CONTINUED

INSECTICIDE AND HERBICIDE ANALYSES

DATE OF COLLECTION	TIME	SITE	DEPTH (METERS)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	BOTTOM DEPOSIT HEPTACHLOR EPOXIDE (UG/KG)	TOTAL LINDANE (UG/L)	BOTTOM DEPOSIT LINDANE (UG/KG)	TOTAL PARATHION (UG/L)	TOTAL METHYL PARATHION (UG/L)	TOTAL MALATHION (UG/L)	TOTAL DIAZINON (UG/L)
						LINE 53					
OCT 23, 74	1515	1	.3	.00	--	.00	--	.00	.00	.00	.00
			1.7	--	.0	--	.0	--	--	--	--
						LINE 74					
OCT 23, 74	1140	2	.3	.00	--	.00	--	.00	.00	.00	.00
			1.5	--	.0	--	.0	--	--	--	--
						LINE 107					
OCT 23, 74	1350	2	2.4	--	.0	--	.0	--	--	--	--
						LINE 125					
OCT 23, 74	1405	3	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 217					
OCT 22, 74	1550	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 223					
OCT 22, 74	1435	2	.3	.00	--	.01	--	.00	.02	.02	.03
						LINE 247					
OCT 22, 74	1600	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 263					
OCT 22, 74	1250	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 320					
OCT 22, 74	1150	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 351					
OCT 22, 74	1040	2	.3	.00	--	.00	--	.00	.00	.00	.00
						LINE 903					
OCT 22, 74	0930	95	.3	.00	--	.00	--	.00	.00	.00	.00

TABLE 5E--QUALITY OF WATER IN THE LAGUNA MADRE 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 23					
OCT 23, 74	1615	3	.3	--	--	.00	--	.00	--	.00	--
						LINE 53					
OCT 23, 74	1515	1	.3	.0	--	.00	--	.00	--	.00	--
			1.7	--	.0	--	.0	--	.0	--	.0
						LINE 74					
OCT 23, 74	1140	2	.3	.0	--	.01	--	.01	--	.00	--
			1.5	--	.0	--	.0	--	.0	--	.0
						LINE 107					
OCT 23, 74	1350	2	.3	--	--	.00	--	.00	--	.00	--
			2.4	--	.0	--	.0	--	.0	--	.0
						LINE 125					
OCT 23, 74	1405	3	.3	.0	--	.01	--	.00	--	.00	--
						LINE 163					
OCT 23, 74	1130	2	.3	--	--	.00	--	.00	--	.00	--
						LINE 188					
OCT 23, 74	1005	2	.3	--	--	.00	--	.00	--	.00	--
						LINE 217					
OCT 22, 74	1550	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 223					
OCT 22, 74	1435	2	.3	.0	--	.00	--	.01	--	.00	--
						LINE 247					
OCT 22, 74	1600	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 263					
OCT 22, 74	1250	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 274					
OCT 22, 74	1210	1	.3	--	--	.00	--	.00	--	.00	--
						LINE 320					
OCT 22, 74	1150	2	.3	.0	--	.00	--	.00	--	.00	--
						LINE 351					
OCT 22, 74	1040	2	.3	.0	--	.00	--	.00	--	.00	--

TABLE 9E--QUALITY OF WATER IN THE LAGUNA MADRE 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 903					
OCT 22, 74	0930	95	.3	.0	--	.00	--	.00	--	.00	--

TABLE 9E--QUALITY OF WATER IN THE LAGUNA MADRE 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 53					
OCT 23, 74	1515	1	.3	.0	--	--	--	--	--	--	--
			1.7	--	0.	--	--	--	--	--	--
						LINE 74					
OCT 23, 74	1140	2	.3	.0	--	--	--	--	--	--	--
			1.5	--	0.	--	--	--	--	--	--
						LINE 107					
OCT 23, 74	1350	2	2.4	--	0.	--	--	--	--	--	--
						LINE 125					
OCT 23, 74	1405	3	.3	.0	--	--	--	--	--	--	--
						LINE 217					
OCT 22, 74	1550	2	.3	.0	--	--	--	--	--	--	--
						LINE 223					
OCT 22, 74	1435	2	.3	.0	--	--	--	--	--	--	--
						LINE 247					
OCT 22, 74	1600	2	.3	.0	--	--	--	--	--	--	--
						LINE 263					
OCT 22, 74	1250	2	.3	.0	--	--	--	--	--	--	--
						LINE 320					
OCT 22, 74	1150	2	.3	.0	--	--	--	--	--	--	--
						LINE 351					
OCT 22, 74	1040	2	.3	.0	--	--	--	--	--	--	--
						LINE 903					
OCT 22, 74	0930	55	.3	.0	--	--	--	--	--	--	--

