ENVIRONMENTAL CONTAMINANTS

EVALUATION OF

ST. ANDREW BAY, FLORIDA

Volume 2
Tables and Databases

Tables:
Sediment Analyses
Biotic Samples and Analyses
Dioxin and Furan Compounds Analyses

Sediment Chemical Databases:
Metals
Organochlorine Chemicals
Polycyclic Aromatic Hydrocarbons
Aliphatic Hydrocarbons

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Panama City Field Office
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Scoring and Ranking of Sediment Stations

Evaluation of the data for each sediment sample included an estimate of the total potential biological effects resulting from the presence of many individual chemicals. For this report, sediment stations were ranked to compare relative amounts of chemicals at the different station locations. This was done only for those chemicals for which sediment quality guidelines exist, i.e., 9 trace metals, total PCBs, 2 pesticides and 13 polynuclear aromatic hydrocarbons (**Long et al. 1995**). The system consisted of counting 1 point for each chemical concentration that exceeded the Effects Range Low (ERL) value but fell below the Effects Range Median (ERM) value (i.e within the *possible* effects range), and counting 2 points for each concentration that was above the ERM value (i.e. within the *probable* effects range). The counts for all chemicals detected within the sample were then summed for each sample collected at each station. The station/samples were sorted by ranking the total scores in descending order from greatest probable effects to least , or no, effect. Some stations have more than one total score. These represent the scores for several subsamples taken at the same station in Watson Bayou or several other locations.

Finally, to allow the use of some type of descriptors within the text, four groupings were used to describe the total number of chemicals in a sample having concentrations that exceeded the ERL or ERM sediment quality guidelines. The groupings are as follows and range from no known biological effects to probable biological effects.

Level 1 = Score of 0
Level 2 = Score of 1 - 2
Level 3 = Score of 3 - 4
Level 4 = Score of 5 or above

Level 4 stations have concentrations of several chemicals exceeding sediment quality guidelines. At these stations, adverse biological effects probably frequently occur. Level 1 stations had no concentrations detected that would indicate any potential for adverse biological effects.

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List of Abbreviations

AH	aliphatic hydrocarbon
BCMPL	Bay County Military Point Lagoon
DL	detection limit for chemical analysisy
DW or dw	dry weight
ERL	effects range - low
ERM	effects range - median
gm	gram
ML	Martin Lake
ug/g	micrograms per gram (ppm)
mm	millimeter
ng/g	nanograms per gram (ppb)
ND or nd	non detect
PAH	polycyclic aromatic hydrocarbon
pg/g	picograms per gram (ppt)
PCB	polychlorinated biphenyl
PPB or ppb	parts per billion
PPM or ppm	parts per million
PPT or ppt	parts per trillion
OC	organochlorine pesticide
SAB	St. Andrew Bay
St	station
TCDD	tetrachlorodibenzo-*p*-dioxin
TEQ	toxicity equivalent concentration
WB	Watson Bayou
WW or ww	wet weight
<	less than
>	greater than

Table 1. Scoring and ranking of samples for all chemicals at all stations in St. Andrew Bay.

Stat. No.	Other ID	Geographical Name	Metals Count	PAHs Count	OCs Count	All Chem Sum Total
Level 4						
38	WB-1B	Watson Bayou, Lake Van Vac	8	14	4	26
39	WB-2A	Watson Bayou, u. Long Cove	3	13	6	22
39	WB-2C	Watson Bayou, u. Long Cove	5	12	4	21
43	WB-6B	Watson Bayou, Bay Mar.& Ship	6	11	4	21
95	ML2-PO	Martin Lk E of hwy 98 bridge	6	15	0	21
99	MB-1	SAB, Massalina Bayou upper	8	8	4	20
40	WB-3A	Watson Bayou, l. Long Cove	7	7	6	20
39	WB-2B	Watson Bayou, u. Long Cove	7	8	4	19
40	WB-3B	Watson Bayou, l. Long Cove	5	9	4	18
100	MB-2	SAB, Massalina Bayou middle	8	5	4	17
2	MB-3	SAB, Massalina Bayou lower	5	6	4	15
43	WB-6A	Watson Bayou, Bay Mar.& Ship	4	5	4	13
45	WB-8C	Watson Bayou, P.C. STP	9	1	2	12
47	WB-10C	SAB, south of paper mill	2	8	2	12
38	WB-1C	Watson Bayou, Lake Van Vac	4	6	2	12
89	SC2-PO	SAB, S of paper mill	1	5	6	12
2	SABS-2	SAB, Massalina Bayou lower	5	2	4	11
41	WB-4C	Watson Bayou, E. Mar. Const.	4	5	2	11
91	SC4-PO	SAB, S of paper mill	2	9	0	11
49	ML-1A	Martin Lake, S of Cherry St.	0	11	0	11
49	ML-1B	Martin Lake, S of Cherry St.	0	11	0	11
38	WB-1A	Watson Bayou, Lake Van Vac	3	4	4	11
40	WB-3C	Watson Bayou, l. Long Cove	5	4	2	11
66	A15-C	SAB, NNE of Smack Bayou mouth	2	5	4	25
93	SC6-PO	SAB, S of paper mill	0	10	0	10
47	WB-10B	SAB, south of paper mill	2	6	2	10
43	WB-6C	Watson Bayou, Bay Mar.& Ship	6	1	3	10
88	SC1-PO	SAB, S of paper mill	3	6	0	9
47	WB-10A	SAB, south of paper mill	3	2	4	9
92	SC5-PO	SAB, S of paper mill	1	6	2	9
45	WB-8A	Watson Bayou, P.C. STP	4	1	4	9
41	WB-4B	Watson Bayou, E. Mar. Const.	3	4	2	9
102	RB-2	N. Bay Robinson Bayou middle	1	3	4	8
46	WB-9A	Watson Bayou, N. of Hwy 98	3	1	4	8
3	SABS-3	Pearl Bayou	3	0	4	7
98	LKH	SAB, Lake Huntington middle	2	1	4	7
67	A16-A	SAB, bayou SW of Military Pt	3	0	4	7
46	WB-9C	Watson Bayou, N. of Hwy 98	5	0	2	7
46	WB-9B	Watson Bayou, N. of Hwy 98	5	0	2	7
42	WB-5A	Watson Bayou, E. Mar. Repair	2	1	4	7
39	WB-2	Watson Bayou, u. Long Cove	0	3	4	7
44	WB-7B	Watson Bayou, Hill Petroleum	5	0	2	7

Table 1 continued next page

Table 1 continued. Scoring and ranking of samples for all chemicals at all stations in St. Andrew Bay.

Stat. No.	Other ID	Geographical Name	Metals Count	PAHs Count	OCs Count	All Chem Sum Total
Level 4						
48	WB-11	Watson B, 100 yds N of mouth	1	3	2	6
94	SC7-PO	SAB, S of paper mill	1	5	0	6
41	WB-4A	Watson Bayou, E. Mar. Const.	1	1	4	6
90	SC3-PO	SAB, S of paper mill	2	4	0	6
4	SABS-4	Freshwater Bayou	2	0	3	5
Level 3						
14	SABS-14	Port Panama City, west	1	1	2	4
22	SABN-1	N. Bay, Robinson Bayou	1	0	3	4
8	SABS-8	Treasure Ship Marina	0	0	4	4
44	WB-7C	Watson Bayou, Hill Petroleum	4	0	0	4
21	SABE-5	E. Bay, Shoal Point Bayou	0	0	4	4
16	SABS-16	Bay Point Marina	3	0	1	4
101	RB-1	N. Bay Robinson Bayou middle	0	0	4	4
33	SABN-12	N. Bay, Poston Bayou	0	0	4	4
96	NwB-1	N. Bay, Newman Bayou middle	0	0	4	4
77	C2-A	SAB, E of St. Andrew Marina	1	0	2	3
42	WB-5C	Watson Bayou, E. Mar. Repair	1	0	2	3
58	A10-A	SAB, SE of Town Pt.	2	1	0	3
1	SABS-1	So. of Panama City Marina	0	2	1	3
12	SABS-12	St. Andrew Marina	0	0	3	3
9	SABS-9	Captain Anderson's Marina	0	0	3	3
17	SABE-1	E. Bay, Callaway Bayou	0	0	3	3
68	A17-A	inside mouth of Smack Bayou	0	0	3	3
85	E2-B	E. Bay, E of QG 17ft "45"	2	1	0	3
49	ML-1C	Martin Lake, S of Cherry St.	0	3	0	3
Level 2						
15	SABS-15	Alligator Bayou (Navy Lab)	0	0	2	2
62	A13-A	SAB, Bunkers Cove	2	0	0	2
7	SABS-7	upper Grand Lagoon	0	0	2	2
61	A12-B	SAB, SW of Town Pt.	2	0	0	2
57	A9-C	SAB, SE of fl rd "24"	2	0	0	2
55	A9-A	SAB, SE of Town Pt,	2	0	0	2
63	A13-B	SAB, E of Redfish Pt.	1	1	0	2
50	A2-A	SAB, SW of Donaldson Pt.	2	0	0	2
79	C3-A	SAB, SW of Lake Huntington	1	1	0	2
54	A6-B	SAB, NW of Military Pt.	2	0	0	2
84	E2-A	E. Bay, NE of QG 17ft "45"	0	2	0	2
20	SABE-4	E. Bay, Little Cedar Bayou	0	0	2	2
53	A6-A	SAB, NW of Military Pt.	2	0	0	2

Table 1 continued next page

Table 1 continued. Scoring and ranking of samples for all chemicals at all stations in St. Andrew Bay.

Stat. No.	Other ID	Geographical Name	Metals Count	PAHs Count	OCs Count	All Chem Sum Total
Level 2						
83	E1-A	E. Bay, NE of QG 17ft "43"	1	0	0	1
45	WB-8B	Watson Bayou, P.C. STP	1	0	0	1
44	WB-7A	Watson Bayou, Hill Petroleum	1	0	0	1
42	WB-5B	Watson Bayou, E. Mar. Repair	1	0	0	1
23	SABN-2	N. Bay, Goose Bayou	0	0	1	1
60	A12-A	SAB, SW of Town Pt.	1	0	0	1
65	A15-B	SAB, E of Redfish Pt.	1	0	0	1
70	B2-B	SAB, SE of qk fl "15" nav lt	1	0	0	1
69	B2-A	SAB, SE of qk fl "15" nav lt	1	0	0	1
75	B6-B	SAB, NW of Redfish Pt.	1	0	0	1
76	B6-C	SAB, NNW of Redfish Pt.	1	0	0	1
32	SABN-11	N. Bay, below Deer Pt. Dam	1	0	0	1
72	B3-B	SAB, S of qk fl "15" nav. lt	1	0	0	1
59	A11-A	SAB, S of Town Pt.	0	1	0	1
82	D3-B	SAB NNE of Spanish Shanty Pt	1	0	0	1
71	B3-A	SAB, S of qk fl "15" nav. lt	1	0	0	1
78	C2-B	SAB, N or Courtney Pt.	1	0	0	1
80	C3-B	SAB, NE of bl C "13" nav mkr	0	1	0	1
Level 1						
26	SABN-5	N. Bay, Beatty Bayou	0	0	0	0
25	SABN-4	N. Bay, Lynn Haven Bayou	0	0	0	0
30	SABN-9	N. Bay, Alligator Bayou	0	0	0	0
27	SABN-6	N. Bay, Fanning Bayou	0	0	0	0
31	SABN-10	N. Bay, Mud Bayou	0	0	0	0
86	E3-A	E. Bay, N of QG 17ft "45"	0	0	0	0
11	SABS-11	black can "5" nav. marker	0	0	0	0
13	PCPT-So	Port Panama City, South	0	0	0	0
51	A2-B	SAB, SW of Donaldson Pt.	0	0	0	0
81	D3-A	SAB, 2000 yd WNW TAFB Ycht Clb	0	0	0	0
56	A9-B	SAB, SE of Town Pt.	0	0	0	0
74	B6-A	SAB, E of qk fl G 17ft "3"	0	0	0	0
64	A15-A	SAB, NE of Redfish Pt.	0	0	0	0
6	SABS-6	N of ctr of Shell Island	0	0	0	0
13	SABS-13	Port Panama City, south	0	0	0	0
10	SABS-10	lower Grand Lagoon channel	0	0	0	0
52	A5-A	SAB, NW of Military Pt.	0	0	0	0
37	SABW-4	W. Bay, Botheration Bayou	0	0	0	0
73	B4-A	SAB, SW of Davis Point	0	0	0	0
28	SABN-7	N. Bay, fl rd "6" nav. lt.	0	0	0	0
87	E5-A	E. Bay, SE of Dupont Bridge	0	0	0	0
35	SABW-2	W. Bay, bl C "3" nav. mark.	0	0	0	0

Table 1 continued next page

Table 1 continued. Scoring and ranking[1] of samples for all chemicals at all stations in St. Andrew Bay.

Stat. No.	Other ID	Geographical Name	Metals Count	PAHs Count	OCs Count	All Chem Sum Total
Level 1						
34	SABW-1	W. Bay, Warren Bayou	0	0	0	0
29	SABN-8	N. Bay, so. of West Bay Pt.	0	0	0	0
36	SABW-3	W. Bay, Burnt Mill Creek	0	0	0	0
5	SABS-5	"15" quick flash nav. light	0	0	0	0
19	SABE-3	E. Bay, qk fl "43" nav. lt.	0	0	0	0
18	SABE-2	E. Bay, Eastern Marine	0	0	0	0
103	NvL-1	SAB, outer end, Navy channel	0	0	0	0
24	SABN-3	N. Bay, Upper Goose Bayou	0	0	0	0

Table 2. Metal detection limits, and concentration ranges (Min./Max.) for 105 sediment stations in St. Andrew Bay, Florida. Numbers within [ ] indicate the station number at which the minimum or maximum metal concentration was observed, or the number of stations at which the minimum or maximum value occurred [n=].

Metal	Detection Limit(s) (ppm/dw)	Minimum (ppm/dw)	Maximum (ppm/dw)
Aluminum (Al)	3	302 [10]	52,300 [83]
Arsenic (As)	0.05 - 0.20	0.25 [10]	8 [47]
Barium (Ba)	0.06 - 0.10	1 [n=5]	179 [14]
Beryllium (Be)	0.007 - 0.1	<0.007 [10]	1.6 [83]
Boron (B)	1 - 2	1 [10]	150 [39]
Cadmium	0.1 - 0.3	<0.1 [n=25]	2 [39]
Chromium (Cr)	0.5 - 1.0	<0.5 [37]	160 [16]
Copper (Cu)	0.2 - 0.3	1 [n=5]	251 [2]
Iron (Fe)	2 - 20	241 [10]	29,900 [83]
Lead (Pb)	2 - 5	<2 [n=5]	370 [99]
Magnesium (Mg)	2	440 [n=24]	69,300 [39]
Manganese (Mn)	0.7 - 0.8	1 [10]	467 [85]
Molybdenum (Mo)	0.4 - 3.0	<0.4 [10]	10 [67]
Mercury (Hg)	0.01 - 0.05	0.03 [73]	1.88 [100]
Nickel (Ni)	0.7 - 2.0	<0.7 [20]	75 [16]
Selenium (Se)	0.1 - 0.2	0.1 [n=2]	2 [99]
Silver (Ag)	0.1 - 2.0	<0.1-<2 [n=89]	4.4 [44]
Strontium (Sr)	0.1	6 [37]	355 [39]
Thallium (Tl)	4 - 20	<4-<20 [n=100]	7 [37]
Vanadium (V)	0.3 - 0.5	1 [10]	154 [37]
Zinc (Zn)	0.1 - 1.0	<0.1 [37]	468 [39]

Table 3. All stations in St. Andrew Bay scored and ranked for metals.

Stat. #	Other ID	Geographical Name	ERL-M	>ERM	Total
Level 4					
45	WB-8C	Watson Bayou, P.C. STP	5	2	9
100	MB-2	SAB, Massalina Bayou middle	4	2	8
99	MB-1	SAB, Massalina Bayou upper	4	2	8
38	WB-1B	Watson Bayou, Lake Van Vac	6	1	8
40	WB-3A	Watson Bayou, l. Long Cove	7	0	7
39	WB-2B	Watson Bayou, u. Long Cove	5	1	7
43	WB-6C	Watson Bayou, Bay Mar.& Ship	6	0	6
43	WB-6B	Watson Bayou, Bay Mar.& Ship	4	1	6
95	ML2-PO	Martin Lk E of hwy 98 bridge	6	0	6
46	WB-9C	Watson Bayou, N. of Hwy 98	5	0	5
44	WB-7B	Watson Bayou, Hill Petroleum	5	0	5
2	MB-3	SAB, Massalina Bayou lower	3	1	5
2	SABS-2	SAB, Massalina Bayou lower	5	0	5
40	WB-3C	Watson Bayou, l. Long Cove	3	1	5
39	WB-2C	Watson Bayou, u. Long Cove	5	0	5
46	WB-9B	Watson Bayou, N. of Hwy 98	5	0	5
40	WB-3B	Watson Bayou, l. Long Cove	3	1	5
Level 3					
43	WB-6A	Watson Bayou, Bay Mar.& Ship	4	0	4
45	WB-8A	Watson Bayou, P.C. STP	4	0	4
41	WB-4C	Watson Bayou, E. Mar. Const.	4	0	4
38	WB-1C	Watson Bayou, Lake Van Vac	4	0	4
44	WB-7C	Watson Bayou, Hill Petroleum	2	1	4
46	WB-9A	Watson Bayou, N. of Hwy 98	3	0	3
88	SC1-PO	SAB, S of paper mill	1	1	3
38	WB-1A	Watson Bayou, Lake Van Vac	3	0	3
41	WB-4B	Watson Bayou, E. Mar. Const.	1	1	3
39	WB-2A	Watson Bayou, u. Long Cove	3	0	3
3	SABS-3	Pearl Bayou	1	1	3
47	WB-10A	SAB, south of paper mill	3	0	3
67	A16-A	SAB, bayou SW of Military Pt	3	0	3
16	SABS-16	Bay Point Marina	1	1	3
Level 2					
4	SABS-4	Freshwater Bayou	2	0	2
47	WB-10B	SAB, south of paper mill	2	0	2
42	WB-5A	Watson Bayou, E. Mar. Repair	2	0	2
98	LKH	SAB, Lake Huntington middle	2	0	2
61	A12-B	SAB, SW of Town Pt.	2	0	2
85	E2-B	E. Bay, E of QG 17ft "45"	2	0	2
91	SC4-PO	SAB, S of paper mill	2	0	2

Table 3 continued next page

Table 3 continued. All stations in St. Andrew Bay scored and ranked for metals.

Stat. #	Other ID	Geographical Name	ERL-M	>ERM	Total
Level 2 continued					
90	SC3-PO	SAB, S of paper mill	2	0	2
47	WB-10C	SAB, south of paper mill	2	0	2
62	A13-A	SAB, Bunkers Cove	2	0	2
54	A6-B	SAB, NW of Military Pt.	2	0	2
58	A10-A	SAB, SE of Town Pt.	2	0	2
66	A15-C	SAB, NNE of Smack B. mouth	2	0	2
55	A9-A	SAB, SE of Town Pt,	2	0	2
57	A9-C	SAB, SE of fl rd "24"	2	0	2
53	A6-A	SAB, NW of Military Pt.	2	0	2
50	A2-A	SAB, SW of Donaldson Pt.	2	0	2
41	WB-4A	Watson Bayou, E. Mar. Const.	1	0	1
48	WB-11	Watson B, 100 yds N of mouth	1	0	1
42	WB-5C	Watson Bayou, E. Mar. Repair	1	0	1
32	SABN-11	N. Bay, below Deer Pt. Dam	1	0	1
44	WB-7A	Watson Bayou, Hill Petroleum	1	0	1
45	WB-8B	Watson Bayou, P.C. STP	1	0	1
42	WB-5B	Watson Bayou, E. Mar. Repair	1	0	1
75	B6-B	SAB, NW of Redfish Pt.	1	0	1
78	C2-B	SAB, N or Courtney Pt.	1	0	1
89	SC2-PO	SAB, S of paper mill	1	0	1
79	C3-A	SAB, SW of Lake Huntington	1	0	1
22	SABN-1	N. Bay, Robinson Bayou	1	0	1
72	B3-B	SAB, S of qk fl "15" nav. lt	1	0	1
60	A12-A	SAB, SW of Town Pt.	1	0	1
63	A13-B	SAB, E of Redfish Pt.	1	0	1
71	B3-A	SAB, S of qk fl "15" nav. lt	1	0	1
69	B2-A	SAB, SE of qk fl "15" nav lt	1	0	1
65	A15-B	SAB, E of Redfish Pt.	1	0	1
76	B6-C	SAB, NNW of Redfish Pt.	1	0	1
94	SC7-PO	SAB, S of paper mill	1	0	1
83	E1-A	E. Bay, NE of QG 17ft "43"	1	0	1
102	RB-2	N. Bay Robinson Bayou middle	1	0	1
70	B2-B	SAB, SE of qk fl "15" nav lt	1	0	1
14	SABS-14	Port Panama City, west	1	0	1
77	C2-A	SAB, E of St. Andrew Marina	1	0	1
92	SC5-PO	SAB, S of paper mill	1	0	1
82	D3-B	SAB NNE of Spanish Shanty Pt	1	0	1
Level 1					
27	SABN-6	N. Bay, Fanning Bayou	0	0	0
26	SABN-5	N. Bay, Beatty Bayou	0	0	0
30	SABN-9	N. Bay, Alligator Bayou	0	0	0
96	NwB-1	N. Bay, Newman Bayou middle	0	0	0
23	SABN-2	N. Bay, Goose Bayou	0	0	0
49	ML-1C	Martin Lake, S of Cherry St.	0	0	0

Table 3 continued next page

Table 3 continued. All stations in St. Andrew Bay scored and ranked for metals.

Stat. #	Other ID	Geographical Name	ERL-M	>ERM	Total
Level 1 continued					
49	ML-1B	Martin Lake, S of Cherry St.	0	0	0
15	SABS-15	Alligator Bayou (Navy Lab)	0	0	0
24	SABN-3	N. Bay, Upper Goose Bayou	0	0	0
33	SABN-12	N. Bay, Poston Bayou	0	0	0
25	SABN-4	N. Bay, Lynn Haven Bayou	0	0	0
39	WB-2	Watson Bayou, u. Long Cove	0	0	0
49	ML-1A	Martin Lake, S of Cherry St.	0	0	0
101	RB-1	N. Bay Robinson Bayou middle	0	0	0
17	SABE-1	E. Bay, Callaway Bayou	0	0	0
52	A5-A	SAB, NW of Military Pt.	0	0	0
59	A11-A	SAB, S of Town Pt.	0	0	0
73	B4-A	SAB, SW of Davis Point	0	0	0
93	SC6-PO	SAB, S of paper mill	0	0	0
74	B6-A	SAB, E of qk fl G 17ft "3"	0	0	0
7	SABS-7	upper Grand Lagoon	0	0	0
11	SABS-11	black can "5" nav. marker	0	0	0
9	SABS-9	Captain Anderson's Marina	0	0	0
81	D3-A	SAB, 6000' WNW TAFB Y.C.	0	0	0
12	SABS-12	St. Andrew Marina	0	0	0
6	SABS-6	N of ctr of Shell Island	0	0	0
56	A9-B	SAB, SE of Town Pt.	0	0	0
8	SABS-8	Treasure Ship Marina	0	0	0
68	A17-A	inside mouth of Smack Bayou	0	0	0
51	A2-B	SAB, SW of Donaldson Pt.	0	0	0
10	SABS-10	lower Grand Lagoon channel	0	0	0
13	SABS-13	Port Panama City, south	0	0	0
80	C3-B	SAB, NE of bl C "13" nav mkr	0	0	0
37	SABW-4	W. Bay, Botheration Bayou	0	0	0
86	E3-A	E. Bay, N of QG 17ft "45"	0	0	0
20	SABE-4	E. Bay, Little Cedar Bayou	0	0	0
35	SABW-2	W. Bay, bl C "3" nav. mark.	0	0	0
34	SABW-1	W. Bay, Warren Bayou	0	0	0
29	SABN-8	N. Bay, so. of West Bay Pt.	0	0	0
28	SABN-7	N. Bay, fl rd "6" nav. lt.	0	0	0
87	E5-A	E. Bay, SE of Dupont Bridge	0	0	0
21	SABE-5	E. Bay, Shoal Point Bayou	0	0	0
36	SABW-3	W. Bay, Burnt Mill Creek	0	0	0
84	E2-A	E. Bay, NE of QG 17ft "45"	0	0	0
5	SABS-5	"15" quick flash nav. light	0	0	0
19	SABE-3	E. Bay, qk fl "43" nav. lt.	0	0	0
18	SABE-2	E. Bay, Eastern Marine	0	0	0
13	PCPT-So	Port Panama City, South	0	0	0
1	SABS-1	So. of Panama City Marina	0	0	0
64	A15-A	SAB, NE of Redfish Pt.	0	0	0
103	NvL-1	SAB, outer end, Navy channel	0	0	0
31	SABN-10	N. Bay, Mud Bayou	0	0	0

Table 4. Polycyclic aromatic hydrocarbon (PAH) concentration ranges for 105 sediment stations (St.) in St. Andrew Bay, Florida. Concentrations are micrograms/kilogram, i.e. parts per billion (ppb) wet weight; with dry weight (dw) values in { }. In all cases, the minimum observed concentrations were non-detectable (ND), i.e. below the laboratory detection limit, which was 10 ppb, ww. Presented below are: the total number of stations at which ND values occurred; number of stations where concentrations exceeded the sediments quality guideline Effect Range Low (ERL); and the number of stations that exceeded the Effect Range Median (ERM) for each PAH compound. Identification of the station that had the maximum concentration for each compound is shown between [ ].

PAH Compound	Total of ND St.	Total St. >ERL	Total St. >ERM	Maximum Conc. ww {dw} [St.]
naphthalene	73	4	0	80 {299} [38]
fluorene	82	18	0	90 {226} [40]
phenanthrene	64	11	3	1000 {3049} [47]
anthracene	60	14	1	140 {1007} [39]
fluoranthrene	25	7	0	350 {1159} [99]
pyrene	24	13	0	560 {2258} [93]
1,2-benzanthracene	32	13	3	570 {2298} [93]
chrysene	37	17	2	1200 {5505} [88]
benzo(b)fluoranthrene	18	**	**	1400 {6422} [88]
benzo(k)fluoranthrene	31	**	**	140 {593} [100]
benzo(e)pyrene	30	**	**	520 {1453} [2]
benzo(a)pyrene	24	9	0	340 {950} [2]
1,2,5,6-dibenzanthracene	48	14	4	120 {482} [43]
benzo(g,h,i)perylene	24	**	**	430 {1617} [40]
Total PAHs	14	13	0	{44688} [95]

** Sediment quality guidelines have not been established for these compounds.

Table 5. All stations in St. Andrew Bay scored and ranked for polycyclic aromatic hydrocarbons (PAH).

Stat. #	Other ID	Geographical Name	ERL-M	ERM	Total
Level 4					
95	ML2-PO	Martin Lk E of hwy 98 bridge	5	5	15
38	WB-1B	Watson Bayou, Lake Van Vac	8	3	14
39	WB-2A	Watson Bayou, u. Long Cove	7	3	13
39	WB-2C	Watson Bayou, u. Long Cove	8	2	12
49	ML-1A	Martin Lake, S of Cherry St.	7	2	11
43	WB-6B	Watson Bayou, Bay Mar.& Ship	9	1	11
49	ML-1B	Martin Lake, S of Cherry St.	9	1	11
93	SC6-PO	SAB, S of paper mill	6	2	10
40	WB-3B	Watson Bayou, l. Long Cove	9	0	9
91	SC4-PO	SAB, S of paper mill	7	1	9
47	WB-10C	SAB, south of paper mill	6	1	8
99	MB-1	SAB, Massalina Bayou upper	8	0	8
39	WB-2B	Watson Bayou, u. Long Cove	6	1	8
40	WB-3A	Watson Bayou, l. Long Cove	5	1	7
47	WB-10B	SAB, south of paper mill	4	1	6
92	SC5-PO	SAB, S of paper mill	6	0	6
38	WB-1C	Watson Bayou, Lake Van Vac	4	1	6
88	SC1-PO	SAB, S of paper mill	4	1	6
2	MB-3	SAB, Massalina Bayou lower	6	0	6
66	A15-C	SAB NNE of Smack Bayou mouth	5	0	5
94	SC7-PO	SAB, S of paper mill	5	0	5
100	MB-2	SAB, Massalina Bayou middle	5	0	5
41	WB-4C	Watson Bayou, E. Mar. Const.	5	0	5
43	WB-6A	Watson Bayou, Bay Mar.& Ship	5	0	5
89	SC2-PO	SAB, S of paper mill	5	0	5
Level 3					
90	SC3-PO	SAB, S of paper mill	4	0	4
41	WB-4B	Watson Bayou, E. Mar. Const.	2	1	4
40	WB-3C	Watson Bayou, l. Long Cove	4	0	4
38	WB-1A	Watson Bayou, Lake Van Vac	2	1	4
102	RB-2	N. Bay Robinson Bayou middle	3	0	3
49	ML-1C	Martin Lake, S of Cherry St.	3	0	3
39	WB-2	Watson Bayou, u. Long Cove	3	0	3
48	WB-11	Watson B, 100 yds N of mouth	3	0	3
Level 2					
1	SABS-1	So. of Panama City Marina	2	0	2
47	WB-10A	SAB, south of paper mill	2	0	2
2	SABS-2	SAB, Massalina Bayou lower	2	0	2
84	E2-A	E. Bay, NE of QG 17ft "45"	2	0	2
42	WB-5A	Watson Bayou, E. Mar. Repair	1	0	1

Table 5 continued next page

Table 5 continued. All stations in St. Andrew Bay scored and ranked for polycyclic aromatic hydrocarbons (PAH).

Stat. #	Other ID	Geographical Name	ERL-M	ERM	Total
Level 2 continued					
14	SABS-14	Port Panama City, west	1	0	1
43	WB-6C	Watson Bayou, Bay Mar.& Ship	1	0	1
41	WB-4A	Watson Bayou, E. Mar. Const.	1	0	1
45	WB-8C	Watson Bayou, P.C. STP	1	0	1
85	E2-B	E. Bay, E of QG 17ft "45"	1	0	1
45	WB-8A	Watson Bayou, P.C. STP	1	0	1
80	C3-B	SAB, NE of bl C "13" nav mkr	1	0	1
63	A13-B	SAB, E of Redfish Pt.	1	0	1
79	C3-A	SAB, SW of Lake Huntington	1	0	1
98	LKH	SAB, Lake Huntington middle	1	0	1
58	A10-A	SAB, SE of Town Pt.	1	0	1
59	A11-A	SAB, S of Town Pt.	1	0	1
46	WB-9A	Watson Bayou, N. of Hwy 98	1	0	1
Level 1					
25	SABN-4	N. Bay, Lynn Haven Bayou	0	0	0
101	RB-1	N. Bay Robinson Bayou middle	0	0	0
67	A16-A	SAB, bayou SW of Military Pt	0	0	0
22	SABN-1	N. Bay, Robinson Bayou	0	0	0
15	SABS-15	Alligator Bayou (Navy Lab)	0	0	0
4	SABS-4	Freshwater Bayou	0	0	0
68	A17-A	inside mouth of Smack Bayou	0	0	0
26	SABN-5	N. Bay, Beatty Bayou	0	0	0
96	NwB-1	N. Bay, Newman Bayou middle	0	0	0
3	SABS-3	Pearl Bayou	0	0	0
23	SABN-2	N. Bay, Goose Bayou	0	0	0
46	WB-9C	Watson Bayou, N. of Hwy 98	0	0	0
31	SABN-10	N. Bay, Mud Bayou	0	0	0
42	WB-5C	Watson Bayou, E. Mar. Repair	0	0	0
44	WB-7A	Watson Bayou, Hill Petroleum	0	0	0
44	WB-7C	Watson Bayou, Hill Petroleum	0	0	0
45	WB-8B	Watson Bayou, P.C. STP	0	0	0
24	SABN-3	N. Bay, Upper Goose Bayou	0	0	0
44	WB-7B	Watson Bayou, Hill Petroleum	0	0	0
27	SABN-6	N. Bay, Fanning Bayou	0	0	0
42	WB-5B	Watson Bayou, E. Mar. Repair	0	0	0
30	SABN-9	N. Bay, Alligator Bayou	0	0	0
46	WB-9B	Watson Bayou, N. of Hwy 98	0	0	0
19	SABE-3	E. Bay, qk fl "43" nav. lt.	0	0	0
13	SABS-13	Port Panama City, south	0	0	0
11	SABS-11	black can "5" nav. marker	0	0	0
65	A15-B	SAB, E of Redfish Pt.	0	0	0
10	SABS-10	lower Grand Lagoon channel	0	0	0
9	SABS-9	Captain Anderson's Marina	0	0	0

Table 5 continued next page

Table 5 continued. All stations scored and ranked for PAHs in St. Andrew Bay.

Stat. #	Other ID	Geographical Name	ERL-M	>ERM	Total
Level 1 continued					
77	C2-A	SAB, E of St. Andrew Marina	0	0	0
12	SABS-12	St. Andrew Marina	0	0	0
82	D3-B	SAB NNE of Spanish Shanty Pt	0	0	0
16	SABS-16	Bay Point Marina	0	0	0
50	A2-A	SAB, SW of Donaldson Pt.	0	0	0
8	SABS-8	Treasure Ship Marina	0	0	0
61	A12-B	SAB, SW of Town Pt.	0	0	0
6	SABS-6	N of ctr of Shell Island	0	0	0
81	D3-A	SAB 2000yd WNW TAFB YC	0	0	0
72	B3-B	SAB, S of qk fl "15" nav. lt	0	0	0
69	B2-A	SAB, SE of qk fl "15" nav lt	0	0	0
70	B2-B	SAB, SE of qk fl "15" nav lt	0	0	0
71	B3-A	SAB, S of qk fl "15" nav. lt	0	0	0
64	A15-A	SAB, NE of Redfish Pt.	0	0	0
73	B4-A	SAB, SW of Davis Point	0	0	0
76	B6-C	SAB, NNW of Redfish Pt.	0	0	0
78	C2-B	SAB, N or Courtney Pt.	0	0	0
74	B6-A	SAB, E of qk fl G 17ft "3"	0	0	0
75	B6-B	SAB, NW of Redfish Pt.	0	0	0
7	SABS-7	upper Grand Lagoon	0	0	0
37	SABW-4	W. Bay, Botheration Bayou	0	0	0
13	PCPT-So	Port Panama City, South	0	0	0
87	E5-A	E. Bay, SE of Dupont Bridge	0	0	0
29	SABN-8	N. Bay, so. of West Bay Pt.	0	0	0
83	E1-A	E. Bay, NE of QG 17ft "43"	0	0	0
18	SABE-2	E. Bay, Eastern Marine	0	0	0
20	SABE-4	E. Bay, Little Cedar Bayou	0	0	0
86	E3-A	E. Bay, N of QG 17ft "45"	0	0	0
28	SABN-7	N. Bay, fl rd "6" nav. lt.	0	0	0
21	SABE-5	E. Bay, Shoal Point Bayou	0	0	0
32	SABN-11	N. Bay, below Deer Pt. Dam	0	0	0
34	SABW-1	W. Bay, Warren Bayou	0	0	0
35	SABW-2	W. Bay, bl C "3" nav. mark.	0	0	0
17	SABE-1	E. Bay, Callaway Bayou	0	0	0
36	SABW-3	W. Bay, Burnt Mill Creek	0	0	0
57	A9-C	SAB, SE of fl rd "24"	0	0	0
51	A2-B	SAB, SW of Donaldson Pt.	0	0	0
55	A9-A	SAB, SE of Town Pt,	0	0	0
5	SABS-5	"15" quick flash nav. light	0	0	0
60	A12-A	SAB, SW of Town Pt.	0	0	0
56	A9-B	SAB, SE of Town Pt.	0	0	0
62	A13-A	SAB, Bunkers Cove	0	0	0
10	NvL-1	SAB, outer end, Navy channel	0	0	0
54	A6-B	SAB, NW of Military Pt.	0	0	0
53	A6-A	SAB, NW of Military Pt.	0	0	0
52	A5-A	SAB, NW of Military Pt.	0	0	0
33	SABN-12	N. Bay, Poston Bayou	0	0	0

Table 6. Organochlorine pesticide (OC) and total polychlorinated biphenyl (total PCB) concentration ranges for 105 sediment stations in St. Andrew Bay, Florida. Concentrations are micrograms/kilogram, i.e. parts per billion (ppb) wet weight; with dry weight (dw) values in { }. In all cases, the minimum observed concentrations were non-detectable (ND), i.e. below the laboratory detection limit, which was 10 ppb, ww for all compounds except toxaphene and PCBs. For these two compounds the detect limit was 50 ppb. Presented below are: the total number of stations at which ND values occurred; number of stations where concentrations exceeded the sediments quality guideline Effect Range Low (ERL); and the number of stations that exceeded the Effect Range Median (ERM) for each compound. Identification of the station that had the maximum concentration for each compound is shown between [ ].

Compound	Total of ND ST.	Total ST. > ERL	Total ST. > ERM	Maximum Conc. ww {dw} [St]
Pesticides not detected				
Hexachlorobenzene	102	**	**	ND
Total-benzene hexachloride*	102	**	**	ND
Oxychlordane	102	**	**	ND
Heptachlor epoxide	102	**	**	ND
alpha-Chlordane	102	**	**	ND
gamma-Chlordane	102	**	**	ND
cis-Nonachlor	102	**	**	ND
trans-Nonachlor	102	**	**	ND
Toxaphene	102	**	**	ND
Endrin	102	**	**	ND
Mirex	102	**	**	ND
Pesticides detected				
Total PCBs	95	0	7	640 {2540} [47]
o,p'-DDD	101	**	**	130 {273} [21]
p,p'-DDD	65	**	**	1600 {3361} [21]
o,p'-DDE	101	**	**	110 {231} [21]
p,p'-DDE	69	10	23	270 {567} [21]
o,p'-DDT	97	**	**	200 {420} [21]
p,p'-DDT	96	**	**	4400 {9244} [21]
Total DDT	62	8	32	6710 {14097} [21]
Dieldrin	101	**	**	10 {37} [38]

*Benzene hexachloride (Hexachlorocyclohexane); includes alpha, beta, delta & gamma isomers.
** Sediment quality guidelines have not been established for these compounds.

Table 7. All stations scored and ranked for organochlorine pesticides and PCBs in St. Andrew Bay.

Stat. #	Other ID	Geographical Name	ERL-M	>ERM	Total
Level 4					
89	SC2-PO	SAB, S of paper mill	0	3	6
39	WB-2A	Watson Bayou, u. Long Cove	0	3	6
40	WB-3A	Watson Bayou, l. Long Cove	0	3	6
Level 3					
100	MB-2	SAB, Massalina Bayou middle	0	2	4
33	SABN-12	N. Bay, Poston Bayou	0	2	4
21	SABE-5	E. Bay, Shoal Point Bayou	0	2	4
2	SABS-2	SAB, Massalina Bayou lower	0	2	4
2	MB-3	SAB, Massalina Bayou lower	0	2	4
43	WB-6B	Watson Bayou, Bay Mar.& Ship	0	2	4
8	SABS-8	Treasure Ship Marina	0	2	4
39	WB-2B	Watson Bayou, u. Long Cove	0	2	4
101	RB-1	N. Bay Robinson Bayou middle	0	2	4
98	LKH	SAB, Lake Huntington middle	0	2	4
96	NwB-1	N. Bay, Newman Bayou middle	0	2	4
38	WB-1B	Watson Bayou, Lake Van Vac	0	2	4
102	RB-2	N. Bay Robinson Bayou middle	0	2	4
46	WB-9A	Watson Bayou, N. of Hwy 98	0	2	4
45	WB-8A	Watson Bayou, P.C. STP	0	2	4
38	WB-1A	Watson Bayou, Lake Van Vac	0	2	4
42	WB-5A	Watson Bayou, E. Mar. Repair	0	2	4
43	WB-6A	Watson Bayou, Bay Mar.& Ship	0	2	4
99	MB-1	SAB, Massalina Bayou upper	0	2	4
41	WB-4A	Watson Bayou, E. Mar. Const.	2	1	4
39	WB-2C	Watson Bayou, u. Long Cove	0	2	4
40	WB-3B	Watson Bayou, l. Long Cove	0	2	4
66	A15-C	SAB NNE of Smack Bayou mouth	0	2	4
39	WB-2	Watson Bayou, u. Long Cove	0	2	4
3	SABS-3	Pearl Bayou	0	2	4
47	WB-10A	SAB, south of paper mill	0	2	4
67	A16-A	SAB, bayou SW of Military Pt	0	2	4
9	SABS-9	Captain Anderson's Marina	1	1	3
12	SABS-12	St. Andrew Marina	1	1	3
17	SABE-1	E. Bay, Callaway Bayou	1	1	3
43	WB-6C	Watson Bayou, Bay Mar.& Ship	1	1	3
22	SABN-1	N. Bay, Robinson Bayou	1	1	3
68	A17-A	inside mouth of Smack Bayou	1	1	3
4	SABS-4	Freshwater Bayou	1	1	3

Table 7 continued next page

Table 7 continued. All stations scored and ranked for organochlorine pesticides and PCBs in St. Andrew Bay.

Stat. #	Other ID	Geographical Name	ERL-M	>ERM	Total
Level 2					
92	SC5-PO	SAB, S of paper mill	0	1	2
47	WB-10B	SAB, south of paper mill	0	1	2
15	SABS-15	Alligator Bayou (Navy Lab)	2	0	2
20	SABE-4	E. Bay, Little Cedar Bayou	2	0	2
7	SABS-7	upper Grand Lagoon	2	0	2
46	WB-9C	Watson Bayou, N. of Hwy 98	0	1	2
47	WB-10C	SAB, south of paper mill	0	1	2
44	WB-7B	Watson Bayou, Hill Petroleum	0	1	2
77	C2-A	SAB, E of St. Andrew Marina	0	1	2
14	SABS-14	Port Panama City, west	0	1	2
45	WB-8C	Watson Bayou, P.C. STP	0	1	2
46	WB-9B	Watson Bayou, N. of Hwy 98	0	1	2
48	WB-11	Watson B, 100 yds N of mouth	0	1	2
40	WB-3C	Watson Bayou, l. Long Cove	2	0	2
41	WB-4B	Watson Bayou, E. Mar. Const.	0	1	2
42	WB-5C	Watson Bayou, E. Mar. Repair	0	1	2
38	WB-1C	Watson Bayou, Lake Van Vac	0	1	2
41	WB-4C	Watson Bayou, E. Mar. Const.	0	1	2
1	SABS-1	So. of Panama City Marina	1	0	1
16	SABS-16	Bay Point Marina	1	0	1
23	SABN-2	N. Bay, Goose Bayou	1	0	1
Level 1					
26	SABN-5	N. Bay, Beatty Bayou	0	0	0
45	WB-8B	Watson Bayou, P.C. STP	0	0	0
24	SABN-3	N. Bay, Upper Goose Bayou	0	0	0
44	WB-7C	Watson Bayou, Hill Petroleum	0	0	0
30	SABN-9	N. Bay, Alligator Bayou	0	0	0
42	WB-5B	Watson Bayou, E. Mar. Repair	0	0	0
44	WB-7A	Watson Bayou, Hill Petroleum	0	0	0
27	SABN-6	N. Bay, Fanning Bayou	0	0	0
31	SABN-10	N. Bay, Mud Bayou	0	0	0
49	ML-1A	Martin Lake, S of Cherry St.	0	0	0
49	ML-1B	Martin Lake, S of Cherry St.	0	0	0
95	ML2-PO	Martin Lk E of hwy 98 bridge	0	0	0
25	SABN-4	N. Bay, Lynn Haven Bayou	0	0	0
86	E3-A	E. Bay, N of QG 17ft "45"	0	0	0
61	A12-B	SAB, SW of Town Pt.	0	0	0
13	PCPT-So	Port Panama City, South	0	0	0
82	D3-B	SAB NNE of Spanish Shanty Pt	0	0	0
88	SC1-PO	SAB, S of paper mill	0	0	0
93	SC6-PO	SAB, S of paper mill	0	0	0
69	B2-A	SAB, SE of qk fl "15" nav lt	0	0	0
91	SC4-PO	SAB, S of paper mill	0	0	0
79	C3-A	SAB, SW of Lake Huntington	0	0	0
11	SABS-11	black can "5" nav. marker	0	0	0

Table 7 continued next page

Table 7 continued. All stations scored and ranked for organochlorine pesticides and PCBs in St. Andrew Bay.

Stat.#	Other ID	Geographical Name	ERL-M	>ERM	Total
Level 1 cont'd.					
51	A2-B	SAB, SW of Donaldson Pt.	0	0	0
50	A2-A	SAB, SW of Donaldson Pt.	0	0	0
53	A6-A	SAB, NW of Military Pt.	0	0	0
81	D3-A	SAB 2000yd WNW TAFB Ycht Clb	0	0	0
55	A9-A	SAB, SE of Town Pt,	0	0	0
71	B3-A	SAB, S of qk fl "15" nav. lt	0	0	0
80	C3-B	SAB, NE of bl C "13" nav mkr	0	0	0
72	B3-B	SAB, S of qk fl "15" nav. lt	0	0	0
74	B6-A	SAB, E of qk fl G 17ft "3"	0	0	0
73	B4-A	SAB, SW of Davis Point	0	0	0
76	B6-C	SAB, NNW of Redfish Pt.	0	0	0
10	SABS-10	lower Grand Lagoon channel	0	0	0
78	C2-B	SAB, N or Courtney Pt.	0	0	0
70	B2-B	SAB, SE of qk fl "15" nav lt	0	0	0
75	B6-B	SAB, NW of Redfish Pt.	0	0	0
90	SC3-PO	SAB, S of paper mill	0	0	0
94	SC7-PO	SAB, S of paper mill	0	0	0
13	SABS-13	Port Panama City, south	0	0	0
37	SABW-4	W. Bay, Botheration Bayou	0	0	0
87	E5-A	E. Bay, SE of Dupont Bridge	0	0	0
28	SABN-7	N. Bay, fl rd "6" nav. lt.	0	0	0
18	SABE-2	E. Bay, Eastern Marine	0	0	0
83	E1-A	E. Bay, NE of QG 17ft "43"	0	0	0
84	E2-A	E. Bay, NE of QG 17ft "45"	0	0	0
85	E2-B	E. Bay, E of QG 17ft "45"	0	0	0
103	NvL-1	SAB, outer end, Navy channel	0	0	0
57	A9-C	SAB, SE of fl rd "24"	0	0	0
29	SABN-8	N. Bay, so. of West Bay Pt.	0	0	0
32	SABN-11	N. Bay, below Deer Pt. Dam	0	0	0
34	SABW-1	W. Bay, Warren Bayou	0	0	0
35	SABW-2	W. Bay, bl C "3" nav. mark.	0	0	0
19	SABE-3	E. Bay, qk fl "43" nav. lt.	0	0	0
36	SABW-3	W. Bay, Burnt Mill Creek	0	0	0
59	A11-A	SAB, S of Town Pt.	0	0	0
63	A13-B	SAB, E of Redfish Pt.	0	0	0
52	A5-A	SAB, NW of Military Pt.	0	0	0
65	A15-B	SAB, E of Redfish Pt.	0	0	0
54	A6-B	SAB, NW of Military Pt.	0	0	0
5	SABS-5	"15" quick flash nav. light	0	0	0
6	SABS-6	N of ctr of Shell Island	0	0	0
58	A10-A	SAB, SE of Town Pt.	0	0	0
62	A13-A	SAB, Bunkers Cove	0	0	0
64	A15-A	SAB, NE of Redfish Pt.	0	0	0
60	A12-A	SAB, SW of Town Pt.	0	0	0
56	A9-B	SAB, SE of Town Pt.	0	0	0
49	ML-1C	Martin Lake, S of Cherry St.	0	0	0

Table 8. Aliphatic hydrocarbon (AH) concentration ranges for 48 sediment stations in St. Andrew Bay, Florida. Analyses for these aliphatic hydrocarbons was not done for stations 48, and 50 - 103. Concentrations are micrograms/kilogram, i.e. parts per billion (ppb) wet weight; with dry weight (dw) values in { }. In all cases, the minimum observed concentrations were non-detectable (ND), i.e. below the laboratory detection limit, which was 10 ppb, ww. Presented below are: the total number of stations at which ND values occurred. Currently, no sediment quality guidelines exist for aliphatic hydrocarbons. Identification of the station that had the maximum concentration for each compound (dry weight value) is shown between [ ].

AH Compound	Total of ND ST.	Maximum Conc. ww {dw} [St]
n-dodecane	46	350 {7,778} [49]
n-tridecane	44	110 {2,444} [49]
n-tetradecane	35	330 {7,333} [49]
octylcyclohexane	41	330 {7,333} [49]
n-pentdecane	33	340 {7,556} [49]
nonylcyclohexane	36	560 {12,444} [49]
n-hexadecane	39	130 {2,889} [49]
n-heptadecane	7	490 {10,889} [49]
pristane	25	1800 {40,000} [49]
n-octadecane	39	110 {1,447} [39]
phytane	29	370 {8,222} [39]
n-nonadecane	38	50 {369} [39]
n-eicosane	39	90 {232} [1]
Total AHs	7	4,810 {106,889} [49]

Table 9. Ranking of 48 sediment stations for total aliphatic hydrocarbons in St. Andrew Bay, Florida. At some stations multiple samples were analyzed and ranked.