TABLE 9F--QUALITY OF WATER IN THE LAGUNA MADRE 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 23	
OCT 23, 74	1615	3	.3	8	1	18	.10
JUN 04, 75	1620	3	.3	--	2	6	3.60
						LINE 53	
OCT 23, 74	1515	1	.3	0	0	0	--
						LINE 74	
OCT 23, 74	1140	2	.3	0	0	2	.70
JUN 04, 75	1155	2	.3	0	0	0	2.10
						LINE 107	
OCT 23, 74	1350	2	.3	0	0	2	3.90
JUN 04, 75	1415	2	.5	2	0	0	--
						LINE 125	
OCT 23, 74	1405	3	.3	10	0	0	6.50
JUN 04, 75	1330	4	.3	0	0	0	.10
						LINE 163	
OCT 23, 74	1130	2	.3	0	2	0	.40
JUN 04, 75	1100	2	.3	8	1	5	.70
						LINE 188	
OCT 23, 74	1005	2	.3	0	0	1	.60
JUN 04, 75	0930	2	.3	0	0	0	2.10
						LINE 194	
OCT 22, 74	1730	4	.3	12	10	0	--
JUN 03, 75	1725	4	.3	100	0	0	--
						LINE 217	
OCT 22, 74	1550	2	.3	5	4	6	8.40
JUN 03, 75	1445	2	.3	0	0	0	--
						LINE 223	
OCT 22, 74	1435	2	.3	--	*	1100	8.10
FEB 04, 75	1535	2	.3	--	--	--	21.00

* - TOO NUMEROUS TO COUNT

TABLE 9F--QUALITY OF WATER IN THE LAGUNA MADRE 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 223 CONTINUED			
JUN 03, 75	1500	2	.3	--	*	650	4.20
				LINE 233			
OCT 22, 74	1515	2	.3	170	48	58	36.00
FEB 04, 75	1615	2	.3	--	*	650	8.10
				LINE 247			
OCT 22, 74	1600	2	.3	260	84	77	2.70
FEB 04, 75	1700	2	.3	--	--	--	3.80
JUN 03, 75	1610	2	.3	--	12	14	7.60
				LINE 263			
OCT 22, 74	1250	2	.3	1	1	7	2.30
JUN 03, 75	1400	2	.3	0	0	0	4.20
				LINE 274			
OCT 22, 74	1210	1	.3	--	--	--	.80
JUN 03, 75	1315	1	.3	--	--	--	.00
				LINE 287			
OCT 22, 74	1030	4	.3	--	49	11	--
JUN 03, 75	1130	4	.3	12	7	2	--
				LINE 297			
OCT 22, 74	0950	2	.3	--	120	47	.40
JUN 03, 75	1015	2	.3	12	13	4	1.50
				LINE 320			
OCT 22, 74	1150	2	.3	23	22	2	2.10
JUN 03, 75	1200	2	.3	4	0	0	.90
				LINE 351			
OCT 22, 74	1040	2	.3	4	4	9	.10
JUN 03, 75	1040	2	.3	1	0	0	.80
				LINE 903			
JUN 03, 75	1615	90	.6	1	8	0	--
OCT 22, 74	0930	95	.3	69	36	4	.40

* - TOO NUMEROUS TO COUNT

TABLE 9F--QUALITY OF WATER IN THE LAGUNA MADRE 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 9C3 CONTINUED			
JUN 03, 75	1045	95	.3	10	1	0	--
			.6	10	1	0	.40

Climatological Records

The climate of the region has a significant influence on the quality of the water in the estuaries. The types of climatological data available for a 60-mile- (97-km-) wide band along the Texas Coast are shown on Figure 11.