Stat. #	Other ID	Geographical Name	wet wgt (ppb)	dry wgt (ppb)
49	ML-1B	Martin Lake, S of Cherry St.	4810	106889
49	ML-1A	Martin Lake, S of Cherry St.	4470	75763
39	WB-2B	Watson Bayou, u. Long Cove	1890	24868
47	WB-10C	SAB, south of paper mill	3860	20978
49	ML-1C	Martin Lake, S of Cherry St.	1230	17826
47	WB-10B	SAB, south of paper mill	4290	13079
39	WB-2C	Watson Bayou, u. Long Cove	945	7875
39	WB-2A	Watson Bayou, u. Long Cove	1010	7266
47	WB-10A	SAB, south of paper mill	1430	5479
38	WB-1B	Watson Bayou, Lake Van Vac	605	5307
45	WB-8C	Watson Bayou, P.C. STP	495	3960
40	WB-3A	Watson Bayou, l. Long Cove	1030	3872
40	WB-3B	Watson Bayou, l. Long Cove	895	3729
41	WB-4C	Watson Bayou, E. Mar. Const.	610	3547
41	WB-4B	Watson Bayou, E. Mar. Const.	450	3237
22	SABN-1	N. Bay, Robinson Bayou	1160	2447
43	WB-6C	Watson Bayou, Bay Mar.& Ship	475	2199
38	WB-1C	Watson Bayou, Lake Van Vac	535	1996
43	WB-6B	Watson Bayou, Bay Mar.& Ship	475	1908
14	SABS-14	Port Panama City, west	300	1765
44	WB-7B	Watson Bayou, Hill Petroleum	430	1581
45	WB-8A	Watson Bayou, P.C. STP	255	1491
40	WB-3C	Watson Bayou, l. Long Cove	580	1454
1	SABS-1	So. of Panama City Marina	540	1392
13	SABS-13	Port Panama City, south	510	1386
8	SABS-8	Treasure Ship Marina	270	1357
43	WB-6A	Watson Bayou, Bay Mar.& Ship	375	1140
21	SABE-5	E. Bay, Shoal Point Bayou	460	966
46	WB-9C	Watson Bayou, N. of Hwy 98	160	914
5	SABS-5	"15" quick flash nav. light	250	758
15	SABS-15	Alligator Bayou (Navy Lab)	470	747
46	WB-9B	Watson Bayou, N. of Hwy 98	145	718
32	SABN-11	N. Bay, below Deer Pt. Dam	110	714
29	SABN-8	N. Bay, so. of West Bay Pt.	140	707
38	WB-1A	Watson Bayou, Lake Van Vac	285	685
44	WB-7C	Watson Bayou, Hill Petroleum	170	563
42	WB-5A	Watson Bayou, E. Mar. Repair	150	538
46	WB-9A	Watson Bayou, N. of Hwy 98	60	508
35	SABW-2	W. Bay, bl C "3" nav. mark.	120	465
2	SABS-2	SAB, Massalina Bayou lower	220	440
20	SABE-4	E. Bay, Little Cedar Bayou	260	438
23	SABN-2	N. Bay, Goose Bayou	200	437
6	SABS-6	N of ctr of Shell Island	120	430

Table 9 continued next page

Table 9 continued. Ranking[1] of 48 sediment stations for total aliphatic hydrocarbons in St. Andrew Bay, Florida. At some stations multiple samples were analyzed and ranked.

Stat. #	Other ID	Geographical Name	wet wgt (ppb)	dry wgt (ppb)
33	SABN-12	N. Bay, Poston Bayou	130	348
45	WB-8B	Watson Bayou, P.C. STP	100	344
4	SABS-4	Freshwater Bayou	100	251
3	SABS-3	Pearl Bayou	170	250
42	WB-5C	Watson Bayou, E. Mar. Repair	70	241
44	WB-7A	Watson Bayou, Hill Petroleum	75	236
11	SABS-11	black can "5" nav. marker	70	234
42	WB-5B	Watson Bayou, E. Mar. Repair	55	179
7	SABS-7	upper Grand Lagoon	100	167
31	SABN-10	N. Bay, Mud Bayou	90	162
28	SABN-7	N. Bay, fl rd "6" nav. lt.	40	147
16	SABS-16	Bay Point Marina	60	120
9	SABS-9	Captain Anderson's Marina	70	101
17	SABE-1	E. Bay, Callaway Bayou	40	95
27	SABN-6	N. Bay, Fanning Bayou	50	94
30	SABN-9	N. Bay, Alligator Bayou	50	84
41	WB-4A	Watson Bayou, E. Mar. Const.	30	73
36	SABW-3	W. Bay, Burnt Mill Creek	30	50
34	SABW-1	W. Bay, Warren Bayou	20	31
24	SABN-3	N. Bay, Upper Goose Bayou	20	29
37	SABW-4	W. Bay, Botheration Bayou	20	29
18	SABE-2	E. Bay, Eastern Marine	0	0
25	SABN-4	N. Bay, Lynn Haven Bayou	0	0
12	SABS-12	St. Andrew Marina	0	0
26	SABN-5	N. Bay, Beatty Bayou	0	0
10	SABS-10	lower Grand Lagoon channel	0	0
19	SABE-3	E. Bay, qk fl "43" nav. lt.	0	0
2	MB-3	SAB, Massalina Bayou lower	0	0
13	PCPT-So	Port Panama City, South	0	0

[1] Ranking is based on dry weight (ppb) results.

Table 10. Invertebrate and fish composite samples collected in Watson Bayou for whole body chemical contaminant analyses, July 24, 1985.

Sample ID Number	Common Name	Species	Number	Composite Sample Total Weight (gms)
WB-SH-1	commercial shrimp	*Penaeus spp.*	n = 14	178
WB-SH-2	" "	" "	n = 14	208
WB-SH-3	" "	" "	n = 14	179
WB-BC-1	blue crab	*Callinectes sapidus*	n = 5	890
WB-BC-2	" "	" "	n = 5	1450
WB-BC-3	" "	" "	n = 5	760
WB-BC-4	" "	" "	n = 5	1530

Sample ID Number	Common Name	Species	Number	Composite Sample Total Weight (gms)
WB-MH-1	Gulf menhaden	*Brevoortia patronus*	n = 5	848
WB-MH-2	" "	" "	n = 5	950
WB-MH-3	" "	" "	n = 5	721
WB-TF-1	Gulf toadfish	*Opsanus beta*	n = 3	861
WB-TF-2	" "	" "	n = 3	867
WB-TF-3	" "	" "	n = 4	740
WB-SC-1	hardhead catfish	*Arius felis*	n = 4	2925
WB-SC-2	" "	" "	n = 5	3272
WB-SC-3	" "	" "	n = 5	3555
WB-GT-1	gafftopsail catfish	*Bagre marinus*	n = 5	7225
WB-GT-2	" "	" "	n = 5	5515
WB-GT-3	" "	" "	n = 5	5755
WB-CK-1	Atlantic croaker	*Micropogon undulatus*	n = 10	402
WB-CK-2	" "	" "	n = 10	372
WB-CK-3	" "	" "	n = 10	391
WB-SP-1	spot	*Leiostomus xanthurus*	n = 10	465
WB-SP-2	"	" "	n = 10	414
WB-SP-3	"	" "	n = 10	408
WB-PR-1	silver perch	*Bairdiella chrysura*	n = 10	334
WB-PR-2	" "	" "	n = 10	316
WB-PR-3	" "	" "	n = 10	312
WB-PG-1	pigfish	*Orthopristis chrysoptera*	n = 28	323
WB-PF-1	pinfish	*Lagodon rhomboides*	n = 10	336
WB-PF-2	"	" "	n = 10	337
WB-PF-3	"	" "	n = 10	324

Table 11. Metals analyses for invertebrates and fishes collected from Watson Bayou, St. Andrew Bay, Florida, in July, 1985. Concentrations are parts per million (ppm), wet weight (ww).

I.D.	Common Name	% moist	Al	As	Be	Cd	Co	Cr	Cu	Fe	Hg	Mn	Ni	Pb	Se	Tl	Zn
WB-SH-1	comm. shrimp	73.5	69.3	1.8	ND <0.007	ND <0.06	0.1	0.33	14.8	54.3	ND <0.02	1.21	0.32	0.57	0.39	ND <0.6	17.0
WB-SH-2	comm. shrimp	74.5	77.5	2.3	ND <0.007	ND <0.06	0.18	0.27	20.4	45.3	ND <0.02	1.01	0.23	0.6	0.38	ND <0.6	15.7
WB-SH-3	comm. shrimp	72.0	118	1.8	ND <0.007	ND <0.07	0.99	0.92	16.5	49	ND <0.02	1.79	0.6	0.81	0.41	ND <0.6	18.1
WB-BC-1	blue crab	70.1	35.8	0.35	ND <0.008	ND <0.08	ND <0.08	0.26	13.5	52.3	0.14	6.51	2.8	0.6	0.53	ND <0.8	29.9
WB-BC-2	blue crab	70.5	28.5	0.52	ND <0.008	ND <0.08	0.48	0.32	14.4	84	0.11	7.82	1.8	1.2	0.48	ND <0.7	24.5
WB-BC-3	blue crab	71.3	30.8	0.45	ND <0.008	ND <0.07	0.2	0.23	17.6	63.6	0.16	8.96	2.9	1	0.42	ND <0.7	30.3
WB-BC-4	blue crab	73.9	45.3	0.27	ND <0.007	ND <0.07	ND <0.07	0.2	10.6	90.7	0.084	5.81	3	0.77	0.43	ND <0.6	24.7
WB-MH-1	Gulf menhaden	65.2	281	0.64	ND <0.009	ND <0.09	ND <0.09	0.44	0.97	171	0.04	6.63	0.45	0.98	0.7	ND <0.9	28.0
WB-MH-2	Gulf menhaden	64.3	300	1.3	ND <0.009	ND <0.09	0.1	0.52	1.2	179	0.04	4.93	0.56	0.86	0.58	ND <0.9	23.7
WB-MH-3	Gulf menhaden	64.8		1.2	ND <0.009	ND <0.09	0.1	0.39	1.2	177	0.04	4.69	0.38	0.96	0.63	ND <0.9	24.8
WB-TF-1	Gulf toadfish	78.0	5	0.25	ND <0.005	ND <0.05	0.37	0.17	0.65	31.9	0.1	2.08	0.73	0.2	0.4	ND <0.5	18.0
WB-TF-2	Gulf toadfish	78.5	4.6	0.1	ND <0.005	ND <0.05	0.56	0.1	0.63	22.5	0.05	1.57	0.57	ND <0.1	0.37	ND <0.5	14.5
WB-TF-3	Gulf toadfish	81.3	4.8	0.05	ND <0.005	ND <0.05	0.48	0.18	0.92	23	0.03	1.21	0.95	0.39	0.32	ND <0.5	12.8
WB-SC-1	hardhead catfish	70.7	15	0.52	ND <0.007	ND <0.07	1.5	0.59	1.8	42.6	0.32	2.79	1.1	ND <0.1	0.52	ND <0.7	141
WB-SC-2	hardhead catfish	70.5	11	0.28	ND <0.007	ND <0.07	ND <0.07	0.2	0.57	37.3	0.34	2.94	0.72	ND <0.2	0.57	ND <0.7	146
WB-SC-3	hardhead catfish	67.8	13	0.05	ND <0.006	ND <0.06	4.2	ND <0.06	0.31	16	0.43	1.34	0.29	ND <0.1	0.2	ND <0.6	12.7
WB-GT-1	gafftop catfish	72.6	7.5	0.38	ND <0.007	ND <0.07	45.7	0.27	0.55	43.3	0.44	2.55	0.93	ND <0.1	0.48	ND <0.6	186
WB-GT-2	gafftop catfish	70.4	5.1	3.3	ND <0.007	ND <0.07	1.4	0.54	0.49	32.2	0.4	1.77	0.71	ND <0.1	0.49	ND <0.7	159
WB-GT-3	gafftop catfish	68.9	5.1	2.5	ND <0.008	ND <0.08	0.1	0.2	0.55	38	0.44	2.32	0.67	ND <0.2	0.49	ND <0.7	157
WB-CK-1	Atlantic croaker	76.7	30.7	0.24	ND <0.006	ND <0.06	6.56	0.2	0.56	43.1	ND <0.02	1.41	1.3	ND <0.1	0.51	ND <0.5	10.6
WB-CK-2	Atlantic croaker	77.4	34.9	0.42	ND <0.006	ND <0.06	3.4	0.2	0.51	39.2	0.02	1.27	0.7	ND <0.1	0.44	ND <0.5	9.68
WB-CK-3	Atlantic croaker	77.1	45.3	0.4	ND <0.006	ND <0.06	2.9	0.22	1.2	34.4	0.02	1.78	0.1	ND <0.1	0.47	ND <0.5	10.6
WB-SP-1	spot	70.8	101	0.34	ND <0.006	ND <0.06	6.76	0.41	1.1	105	0.03	1.98	0.27	0.3	0.5	ND <0.6	22.1
WB-SP-2	spot	77.2	63.5	0.2	ND <0.006	ND <0.06	2.8	0.37	1.1	81.8	ND <0.02	1.8	0.21	0.2	0.43	ND <0.5	16.6
WB-SP-3	spot	77.0	66.6	0.29	ND <0.006	ND <0.06	3.4	0.55	1.1	83.8	0.03	1.81	0.33	0.2	0.44	ND <0.6	16.7
WB-PR-1	silver perch	73.5	13	0.08	ND <0.007	ND <0.07	3	0.2	0.61	35	0.05	1.71	1.4	ND <0.1	0.39	ND <0.6	17.8
WB-PR-2	silver perch	75.5	14	1	ND <0.006	ND <0.06	3.5	0.51	0.68	38.2	0.06	1.37	1.2	ND <0.1	0.43	ND <0.6	15.7
WB-PR-3	silver perch	73.9	54.6	0.46	ND <0.006	ND <0.06	1.2	1	2.4	34.8	0.067	1.81	0.51	ND <0.1	0.42	ND <0.6	17.9
WB-PG-1	pigfish	75.5	26.3	0.19	ND <0.006	ND <0.06	2.8	0.69	1.8	35.7	0.061	1.38	0.39	ND <0.1	0.42	ND <0.6	15.1
WB-PF-1	pinfish	71.4	309	1	ND <0.007	ND <0.07	0.9	1.5	3.6	198	0.05	7.02	0.66	0.71	0.52	ND <0.7	22.1
WB-PF-2	pinfish	72.8	362	0.7	ND <0.007	ND <0.07	3.1	1.3	2.3	258	0.04	7.93	0.66	0.85	0.49	ND <0.7	21.8
WB-PF-3	pinfish	76.0	376	0.7	ND <0.006	ND <0.06	1.3	1.5	3.1	254	0.03	5.74	0.54	0.97	0.47	ND <0.6	23.3

Table 12. Organochlorine pesticide and PCB analyses for invertebrates and fishes collected from Watson Bayou, St. Andrew Bay, Florida, in July, 1985. Concentrations are parts per billion (ppb), wet weight (ww).

Sample ID	Common Name	% moist	oxy-chlordane	trans-nonachlor	Total PCBs	p,p' DDE	Dieldren	cis-nonachlor	p,p' DDD	p,p' DDT	Mirex
WB-SH-1	panaeid shrimp	76.0	ND	ND	60	10	ND	ND	10	ND	ND
WB-SH-2	panaeid shrimp	74.0	ND	10	ND	20	ND	ND	20	ND	ND
WB-SH-3	panaeid shrimp	72.0	ND	10	ND	10	ND	ND	20	ND	ND
WB-BC-1	blue crab	66.8	10	10	90	20	ND	ND	10	ND	ND
WB-BC-2	blue crab	69.4	20	20	180	50	ND	ND	30	ND	ND
WB-BC-3	blue crab	68.2	10	20	130	40	ND	ND	20	ND	ND
WB-BC-4	blue crab	72.2	10	10	110	20	ND	ND	20	ND	ND
WB-MH-1	Gulf menhaden	66.0	ND	40	350	130	10	ND	150	ND	ND
WB-MH-2	Gulf menhaden	64.4	ND	40	370	150	10	ND	140	ND	ND
WB-MH-3	Gulf menhaden	64.6	ND	30	240	120	10	ND	110	ND	ND
WB-TF-1	Gulf toadfish	78.4	ND	ND	ND	20	ND	ND	ND	ND	10
WB-TF-2	Gulf toadfish	78.6	ND	10	190	40	ND	ND	40	ND	ND
WB-TF-3	Gulf toadfish	80.2	ND	10	140	20	ND	ND	30	ND	ND
WB-SC-1	hardhead catfish	71.4	10	10	660	330	10	20	80	ND	ND
WB-SC-2	hardhead catfish	35.3	ND	40	290	110	10	10	20	ND	ND
WB-SC-3	hardhead catfish	34.3	10	90	670	290	10	20	90	ND	ND
WB-GT-1	gafftopsail catfish	72.6	10	90	1300	530	ND	30	150	20	ND
WB-GT-2	gafftopsail catfish	70.4	10	70	850	410	ND	20	100	30	ND
WB-GT-3	gafftopsail catfish	69.8	10	80	970	780	ND	20	230	40	ND
WB-CK-1	Atlantic croaker	38.1	ND	ND	50	10	ND	ND	10	ND	ND
WB-CK-2	Atlantic croaker	39.6	ND	10	ND	20	ND	ND	10	ND	ND
WB-CK-3	Atlantic croaker	39.0	ND	10	ND	20	ND	ND	10	ND	ND
WB-SP-1	spot	38.1	ND	10	80	40	ND	ND	30	ND	ND
WB-SP-2	spot	38.6	ND	10	70	30	ND	ND	20	ND	ND
WB-SP-3	spot	38.4	ND	20	80	50	ND	ND	30	ND	ND
WB-PR-1	silver perch	36.4	ND	20	70	60	ND	ND	30	ND	ND
WB-PR-2	silver perch	38.5	ND	20	50	40	ND	ND	20	ND	ND
WB-PR-3	silver perch	74.2	ND	20	190	120	ND	ND	50	ND	ND
WB-PG-1	pigfish	74.5	ND	10	ND	60	ND	ND	40	ND	ND
WB-PF-1	pinfish	70.6	ND	10	210	60	ND	ND	70	ND	ND
WB-PF-2	pinfish	72.2	ND	10	170	60	ND	ND	70	ND	ND
WB-PF-3	pinfish	76.4	ND	10	170	40	ND	ND	60	20	ND

Table 13. PAH analyses for invertebrates and fishes collected from Watson Bayou, St. Andrew Bay, Florida, in July, 1985. Concentrations are parts per billion (ppb), wet weight (ww).

Sample ID	Common Name	% moist	PAH Compounds *1	2	3	4	5	6	7	8	9	10	11	12	13	14
WB-SH-1	comm. shrimp	76			10											
WB-SH-2	comm. shrimp	74														
WB-SH-3	comm. shrimp	72			10											
WB-BC-1	blue crab	66.8			50											
WB-BC-2	blue crab	69.4	10	10	30			10								
WB-BC-3	blue crab	68.2	10	10	100											
WB-BC-4	blue crab	72.2		10	40											
WB-MH-1	Gulf menhaden	66		20	120	10	10	20					10	10		
WB-MH-2	Gulf menhaden	64.4	20	40	190	10	20						10	20		
WB-MH-3	Gulf menhaden	64.6	10	20	120		10						10	20		
WB-TF-1	Gulf toadfish	78.4														
WB-TF-2	Gulf toadfish	78.6			10											
WB-TF-3	Gulf toadfish	80.2														
WB-SC-1	hardhead catfish	71.4		10	30											
WB-SC-2	hardhead catfish	35.3	10		10											
WB-SC-3	hardhead catfish	34.3	10	10	10											
WB-GT-1	gafftop catfish	72.6		10	40											
WB-GT-2	gafftop catfish	70.4			10											
WB-GT-3	gafftop catfish	69.8			10											
WB-CK-1	Atlantic croaker	38.1														
WB-CK-2	Atlantic croaker	39.6														
WB-CK-3	Atlantic croaker	39														
WB-SP-1	spot	38.1			10											
WB-SP-2	spot	38.6					10	10	10	20			10			10
WB-SP-3	spot	38.4			20		10	10	10	20						
WB-PR-1	silver perch	36.4			20											
WB-PR-2	silver perch	38.5		10	20											
WB-PR-3	silver perch	74.2		10	20		10				10		10	10		
WB-PG-1	pigfish	74.6	10	10	10	10							10		10	10
WB-PF-1	pinfish	70.6		10	20		10	10								
WB-PF-2	pinfish	72.2		10	20		10	10								
WB-PF-3	pinfish	76.4			10		10	10								

Key to PAH compounds:

*1 Napthalene
*2 Fluorene
*3 Phenanthrene
*4 Anthracene
*5 Flouranthrene
*6 Pyrene
*7 1,2-benzanthracene
*8 Chrysene
*9 Benzo(b)fluoranthrene
*10 Benzo(k)fluoranthrene
*11 Benzo(e)pyrene
*12 Benzo(a)pyrene
*13 1,2,5,6-dibenzanthracene
*14 Benzo(g,h,i)perylene

Table 14. Aliphatic hydrocarbons analyses for invertebrates and fishes collected from Watson Bayou, St. Andrew Bay, Florida, July 1985. Concentrations are parts per billion (ppb), wet weight.

Sample ID	Common Name	% mst.	n-do decane	n-tri decane	n-tetra decane	octo cyclo hexane	n-penta decane	nonyl cyclo hexane	n-hexa decane	n-hepta decane	pristane	n-octa decane	phytane	n-nona decane	n-eico sane
WB-SH-1	comm. shrimp	76	30							30					
WB-SH-2	comm. shrimp	74									50		30		
WB-SH-3	comm. shrimp	72								20		280			30
WB-BC-1	blue crab	66.8								20					
WB-BC-2	blue crab	69.4				20	110				580		30		
WB-BC-3	blue crab	68.2													
WB-BC-4	blue crab	72.2			40	30	330		40	310	290		70	60	
WB-MH-1	Gulf menhaden	66	70	280	1400	120	33000	220	4200	15000	13000	3100	1100	2700	1300
WB-MH-2	Gulf menhaden	64.4	140	650	2400	120	33000	490	5400	17000	17000	3400	1600	2700	1200
WB-MH-3	Gulf menhaden	64.6	200		1000		39000	1600	3600	19000	17000	2400	850	2300	920
WB-TF-1	Gulf toadfish	78.4													
WB-TF-2	Gulf toadfish	78.6								10					
WB-TF-3	Gulf toadfish	80.2													
WB-SC-1	hardhead catfish	71.4			40		930		70	580	870	40	40		60
WB-SC-2	hardhead catfish	35.3			40		480		30	360	730		30	30	60
WB-SC-3	hardhead catfish	34.3		10	80	10	1800		180	1300	2200	110	110	160	140
WB-GT-1	gafftop catfish	72.6			280		6300		490	3100	3600	260	210	270	220
WB-GT-2	gafftop catfish	70.4		60	220		6200		440	3000	3800	270	210	280	220
WB-GT-3	gafftop catfish	69.8			70		3400		240	1700	2300	120	120	110	130
WB-CK-1	Atlantic croaker	38.1					30			30	30				
WB-CK-2	Atlantic croaker	39.6					20								
WB-CK-3	Atlantic croaker	39					30			30	30				
WB-SP-1	spot	38.1			20		30			30	20		30		
WB-SP-2	spot	83.6			20	10	30	10		30	20	20	20		
WB-SP-3	spot	38.4			20	10	40		20	30	20		20		
WB-PR-1	silver perch	36.4			20		80		20	110	180	10			
WB-PR-2	silver perch	38.5			20		60		30	90	180				
WB-PR-3	silver perch	74.2					30		20	60	70				
WB-PG-1	pigfish	74.6			10	10	40	10	20	40	60		50		
WB-PF-1	pinfish	70.6					60		10	60	130		30		30
WB-PF-2	pinfish	72.2			10		10		20	70	120				
WB-PF-3	pinfish	76.4					50				90				

Table 15. Dissection data for 15 spotted seatrout (*Cynoscion nebulosus*) collected near the mouth of Watson Bayou, in St. Andrew Bay, Bay County, Florida, between June and September 1986. Each group is a composite sample of five individual fish.

Group	Length (mm)	Weight (gm)	Fillet (gm)	Liver (gm)	Offal (gm)	Gonads (gm)
I.						
trout-1	470	964	159	8.0	737	33.0
trout-2	462	822	137	7.1	680	6.3
trout-3	482	936	144	4.8	765	10.0
trout-4	420	680	140	7.0	510	9.0
trout-5	491	992	162	3.7	794	8.0
II.						
trout-1	498	992	259	7.5	690	9.7
trout-2	501	1049	345	6.6	819	18.5
trout-3	503	1389	316	10.0	1006	15.4
trout-4	486	992	287	14.6	661	21.6
trout-5	555	1361	287	26.5	776	33.9
III.						
trout-1	556	1531	426	24.4	935	119.4
trout-2	540	1276	454	17.0	1332	11.6
trout-3	624	1843	425	11.0	850	20.2
trout-4	540	1474	340	10.5	907	104.3
trout-5	528	1304	245	11.5	822	13.8

Table 16. Metal analyses for composite tissue samples (n=5) of spotted seatrout (*Cynoscion nebulosus*) collected in or near Watson Bayou, St. Andrew Bay, Florida, July - September, 1986. Concentrations are micrograms/gram (ppm), dry weight (dw).

Sample ID	Tissue Type	% mst	Al	As	Be	Cd	Cr	Cu	Fe	Hg
Group 1	muscle	77.7	2.3	1.3	<0.01	0.03	1.1	0.9	19.3	1.8
Group 2	muscle	77.2	424	1.3	<0.01	<0.03	1.5	0.77	24	2.0
Group 3	muscle	76.7	6.5	2.2	<0.01	<0.03	1.3	0.8	18	2.1
Group 1	liver	61.6	6	4.6	<0.01	0.2	0.5	29	829	0.845
Group 2	liver	58.9	10	3.5	<0.01	0.21	1.5	8.49	337	0.675
Group 3	liver	65.9	29	6.1	<0.01	0.17	1.9	15.4	299	0.724
Group 1	gonads	81	NA	9.7	NA	0.04	NA	4.28	96.3	0.41
Group 2	gonads	75.5	NA	11	NA	0.19	NA	6.79	298	0.41
Group 3	gonads	77.9	NA	5	NA	0.05	NA	2.48	68.4	0.17
Group 1	offal	72.2	41.1	1.4	<0.01	0.04	1.6	1.5	82.6	0.949
Group 2	offal	69.8	17	2.6	<0.01	0.05	1.6	1.9	102	0.849
Group 3	offal	69.2	14	2.6	<0.01	0.04	1.9	1.7	61.1	0.815

Sample ID	Tissue Type	% mst	Mn	Mo	Ni	Pb	Se	Tl	V	Zn
Group 1	muscle	77.7	0.42	NA	0.5	<0.4	1.6	<0.6	NA	13.9
Group 2	muscle	77.2	0.62	NA	0.94	<0.4	1.4	<0.6	NA	16
Group 3	muscle	76.7	0.58	NA	0.89	<0.4	1.4	<0.6	NA	16.8
Group 1	liver	61.6	3.35	NA	0.57	<0.4	3.6	<0.6	NA	95
Group 2	liver	58.9	2.4	NA	1.2	<0.4	2	<0.6	NA	56.4
Group 3	liver	65.9	4.12	NA	1.5	<0.4	2.6	<0.6	NA	79.8
Group 1	gonads	81	NA	<0.1	0.72	<.5	2.2	<0.5	<0.03	113
Group 2	gonads	75.5	NA	<0.1	87.3	<.5	2	<0.6	<0.04	167
Group 3	gonads	77.9	NA	<0.1	0.2	<.5	1.6	<0.5	<0.03	132
Group 1	offal	72.2	11.4	NA	1.1	<0.4	1.2	<0.6	NA	57.3
Group 2	offal	69.8	9.94	NA	1.4	<0.4	1.1	<0.6	NA	55.5
Group 3	offal	69.2	11	NA	1.1	<0.4	1.2	<0.6	NA	54.2

Table 17. Organochlorine pesticide and PCB analyses of composite tissue samples (n=5) of spotted seatrout (*Cynoscion nebulosus*) collected in or near Watson Bayou, St. Andrew Bay, Florida, July - September 1986. Concentrations are nanograms/gram (ppb) wet weight (ww).

Sample ID	Tissue Type	Comp. Samp. (gm)	% Lipid	% mst.	oxy-chlordane	alpha chlordane	gamma chlordane	trans nonachlor	cis nonachlor	total PCBs	Dield	o,p' DDE	p,p' DDE	p,p' DDD	p,p' DDT	Total DDT
Group 1	muscle	667	0.62	77.6									10	10		20
Group 2	muscle	1372	0.52	77						50			20	10		30
Group 3	muscle	1939	0.53	87.4									10	10		20
Group 1	liver	27.8	18.7	65	10			140		2600	20		680	200		880
Group 2	liver	59.7	25.4	59	20			170		1500			760	250		1010
Group 3	liver	67.8	16.5	66	10			90		1000			350	150		500
Group 1	gonads	60.8	2.5	83									40	20		60
Group 2	gonads	95.7	3.22	75.8				10		110			50	20		70
Group 3	gonads	249	7.3	76.2		20	10	20	30	240	10	20	110	60		190
Group 1	offal	3129	2.4	73.8				20		250			80	30		110
Group 2	offal	3237	5.48	71.2				40		520	10		160	60		220
Group 3	offal	4321	6.36	69.8				60		430			120	50		170

Table 18. PAH analyses of composite tissue samples (n=5) of spotted seatrout (*Cynoscion nebulosus*) collected in or near Watson Bayou, St. Andrew Bay, Florida, July - September, 1986. Concentrations are nanograms/gram (parts per billion), wet weight.

				Polycyclic Aromatic Hydrocarbons (PAH) by number (see key below).														
Sample ID	Tissue Type	Samp. Wgt. (gm)	Percent Lipid / Moisture	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Group 1	muscle	667	0.62/77.6				10			10	10			10				40
Group 2	muscle	1372	0.52/77.0							10				10				20
Group 3	muscle	1939	0.53/77.4	10							30							40
Group 1	liver	27.8	18.7/65.0	10	10	30		10		10		10						80
Group 2	liver	59.7	25.4/59.0	10	10	70	10	10		10		10						130
Group 3	liver	67.8	16.5/66.0	20	10	70		10		10								120
Group 1	gonads	60.8	2.50/83.0	20														20
Group 2	gonads	95.7	3.22/78.8	30		90												120
Group 3	gonads	249	7.30/76.2	10		40												50
Group 1	offal	3129	2.40/73.8	20						10				10			10	50
Group 2	offal	3237	5.48/71.2	20		80	10			10							10	130
Group 3	offal	4321	6.36/69.8	20	10	30	10			10	30							110

Key to individual PAH compounds:

1 napthalene
2 fluorene
3 phenanthrene
4 anthracene
5 fluoranthrene
6 pyrene
7 1,2-benzanthracene
8 chrysene
9 benzo(b)fluoranthrene
10 benzo(k)fluoranthrene
11 benzo(e)pyrene
12 benzo(a)pyrene
13 1,2,5,6-dibenzanthracene
14 benzo(g,h,i)perylene
15 total PAHs

Table 19. Aliphatic hydrocarbon analyses of composite tissue samples (n=5) of spotted seatrout (*Cynoscion nebulosus*) collected in or near Watson Bayou, St. Andrew Bay, Florida, July - September 1986. Concentrations are nanograms/gram (ppb), wet weight.

Sample ID	Tissue Type	Comp. Samp. (gm)	% Lipid	% mst.	n-do decane	n-tri decane	n-tetra decane	octo cyclo hexane	n-penta decane	nonyl cyclo hexane	n-hexa decane	n-hepta decane	pristane	n-octa decane	phytane	n-nona decane	n-eico sane	Total AHs
Group 1	muscle	667	0.62	77.6		10	10		30			40	210		30	250	110	690
Group 2	muscle	1372	0.52	77.0			10							10		30		50
Group 3	muscle	1939	0.53	77.4	10	10	10		50		20	190	190	40	40	30	10	600
Group 1	liver	27.8	18.7	65.0	20	50	30		290		60	170		90	90	90		890
Group 2	liver	59.7	25.4	59.0	20	60	40		90	30	20	100	1400	40	130	500	160	2590
Group 3	liver	67.8	16.5	66.0	40	60	70		620		270	3300	410	420	240	290		5720
Group 1	gonads	60.8	2.50	83.0	30	30			20			80	60	30	20	40		310
Group 2	gonads	95.7	3.22	75.8	40	30	20		110		30	270	140	50	30	40		760
Group 3	gonads	249.0	7.30	76.2	20	20	20	20	160	20	30	690	350	110	80	100		1620
Group 1	offal	3129	2.40	73.8									10				40	50
Group 2	offal	3237	5.48	71.2		20	20		40		120	320	2200	40	160	370	90	3380
Group 3	offal	4321	6.36	69.8	30	30	50		920	50	130	2600	1200	270	170	350	70	5870

Table 20. Calculation of dioxin TCDD toxicity equivalents for a sediment sample collected at station PC-1, by the U.S. Army Corps of Engineers, St. Andrew Bay, Florida, 1993. Concentrations are pg/gm dry wt.

Analyte	PPT	FACTOR	TEQ
2378-TCDD	0.86	1	0.86
12378-PeCDD	0.72	0.5	0.36
123478-HxCDD	0.74	0.1	0.074
123678-HxCDD	4.97	0.1	0.497
123789-HxCDD	3.05	0.1	0.305
1234678-HpCDD	123.52	0.01	1.2352
OCDD	1717.19	0.001	1.71719
2378-TCDF	5.88	0.1	0.588
12378-PeCDF		0.05	0
23478-PeCDF		0.5	0
123478-HxCDF	0.81	0.1	0.081
123678-HxCDF	0.78	0.1	0.078
234678-HxCDF	0.76	0.1	0.076
123789-HxCDF		0.1	0
1234678-HpCDF	18.33	0.01	0.1833
1234789-HpCDF	1.05	0.01	0.0105
OCDF	88.83	0.001	0.08883
	TOTAL 2378-TCDD EQUIVALENTS >		**6.15402**

Table 21. Calculation of dioxin TCDD toxicity equivalents for a sediment sample collected at station PC-2, by the U.S. Army Corps of Engineers, St. Andrew Bay, Florida, 1993. Concentrations are pg/gm dry wt.

Analyte	PPT	FACTOR	TEQ
2378-TCDD	1.45	1	1.45
12378-PeCDD	0.74	0.5	0.37
123478-HxCDD	0.87	0.1	0.087
123678-HxCDD	3.74	0.1	0.374
123789-HxCDD	3.21	0.1	0.321
1234678-HpCDD	94.74	0.01	0.9474
OCDD	1026.32	0.001	1.02632
2378-TCDF	9.21	0.1	0.921
12378-PeCDF	0.45	0.05	0.0225
23478-PeCDF		0.5	0
123478-HxCDF	0.71	0.1	0.071
123678-HxCDF		0.1	0
234678-HxCDF		0.1	0
123789-HxCDF		0.1	0
1234678-HpCDF	11.63	0.01	0.1163
1234789-HpCDF	0.92	0.01	0.0092
OCDF	57.89	0.001	0.05789
	TOTAL 2378-TCDD EQUIVALENTS >		**5.77361**

Table 22. Calculation of dioxin TCDD toxicity equivalents for a composite sediment sample collected from Watson Bayou, St. Andrew Bay, Florida, 1994. Concentrations are pg/gm dry wt

Analyte	PPT	FACTOR	TEQ
2378-TCDD	2.39	1	2.39
12378-PeCDD	2.57	0.5	1.285
123478-HxCDD	2.86	0.1	0.286
123678-HxCDD	12.9	0.1	1.29
123789-HxCDD	9.48	0.1	0.948
1234678-HpCDD	210	0.01	2.1
OCDD	2136	0.001	2.136
2378-TCDF	18.3	0.1	1.83
12378-PeCDF	1.21	0.05	0.0605
23478-PeCDF	2.45	0.5	1.225
123478-HxCDF	2.86	0.1	0.286
123678-HxCDF	1.72	0.1	0.172
234678-HxCDF	3.47	0.1	0.347
123789-HxCDF		0.1	0
1234678-HpCDF	34.8	0.01	0.348
1234789-HpCDF	1.79	0.01	0.0179
OCDF	74.6	0.001	0.0746
		TOTAL 2378-TCDD EQUIVALENTS >	**14.796**

Table 23. Calculation of dioxin TCDD toxicity equivalents for a composite sediment sample collected in Martin Lake, St. Andrew Bay, Florida, 1994. Concentrations are pg/gm dry wt.

Analyte	PPT	FACTOR	TEQ
2378-TCDD	1.21	1	1.21
12378-PeCDD	5.68	0.5	2.84
123478-HxCDD	5.29	0.1	0.529
123678-HxCDD	18.1	0.1	1.81
123789-HxCDD	17	0.1	1.7
1234678-HpCDD	311	0.01	3.11
OCDD	3873	0.001	3.873
2378-TCDF	6.13	0.1	0.613
12378-PeCDF	2.87	0.05	0.1435
23478-PeCDF	5.16	0.5	2.58
123478-HxCDF	6.68	0.1	0.668
123678-HxCDF	7.6	0.1	0.76
234678-HxCDF	7.78	0.1	0.778
123789-HxCDF		0.1	0
1234678-HpCDF	69.9	0.01	0.699
1234789-HpCDF	4.67	0.01	0.0467
OCDF	83.9	0.001	0.0839
		TOTAL 2378-TCDD EQUIVALENTS >	**21.4441**

Table 24. Calculation of dioxin TCDD toxicity equivalents for a composite sediment sample collected west of Beacon Beach in St. Andrew Bay, Florida, 1995. Concentrations are pg/gm dry wt.

Analyte	PPT	FACTOR	TEQ
2378-TCDD		1.0	0
12378-PeCDD	0.54	0.5	0.27
123478-HxCDD	1.00	0.1	0.1
123678-HxCDD		0.1	0
123789-HxCDD	3.6	0.1	0.36
1234678-HpCDD	56.2	0.01	0.562
OCDD	513	0.001	0.513
2378-TCDF	1.5	0.1	0.15
12378-PeCDF		0.05	0
23478-PeCDF		0.5	0
123478-HxCDF		0.1	0
123678-HxCDF		0.1	0
234678-HxCDF		0.1	0
123789-HxCDF		0.1	0
1234678-HpCDF	2.7	0.01	0.027
1234789-HpCDF		0.01	0
OCDF	4.8	0.001	0.0048
		TOTAL 2378-TCDD EQUIVALENTS >	**1.9868**

Table 25. Calculation of dioxin TCDD toxicity equivalents for a duplicate analysis of the sediment sample collected west of Beacon Beach in St. Andrew Bay, Florida, 1995. Concentrations are pg/gm dry wt.

Analyte	PPT	FACTOR	TEQ
2378-TCDD		1	0
12378-PeCDD		0.5	0
123478-HxCDD	4.2	0.1	0.42
123678-HxCDD	7.0	0.1	0.7
123789-HxCDD	12	0.1	1.2
1234678-HpCDD	192	0.01	1.92
OCDD	1730	0.001	1.73
2378-TCDF	3.7	0.1	0.37
12378-PeCDF	0.9	0.05	0.045
23478-PeCDF		0.5	0
123478-HxCDF	3.1	0.1	0.31
123678-HxCDF	1.2	0.1	0.12
234678-HxCDF	2.4	0.1	0.24
123789-HxCDF		0.1	0
1234678-HpCDF	12.6	0.01	0.126
1234789-HpCDF		0.01	0
OCDF	21.6	0.001	0.0216
		TOTAL 2378-TCDD EQUIVALENTS >	**7.2026**

Table 26. Calculation of dioxin TCDD toxicity equivalents for a composite sediment sample collected northeast of the Dupont Bridge in East Bay, St. Andrew Bay, Florida, August 4, 1997. Concentrations are pg/gm dry wt.

Analyte	PPT	FACTOR	TEQ
2378-TCDD	6.5	1	6.5
12378-PeCDD	4.1	0.5	2.05
123478-HxCDD	7.4	0.1	0.74
123678-HxCDD	23.0	0.1	2.3
123789-HxCDD	26.6	0.1	2.66
1234678-HpCDD	432	0.01	4.32
OCDD	4550	0.001	4.55
2378-TCDF	56.3	0.1	5.63
12378-PeCDF	0	0.05	0
23478-PeCDF	3.6	0.5	1.8
123478-HxCDF	5.2	0.1	0.52
123678-HxCDF	2.2	0.1	0.22
234678-HxCDF	5.9	0.1	0.59
123789-HxCDF	0	0.1	0
1234678-HpCDF	59.2	0.01	0.592
1234789-HpCDF	4	0.01	0.04
OCDF	219	0.001	0.219
	TOTAL 2378-TCDD EQUIVALENTS >		**32.731**

Table 27. Calculation of dioxin TCDD toxicity equivalents for a composite sediment sample collected in West Bay, St. Andrew Bay, Florida, August 4, 1997. Concentrations are pg/gm dry wt.

Analyte	PPT	FACTOR	TEQ
2378-TCDD	1.4	1	1.4
12378-PeCDD	2.8	0.5	1.4
123478-HxCDD	5.2	0.1	0.52
123678-HxCDD	11.2	0.1	1.12
123789-HxCDD	19.4	0.1	1.94
1234678-HpCDD	233	0.01	2.33
OCDD	2500	0.001	2.5
2378-TCDF	10.0	0.1	1.0
12378-PeCDF	0	0.05	0
23478-PeCDF	2.2	0.5	1.1
123478-HxCDF	3.0	0.1	0.3
123678-HxCDF	1.4	0.1	0.14
234678-HxCDF	3.1	0.1	0.31
123789-HxCDF	0	0.1	0
1234678-HpCDF	23	0.01	0.23
1234789-HpCDF	1.5	0.01	0.015
OCDF	48.1	0.001	0.0481
	TOTAL 2378-TCDD EQUIVALENTS >		**14.3531**

Table 28. Scoring and ranking of samples collected at 51 sediment stations in lower St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metals Count	PAH Count	OC Count	All Chem Total
Level 4						
47	WB-10C	SAB, south of paper mill	2	8	2	12
89	SC2-PO	SAB, S of paper mill	1	5	6	12
66	A15-C	SAB NNE of Smack Bayou mouth	2	5	4	11
91	SC4-PO	SAB, S of paper mill	2	9	0	11
93	SC6-PO	SAB, S of paper mill	0	10	0	10
47	WB-10B	SAB, south of paper mill	2	6	2	10
92	SC5-PO	SAB, S of paper mill	1	6	2	9
47	WB-10A	SAB, south of paper mill	3	2	4	9
88	SC1-PO	SAB, S of paper mill	3	6	0	9
90	SC3-PO	SAB, S of paper mill	2	4	0	6
94	SC7-PO	SAB, S of paper mill	1	5	0	6
Level 3						
14	SABS-14	Port Panama City, west	1	1	2	4
16	SABS-16	Bay Point Marina	3	0	1	4
8	SABS-8	Treasure Ship Marina	0	0	4	4
77	C2-A	SAB, E of St. Andrew Marina	1	0	2	3
58	A10-A	SAB, SE of Town Pt.	2	1	0	3
1	SABS-1	So. of Panama City Marina	0	2	1	3
12	SABS-12	St. Andrew Marina	0	0	3	3
9	SABS-9	Captain Anderson's Marina	0	0	3	3
Level 2						
79	C3-A	SAB, SW of Lake Huntington	1	1	0	2
63	A13-B	SAB, E of Redfish Pt.	1	1	0	2
62	A13-A	SAB, Bunkers Cove	2	0	0	2
61	A12-B	SAB, SW of Town Pt.	2	0	0	2
57	A9-C	SAB, SE of fl rd "24"	2	0	0	2
7	SABS-7	upper Grand Lagoon	0	0	2	2
55	A9-A	SAB, SE of Town Pt,	2	0	0	2
53	A6-A	SAB, NW of Military Pt.	2	0	0	2
50	A2-A	SAB, SW of Donaldson Pt.	2	0	0	2
54	A6-B	SAB, NW of Military Pt.	2	0	0	2
76	B6-C	SAB, NNW of Redfish Pt.	1	0	0	1
72	B3-B	SAB, S of qk fl "15" nav. lt	1	0	0	1
78	C2-B	SAB, N or Courtney Pt.	1	0	0	1
80	C3-B	SAB, NE of bl C "13" nav mkr	0	1	0	1
59	A11-A	SAB, S of Town Pt.	0	1	0	1
82	D3-B	SAB NNE of Spanish Shanty Pt	1	0	0	1
71	B3-A	SAB, S of qk fl "15" nav. lt	1	0	0	1
60	A12-A	SAB, SW of Town Pt.	1	0	0	1
65	A15-B	SAB, E of Redfish Pt.	1	0	0	1

Table 28 continued next page

Table 28 continued. Scoring and ranking of samples collected at 51 sediment stations in lower St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metals Count	PAH Count	OC Count	All Chem Total
Level 2 continued						
75	B6-B	SAB, NW of Redfish Pt.	1	0	0	1
69	B2-A	SAB, SE of qk fl "15" nav lt	1	0	0	1
70	B2-B	SAB, SE of qk fl "15" nav lt	1	0	0	1
Level 1						
10	SABS-10	lower Grand Lagoon channel	0	0	0	0
13	SABS-13	Port Panama City, south	0	0	0	0
6	SABS-6	N of ctr of Shell Island	0	0	0	0
13	PCPT-So	Port Panama City, South	0	0	0	0
11	SABS-11	black can "5" nav. marker	0	0	0	0
56	A9-B	SAB, SE of Town Pt.	0	0	0	0
81	D3-A	SAB 2000yd WNW TAFB Ycht Clb	0	0	0	0
51	A2-B	SAB, SW of Donaldson Pt.	0	0	0	0
52	A5-A	SAB, NW of Military Pt.	0	0	0	0
74	B6-A	SAB, E of qk fl G 17ft "3"	0	0	0	0
73	B4-A	SAB, SW of Davis Point	0	0	0	0
64	A15-A	SAB, NE of Redfish Pt.	0	0	0	0
5	SABS-5	"15" quick flash nav. light	0	0	0	0
103	NvL-1	SAB, outer end, Navy channel	0	0	0	0

Table 29. Scored and ranked samples collected at stations within East Bay, St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metals Count	PAH Count	OC Count	All Chem Total
Level 3						
85	E2-B	E. Bay, E of QG 17ft "45"	2	1	0	3
Level 2						
84	E2-A	E. Bay, NE of QG 17ft "45"	0	2	0	2
83	E1-A	E. Bay, NE of QG 17ft "43"	1	0	0	1
Level 1						
18	SABE-2	E. Bay, Eastern Marine	0	0	0	0
19	SABE-3	E. Bay, qk fl "43" nav. lt.	0	0	0	0
86	E3-A	E. Bay, N of QG 17ft "45"	0	0	0	0
87	E5-A	E. Bay, SE of Dupont Bridge	0	0	0	0

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Table 30. Samples scored and ranked for stations located in North Bay, St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metal Count	PAH Count	OC Count	All Chem Total
Level 2						
32	SABN-11	N. Bay, below Deer Pt. Dam	1	0	0	1
Level 1						
28	SABN-7	N. Bay, fl rd "6" nav. lt.	0	0	0	0
29	SABN-8	N. Bay, so. of West Bay Pt.	0	0	0	0

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Table 31. Samples scored and ranked for stations in West Bay, St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metal Count	PAH Count	OC Count	All Chem Total
Level 1						
34	SABW-1	W. Bay, Warren Bayou	0	0	0	0
35	SABW-2	W. Bay, bl C "3" nav. mark.	0	0	0	0
36	SABW-3	W. Bay, Burnt Mill Creek	0	0	0	0
37	SABW-4	W. Bay, Botheration Bayou	0	0	0	0

Table 32. Samples scored and ranked for all stations within Watson Bayou, St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metals	PAHs	OCs	Total
Level 4						
38	WB-1B	Watson Bayou, Lake Van Vac	8	14	4	26
39	WB-2A	Watson Bayou, u. Long Cove	3	13	6	22
43	WB-6B	Watson Bayou, Bay Mar.& Ship	6	11	4	21
39	WB-2C	Watson Bayou, u. Long Cove	5	12	4	21
40	WB-3A	Watson Bayou, l. Long Cove	7	7	6	20
39	WB-2B	Watson Bayou, u. Long Cove	7	8	4	19
40	WB-3B	Watson Bayou, l. Long Cove	5	9	4	18
43	WB-6A	Watson Bayou, Bay Mar.& Ship	4	5	4	13
45	WB-8C	Watson Bayou, P.C. STP	9	1	2	12
38	WB-1C	Watson Bayou, Lake Van Vac	4	6	2	12
40	WB-3C	Watson Bayou, l. Long Cove	5	4	2	11
38	WB-1A	Watson Bayou, Lake Van Vac	3	4	4	11
41	WB-4C	Watson Bayou, E. Mar. Const.	4	5	2	11
43	WB-6C	Watson Bayou, Bay Mar.& Ship	6	1	3	10
45	WB-8A	Watson Bayou, P.C. STP	4	1	4	9
41	WB-4B	Watson Bayou, E. Mar. Const.	3	4	2	9
46	WB-9A	Watson Bayou, N. of Hwy 98	3	1	4	8
46	WB-9B	Watson Bayou, N. of Hwy 98	5	0	2	7
42	WB-5A	Watson Bayou, E. Mar. Repair	2	1	4	7
39	WB-2	Watson Bayou, u. Long Cove	0	3	4	7
44	WB-7B	Watson Bayou, Hill Petroleum	5	0	2	7
46	WB-9C	Watson Bayou, N. of Hwy 98	5	0	2	7
48	WB-11	Watson B, 100 yds N of mouth	1	3	2	6
41	WB-4A	Watson Bayou, E. Mar. Const.	1	1	4	6
Level 3						
44	WB-7C	Watson Bayou, Hill Petroleum	4	0	0	4
42	WB-5C	Watson Bayou, E. Mar. Repair	1	0	2	3
Level 2						
45	WB-8B	Watson Bayou, P.C. STP	1	0	0	1
44	WB-7A	Watson Bayou, Hill Petroleum	1	0	0	1
42	WB-5B	Watson Bayou, E. Mar. Repair	1	0	0	1

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Table 33. Scoring and ranking of samples collected at stations within Massalina Bayou, St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metals	PAHs	OCs	Total
Level 4						
99	MB-1	SAB, Massalina Bayou upper	8	8	4	20
100	MB-2	SAB, Massalina Bayou middle	8	5	4	17
2	MB-3	SAB, Massalina Bayou lower	5	6	4	15
2	SABS-2	SAB, Massalina Bayou lower	5	2	4	11

Table 34. Scoring and ranking of all samples collected at other bayou stations in St. Andrew Bay, Florida.