Tabulations of daily precipitation, air temperature, and other data are published monthly; and monthly summaries are published annually by the Environmental Science Services Administration in the series titled "Climatological Data-Texas." For the period 1931-60, monthly and annual data are summarized in two U.S. Weather Bureau publications (1958, 1965).

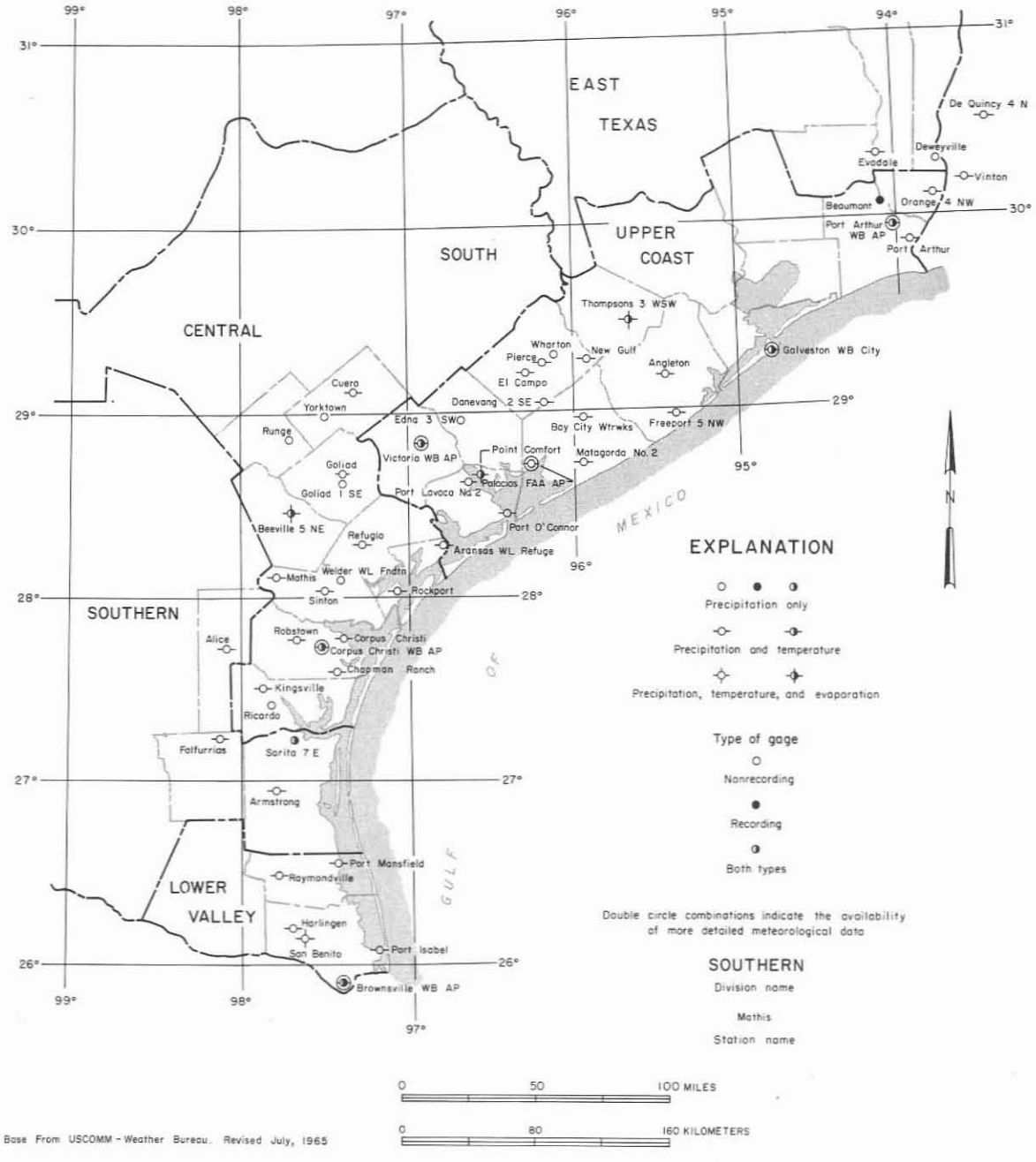

Figure 11.—Locations of Selected Climatological Stations

Streamflow and Water-Quality Records

Streams along the Texas Coast flow across the flat coastal plain and are incised below sea level. Thus, changes in water stage within the bays are often reflected for many miles up the tributary streams. Consequently, the farthest downstream sites at which continuous streamflow data can be obtained are located many miles upstream from the principal estuaries. The locations of the sites[1] at which continuous streamflow and daily water-quality data are available are shown on Figure 12.

[1] Station numbers greater than 300 are abbreviated from the U.S. Geological Survey numbering system. For example, the two station numbers 08041500 and 08162650, in abbreviated form become 415 and 1626.5.