Stat. #	Other ID	Geographical Name	Metals	PAHs	OCs	Total
Level 4						
95	ML2-PO	Martin Lk E of hwy 98 bridge	6	15	0	21
49	ML-1A	Martin Lake, S of Cherry St.	0	11	0	11
49	ML-1B	Martin Lake, S of Cherry St.	0	11	0	11
102	RB-2	N. Bay Robinson Bayou middle	1	3	4	8
98	LKH	SAB, Lake Huntington middle	2	1	4	7
67	A16-A	SAB, bayou SW of Military Pt	3	0	4	7
3	SABS-3	Pearl Bayou	3	0	4	7
4	SABS-4	Freshwater Bayou	2	0	3	5
Level 3						
21	SABE-5	E. Bay, Shoal Point Bayou	0	0	4	4
33	SABN-12	N. Bay, Poston Bayou	0	0	4	4
101	RB-1	N. Bay Robinson Bayou middle	0	0	4	4
22	SABN-1	N. Bay, Robinson Bayou	1	0	3	4
96	NwB-1	N. Bay, Newman Bayou middle	0	0	4	4
49	ML-1C	Martin Lake, S of Cherry St.	0	3	0	3
68	A17-A	inside mouth of Smack Bayou	0	0	3	3
17	SABE-1	E. Bay, Callaway Bayou	0	0	3	3
Level 2						
20	SABE-4	E. Bay, Little Cedar Bayou	0	0	2	2
15	SABS-15	Alligator Bayou (Navy Lab)	0	0	2	2
23	SABN-2	N. Bay, Goose Bayou	0	0	1	1
Level 1						
27	SABN-6	N. Bay, Fanning Bayou	0	0	0	0
30	SABN-9	N. Bay, Alligator Bayou	0	0	0	0
25	SABN-4	N. Bay, Lynn Haven Bayou	0	0	0	0
26	SABN-5	N. Bay, Beatty Bayou	0	0	0	0
31	SABN-10	N. Bay, Mud Bayou	0	0	0	0
24	SABN-3	N. Bay, Upper Goose Bayou	0	0	0	0

SEDIMENT CHEMICAL DATABASES

METALS

ORGANOCHLORINE PESTICIDES AND PCBs

POLYCYCLIC AROMATIC HYDROCARBONS

ALIPHATIC HYDROCARBONS

Appendix 1A. Metals Sediment Data Base for St. Andrew Bay, Florida. Sediment concentrations are mg/kg (ppm) dry weight.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meter)	% TOC	% Sand	% Silt	% Clay	Metals Sample Date
1	SABS-1	So. of Panama City Marina	38-08-03(05)	85-40-02(03)				0.0					08/27/85
2	SABS-2	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/27/85
2	MB-3	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/15/88
3	SABS-3	Pearl Bayou	30-06-05(08)	85-37-20(34)				0.0					08/27/85
4	SABS-4	Freshwater Bayou	30-07-11(19)	85-39-03(05)				0.0					08/27/85
5	SABS-5	"15" quick flash nav. light	30-08-37(62)	85-41-15(25)				0.0					08/27/85
6	SABS-6	N of ctr of Shell Island	30-05-53(88)	85-41-03(05)				0.0					08/27/85
7	SABS-7	upper Grand Lagoon	30-09-14(24)	85-45-38(63)				0.0					08/28/85
8	SABS-8	Treasure Ship Marina	30-08-34(57)	85-44-54(90)				0.0					08/28/85
9	SABS-9	Captain Anderson's Marina	30-08-52(87)	85-44-52(87)				0.0					08/28/85
10	SABS-10	lower Grand Lagoon channel	30-08-31(52)	85-44-14(23)				0.0					08/28/85
11	SABS-11	black can "5" nav. marker	30-08-22(37)	85-41-54(90)				0.0					08/28/85
12	SABS-12	St. Andrew Marina	30-10-05(08)	85-42-14(23)				0.0					08/28/85
13	SABS-13	Port Panama City, south	30-10-32(54)	85-43-56(93)				0.0					08/28/85
13	PCPT-So	Port Panama City, South	30-10-32(54)	85-43-56(93)				0.0					08/28/85
14	SABS-14	Port Panama City, west	30-10-41(68)	85-44-03(05)				0.0					09/08/88
15	SABS-15	Alligator Bayou (Navy Lab)	30-10-21(35)	85-45-29(48)				0.0					08/29/85
16	SABS-16	Bay Point Marina	30-08-35	85-43-50				0.0					08/29/85
17	SABE-1	E. Bay, Callaway Bayou	30-08-11	85-34-08				0.0					08/29/85
18	SABE-2	E. Bay, Eastern Marine	30-01-47	85-28-36				0.0					08/29/85
19	SABE-3	E. Bay, qk fl "43" nav. lt.	30-08-16	85-33-23				0.0					08/29/85
20	SABE-4	E. Bay, Little Cedar Bayou	30-04-53	85-33-26				0.0					08/29/85
21	SABE-5	E. Bay, Shoal Point Bayou	30-05-14	85-35-11				0.0					08/29/85
22	SABN-1	N. Bay, Robinson Bayou	30-12-33	85-41-52				0.0					09/04/85
23	SABN-2	N. Bay, Goose Bayou	30-13-16	85-41-00				0.0					09/04/85
24	SABN-3	N. Bay, Upper Goose Bayou	30-14-05	85-40-14				0.0					09/04/85
25	SABN-4	N. Bay, Lynn Haven Bayou	30-14-58	85-39-52				0.0					09/04/85
26	SABN-5	N. Bay, Beatty Bayou	30-14-57	85-37-19				0.0					09/04/85
27	SABN-6	N. Bay, Fanning Bayou	30-16-26	85-39-10				0.0					09/04/85
28	SABN-7	N. Bay, fl rd "6" nav. lt.	30-15-03	85-41-02				0.0					09/04/85
29	SABN-8	N. Bay, so. of West Bay Pt.	30-13-15	85-43-21				0.0					09/04/85
30	SABN-9	N. Bay, Alligator Bayou	30-15-41	85-41-57				0.0					09/04/85
31	SABN-10	N. Bay, Mud Bayou	30-14-19	85-42-46				0.0					09/05/85
32	SABN-11	N. Bay, below Deer Pt. Dam	30-16-00	85-36-26				0.0					09/05/85

Appendix 1A cont'd.

Sta No.	Ag Geom. Mean	ERL 0-1.0	Ag ERL-M 1.1-3.7	ERM >3.7	Al Geom. Mean	Al	As Geom. Mean	ERL 0-8	As ERL-M 8-70	ERM 71->	B Geom. Mean	B	Ba Geom. Mean	Ba
1		nd <0.2				7100		5				10		11
2		nd <0.2				6190		5				5		13
2		nd <0.2				17300		8				32		81
3		nd <0.2				1670		0.78				3		2
4		nd <0.2				7330		2				13		5
5		nd <0.2				7510		8				8		12
6		nd <0.2				15400		7				16		20
7		nd <0.2				1930		1				6		2
8		nd <0.2				3090		1				9		4
9		nd <0.2				1190		1				4		1
10		nd <0.2				302		0.25				1		1
11		nd <0.2				6890		5				9		11
12		nd <0.2				1090		1				4		24
13		nd <0.2				10500		7				14		96
13		nd <2				19800		6				34		29
14		nd <0.2				7840		4				11		179
15		nd <0.2				3090		2				5		4
16		nd <0.2				1210		1				8		1
17		nd <0.2				12700		5				11		8
18		nd <0.2				6850		4				4		5
19		nd <0.2				22300		5				10		14
20		nd <0.2				1830		1				3		1
21		nd <0.2				9720		8				6		8
22		nd <0.2				3640		2				10		21
23		nd <0.2				9000		2				12		7
24		nd <0.2				1760		2				5		1
25		nd <0.2				3810		2				7		4
26		nd <0.2				14500		7				10		10
27		nd <0.2				6970		3				7		6
28		nd <0.2				18700		5				14		11
29		nd <0.2				19100		6				13		15
30		nd <0.2				5880		5				6		7
31		nd <0.2				4350		1				6		3
32		nd <0.2				22000			11			12		28

Appendix 1A cont'd

Sta No.	Be Geom. Mean	Be	Cd Geom. Mean	ERL 0-1.2	Cd ERL-M 1.3-9.6	ERM >9.6	Cr Geom. Mean	ERL 0-81	Cr ERL-M 82-370	ERM >370	Cu Geom. Mean	ERL 0-34	Cu ERL-M 35-270	ERM >270	Fe Geom. Mean	Fe
1		0.32		0.05				37				9				7940
2		0.18		0.3					110				50			9060
"		0.48		0.6				34					251			12300
3		0.06		0.1					109			4				2170
4		0.32		0.2					82			6				7690
5		0.38		0.1				34				7				9150
6		0.71		0.1				36				13				15500
7		0.06		0.1				5				2				1890
8		0.11		0.1				8				11				3090
9		0.05		0.1				4				5				1210
10		0.0035		0.1				1				1				241
11		0.34		0.05				17				5				8400
12		0.03		0.05				4				21				1590
13		0.45		0.05				27				12				11400
"		0.74		nd <.3				34				7				13500
14		0.34		0.05				23				21				10200
15		0.13		0.05				10				12				4460
16		0.04		0.05					160			5				1720
17		0.5		0.05				45				5				15900
18		0.27		0.05				6				2				9000
19		1		0.05				48				7				27100
20		0.07		0.05				9				1				2150
21		0.36		0.3				21				8				10100
22		0.39		0.05				10					174			4780
23		0.26		0.05				22				5				5610
24		0.08		0.05				6				1				2330
25		0.17		0.05				6				4				4840
26		0.7		0.05				66				4				20300
27		0.29		0.05				14				3				8410
28		0.9		0.05				43				5				21400
29		0.91		0.05				57				11				23800
30		0.23		0.05				15				13				17300
31		0.16		0.05				11				2				4740
32		1		0.05				62				8				22800

Appendix 1A cont'd.

Sta No.	Hg Geom. Mean	ERL 0-.15	Hg ERL-M .16-.71	ERM >.71	Mg Geom. Mean	Mg	Mn Geom. Mean	Mn	Mo Geom. Mean	Mo	Ni Geom. Mean	ERL 0-20.9	Ni ERL-M 21-51.6	ERM >51.6
1		0.07				4950		113		0.45		14		
2			0.48			2140		29		3			50	
"				1.2		4920		46		2		7		
3		0.025				1040		17		2				53
4		0.025				4710		31		3			36	
5		0.06				6390		115		2		12		
6		0.08				9590		162		1		10		
7		0.025				1460		6		1		1		
8		0.05				2480		13		1		2		
9		0.025				1040		5		2		1		
10		0.025				440		1		0.2		0.4		
11		0.05				5170		86.9		0.5		5		
12		0.05				798		7		1		1		
13		0.12				7740		171		0.5		7		
"		0.09				8520		135		1		9		
14		0.15				6190		159		0.5		6		
15		0.08				1370		12		2		3		
16		0.025				1170		20		4				75
17		0.025				6170		40		1		14		
18		0.025				2790		20		0.5		2		
19		0.08				9850		139		3		11		
20		0.025				722		4		1		0.35		
21		0.1				2990		27		0.5		5		
22		0.025				1580		23		2		8		
23		0.025				3130		15		2		4		
24		0.025				1320		7		1		1		
25		0.025				2050		11		1		2		
26		0.025				7500		32		3		16		
27		0.025				3770		20		1		3		
28		0.025				9760		81		1		10		
29		0.13				9760		223		1		16		
30		0.025				1990		60		2		6		
31		0.025				1860		11		2		2		
32		0.07				9610		70		1		10		

Appendix 1A cont'd.

Sta No.	Pb Geom. Mean	ERL 0-47	Pb ERL-M 48-218	ERM >218	Se Geom. Mean	Se	Sn Geom. Mean	Sn	Sr Geom. Mean	Sr	Tl Geom. Mean	Tl	V Geom. Mean	V
1		15				0.5				129		nd <6		10
2			76			0.5				31		nd <6		12
"			130			0.6				60		nd <6		22
3		5				0.3				8		nd <6		3
4		7				0.6				27		nd <6		10
5		16				0.6				265		nd <6		14
6		22				0.8				330		nd <6		22
7		1				0.3				10		nd <6		3
8		7				0.4				24		nd <6		5
9		2				0.2				13		nd <6		3
10		1				0.1				14		nd <6		1
11		10				0.4				266		nd <6		10
12		19				0.2				18		nd <6		2
13		31				0.6				113		nd <6		12
"		15				0.7				97		nd <4		21
14			54			0.4				83		nd <6		11
15		28				0.4				12		nd <6		6
16		1				0.3				10		nd <6		4
17		11				0.4				28		nd <6		12
18		4				0.4				51		6		9
19		18				0.5				55		nd <6		16
20		5				0.2				7		nd <6		4
21		21				0.6				28		nd <6		16
22		22				0.3				32		nd <6		6
23		8				0.3				24		nd <6		19
24		1				0.2				8		nd <6		4
25		4				0.2				23		nd <6		6
26		9				0.6				57		nd <6		18
27		6				0.4				27		nd <6		8
28		13				0.6				60		nd <6		14
29		28				0.6				94		nd <6		15
30		5				0.6				23		nd <6		14
31		3				0.2				13		nd <6		6
32		19				1.1				186		nd <6		22

Appendix 1A cont'd.

Sta No.	Zn Geom. Mean	ERL 0-150	Zn ERL-M 151-410	ERM >410
1		29		
2		115		
"			197	
3		4		
4		10		
5		20		
6		38		
7		5		
8		40		
9		17		
10		1		
11		19		
12		43		
13		50		
"		32		
14		88		
15		47		
16		3		
17		17		
18		5		
19		30		
20		5		
21		25		
22		127		
23		11		
24		2		
25		9		
26		20		
27		9		
28		20		
29		49		
30		6		
31		2		
32		34		

Appendix 1A cont'd

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meter)	% TOC	% Sand	% Silt	% Clay	Metals Sample Date
33	SABN-12	N. Bay, Poston Bayou	30-11-14	85-43-00				0.0					09/05/85
34	SABW-1	W. Bay, Warren Bayou	30-16-38	85-44-14				0.0					09/05/85
35	SABW-2	W. Bay, bl C "3" nav. mark.	30-15-37	85-47-00				0.0					09/05/85
36	SABW-3	W. Bay, Burnt Mill Creek	30-18-17	85-45-38				0.0					09/05/85
37	SABW-4	W. Bay, Botheration Bayou	30-15-32	85-49-36				0.0					09/05/85
38	WB-1A	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
38	WB-1B	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9						07/23/85
38	WB-1C	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9						07/23/85
39	WB-2A	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
39	WB-2B	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5						07/23/85
39	WB-2C	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5						07/23/85
39	WB-2	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5						08/12/88
40	WB-3A	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
40	WB-3B	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13						07/23/85
40	WB-3C	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13						07/23/85
41	WB-4A	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
41	WB-4B	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16						07/23/85
41	WB-4C	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16						07/23/85
42	WB-5A	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
42	WB-5B	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11						07/23/85
42	WB-5C	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11						07/23/85
43	WB-6A	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
43	WB-6B	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10						07/23/85
43	WB-6C	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10						07/23/85
44	WB-7A	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
44	WB-7B	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18						07/23/85
44	WB-7C	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18						07/23/85
45	WB-8A	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
45	WB-8B	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12						07/23/85
45	WB-8C	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12						07/23/85
46	WB-9A	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85
46	WB-9B	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4						07/23/85

Appendix 1A cont'd.

Sta No.	Ag Geom. Mean	ERL 0-1.0	Ag ERL-M 1.1-3.7	ERM >3.7	Al Geom. Mean	Al	As Geom. Mean	ERL 0-8	As ERL-M 8-70	ERM 71->	B Geom. Mean	B	Ba Geom. Mean	Ba
33		nd <0.2				9640		4				8		8
34		nd <0.2				3490		4				5		4
35		nd <0.2				21300		5				11		12
36		nd <0.2				4360		2				5		4
37		nd <0.2				2550		1				4		2
38		0.25				6870		6.1				11		7.8
38			2.2			18600			11			50		23.3
38	0.76	0.8			12366	14800	9		11		21	18	14	17
39		0.6				7340		4.2				8		14.2
39		1				41700			18			150		46
39	0.84	1			16620	15000	9		8.5		28	18	22	18
39		nd <2				44300			16			70		33.2
40		1				10900			8.3			23		19.2
40		0.8				7960		4.3				16		14
40	0.82	0.7			8062	6040	5	4.5			15	9	14	10.8
41		0.25				9080		3.8				22		8
41		0.2				3170		2.4				10		6.7
41	0.35	0.9			5876	7050	3	4.4			16	20	9	14.8
42		nd				14600		7.1				30		17.3
42		nd				7220		3.4				12		8.2
42	0	nd			11192	13300	4.9	5			21	24	12	12.2
43		0.6				8470		4.6				14		10
43		1				15600			10			40		26.2
43	0.84	1			11118	10400	6.8	6.7			21	17	16	16.7
44		0.25				16600		5.4				22		12.5
44		1.6				12000		6.4				20		25.7
44	0.46	0.25			12515	9840	5.6	5.1			20	19	17	14.3
45			2			14700		6.8				26		23.6
45		0.25				14500		6.6				23		13.9
45	1.3			4.4	15299	16800	7.4		9.1		25	26	24	42.1
46		0.8				12700		7.6				10		12
46		1				17300			10			18		16.8

Appendix 1A cont'd

Sta No.	Be Geom. Mean	Be	Cd Geom. Mean	ERL 0-1.2	Cd ERL-M 1.3-9.6	ERM >9.6	Cr Geom. Mean	ERL 0-81	Cr ERL-M 82-370	ERM >370	Cu Geom. Mean	ERL 0-34	Cu ERL-M 35-270	ERM >270	Fe Geom. Mean	Fe
33		0.24		0.2				12				10				6860
34		0.16		0.05				4				2				5220
35		0.88		0.05				57				5				22000
36		0.16		0.05				4				1				4980
37		0.09		0.05				0.25				1				2210
38		0.23		0.1					103			16				7650
"		0.63		0.96				63					61.4			18700
"	0.39	0.41	0.34	0.4			72	59			30	27			12783	14600
39		0.24		0.4					84			40				6450
"		0.8		0.4				53					90.3			15700
"	0.42	0.4	0.36	0.3			58	43			63		70.8		10460	11300
		0.87			2			62					112			22900
40		0.41		0.6					110				110			12800
"		0.25		0.3					131				131			6950
"	0.28	0.22	0.3	0.1			120		120		39		120		8499	6900
41		0.47		0.1				67				6.9				12000
"		0.15		0.3					144			16				4240
"	0.27	0.29	0.2	0.3			100		104		16		36		7460	8160
42		0.73		0.1				44					54.3			20200
"		0.37		0.3				77				16				9310
"	0.56	0.66	0.14	0.1			62	70			20	9.2			14615	16600
43		0.36		0.1				79					53.3			11200
"		0.6		0.5				58					82.6			19400
"	0.43	0.38	0.2	0.15			78		104		91		169		14279	13400
44		0.72		0.1				63				11				19100
"		0.45		0.3					84				65.6			14200
"	0.51	0.42	0.14	0.1			87		124		27	26			14982	12400
45		0.56		1.2				57					43			17800
"		0.58		0.1				50				19				17400
"	0.57	0.57	0.45	0.8			58	68			42		87.7		18086	19100
46		0.45		0.3				68				20				15500
"		0.56		0.5				79				29				20700

Appendix 1A cont'd.

Sta No.	Hg Geom. Mean	ERL 0-.15	Hg ERL-M .16-.71	ERM >.71	Mg Geom. Mean	Mg	Mn Geom. Mean	Mn	Mo Geom. Mean	Mo	Ni Geom. Mean	ERL 0-20.9	Ni ERL-M 21-51.6	ERM >51.6
33		0.11				2500		12		2		4		
34		0.025				1640		10		3		2		
35		0.025				9760		90		1		11		
36		0.025				2120		13		0.35		2		
37		0.025				1150		8		0.5		1		
38			0.21			3070		33.4		4.5			48	
"				0.75		9790		89.4		9.8			21	
"	0.35		0.28		4839	3770	48	36.9	7	7.7	28		21	
39			0.52			2130		30		5.3			45	
"				1.5		69300		86		5			23	
"	0.81		0.69		10022	6820	47	40.4	6	7.8	26	18		
			1.1			30000		87.9		6			22	
40			0.45			5250		63.5		6.3			49	
"			0.23			2780		41.7		5.3				65
"	0.27		0.19		3517	2980	47	38.8	5	3	56			56
41		0.025				5770		43.1		1			26	
"		0.1				2140		32.1		3.8				69
"	0.09		0.25		3684	4050	40	45.3	2	3.9	44		48	
42			0.19			11600		68.8		3		12		
"		0.07				4830		37.4		2			33	
"	0.07	0.025			7828	8560	54	60.5	2	1	21		24	
43			0.38			3640		42		5			33	
"				0.76		9930		80.9		6		18		
"	0.58		0.68		5597	4850	57	54.7	5	5	29		43	
44		0.08				9320		63		1			21	
"			0.57			6590		58.1		3			34	
"	0.2		0.17		6905	5360	59	54.8	2	3	34			57
45			0.39			8130		63		4		19		
"			0.18			8580		58		2		16		
"	0.38			0.8	8129	7700	65	73.5	4	7	19		24	
46			0.17			3820		41		2			26	
"			0.3			5530		55		4			27	

Appendix 1A cont'd.

Sta No.	Pb Geom. Mean	ERL 0-47	Pb ERL-M 48-218	ERM >218	Se Geom. Mean	Se	Sn Geom. Mean	Sn	Sr Geom. Mean	Sr	Tl Geom. Mean	Tl	V Geom. Mean	V
33		33				0.7				27		nd <6		12
34		3				0.5				13		nd <6		8
35		13				0.6				72		nd <6		17
36		4				0.2				13		nd <6		5
37		1				0.1				6		7		4
38		29				0.81				26.5		nd <20		16
"			110			1.9				77.9		nd <20		43
"	78		150		1.3	1.4			43	38.8		nd <20	29	37
39		36				0.4				34.3		nd <20		22
"			96			1				355		nd <20		57.1
"	65		79		0.69	0.82			88	55.3		nd <20	36	38
			150			1.1				198		nd <4		62.6
40			61			1.1				43.6		nd <20		26
"		32				0.65				26.4		nd <20		17
"	39	30			0.8	0.64			31	25.9		nd <20	18	13
41		10				0.68				30.2		nd <20		12
"		15				0.4				22		nd <20		8.9
"	17	33			0.6	0.7			30	39.5		nd <20	12	15
42		30				1				68.9		nd <20		20
"		9				0.61				57.9		nd <20		10
"	14	11			0.8	0.85			56	43.3		nd <20	15	16
43			50			0.78				24.1		nd <20		16
"			83			1.4				58.8		nd <20		26
"	71		88		1	0.79			37	36.7		nd <20	20	20
44		15				1				52.4		nd <20		18
"			57			0.9				52.9		nd <20		18
"	27	23			0.9	0.74			61	83.5		nd <20	17	14
45			52			0.93				60.4		nd <20		21
"		27				0.88				57.8		nd <20		20
"	51		97		1	1.2			57	53.1		nd <20	22	26
46			61			0.78				26.3		nd <20		22
"			93			1.1				38.2		nd <20		30

Appendix 1A cont'd.