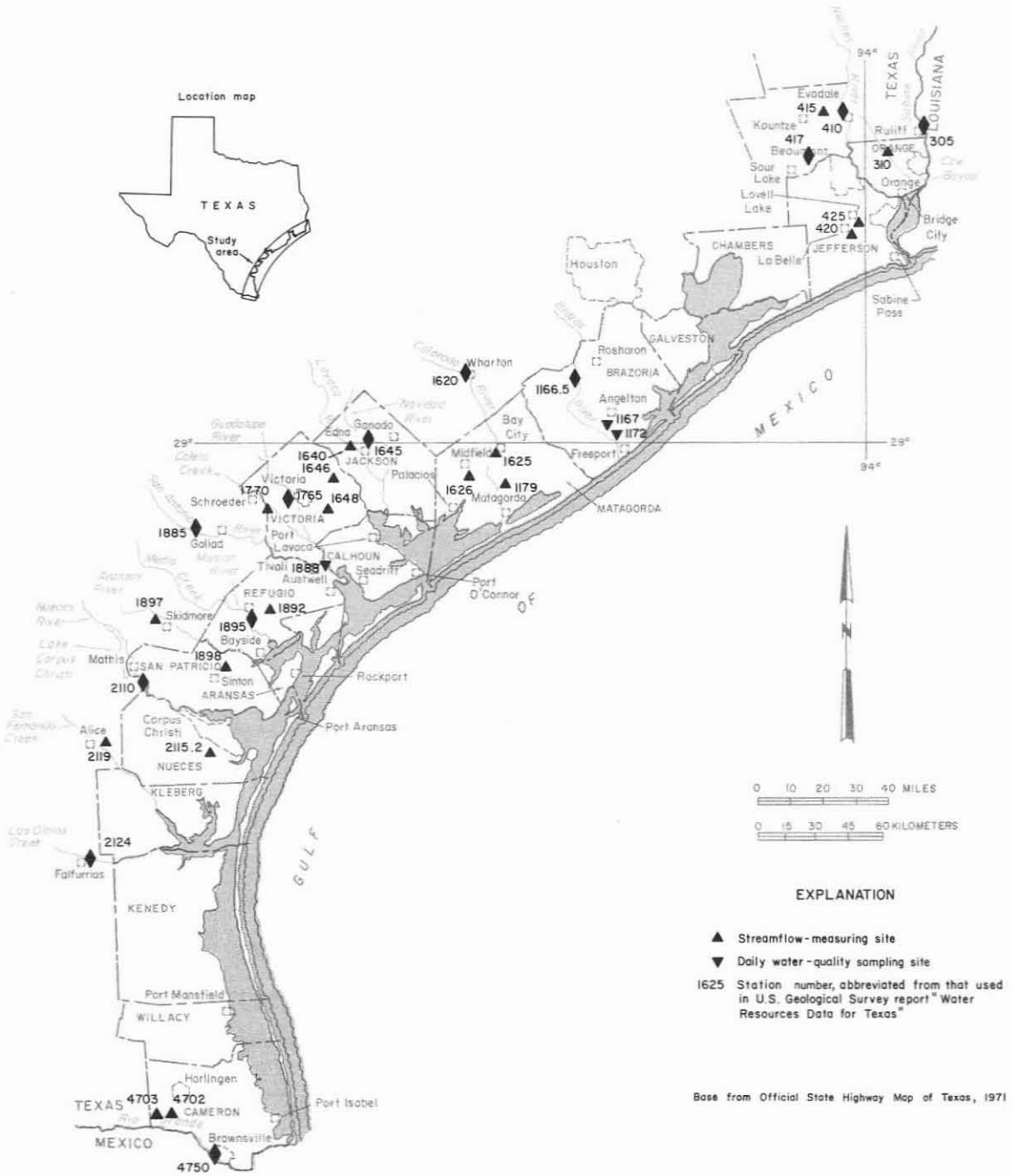

Figure 12.—Locations of Streamflow-Measuring Sites and Daily Water-Quality Data-Collection Sites

The streamflow data for these sites represent runoff reaching the coastal area, but do not describe all of the flow from streams that enter the estuaries. Intervening drainage, diversion for irrigation, return flows, and evapotranspiration may influence streamflow between the measuring site and the estuaries.

Analyses of water collected daily at streamflow-measuring sites show the effect of geology and cultural development on runoff from the drainage basins. At times, however, return flows, evapotranspiration, and lack of significant upstream flow result in altered water quality between the data-collection site and the estuary.

Drainage areas from which unmeasured runoff enters the estuaries range from less than 100 square miles (259 km^2) to more than 10,000 square miles (25,900 km^2). Periodic measurements indicate that during some seasons, unmeasured runoff that reaches the estuaries exceeds measure flow from the major tributaries.

To completely describe the quality and quantity of runoff from the entire area between continuous-streamflow stations and the estuaries is not feasible; however, representative data are collected periodically at the sites shown on Figure 13.

Both continuous- and periodic-streamflow and chemical-quality data are published annually in the U.S. Geological Survey series Water Resources Data for Texas (1975).