Sta No.	Zn Geom. Mean	ERL 0-150	Zn ERL-M 151-410	ERM >410
33		44		
34		6		
35		18		
36		3		
37		0.05		
38		44.2		
"			202	
"	98	107		
39		121		
"			215	
"	179		222	
				468
40			242	
"		138		
"	149	100		
41		18		
"		35.1		
"	38	85.2		
42		57.8		
"		19		
"	28	21		
43		87.7		
"			162	
"	136		176	
44		29.7		
"		124		
"	53	41.5		
45		117		
"		59.2		
"	117		233	
46		106		
"			161	

Appendix 1A cont'd

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meter)	% TOC	% Sand	% Silt	% Clay	Metals Sample Date
46	WB-9C	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4						07/23/85
47	WB-10A	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
47	WB-10B	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16						07/23/85
47	WB-10C	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16						07/23/85
48	WB-11	Watson B, 100 yds N of mouth	30-08-25(42)	85-38-05(08)	14139.6	46990.1	22	6.7					
49	ML-1A	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
49	ML-1B	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8						08/02/85
49	ML-1C	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8						08/02/85
50	A2-A	SAB, SW of Donaldson Pt.	30-06-52(87)	85-36-43(72)	14142.7	46973.2	31	9.4		1.97	67.65	30.38	08/02/88
51	A2-B	SAB, SW of Donaldson Pt.	30-06-49(81)	85-37-01(01)	14140.3	46973.4	26	7.9		6.22	34.6	59.18	08/02/88
52	A5-A	SAB, NW of Military Pt.	30-07-35(75)	85-37-35(58)	14140.4	46983.0	32	9.8		66.45	28.54	5.01	08/02/88
53	A6-A	SAB, NW of Military Pt.	30-07-41(68)	85-37-50(84)	14138.1	46983.0	32	9.8		2.13	70.41	27.46	08/02/88
54	A6-B	SAB, NW of Military Pt.	30-07-32(53)	85-37-50(84)	14137.4	46981.7	30	9.1		19.22	57.71	23.07	08/03/88
55	A9-A	SAB, SE of Town Pt,	30-07-54(54)	85-38-22(36)	14135.2	46986.2	24	7.3		4.76	46.78	48.46	08/03/88
56	A9-B	SAB, SE of Town Pt.	30-07-44(73)	85-38-19(32)	14134.7	46984.6	38	11.6		37.27	49.65	13.09	08/03/88
57	A9-C	SAB, SE of fl rd "24"	30-07-20(33)	85-38-22(36)	14132.6	46981.2	26	7.9		3.88	36.73	59.39	08/04/88
58	A10-A	SAB, SE of Town Pt.	30-07-55(91)	85-38-34(56)	14133.7	46986.7	25	7.6		1.9	72.94	25.15	08/04/88
59	A11-A	SAB, S of Town Pt.	30-07-38(64)	85-38-52(86)	14130.2	46985.1	24	7.3		72.01	17.98	10.01	08/04/88
60	A12-A	SAB, SW of Town Pt.	30-07-59(98)	85-39-16(59)	14128.7	46988.9	29	8.8					08/04/88
61	A12-B	SAB, SW of Town Pt.	30-07-50(84)	85-39-23(39)	14127.1	46988.0	24	7.3		3.61	37.84	58.55	08/04/88
62	A13-A	SAB, Bunkers Cove	30-08-29(48)	85-39-07(12)	14132.1	46993.0	22	6.7		1.13	72.53	26.35	08/04/88
63	A13-B	SAB, E of Redfish Pt.	30-08-32(54)	85-39-58(97)	14125.8	46995.4	33	10.1		0	67.46	32.54	08/04/88
64	A15-A	SAB, NE of Redfish Pt.	30-08-40(67)	85-39-46(77)	14128.0	46996.1	40	12.2		73.51	22.06	4.43	08/09/88
65	A15-B	SAB, E of Redfish Pt.	30-08-29(48)	85-39-53(89)	14126.2	46994.7	34	10.4		1.26	50.1	48.64	08/09/88
66	A15-C	SAB NNE of Smack Bayou mouth	30-08-02(04)	85-39-50(83)	14124.6	46990.7	19	5.8		28.77	28.31	42.93	08/09/88
67	A16-A	SAB, bayou SW of Military Pt	30-07-24(40)	85-37-30(50)	14139.4	46979.8	6.5	2.0		12.65	63.08	24.27	09/02/88
68	A17-A	inside mouth of Smack Bayou	30-07-49(82)	85-39-55(91)	14123.0	46989.0	14	4.3					09/07/88
69	B2-A	SAB, SE of qk fl "15" nav lt	30-08-26(44)	85-41-07(11)	14116.6	46997.0	38	11.6		3.47	72.01	24.52	08/09/88
70	B2-B	SAB, SE of qk fl "15" nav lt	30-08-23(39)	85-40-59(98)	14117.4	46996.3	36	11.0		0.95	61.76	37.29	08/09/88
71	B3-A	SAB, S of qk fl "15" nav. lt	30-08-17(28)	85-41-23(39)	14113.7	46996.2	38	11.6		53.67	26.93	19.41	08/10/88
72	B3-B	SAB, S of qk fl "15" nav. lt	30-08-05(09)	85-41-13(22)	14114.1	46994.2	34	10.4		32.21	39.97	27.82	08/10/88
73	B4-A	SAB, SW of Davis Point	30-07-04(07)	85-41-31(52)	14107.2	46986.0	30	9.1					08/10/88

Appendix 1A cont'd.

Sta No.	Ag Geom. Mean	Ag ERL 0-1.0	Ag ERL-M 1.1-3.7	Ag ERM >3.7	Al Geom. Mean	Al	As Geom. Mean	As ERL 0-8	As ERL-M 8-70	As ERM 71->	B Geom. Mean	B	Ba Geom. Mean	Ba
46	0.93	1			16073	18900	10		12		14	15	16	19.3
47		nd				5680			21			18		42
47		nd				2990		1				20		126
47		nd			5538	10000	4.6	4.6			22	29	70	65.9
48		0.5				15000		5.6				26		22
49		nd				5960		3.2				27		9.7
49		nd				4000		2				24		8.2
49		nd			7312	16400	3.7	7.8			27	29	10	13.7
50		nd <2				22000			11			49		22
51		nd <2				18500		8				44		16
52		nd <2				5490		4				13		7
53		nd <2				19800			12			39		22
54		nd <2				19200			10			37		23
55		nd <2				22100			13			47		26
56		nd <2				11800		7				25		13
57		nd <2				23700			10			50		23
58		nd <2				21900			12			49		24
59		nd <2				4410		3				12		5
60		nd <2				17200			10			36		20
61		nd <2				21600			13			45		25
62		nd <2				20100			11			50		24
63		nd <2				21100			11			48		30
64		nd <2				3500		3				8		6
65		nd <2				22700			11			49		33
66		nd <2				17100			9			56		18
67		nd <2				12600			9			85		13
68		nd <2				8180		3				27		10
69		nd <2				18900			13			35		25
70		nd <2				21800			15			40		27
71		nd <2				10400			9			22		12
72		nd <2				25700			10			35		32
73		nd <2				10700		3				18		15

Appendix 1A cont'd

Sta No.	Be Geom. Mean	Be	Cd Geom. Mean	Cd ERL 0-1.2	Cd ERL-M 1.3-9.6	Cd ERM >9.6	Cr Geom. Mean	Cr ERL 0-81	Cr ERL-M 82-370	Cr ERM >370	Cu Geom. Mean	Cu ERL 0-34	Cu ERL-M 35-270	Cu ERM >270	Fe Geom. Mean	Fe
"	0.53	0.58	0.42	0.5			74	76			26	30			18857	20900
47		0.26		0.4				79				25				8570
"		0.1		0.1				32				16				2450
"	0.21	0.36	0.27	0.5			51	52			23	32			5851	9540
48		0.31		1.1				27				21				8880
49		0.24		0.5				22				25				8780
"		0.13		0.7				21				31				5030
"	0.28	0.69	0.52	0.4			26	39			24	18			10210	24100
50		0.97		0.7				56				18				24000
51		0.72		0.4				46				13				18300
52		0.2		0.15				14				4				6780
53		0.92		0.5				50				16				23000
54		0.82		0.6				50				15				21200
55		0.92		0.5				53				18				22000
56		0.52		0.4				29				8				12900
57		0.97		0.5				60				20				24100
58		0.91		0.4				52				18				21600
59		0.1		0.15				12				4				4580
60		0.77		0.15				44				14				17100
61		0.99		0.5				53				19				23500
62		0.88		0.15				50				18				19800
63		0.92		0.15				50				17				21000
64		0.1		0.15				9				3				3480
65		1		0.15				52				18				22200
66		0.73		0.5				43				16				16200
67		0.53		0.9					110			19				15300
68		0.35		0.4				41				5				4470
69		0.8		0.4				42				13				18000
70		0.88		0.5				46				14				20800
71		0.41		0.15				23				8				11100
72		0.87		0.15				27				10				14300
73		0.41		0.3				10				4				5860

Appendix 1A cont'd.

Sta No.	Hg Geom. Mean	ERL 0-.15	Hg ERL-M .16-.71	ERM >.71	Mg Geom. Mean	Mg	Mn Geom. Mean	Mn	Mo Geom. Mean	Mo	Ni Geom. Mean	ERL 0-20.9	Ni ERL-M 21-51.6	ERM >51.6
"	0.25		0.31		4733	5020	51	57.4	3	3	27		28	
47			0.25			4150		97.8		4			33	
"			0.24			4160		144		2			24	
"	0.26		0.29		5264	8450	146	222	3	3	28		28	
48			0.19			4990		68		1		7		
49		0.1				3630		96.4		6.5		5		
"		0.1				2770		108		7.8		4		
"	0.1	0.1			4215	7450	103	104	4	1.5	6	8.6		
50			0.2			15200		414		1.5		15		
51		0.15				19600		259		1		12		
52		0.06				4130		62		1		4		
53			0.18			13800		323		1.5		14		
54			0.19			12700		250		1.5		13		
55			0.19			13900		357		1.5		14		
56		0.12				8260		156		1		8		
57			0.26			15500		317		1.5		17		
58			0.2			12900		300		1.5		15		
59		0.06				3000		50		0.5		4		
60		0.13				13600		302		1		14		
61			0.2			16000		306		1.5		15		
62			0.17			13400		333		1		14		
63		0.15				14600		403		1.5		15		
64		0.04				2580		36		0.5		3		
65		0.15				14500		422		1.5		14		
66			0.2			11100		176		1		14		
67			0.17			9330		57		10		13		
68		0.04				3200		25		2		5		
69		0.11				11800		251		1		12		
70		0.11				13500		284		1.5		13		
71		0.08				6910		124		1		8		
72		0.07				8780		157		1		12		
73		0.03				3840		61		0.5		5		

Appendix 1A cont'd.

Sta No.	Pb Geom. Mean	ERL 0-47	Pb ERL-M 48-218	ERM >218	Se Geom. Mean	Se	Sn Geom. Mean	Sn	Sr Geom. Mean	Sr	Tl Geom. Mean	Tl	V Geom. Mean	V
"	82		98		0.9	0.96			33	36.7		nd <20	28	33
47		21				0.6				102		nd <20		37
"		8				0.2				218		nd <20		45
"	16	24			0.4	0.69			158	179		nd <20	47	61.6
48		28				0.89				35		nd <4		18
49		18				0.61				52.3		nd <20		18
"		16				0.4				48.5		nd <20		14
"	18	19			0.7	1.3			51	51.6		nd <20	18	24
50		28				1.1				123		nd <4		30
51		24				0.89				110		nd <4		22
52		2				0.36				214		nd <4		8
53		25				0.97				145		nd <4		27
54		20				1				103		nd <4		25
55		26				1.1				156		nd <4		29
56		13				0.51				101		nd <4		16
57		29				1.1				111		nd <4		28
58		28				0.99				154		nd <4		29
59		6				0.2				39		nd <4		7
60		22				0.91				186		nd <4		25
61		32				0.99				168		nd <4		29
62		32				0.97				195		nd <4		30
63		26				1.1				246		nd <4		34
64		2				0.2				268		nd <4		6
65		28				1.1				271		nd <4		37
66		26				1.1				139		nd <4		28
67		25				1.5				70		nd <4		47
68		4				0.43				32		nd <4		10
69		23				1				305		nd <4		30
70		25				1.1				309		nd <4		34
71		8				0.58				167		nd <4		19
72		29				0.77				257		nd <5		28
73		15				0.3				108		nd <4		12

Appendix 1A cont'd.

Sta No.	Zn Geom. Mean	ERL 0-150	Zn ERL-M 151-410	ERM >410
"	143		172	
47		44.2		
"		30.4		
"	46	72.3		
48		59		
49		51.4		
"		55.9		
"	52	50		
50		66		
51		50		
52		14		
53		58		
54		61		
55		64		
56		28		
57		70		
58		62		
59		15		
60		46		
61		65		
62		56		
63		54		
64		9		
65		55		
66		52		
67		55		
68		18		
69		41		
70		45		
71		21		
72		32		
73		13		

Appendix 1A cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meter)	% TOC	% Sand	% Silt	% Clay	Metals Sample Date
74	B6-A	SAB, E of qk fl G 17ft "3"	30-09-01(01)	85-41-11(19)	14118.5	47002.1	37	11.3		26.49	54.53	18.98	08/11/88
75	B6-B	SAB, NW of Redfish Pt.	30-08-50(83)	85-40-46(77)	14121.0	46999.6	38	11.6		5.42	83.22	11.36	08/11/88
76	B6-C	SAB, NNW of Redfish Pt.	30-08-41(68)	85-40-09(15)	14125.1	46997.0	36	11.0					08/11/88
77	C2-A	SAB, E of St. Andrew Marina	30-10-06(10)	85-42-30(50)	14113.0	47014.0	29	8.8		2.43	69.89	27.67	08/11/88
78	C2-B	SAB, N or Courtney Pt.	30-09-19(31)	85-42-38(64)	14108.5	47007.7	29	8.8		2.29	29.65	68.07	08/11/88
79	C3-A	SAB, SW of Lake Huntington	30-10-22(37)	85-42-38(63)	14113.3	47016.7	23	7.0		4.64	59.95	35.41	08/15/88
80	C3-B	SAB, NE of bl C "13" nav mkr	30-10-04(07)	85-43-00(00)	14109.0	47014.8	40	12.2					08/15/88
81	D3-A	SAB 2000yd WNW TAFB Ycht Clb	30-05-58(97)	85-39-54(90)	14114.6	46972.9	29	8.8					08/15/88
82	D3-B	SAB NNE of Spanish Shanty Pt	30-06-31(52)	85-41-23(39)	14105.7	46981.0	32	9.8					08/15/88
83	E1-A	E. Bay, NE of QG 17ft "43"	30-06-29(49)	85-33-01(02)	14167.9	46972.2	20	6.1		0.06	44.62	55.32	08/18/88
84	E2-A	E. Bay, NE of QG 17ft "45"	30-06-22(37)	85-34-47(78)	14154.6	46963.7	33	10.1					08/18/88
85	E2-B	E. Bay, E of QG 17ft "45"	30-06-10(16)	85-34-35(58)	14154.9	46961.4	22	6.7		0.99	40	59.01	08/18/88
86	E3-A	E. Bay, N of QG 17ft "45"	30-06-24(40)	85-35-14(24)	14151.4	46965.3	34	10.4		18.38	36.85	44.77	08/18/88
87	E5-A	E. Bay, SE of Dupont Bridge	30-05-49(82)	85-36-05(08)	14142.5	46952.3	28	8.5		16.85	47.2	35.96	08/19/88
88	SC1-PO	SAB, S of paper mill	30-08-06(10)	85-37-05(09)	14145.7	46985.0	14	4.3					09/06/88
89	SC2-PO	SAB, S of paper mill	30-08-06(10)	85-37-16(27)	14144.3	46985.4	14	4.3		58.01	30.25	11.74	09/06/88
90	SC3-PO	SAB, S of paper mill	30-08-02(04)	85-37-29(48)	14142.5	46985.3	38	11.6		16.7	45.01	38.29	09/07/88
91	SC4-PO	SAB, S of paper mill	30-08-14(24)	85-37-29(49)	14143.4	46987.1	24	7.3					09/07/88
92	SC5-PO	SAB, S of paper mill	31-08-02(04)	85-37-08(14)	14145.1	46984.4	17	5.2					09/07/88
93	SC6-PO	SAB, S of paper mill	30-08-13(22)	85-37-35(59)	14142.5	46987.2	33	10.1		52.57	30.25	17.18	09/08/88
94	SC7-PO	SAB, S of paper mill	30-08-07(12)	85-37-43(71)	14141.2	46986.6	28	8.5		48.31	34.77	16.92	09/08/88
95	ML2-PO	Martin Lk E of hwy 98 bridge	30-08-10(17)	85-36-44(73)	14148.7	46984.7	9	2.7					08/17/88
96	NwB-1	N. Bay, Newman Bayou middle	30-16-20(34)	85-40-24(40)	14158.0	47063.6	4.5	1.4					09/13/88
97	none	East Bay, E. of Long Point	30-06-29(49)	85-35-14(23)	14151.9	46966.1	29	8.8	5.95	2	39.5	58.5	08/04/97
98	LKH	SAB, Lake Huntington middle	30-10-39(65)	85-42-16(26)	14117.5	47018.4	8	2.4		31.74	53.88	14.39	09/08/88
99	MB-1	SAB, Massalina Bayou upper	30-09-24(40)	85-39-23(39)	14134.4	47001.6	4.5	1.4					08/11/88
100	MB-2	SAB, Massalina Bayou middle	30-09-14(24)	85-39-20(34)	14133.9	47000.1	7	2.1					08/11/88
101	RB-1	N. Bay Robinson Bayou middle	30-12-41(69)	85-41-38(64)	14131.6	47034.6	5.5	1.7					08/17/88
102	RB-2	N. Bay Robinson Bayou middle	30-12-44(74)	85-41-44(73)	14131.1	47035.2	6	1.8					08/17/88
103	NvL-1	SAB, outer end, Navy channel	30-10-28(47)	85-44-37(61)	14097.9	47021.4	21	6.4		70.24	14.26	15.5	09/13/88
104	LCN1	Lk Caroline/up pond/S third	30-10-12(20)	85-40-19(31)			4	1.2					08/05/94
104	LCN2	Lk Caroline/up pond/md third	30-10-12(20)	85-40-19(31)			4	1.2					08/05/94
104	LCN3	Lk Caroline/up pond/N third	30-10-12(20)	85-40-19(31)			4	1.2					08/05/94

Appendix 1A cont'd.

Sta No.	Ag Geom. Mean	ERL 0-1.0	Ag ERL-M 1.1-3.7	ERM >3.7	Al Geom. Mean	Al	As Geom. Mean	ERL 0-8	As ERL-M 8-70	ERM 71->	B Geom. Mean	B	Ba Geom. Mean	Ba
74		nd <2				12700		7				21		16
75		nd <2				29200			12			44		38
76		nd <2				33300			11			47		45
77		nd <2				44500			11			57		59
78		nd <2				49100			11			65		63
79		nd <2				28400			9			47		42
80		nd <2				14000		5				25		17
81		nd <2				40700		7				59		56
82		nd <2				44800			11			65		53
83		nd <2				52300		8				61		48
84		nd <2				28900		7				45		25
85		nd <2				36900			9			57		31
86		nd <2				45400		7				53		40
87		nd <2				24700		7				55		21
88		nd <2				13200		5				39		80
89		nd <2				7080		4				16		16
90		nd <2				35000			11			54		42
91		nd <2				32300			12			54		48
92		nd <2				9250		4				32		53
93		nd <2				23400		7				32		32
94		nd <2				22600		8				34		30
95		nd <2				22900			12			11		62
96		nd <2				36900		8				44		30
97				4		20400		8				9		496
98		nd <2				22900		6				25		22
99		nd <2				39200			10			31		50
100		nd <2				36100			14			40		60
101		nd <2				27700		5				39		176
102		nd <2				27800		6				44		95
103		nd <2				13800		3				22		18
104						12427		4				31		37
104						9087		4				29		45
104						5607		3				12		23

Appendix 1A cont'd

Sta No.	Be Geom. Mean	Be	Cd Geom. Mean	ERL 0-1.2	Cd ERL-M 1.3-9.6	ERM >9.6	Cr Geom. Mean	ERL 0-81	Cr ERL-M 82-370	ERM >370	Cu Geom. Mean	ERL 0-34	Cu ERL-M 35-270	ERM >270	Fe Geom. Mean	Fe
74		0.55		0.3				35				6				10300
75		0.99		0.5				56				14				18500
76		1.2		1.2				61				16				22700
77		1.3		0.6				43				17				22800
78		1.5		0.5				47				18				25000
79		1.2		0.5				52				17				20900
80		0.64		0.5				26				7				10700
81		1.4		0.9				47				17				21600
82		1.4		0.7				60				18				22500
83		1.6		0.6				75				15				29900
84		1.2		0.5				54				13				22600
85		1.5		0.6				66				18				27000
86		1.4		0.5				65				14				24600
87		0.81		0.5				46				13				18600
88		0.3		0.8				120				37				7020
89		0.1		0.3				24				11				4680
90		1		0.5				64				20				22800
91		0.82		1				74				28				23200
92		0.2		0.7				39				30				7040
93		0.5		0.5				34				14				12600
94		0.51		0.5				41				14				13200
95		0.37			1.9			65					80			28200
96		0.84		0.6				59				8				24700
97		1.6				4.2			255				156			6200
98		0.53		0.4				32				29				13800
99		0.51			1.5			51					125			22900
100		0.79			1.6			59					202			23900
101		0.55		0.2				33				39				14400
102		0.51		0.2				29					43			14300
103		0.33		0.15				19				5				7380
104		<2			<1.4			21				25				9038
104		<2			<1.5			20				27				7270
104		<2		<.9				12				19				5027

Appendix 1A cont'd.

Sta No.	Hg Geom. Mean	Hg ERL 0-.15	Hg ERL-M .16-.71	Hg ERM >.71	Mg Geom. Mean	Mg	Mn Geom. Mean	Mn	Mo Geom. Mean	Mo	Ni Geom. Mean	Ni ERL 0-20.9	Ni ERL-M 21-51.6	Ni ERM >51.6
74		0.06				6350		99		1		7		
75		0.1				12300		252		1		14		
76		0.11				13800		317		1.5		18		
77		0.14				14600		265		1.5		18		
78		0.14				16100		267		1.5		21		
79		0.14				14000		207		1.5		15		
80		0.06				7100		97		1		7		
81		0.07				14000		246		1.5		18		
82		0.09				15300		250		1.5		20		
83		0.13				17400		326		1.5			21	
84		0.12				13600		352		1.5		16		
85			0.17			17600		467		1.5		19		
86		0.13				13300		333		1.5		20		
87		0.13				11600		263		1		14		
88			0.18			8900		293		7.8				74
89			0.14			3100		46		2		7		
90			0.2			13500		412		1.5		20		
91			0.23			12100		305		1.5		20		
92			0.24			6650		186		4		31		
93		0.13				7070		183		1		13		
94			0.16			7510		168		1		12		
95			0.38			3840		338		5		20		
96		0.1				10400		63		1.5		14		
97			0.7			3780		1440		6				110
98			0.26			3880		30		4		9		
99				0.82		6810		61		3		15		
100				1.88		7920		86		3		14		
101		0.11				6240		36		3		9		
102		0.1				6440		38		2		9		
103		0.05				4350		58		1		5		
104		<.14				960		26		4		7		
104			0.21			1060		29		4		6		
104		<.09				367		15		2		4		

Appendix 1A cont'd.

Sta No.	Pb Geom. Mean	ERL 0-47	Pb ERL-M 48-218	ERM >218	Se Geom. Mean	Se	Sn Geom. Mean	Sn	Sr Geom. Mean	Sr	Tl Geom. Mean	Tl	V Geom. Mean	V
74		15				0.51				200		nd <4		16
75		26				1.1				309		nd <5		33
76		35				1.1				290		nd <5		40
77		38				1				201		nd <5		34
78		34				1.2				240		nd <5		39
79		31				0.9				168		nd <4		30
80		10				0.5				142		nd <4		15
81		27				1.4				337		nd <5		46
82		30				1.2				320		nd <5		47
83		30				2				87		nd <5		41
84		24				0.84				76		nd <4		27
85		33				1.1				103		nd <4		34
86		24				0.82				78		nd <5		36
87		22				0.8				69		nd <4		25
88		27				0.76				173		nd <5		154
89		33				0.3				37		nd <4		16
90		37				1.2				165		nd <5		34
91		33				1				150		nd <5		38
92		23				0.69				135		nd <4		77
93		19				0.58				87		nd <5		24
94		23				0.97				78		nd <5		26
95			100			1.5				81		nd <4		47
96		19				1.2				70		nd <5		35
97		38				1.9				180		nd <5		355
98		15	130			0.96				33		nd <5		27
99				370		0.86				60		nd <4		48
100				310		1.3				84		nd <5		47
101		36				1.1				51		nd <5		29
102			51			1.1				50		nd <5		29
103		10				0.5				47		nd <4		14
104			183			1		27		19				28
104			194			1.2		29		15				22
104			102			0.5		<9		7				15

Appendix 1A cont'd.

Sta No.	Zn Geom. Mean	ERL 0-150	Zn ERL-M 151-410	ERM >410
74		21		
75		48		
76		56		
77		64		
78		65		
79		60		
80		24		
81		51		
82		58		
83		66		
84		52		
85		66		
86		57		
87		44		
88		101		
89		21		
90		70		
91		87		
92		63		
93		42		
94		40		
95			179	
96		41		
97				528
98		107		
99			387	
100			353	
101		79		
102		75		
103		23		
104			310	
104			290	
104			213	

Appendix 1A cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meter)	% TOC	% Sand	% Silt	% Clay	Metals Sample Date
104	LCM1	Lk Caroline/md pond/N third	30-09-30(50)	85-40-20(33)			3	0.9					08/05/94
104	LCM2	Lk Caroline/md pond/md third	30-09-30(50)	85-40-20(33)			3	0.9					08/05/94
104	LCM3	Lk Caroline/md pond/S third	30-09-30(50)	85-40-20(33)			3	0.9					08/05/94
104	LCS1	Lk Caroline/S bayou/N third	30-09-24(40)	85-40-19(32)			2	0.6					08/05/94
104	LCS2	Lk Caroline/S bayou/md third	30-09-24(40)	85-40-19(32)			2	0.6					08/05/94
104	LCS3	Lk Caroline/S bayou/S third	30-09-24(40)	85-40-19(32)			2	0.6					08/05/94
105	none	West Bay, E. of Long Point	30-13-47(78)	85-44-08(13)	14116.4	47048.4	24	7.3	4.83	1	24.2	74.8	08/04/97

Appendix 1A cont'd.

Sta No.	Ag Geom. Mean	ERL 0-1.0	Ag ERL-M 1.1-3.7	ERM >3.7	Al Geom. Mean	Al	As Geom. Mean	ERL 0-8	As ERL-M 8-70	ERM 71->	B Geom. Mean	B	Ba Geom. Mean	Ba
104						1947		1				26		8
104						9496		6				81		28
104						13589		4				62		37
104						3605		2				46		2
104						9681		7				48		6
104						4706		4				110		3
105														

Appendix 1A cont'd

Sta No.	Be Geom. Mean	Be	Cd Geom. Mean	ERL 0-1.2	Cd ERL-M 1.3-9.6	ERM >9.6	Cr Geom. Mean	ERL 0-81	Cr ERL-M 82-370	ERM >370	Cu Geom. Mean	ERL 0-34	Cu ERL-M 35-270	ERM >270	Fe Geom. Mean	Fe
104		<2		<1.1				4				16				1471
104		<2.15			<2.2			18					50			10852
104		<2			<1.7			22					37			13222
104		<2		<1.2				11				12				6437
104		<2			<1.7			27				30				17634
104		<2			<1.8			19				17				7843
105																

Appendix 1A cont'd.

Sta No.	Hg Geom. Mean	ERL 0-.15	Hg ERL-M .16-.71	ERM >.71	Mg Geom. Mean	Mg	Mn Geom. Mean	Mn	Mo Geom. Mean	Mo	Ni Geom. Mean	ERL 0-20.9	Ni ERL-M 21-51.6	ERM >51.6
104		<.11				346		<10		2		2		
104			<.21			995		40		7		7		
104			<.17			808		40		4		7		
104		<.12				2034		13		7		3		
104			<.17			2697		38		12		7		
104			<.18			3921		20		11		5		
105														

Appendix 1A cont'd.

Sta No.	Pb Geom. Mean	ERL 0-47	Pb ERL-M 48-218	ERM >218	Se Geom. Mean	Se	Sn Geom. Mean	Sn	Sr Geom. Mean	Sr	Tl Geom. Mean	Tl	V Geom. Mean	V
104			54			0.4		13		11				5
104				258		1.7		43		23				23
104				301		1.1		30		19				28
104			62			0.8		16		52				12
104			159			0.8		29		30				31
104			78			0.9		19		39				17
105														

Appendix 1A cont'd.

Sta No.	Zn Geom. Mean	ERL 0-150	Zn ERL-M 151-410	ERM >410
104		58		
104			267	
104			290	
104		57		
104		141		
104		94		
105				

Appendix 1B. Polycyclic Aromatic Hydrocarbon (PAH) Sediment Data Base for St. Andrew Bay. Values for ERL, ERL-M, and ERM are ng/gm (ppb) dry weight (dw).

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	% TOC	% Sand	% Silt	% Clay	PAH Sample Date
1	SABS-1	So. of Panama City Marina	38-08-03(05)	85-40-02(03)				0.0					08/27/85
2	SABS-2	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/27/85
2	MB-3	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/15/88
3	SABS-3	Pearl Bayou	30-06-05(08)	85-37-20(34)				0.0					08/27/85
4	SABS-4	Freshwater Bayou	30-07-11(19)	85-39-03(05)				0.0					08/27/85
5	SABS-5	"15" quick flash nav. light	30-08-37(62)	85-41-15(25)				0.0					08/27/85
6	SABS-6	N of ctr of Shell Island	30-05-53(88)	85-41-03(05)				0.0					08/27/85
7	SABS-7	upper Grand Lagoon	30-09-14(24)	85-45-38(63)				0.0					08/28/85
8	SABS-8	Treasure Ship Marina	30-08-34(57)	85-44-54(90)				0.0					08/28/85
9	SABS-9	Captain Anderson's Marina	30-08-52(87)	85-44-52(87)				0.0					08/28/85
10	SABS-10	lower Grand Lagoon channel	30-08-31(52)	85-44-14(23)				0.0					08/28/85
11	SABS-11	black can "5" nav. marker	30-08-22(37)	85-41-54(90)				0.0					08/28/85
12	SABS-12	St. Andrew Marina	30-10-05(08)	85-42-14(23)				0.0					08/28/85
13	SABS-13	Port Panama City, south	30-10-32(54)	85-43-56(93)				0.0					08/28/85
13	PCPT-So	Port Panama City, South	30-10-32(54)	85-43-56(93)				0.0					09/08/88
14	SABS-14	Port Panama City, west	30-10-41(68)	85-44-03(05)				0.0					08/29/85
15	SABS-15	Alligator Bayou (Navy Lab)	30-10-21(35)	85-45-29(48)				0.0					08/29/85
16	SABS-16	Bay Point Marina	30-08-35	85-43-50				0.0					08/29/85
17	SABE-1	E. Bay, Callaway Bayou	30-08-11	85-34-08				0.0					08/29/85
18	SABE-2	E. Bay, Eastern Marine	30-01-47	85-28-36				0.0					08/29/85
19	SABE-3	E. Bay, qk fl "43" nav. lt.	30-08-16	85-33-23				0.0					08/29/85
20	SABE-4	E. Bay, Little Cedar Bayou	30-04-53	85-33-26				0.0					08/29/85
21	SABE-5	E. Bay, Shoal Point Bayou	30-05-14	85-35-11				0.0					08/29/85
22	SABN-1	N. Bay, Robinson Bayou	30-12-33	85-41-52				0.0					09/04/85
23	SABN-2	N. Bay, Goose Bayou	30-13-16	85-41-00				0.0					09/04/85
24	SABN-3	N. Bay, Upper Goose Bayou	30-14-05	85-40-14				0.0					09/04/85
25	SABN-4	N. Bay, Lynn Haven Bayou	30-14-58	85-39-52				0.0					09/04/85
26	SABN-5	N. Bay, Beatty Bayou	30-14-57	85-37-19				0.0					09/04/85
27	SABN-6	N. Bay, Fanning Bayou	30-16-26	85-39-10				0.0					09/04/85
28	SABN-7	N. Bay, fl rd "6" nav. lt.	30-15-03	85-41-02				0.0					09/04/85
29	SABN-8	N. Bay, so. of West Bay Pt.	30-13-15	85-43-21				0.0					09/04/85
30	SABN-9	N. Bay, Alligator Bayou	30-15-41	85-41-57				0.0					09/04/85
31	SABN-10	N. Bay, Mud Bayou	30-14-19	85-42-46				0.0					09/05/85

Appendix 1 B cont'd

				napthalene ppb dw					fluorene ppb dw					phenanthrene ppb dw		
		wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	% mst	ppb	ppb	0-160	161-2100	>2100	ppb	ppb	0-19	20-540	>540	ppb	ppb	0-240	241-1500	>1500
1	61.2	10	26	26			nd	0	0			40	103	103		
2	50	20	40	40			nd	0	0			nd	0	0		
2	64.2	0	0				10	28		28		40	112	112		
3	32.1	10	15	15			nd	0	0			nd	0	0		
4	60.1	nd	0	0			nd	0	0			nd	0	0		
5	67	nd	0	0			nd	0	0			nd	0	0		
6	72.1	nd	0	0			nd	0	0			nd	0	0		
7	40.1	nd	0	0			nd	0	0			nd	0	0		
8	80.1	nd	0	0			nd	0	0			nd	0	0		
9	31	nd	0	0			nd	0	0			nd	0	0		
10	24.1	nd	0	0			nd	0	0			nd	0	0		
11	70.1	nd	0	0			nd	0	0			nd	0	0		
12	28	nd	0	0			nd	0	0			nd	0	0		
13	63.2	nd	0	0			nd	0	0			nd	0	0		
13	59.4	nd	0	0			nd	0	0			nd	0	0		
14	83	10	59	59			nd	0	0			nd	0	0		
15	37.1	nd	0	0			nd	0	0			40	64	64		
16	50.2	nd	0	0			nd	0	0			nd	0	0		
17	58	nd	0	0			nd	0	0			nd	0	0		
18	38.2	nd	0	0			nd	0	0			nd	0	0		
19	74	nd	0	0			nd	0	0			nd	0	0		
20	40.6	nd	0	0			nd	0	0			nd	0	0		
21	52.4	nd	0	0			nd	0	0			nd	0	0		
22	52.6	nd	0	0			nd	0	0			nd	0	0		
23	54.2	nd	0	0			10	22	22			nd	0	0		
24	32.2	nd	0	0			nd	0	0			nd	0	0		
25	36.8	nd	0	0			nd	0	0			nd	0	0		
26	66	nd	0	0			nd	0	0			nd	0	0		
27	46.6	nd	0	0			10	19	19			nd	0	0		
28	72.8	nd	0	0			nd	0	0			nd	0	0		
29	80.2	nd	0	0			nd	0	0			nd	0	0		
30	40.2	nd	0	0			nd	0	0			nd	0	0		
31	44.4	nd	0	0			nd	0	0			nd	0	0		

Appendix 1 B cont'd

				anthracene ppb dw					fluoranthene ppb dw					pyrene ppb dw	
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-85.3	85.4-1100	>1100	ppb	ppb	0-600	601-5100	>5100	ppb	ppb	0-665	666-2600	>2600
1	100	258		258		50	129	129			60	155	155		
2	50	100		100		40	80	80			80	160	160		
2	30	84	84			210	587	587			340	950		950	
3	nd	0	0			10	15	15			10	15	15		
4	nd	0	0			10	25	25			nd	0	0		
5	nd	0	0			10	30	30			nd	0	0		
6	nd	0	0			nd	0	0			nd	0	0		
7	nd	0	0			nd	0	0			nd	0	0		
8	nd	0	0			20	101	101			50	251	251		
9	10	14	14			10	14	14			40	58	58		
10	nd	0	0			nd	0	0			nd	0	0		
11	nd	0	0			10	33	33			10	33	33		
12	40	56	56			120	167	167			160	222	222		
13	10	27	27			50	136	136			90	245	245		
13	10	25	25			20	49	49			10	25	25		
14	10	59	59			40	235	235			60	353	353		
15	30	48	48			100	159	159			250	397	397		
16	nd	0	0			nd	0	0			nd	0	0		
17	nd	0	0			nd	0	0			10	24	24		
18	nd	0	0			nd	0	0			nd	0	0		
19	nd	0	0			nd	0	0			nd	0	0		
20	nd	0	0			10	17	17			20	34	34		
21	20	42	42			30	63	63			50	105	105		
22	nd	0	0			10	21	21			20	42	42		
23	nd	0	0			nd	0	0			nd	0	0		
24	nd	0	0			nd	0	0			nd	0	0		
25	nd	0	0			nd	0	0			nd	0	0		
26	nd	0	0			nd	0	0			nd	0	0		
27	nd	0	0			nd	0	0			nd	0	0		
28	nd	0	0			nd	0	0			nd	0	0		
29	nd	0	0			10	51	51			nd	0	0		
30	10	17	17			nd	0	0			nd	0	0		
31	nd	0	0			nd	0	0			nd	0	0		

Appendix 1 B cont'd

	1,2-benzanthracene [benz(a)anthracene] ppb dw					chrysene ppb dw					benzo(b)fluoranthene ppb dw				
Stat. #	wet wgt ppb	dry wgt ppb	ERL 0-261	ERL-M 262-1600	ERM >1600	wet wgt ppb	dry wgt ppb	ERL 0-384	ERL-M 385-2800	ERM >2800	wet wgt ppb	dry wgt ppb	ERL none	ERL-M none	ERM none
1	30	77	77			70	180	180			90	232			
2	20	40	40			30	60	60			70	140			
2	60	168	168			260	726		726		500	1397			
3	nd	0	0			nd	0	0			10	15			
4	nd	0	0			nd	0	0			nd	0			
5	nd	0	0			nd	0	0			nd	0			
6	nd	0	0			nd	0	0			nd	0			
7	nd	0	0			nd	0	0			10	17			
8	20	101	101			nd	0	0			40	201			
9	20	29	29			20	29	29			40	58			
10	nd	0	0			nd	0	0			nd	0			
11	nd	0	0			nd	0	0			10	33			
12	90	125	125			190	264	264			130	181			
13	30	82	82			40	109	109			70	190			
13	20	49	49			40	99	99			40	99			
14	80	471		471		20	118	118			40	235			
15	130	207	207			230	366	366			100	159			
16	nd	0	0			nd	0	0			nd	0			
17	nd	0	0			nd	0	0			10	24			
18	nd	0	0			nd	0	0			nd	0			
19	nd	0	0			nd	0	0			nd	0			
20	10	17	17			30	51	51			30	51			
21	20	42	42			20	42	42			90	189			
22	nd	0	0			nd	0	0			10	21			
23	nd	0	0			nd	0	0			10	22			
24	nd	0	0			nd	0	0			nd	0			
25	nd	0	0			nd	0	0			nd	0			
26	nd	0	0			nd	0	0			nd	0			
27	nd	0	0			nd	0	0			nd	0			
28	nd	0	0			nd	0	0			nd	0			
29	nd	0	0			nd	0	0			20	101			
30	20	33	33			nd	0	0			10	17			
31	nd	0	0			nd	0	0			nd	0			

Appendix 1 B cont'd

	benzo(k)fluoranthene ppb dw					benzo(e)pyrene ppb dw					benzo(a)pyrene ppb dw				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	0-430	431-1600	>1600
1	50	129				100	258				20	52	52		
2	40	80				70	140				30	60	60		
2	120	335				520	1453				340	950		950	
3	10	15				nd	0				10	15	15		
4	nd	0				nd	0				nd	0	0		
5	nd	0				nd	0				nd	0	0		
6	nd	0				nd	0				nd	0	0		
7	nd	0				nd	0				nd	0	0		
8	20	101				10	50				20	101	101		
9	20	29				30	43				40	58	58		
10	nd	0				nd	0				nd	0	0		
11	nd	0				nd	0				10	33	33		
12	80	111				220	306				120	167	167		
13	40	109				80	217				110	299	299		
13	10	25				40	99				50	123	123		
14	30	176				50	294				50	294	294		
15	60	95				250	397				90	143	143		
16	nd	0				nd	0				nd	0	0		
17	nd	0				nd	0				nd	0	0		
18	nd	0				nd	0				nd	0	0		
19	nd	0				nd	0				nd	0	0		
20	20	34				50	84				40	67	67		
21	30	63				50	105				20	42	42		
22	nd	0				nd	0				nd	0	0		
23	nd	0				nd	0				nd	0	0		
24	nd	0				nd	0				nd	0	0		
25	nd	0				nd	0				nd	0	0		
26	nd	0				nd	0				nd	0	0		
27	nd	0				nd	0				nd	0	0		
28	nd	0				nd	0				nd	0	0		
29	10	51				nd	0				20	101	101		
30	nd	0				nd	0				nd	0	0		
31	nd	0				nd	0				nd	0	0		

Appendix 1 B cont'd

	1,2,5,6-dibenzanthracene [dibenzo(a,h)anthracene] ppb dw					benzo(g,h,i)perylene ppb dw					total PAH				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-63.4	63.5-260	>260	ppb	ppb	none	none	none	ppb	ppb	0-4022	4023-44792	>44792
1	40	103		103		60	155					1856	1856		
2	40	80		80		110	220					1200	1200		
2	90	251		251		80	223					7263		7263	
3	nd	0	0			10	15					103	103		
4	nd	0	0			nd	0					25	25		
5	nd	0	0			nd	0					30	30		
6	nd	0	0			nd	0					0	0		
7	nd	0	0			nd	0					17	17		
8	10	50	50			20	101					1055	1055		
9	20	29	29			50	72					435	435		
10	nd	0	0			nd	0					0	0		
11	nd	0	0			10	33					167	167		
12	30	42	42			130	181					1819	1819		
13	nd	0	0			110	299					1712	1712		
13	nd	0	0			20	49					640	640		
14	10	59	59			90	529					2882	2882		
15	10	16	16			60	95					2146	2146		
16	nd	0	0			nd	0					0	0		
17	nd	0	0			nd	0					48	48		
18	nd	0	0			nd	0					0	0		
19	nd	0	0			nd	0					0	0		
20	30	51	51			80	135					539	539		
21	20	42	42			60	126					861	861		
22	nd	0	0			10	21					105	105		
23	nd	0	0			nd	0					44	44		
24	nd	0	0			nd	0					0	0		
25	nd	0	0			nd	0					0	0		
26	nd	0	0			nd	0					0	0		
27	nd	0	0			nd	0					19	19		
28	nd	0	0			nd	0					0	0		
29	nd	0	0			30	152					455	455		
30	nd	0	0			10	17					84	84		
31	nd	0	0			nd	0					0	0		

Appendix 1 B cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	% TOC	% Sand	% Silt	% Clay	PAH Sample Date
32	SABN-11	N. Bay, below Deer Pt. Dam	30-16-00	85-36-26				0.0					09/05/85
33	SABN-12	N. Bay, Poston Bayou	30-11-14	85-43-00				0.0					09/05/85
34	SABW-1	W. Bay, Warren Bayou	30-16-38	85-44-14				0.0					09/05/85
35	SABW-2	W. Bay, bl C "3" nav. mark.	30-15-37	85-47-00				0.0					09/05/85
36	SABW-3	W. Bay, Burnt Mill Creek	30-18-17	85-45-38				0.0					09/05/85
37	SABW-4	W. Bay, Botheration Bayou	30-15-32	85-49-36				0.0					09/05/85
38	WB-1A	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
38	WB-1B	Watson Bayou, Lake Van Vac											07/23/85
38	WB-1C	Watson Bayou, Lake Van Vac											07/23/85
39	WB-2A	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
39	WB-2B	Watson Bayou, u. Long Cove											07/23/85
39	WB-2C	Watson Bayou, u. Long Cove											07/23/85
39	WB-2	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					08/12/88
40	WB-3A	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
40	WB-3B	Watson Bayou, l. Long Cove											07/23/85
40	WB-3C	Watson Bayou, l. Long Cove											07/23/85
41	WB-4A	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
41	WB-4B	Watson Bayou, E. Mar. Const.											07/23/85
41	WB-4C	Watson Bayou, E. Mar. Const.											07/23/85
42	WB-5A	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
42	WB-5B	Watson Bayou, E. Mar. Repair											07/23/85
42	WB-5C	Watson Bayou, E. Mar. Repair											07/23/85
43	WB-6A	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
43	WB-6B	Watson Bayou, Bay Mar.& Ship											07/23/85
43	WB-6C	Watson Bayou, Bay Mar.& Ship											07/23/85
44	WB-7A	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
44	WB-7B	Watson Bayou, Hill Petroleum											07/23/85
44	WB-7C	Watson Bayou, Hill Petroleum											07/23/85
45	WB-8A	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
45	WB-8B	Watson Bayou, P.C. STP											07/23/85
45	WB-8C	Watson Bayou, P.C. STP											07/23/85
46	WB-9A	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85

Appendix 1 B cont'd

Stat. #	% mst	wet wgt ppb	dry wgt ppb	ERL 0-160	napthalene ppb dw ERL-M 161-2100	ERM >2100	wet wgt ppb	dry wgt ppb	ERL 0-19	fluorene ppb dw ERL-M 20-540	ERM >540	wet wgt ppb	dry wgt ppb	ERL 0-240	phenanthrene ppb dw ERL-M 241-1500	ERM >1500
32	84.6	nd	0	0			nd	0	0			nd	0	0		
33	62.6	nd	0	0			nd	0	0			nd	0	0		
34	36	nd	0	0			nd	0	0			nd	0	0		
35	74.2	nd	0	0			nd	0	0			nd	0	0		
36	40.4	nd	0	0			nd	0	0			nd	0	0		
37	30.6	nd	0	0			nd	0	0			nd	0	0		
			0													
38	58.4	60	144	144			20	48		48		100	240	240	360	
38	88.6	30	263		263		10	88		88		30	263		263	
38	73.2	80	299		299		60	224		224		190	709		709	
39	86.1	20	144	144			10	72		72		250	1799			1799
39	92.4	10	132	132			5	66		66		160	2105			2105
39	88.0	60	500		500		20	167		167		200	1667			1667
39	84.2	10	63	63			10	63		63		nd	0	0		
40	73.4	40	150	150			10	38		38		100	376		376	
40	76.0	50	208		208		30	125		125		110	458		458	
40	60.1	30	75	75			90	226		226		210	526		526	
41	58.9	5	12	12			5	12	12	30		5	12	12		
41	86.1	10	72	72			5	36		36		40	288		288	
41	82.8	20	116	116			10	58		58		40	233	233		
42	72.1	10	36	36			10	36		36		10	36	36		
42	69.2	5	16	16			5	16	16			5	16	16		
42	71.0	5	17	17			5	17	17			5	17	17		
43	67.1	10	30	30			20	61		61		60	182	182		
43	75.1	30	120	120			50	201		201		110	442		442	
43	78.4	10	46	46			10	46				20	93	93		
44	68.2	nd	0				nd	0	0			5	16	16		
44	72.8	nd	0				nd	0	0			20	74	74		
44	69.8	nd	0				nd	0	0			5	17	17		
45	82.9	5	29	29			10	58		58		10	58	58		
45	70.9	10	34	34			5	17	17			10	34	34		
45	87.5	10	80	80			5	40		40		10	80	80		
46	88.2	nd	0				nd	0	0	30		nd	0	0		

Appendix 1 B cont'd

				anthracene ppb dw					fluoranthene ppb dw					pyrene ppb dw	
Stat. #	wet wgt ppb	dry wgt ppb	ERL 0-85.3	ERL-M 85.4-1100	ERM >1100	wet wgt ppb	dry wgt ppb	ERL 0-600	ERL-M 601-5100	ERM >5100	wet wgt ppb	dry wgt ppb	ERL 0-665	ERL-M 666-2600	ERM >2600
32	nd	0	0			nd	0	0			nd	0	0		
33	10	27	27			20	53	53			30	80	80		
34	nd	0	0			nd	0	0			nd	0	0		
35	nd	0	0			nd	0	0			nd	0	0		
36	nd	0	0			nd	0	0			nd	0	0		
37	nd	0	0			nd	0	0			nd	0	0		
38	20	48	48			110	264	264			130	313	313		
38	80	702		702		120	1053		1053		220	1930		1930	
38	30	112		112		110	410	410			140	522	522		
39	140	1007		1007		140	1007		1007		140	1007		1007	
39	5	66	66			60	789		789		50	658	658		
39	30	250		250		150	1250		1250		170	1417		1417	
39	10	63	63			120	759		759		130	823		823	
40	10	38	38			240	902		902		240	902		902	
40	10	42	42			200	833		833		220	917		917	
40	30	75	75			310	777		777		260	652	652		
41	5	12	12			5	12	12			5	12	12		
41	5	36	36			50	360	360			70	504	504		
41	10	58	58			80	465	465			130	756		756	
42	nd	0	0			30	108	108			90	323	323		
42	nd	0	0			20	65	65			30	97	97		
42	nd	0	0			10	34	34			5	17	17		
43	30	91		91		140	426	426			200	608	608		
43	40	161		161		210	843		843		310	1245		1245	
43	5	23	23			70	324	324			100	463	463		
44	nd	0	0			5	16	16			5	16	16		
44	nd	0	0			40	147	147			50	184	184		
44	nd	0	0			30	99	99			30	99	99		
45	nd	0	0			30	175	175			20	117	117		
45	nd	0	0			10	34	34			10	34	34		
45	nd	0	0			40	320	320			40	320	320		
46	nd	0	0			10	85	85			10	85	85		

Appendix 1 B cont'd

	1,2-benzanthracene [benz(a)anthracene] ppb dw					chrysene ppb dw					benzo(b)fluoranthene ppb dw				
Stat. #	wet wgt ppb	dry wgt ppb	ERL 0-261	ERL-M 262-1600	ERM >1600	wet wgt ppb	dry wgt ppb	ERL 0-384	ERL-M 385-2800	ERM >2800	wet wgt ppb	dry wgt ppb	ERL none	ERL-M none	ERM none
32	nd	0	0			nd	0	0			10	65			
33	10	27	27			10	27	27			40	107			
34	nd	0	0			nd	0	0			nd	0			
35	nd	0	0			nd	0	0			nd	0			
36	nd	0	0			nd	0	0			nd	0			
37	nd	0	0			nd	0	0			nd	0			
38	20	48	48			40	96	96			80	192			
38	280	2456			2456	680	5965			5965	130	1140			
38	30	112	112			30	112	112			60	224			
39	530	3813			3813	910	6547			6547	70	504			
39	20	263		263		30	395		395		30	395			
39	90	750		750		190	1583		1583		50	417			
39	40	253	253			50	316	316			70	443			
40	60	226	226			70	263	263			100	376			
40	90	375		375		210	875		875		80	333			
40	70	175	175			80	201	201			50	125			
41	5	12	12			5	12	12			10	24			
41	30	216	216			40	288	288			30	216			
41	60	349		349		110	640		640		40	233			
42	20	72	72			30	108	108			20	72			
42	5	16	16			5	16	16			10	32			
42	5	17	17			5	17	17			5	17			
43	100	304		304		170	517		517		70	213			
43	80	321		321		230	924		924		140	562			
43	30	139	139			20	93	93			40	185			
44	5	16	16			5	16	16			5	16			
44	20	74	74			20	74	74			30	110			
44	10	33	33			10	33	33			10	33			
45	10	58	58			5	29	29			10	58			
45	10	34	34			20	69	69			10	34			
45	10	80	80			10	80	80			20	160			
46	5	42	42			nd	0	0			10	85			