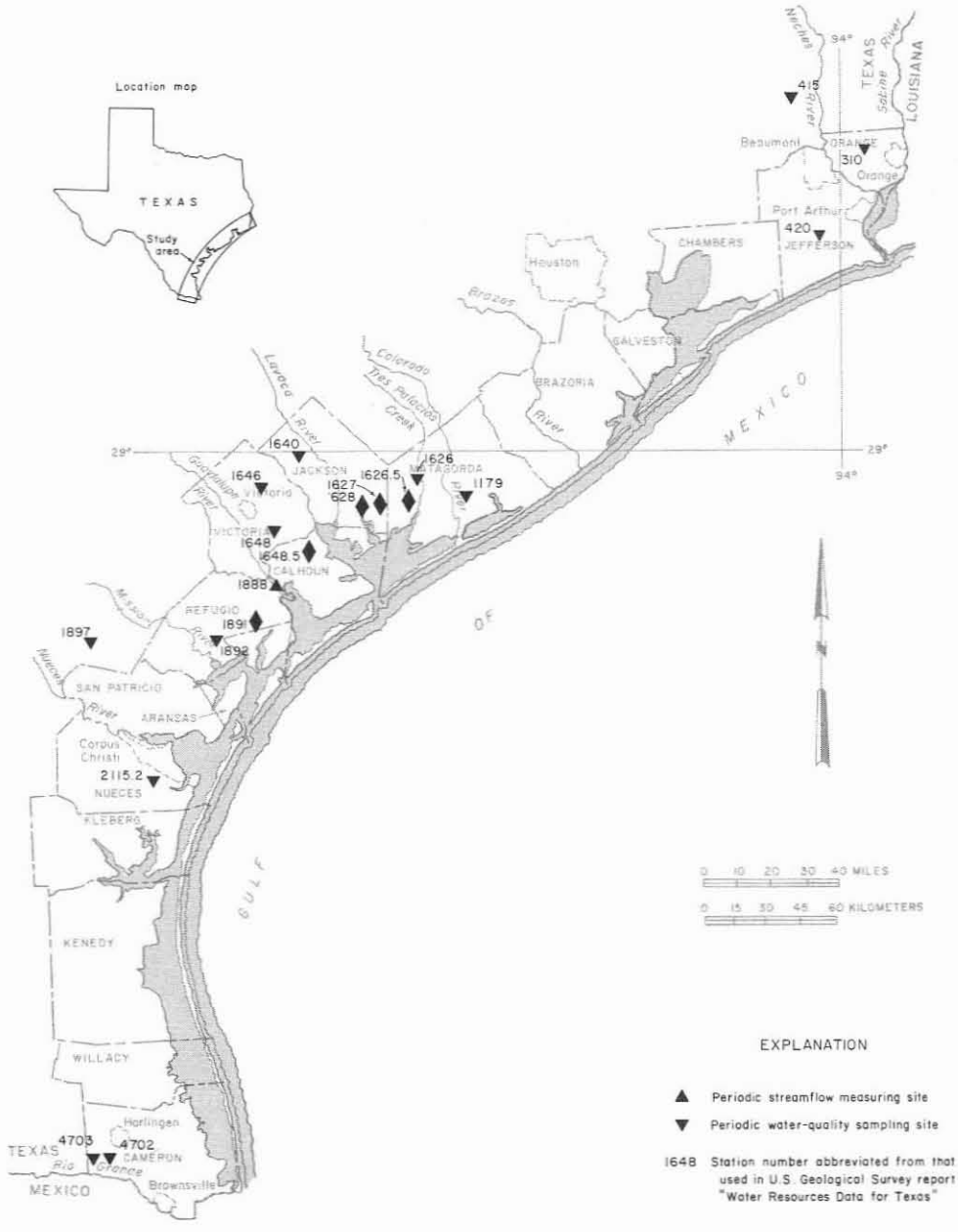

Figure 13

Location of Selected Water-Quality and Streamflow Data-Collection Sites

Base from Official State Highway Map of Texas, 1971

REFERENCES CITED

American Public Health Association, American Water Works Association, Water Pollution Control Federation, 1971, Standard methods for the examination of water and wastewater: Am. Public Health Assoc., 13th ed., 874 p.

Grozier, R. U., and others, 1968, Floods from Hurricane Beulah in South Texas and Northeastern Mexico, September-October 1967: Texas Water Devel. Board Rept. 83, 195 p.

Hahl, D. C., and Ratzlaff, K. W., 1970, Chemical and physical characteristics of water in estuaries of Texas, September 1967-September 1968: Texas Water Devel. Board Rept. 117, 91 p.

_____1972, Chemical and physical characteristics of water in estuaries of Texas, October 1968-September 1969: Texas Water Devel. Board Rept. 144, 161 p.

_____1973, Chemical and physical characteristics of water in estuaries of Texas, October 1969-September 1970: Texas Water Devel. Board Rept. 171, 123 p.

_____1975, Chemical and physical characteristics of water in estuaries of Texas, October 1970-September 1971: Texas Water Devel. Board Rept. 191, 153 p.

Lauff, G. H., ed., 1967, Estuaries: Washington, D.C., Am. Assoc. Adv. Sci., 757 p.

Lind, W. B., and Ratzlaff, K. W., 1979, Chemical and physical characteristics of water in estuaries of Texas, October 1973-September 1974: Texas Dept. Water Resources Rept. 231, 217 p.

Ratzlaff, K. W., 1976, Chemical and physical characteristics of water in estuaries of Texas, October 1971-September 1973: Texas Water Devel. Board Rept. 208, 348 p.

U.S. Geological Survey, 1975, Water resources data for Texas: U.S. Geo. Survey Rept. TX-75-1, 3 vols.

U.S. Weather Bureau, 1958, Climatic summary of the United States-supplement for 1931 through 1952, Texas: Climatography of the United States No. 11-36, U.S. Dept. of Commerce, 147 p.

_____1965, Climatic summary of the United States-supplement for 1951 through 1960, Texas: Climatography of the United States No. 86-36, U.S. Dept. of Commerce, 198 p.

Texas Water Development Board, 1968, The Texas Water Plan: Texas Water Devel. Board, 215 p.