Appendix 1 B cont'd

	benzo(k)fluoranthene ppb dw					benzo(e)pyrene ppb dw					benzo(a)pyrene ppb dw				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	0-430	431-1600	>1600
32	nd	0				nd	0				nd	0	0		
33	20	53				20	53				20	53	53		
34	nd	0				nd	0				nd	0	0		
35	nd	0				nd	0				nd	0	0		
36	nd	0				nd	0				nd	0	0		
37	nd	0				nd	0				nd	0	0		
38	40	96				70	168				60	144	144		
38	110	965				120	1053				160	1404		1404	
38	40	149				130	485				50	187	187		
39	50	360				360	2590				60	432		432	
39	10	132				30	395				20	263	263		
39	20	167				60	500				40	333	333		
39	20	127				50	316				40	253	253		
40	50	188				80	301				90	338	338		
40	30	125				80	333				60	250	250		
40	30	75				80	201				50	125	125		
41	5	12				5	12				5	12	12		
41	20	144				30	216				30	216	216		
41	20	116				140	814				40	233	233		
42	10	36				40	143				20	72	72		
42	10	32				10	32				10	32	32		
42	5	17				5	17				5	17	17		
43	40	122				180	547				60	182	182		
43	70	281				60	241				120	482		482	
43	20	93				20	93				20	93	93		
44	5	16				5	16				5	16	16		
44	10	37				20	74				20	74	74		
44	10	33				5	17				5	17	17		
45	10	58				10	58				10	58	58		
45	10	34				10	34				10	34	34		
45	10	80				10	80				20	160	160		
46	5	42				5	42				5	42	42		

Appendix 1 B cont'd

	1,2,5,6-dibenzanthracene [dibenzo(a,h)anthracene] ppb dw					benzo(g,h,i)perylene ppb dw					total PAH				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-63.4	63.5-260	>260	ppb	ppb	none	none	none	ppb	ppb	0-4022	4023-44792	>44792
32	nd	0	0			nd	0					65	65		
33	20	53	53			60	160					695	695		
34	nd	0	0			nd	0					0	0		
35	nd	0	0			nd	0					0	0		
36	nd	0	0			nd	0					0	0		
37	nd	0	0			nd	0					0	0		
							0								
38	110	264			264	260	625					2692	2692		
38	30	263			263	60	526					18070		18070	
38	70	261			261	10	37					3843	3843		
39	20	144		144		160	1151					20576		20576	
39	10	132		132		80	1053					6842		6842	
39	40	333			333	90	750					10083		10083	
39	10	63	63			40	253					3797	3797		
40	120	451			451	430	1617					6165		6165	
40	40	167		167		70	292					5333		5333	
40	30	75		75		60	150					3459	3459		
41	10	24	24			5	12					195	195		
41	40	288			288	50	360					3237	3237		
41	5	29	29			60	349					4448		4448	
42	5	18	18			5	18					1075	1075		
42	10	32	32			20	65					471	471		
42	5	17	17			10	34					259	259		
43	30	91		91		30	91					3465	3465		
43	120	482			482	120	482					6787		6787	
43	20	93		93		40	185					1968	1968		
44	5	16	16			5	16					173	173		
44	5	18	18			10	37					901	901		
44	10	33	33			5	17					430	430		
45	nd	0	0			10	58					819	819		
45	nd	0	0			10	34					430	430		
45	nd	0	0			10	80					1560	1560		
46	nd	0	0			5	42					466	466		

Appendix 1 B cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	% TOC	% Sand	% Silt	% Clay	PAH Sample Date
46	WB-9B	Watson Bayou, N. of Hwy 98											07/23/85
46	WB-9C	Watson Bayou, N. of Hwy 98											07/23/85
47	WB-10A	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
47	WB-10B	SAB, south of paper mill											07/23/85
47	WB-10C	SAB, south of paper mill											07/23/85
48	WB-11	Watson B, 100 yds N of mouth	30-08-25(42)	85-38-05(08)	14139.6	46990.1	22	6.7					08/12/88
49	ML-1A	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
49	ML-1B	Martin Lake, S of Cherry St.											08/02/85
49	ML-1C	Martin Lake, S of Cherry St.											08/02/85
50	A2-A	SAB, SW of Donaldson Pt.	30-06-52(87)	85-36-43(72)	14142.7	46973.2	31	9.4		1.97	67.65	30.38	08/02/88
51	A2-B	SAB, SW of Donaldson Pt.	30-06-49(81)	85-37-01(01)	14140.3	46973.4	26	7.9		6.22	34.6	59.18	08/02/88
52	A5-A	SAB, NW of Military Pt.	30-07-35(75)	85-37-35(58)	14140.4	46983.0	32	9.8		66.45	28.54	5.01	08/02/88
53	A6-A	SAB, NW of Military Pt.	30-07-41(68)	85-37-50(84)	14138.1	46983.0	32	9.8		2.13	70.41	27.46	08/02/88
54	A6-B	SAB, NW of Military Pt.	30-07-32(53)	85-37-50(84)	14137.4	46981.7	30	9.1		19.22	57.71	23.07	08/03/88
55	A9-A	SAB, SE of Town Pt,	30-07-54(54)	85-38-22(36)	14135.2	46986.2	24	7.3		4.76	46.78	48.46	08/03/88
56	A9-B	SAB, SE of Town Pt.	30-07-44(73)	85-38-19(32)	14134.7	46984.6	38	11.6		37.27	49.65	13.09	08/03/88
57	A9-C	SAB, SE of fl rd "24"	30-07-20(33)	85-38-22(36)	14132.6	46981.2	26	7.9		3.88	36.73	59.39	08/04/88
58	A10-A	SAB, SE of Town Pt.	30-07-55(91)	85-38-34(56)	14133.7	46986.7	25	7.6		1.9	72.94	25.15	08/04/88
59	A11-A	SAB, S of Town Pt.	30-07-38(64)	85-38-52(86)	14130.2	46985.1	24	7.3		72.01	17.98	10.01	08/04/88
60	A12-A	SAB, SW of Town Pt.	30-07-59(98)	85-39-16(59)	14128.7	46988.9	29	8.8					08/04/88
61	A12-B	SAB, SW of Town Pt.	30-07-50(84)	85-39-23(39)	14127.1	46988.0	24	7.3		3.61	37.84	58.55	08/04/88
62	A13-A	SAB, Bunkers Cove	30-08-29(48)	85-39-07(12)	14132.1	46993.0	22	6.7		1.13	72.53	26.35	08/04/88
63	A13-B	SAB, E of Redfish Pt.	30-08-32(54)	85-39-58(97)	14125.8	46995.4	33	10.1		0	67.46	32.54	08/04/88
64	A15-A	SAB, NE of Redfish Pt.	30-08-40(67)	85-39-46(77)	14128.0	46996.1	40	12.2		73.51	22.06	4.43	08/09/88
65	A15-B	SAB, E of Redfish Pt.	30-08-29(48)	85-39-53(89)	14126.2	46994.7	34	10.4		1.26	50.1	48.64	08/09/88
66	A15-C	SAB NNE of Smack Bayou mouth	30-08-02(04)	85-39-50(83)	14124.6	46990.7	19	5.8		28.77	28.31	42.93	08/09/88
67	A16-A	SAB, bayou SW of Military Pt	30-07-24(40)	85-37-30(50)	14139.4	46979.8	6.5	2.0		12.65	63.08	24.27	09/02/88
68	A17-A	inside mouth of Smack Bayou	30-07-49(82)	85-39-55(91)	14123.0	46989.0	14	4.3					09/07/88
69	B2-A	SAB, SE of qk fl "15" nav lt	30-08-26(44)	85-41-07(11)	14116.6	46997.0	38	11.6		3.47	72.01	24.52	08/09/88
70	B2-B	SAB, SE of qk fl "15" nav lt	30-08-23(39)	85-40-59(98)	14117.4	46996.3	36	11.0		0.95	61.76	37.29	08/09/88
71	B3-A	SAB, S of qk fl "15" nav. lt	30-08-17(28)	85-41-23(39)	14113.7	46996.2	38	11.6		53.67	26.93	19.41	08/10/88
72	B3-B	SAB, S of qk fl "15" nav. lt	30-08-05(09)	85-41-13(22)	14114.1	46994.2	34	10.4		32.21	39.97	27.82	08/10/88

Appendix 1 B cont'd

					napthalene ppb dw					fluorene ppb dw					phenanthrene ppb dw	
		wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	% mst	ppb	ppb	0-160	161-2100	>2100	ppb	ppb	0-19	20-540	>540	ppb	ppb	0-240	241-1500	>1500
46	79.8	nd	0				nd	0	0			nd	0	0		
46	82.5	nd	0				nd	0	0			nd	0	0		
47	73.9	10	38	38			50	192		192		320	1226		1226	
47	67.2	10	30	30			10	30		30		1000	3049			3049
47	81.6	20	109	109			20	109		109		760	4130			4130
48	71.0	20	69	69			10	34		34		40	138	138		
49	94.1	nd	0				10	169		169		290	4915			4915
49	95.5	nd	0				10	222		222		280	6222			6222
49	93.1	nd	0				5	72		72		20	290		290	
50	79.4	nd	0	0			nd	0	0			nd	0	0		
51	71.6	nd	0	0			nd	0	0			50	176	176		
52	48.2	nd	0	0			nd	0	0			nd	0	0		
53	76.8	nd	0	0			nd	0	0			nd	0	0		
54	76.4	10	42	42			nd	0	0			40	169	169		
55	79.4	nd	0	0			nd	0	0			30	146	146		
56	50.8	nd	0	0			nd	0	0			nd	0	0		
57	80	nd	0	0			nd	0	0			20	100	100		
58	78	nd	0	0			nd	0	0			40	182	182		
59	59.6	nd	0	0			10	25		25		50	124	124		
60	73.6	nd	0	0			nd	0	0			40	152	152		
61	73.8	nd	0	0			nd	0	0			50	191	191		
62	78.2	nd	0	0			nd	0	0			nd	0	0		
63	80.2	nd	0	0			nd	0	0			20	101	101		
64	36.8	nd	0	0			nd	0	0			nd	0	0		
65	79.8	nd	0	0			nd	0	0			nd	0	0		
66	76	20	83	83			10	42		42		70	292	0.07	292	
67	86.8	nd	0	0			nd	0	0			20	152	152		
68	56.2	nd	0	0			nd	0	0			20	46	46		
69	73.2	nd	0	0			nd	0	0			nd	0	0		
70	75.8	nd	0	0			nd	0	0			nd	0	0		
71	59.8	nd	0	0			nd	0	0			10	25	25		
72	63.4	nd	0	0			nd	0	0			nd	0	0		

Appendix 1 B cont'd

	anthracene ppb dw					fluoranthene ppb dw					pyrene ppb dw				
Stat. #	wet wgt ppb	dry wgt ppb	ERL 0-85.3	ERL-M 85.4-1100	ERM >1100	wet wgt ppb	dry wgt ppb	ERL 0-600	ERL-M 601-5100	ERM >5100	wet wgt ppb	dry wgt ppb	ERL 0-665	ERL-M 666-2600	ERM >2600
46	nd	0	0			20	99	99			20	99	99		
46	nd	0	0			20	114	114			20	114	114		
47	10	38	38			70	268	268			50	192	192		
47	5	15	15			80	244	244			50	152	152		
47	60	326		326		110	598	598			160	870		870	
48	40	138		138		100	345	345			120	414	414		
49	10	169		169		90	1525		1525		60	1017		1017	
49	10	222		222		100	2222		2222		90	2000		2000	
49	5	72	72			30	435	435			20	290	290		
50	nd	0	0			50	243	243			40	194	194		
51	10	35	35			60	211	211			60	211	211		
52	nd	0	0			30	58	58			30	58	58		
53	nd	0	0			40	172	172			40	172	172		
54	nd	0	0			40	169	169			50	212	212		
55	10	49	49			50	243	243			60	291	291		
56	20	41	41			30	61	61			40	81	81		
57	nd	0	0			50	250	250			50	250	250		
58	10	45	45			60	273	273			60	273	273		
59	20	50	50			30	74	74			20	50	50		
60	10	38	38			20	76	76			50	189	189		
61	20	76	76			40	153	153			40	153	153		
62	10	46	46			40	183	183			40	183	183		
63	20	101		101		20	101	101			20	101	101		
64	nd	0	0			nd	0	0			10	16	16		
65	10	50	50			30	149	149			20	99	99		
66	10	42	42			80	333	333			90	375	375		
67	nd	0	0			70	530	530			80	606	606		
68	nd	0	0			30	68	68			40	91	91		
69	nd	0	0			20	75	75			10	37	37		
70	nd	0	0			10	41	41			20	83	83		
71	nd	0	0			10	25	25			20	50	50		
72	nd	0	0			10	27	27			20	55	55		

Appendix 1 B cont'd

	1,2-benzanthracene [benz(a)anthracene] ppb dw					chrysene ppb dw					benzo(b)fluoranthene ppb dw				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-261	262-1600	>1600	ppb	ppb	0-384	385-2800	>2800	ppb	ppb	none	none	none
46	5	25	25			nd	0	0			10	50			
46	10	57	57			nd	0	0			10	57			
47	10	38	38			30	115	115			10	38			
47	90	274		274		180	549		549		20	61			
47	40	217	217			110	598		598		20	109			
48	100	345		345		70	241	241			100	345			
49	30	508		508		40	678		678		20	339			
49	30	667		667		80	1778		1778		20	444			
49	10	145	145			10	145	145			10	145			
50	20	97	97			10	49	49			60	291			
51	30	106	106			10	35	35			70	246			
52	20	39	39			40	77	77			30	58			
53	10	43	43			20	86	86			40	172			
54	10	42	42			20	85	85			40	169			
55	30	146	146			10	49	49			40	194			
56	20	41	41			20	41	41			40	81			
57	10	50	50			40	200	200			50	250			
58	70	318		318		50	227	227			50	227			
59	10	25	25			50	124	124			20	50			
60	30	114	114			60	227	227			40	152			
61	10	38	38			nd	0	0			40	153			
62	20	92	92			10	46	46			40	183			
63	10	51	51			20	101	101			30	152			
64	10	16	16			20	32	32			10	16			
65	20	99	99			20	99	99			30	149			
66	90	375		375		110	458		458		120	500			
67	10	76	76			nd	0	0			30	227			
68	20	46	46			10	23	23			30	68			
69	10	37	37			20	75	75			10	37			
70	10	41	41			10	41	41			20	83			
71	nd	0	0			nd	0	0			10	25			
72	nd	0	0			nd	0	0			10	27			

Appendix 1 B cont'd

	benzo(k)fluoranthene ppb dw					benzo(e)pyrene ppb dw					benzo(a)pyrene ppb dw				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	0-430	431-1600	>1600
46	10	50				10	50				10	50	50		
46	10	57				10	57				10	57	57		
47	5	19				10	38				5	19	19		
47	10	30				5	15				20	61	61		
47	10	54				110	598				30	163	163		
48	30	103				90	310				80	276	276		
49	10	169				30	508				20	339	339		
49	10	222				20	444				20	444		444	
49	5	72				5	72				5	72	72		
50	10	49				60	291				10	49	49		
51	10	35				60	211				40	141	141		
52	10	19				30	58				20	39	39		
53	10	43				30	129				50	216	216		
54	20	85				40	169				20	85	85		
55	20	97				20	97				30	146	146		
56	10	20				40	81				10	20	20		
57	10	50				40	200				10	50	50		
58	10	45				40	182				20	91	91		
59	10	25				30	74				40	99	99		
60	10	38				100	379				30	114	114		
61	10	38				80	305				30	115	115		
62	10	46				70	321				50	229	229		
63	10	51				30	152				10	51	51		
64	10	16				20	32				30	47	47		
65	10	50				30	149				30	149	149		
66	60	250				90	375				130	542		542	
67	10	76				nd	0				20	152	152		
68	10	23				80	183				10	23	23		
69	10	37				40	149				20	75	75		
70	10	41				10	41				10	41	41		
71	10	25				nd	0				20	50	50		
72	nd	0				10	27				10	27	27		

Appendix 1 B cont'd

	1,2,5,6-dibenzanthracene [dibenzo(a,h)anthracene] ppb dw					benzo(g,h,i)perylene ppb dw					total PAH				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-63.4	63.5-260	>260	ppb	ppb	none	none	none	ppb	ppb	0-4022	4023-44792	>44792
46	nd	0	0			10	50					470	470		
46	nd	0	0			5	29					543	543		
47	5	19	19			5	19					2261	2261		
47	20	61	61			5	15					4588		4588	
47	20	109		109		40	217					8207		8207	
48	10	34	34			20	69					2862	2862		
49	20	339			339	30	508					11186		11186	
49	5	111		111		10	222					15222		15222	
49	5	72		72		5	72					1957	1957		
50	10	49	49			20	97					1408			
51	10	35	35			30	106					1549			
52	10	19	19			20	39					463			
53	10	43	43			20	86					1164			
54	10	42	42			20	85					1356			
55	10	49	49			20	97					1602			
56	10	20	20			20	41					528			
57	10	50	50			20	100					1550			
58	10	45	45			20	91					2000			
59	10	25	25			10	25					767			
60	nd	0	0			10	38					1515			
61	nd	0	0			20	76					1298			
62	nd	0	0			10	46					1376			
63	nd	0	0			10	51					1010			
64	nd	0	0			nd	0					174			
65	nd	0	0			10	50					1040			
66	10	42	42			30	125					3833			
67	nd	0	0			10	76					1894			
68	10	23	23			10	23					616			
69	nd	0	0			10	37					560			
70	nd	0	0			10	41					455			
71	nd	0	0			nd	0					199			
72	nd	0	0			10	27					191			

Appendix 1 B cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	% TOC	% Sand	% Silt	% Clay	PAH Sample Date
73	B4-A	SAB, SW of Davis Point	30-07-04(07)	85-41-31(52)	14107.2	46986.0	30	9.1					08/10/88
74	B6-A	SAB, E of qk fl G 17ft "3"	30-09-01(01)	85-41-11(19)	14118.5	47002.1	37	11.3		26.49	54.53	18.98	08/11/88
75	B6-B	SAB, NW of Redfish Pt.	30-08-50(83)	85-40-46(77)	14121.0	46999.6	38	11.6		5.42	83.22	11.36	08/11/88
76	B6-C	SAB, NNW of Redfish Pt.	30-08-41(68)	85-40-09(15)	14125.1	46997.0	36	11.0					08/11/88
77	C2-A	SAB, E of St. Andrew Marina	30-10-06(10)	85-42-30(50)	14113.0	47014.0	29	8.8		2.43	69.89	27.67	08/11/88
78	C2-B	SAB, N or Courtney Pt.	30-09-19(31)	85-42-38(64)	14108.5	47007.7	29	8.8		2.29	29.65	68.07	08/11/88
79	C3-A	SAB, SW of Lake Huntington	30-10-22(37)	85-42-38(63)	14113.3	47016.7	23	7.0		4.64	59.95	35.41	08/15/88
80	C3-B	SAB, NE of bl C "13" nav mkr	30-10-04(07)	85-43-00(00)	14109.0	47014.8	40	12.2					08/15/88
81	D3-A	SAB 2000yd WNW TAFB Ycht Clb	30-05-58(97)	85-39-54(90)	14114.6	46972.9	29	8.8					09/12/88
82	D3-B	SAB NNE of Spanish Shanty Pt	30-06-31(52)	85-41-23(39)	14105.7	46981.0	32	9.8					09/12/88
83	E1-A	E. Bay, NE of QG 17ft "43"	30-06-29(49)	85-33-01(02)	14167.9	46972.2	20	6.1		0.06	44.62	55.32	08/18/88
84	E2-A	E. Bay, NE of QG 17ft "45"	30-06-22(37)	85-34-47(78)	14154.6	46963.7	33	10.1					08/18/88
85	E2-B	E. Bay, E of QG 17ft "45"	30-06-10(16)	85-34-35(58)	14154.9	46961.4	22	6.7		0.99	40	59.01	08/18/88
86	E3-A	E. Bay, N of QG 17ft "45"	30-06-24(40)	85-35-14(24)	14151.4	46965.3	34	10.4		18.38	36.85	44.77	08/18/88
87	E5-A	E. Bay, SE of Dupont Bridge	30-05-49(82)	85-36-05(08)	14142.5	46952.3	28	8.5		16.85	47.2	35.96	08/19/88
88	SC1-PO	SAB, S of paper mill	30-08-06(10)	85-37-05(09)	14145.7	46985.0	14	4.3					09/07/88
89	SC2-PO	SAB, S of paper mill	30-08-06(10)	85-37-16(27)	14144.3	46985.4	14	4.3		58.01	30.25	11.74	09/07/88
90	SC3-PO	SAB, S of paper mill	30-08-02(04)	85-37-29(48)	14142.5	46985.3	38	11.6		16.7	45.01	38.29	09/07/88
91	SC4-PO	SAB, S of paper mill	30-08-14(24)	85-37-29(49)	14143.4	46987.1	24	7.3					09/07/88
92	SC5-PO	SAB, S of paper mill	31-08-02(04)	85-37-08(14)	14145.1	46984.4	17	5.2					09/07/88
93	SC6-PO	SAB, S of paper mill	30-08-13(22)	85-37-35(59)	14142.5	46987.2	33	10.1		52.57	30.25	17.18	09/07/88
94	SC7-PO	SAB, S of paper mill	30-08-07(12)	85-37-43(71)	14141.2	46986.6	28	8.5		48.31	34.77	16.92	09/07/88
95	ML2-PO	Martin Lk E of hwy 98 bridge	30-08-10(17)	85-36-44(73)	14148.7	46984.7	9	2.7					08/17/88
96	NwB-1	N. Bay, Newman Bayou middle	30-16-20(34)	85-40-24(40)	14158.0	47063.6	4.5	1.4					09/13/88
97	none	East Bay, E. of Long Point	30-06-29(49)	85-35-14(23)	14151.9	46966.1	29	8.8	5.95	2	39.5	58.5	08/04/97
98	LKH	SAB, Lake Huntington middle	30-10-39(65)	85-42-16(26)	14117.5	47018.4	8	2.4		31.74	53.88	14.39	09/08/88
99	MB-1	SAB, Massalina Bayou upper	30-09-24(40)	85-39-23(39)	14134.4	47001.6	4.5	1.4					08/11/88
100	MB-2	SAB, Massalina Bayou middle	30-09-14(24)	85-39-20(34)	14133.9	47000.1	7	2.1					08/11/88
101	RB-1	N. Bay Robinson Bayou middle	30-12-41(69)	85-41-38(64)	14131.6	47034.6	5.5	1.7					08/17/88
102	RB-2	N. Bay Robinson Bayou middle	30-12-44(74)	85-41-44(73)	14131.1	47035.2	6	1.8					08/17/88
103	NvL-1	SAB, outer end, Navy channel	30-10-28(47)	85-44-37(61)	14097.9	47021.4	21	6.4		70.24	14.26	15.5	09/13/88

Appendix 1 B cont'd

					napthalene ppb dw					fluorene ppb dw					phenanthrene ppb dw	
Stat. #	% mst	wet wgt ppb	dry wgt ppb	ERL 0-160	ERL-M 161-2100	ERM >2100	wet wgt ppb	dry wgt ppb	ERL 0-19	ERL-M 20-540	ERM >540	wet wgt ppb	dry wgt ppb	ERL 0-240	ERL-M 241-1500	ERM >1500
73	47.8	nd	0	0			nd	0	0			nd	0	0		
74	53	nd	0	0			nd	0	0			nd	0	0		
75	75.2	nd	0	0			nd	0	0			nd	0	0		
76	81.4	nd	0	0			nd	0	0			nd	0	0		
77	77.4	nd	0	0			nd	0	0			nd	0	0		
78	77.2	nd	0	0			nd	0	0			nd	0	0		
79	76.8	nd	0	0			nd	0	0			nd	0	0		
80	53.4	10	21	21			nd	0	0			nd	0	0		
81	83.6	nd	0	0			nd	0	0			nd	0	0		
82	76.4	nd	0	0			nd	0	0			nd	0	0		
83	80.4	10	51	51			nd	0	0			nd	0	0		
84	80.4	nd	0	0			nd	0	0			30	153	153		
85	66	nd	0	0			nd	0	0			nd	0	0		
86	74.8	nd	0	0			nd	0	0			nd	0	0		
87	79.4	nd	0	0			nd	0	0			nd	0	0		
88	78.2	10	46	46			nd	0	0			110	505		505	
89	64.4	70	197		197		30	84		84		140	393		393	
90	80.6	10	52	52			nd	0	0			50	258		258	
91	84.4	10	64	64			nd	0	0			60	385		385	
92	74.4	10	39	39			10	39		39		70	273		273	
93	75.2	20	81	81			10	40		40		40	161	161		
94	65.4	80	231		231		20	58		58		100	289		289	
95	96.8	nd	0	0			10	313		313		100	3125			3125
96	73.6	10	38	38			nd	0	0			nd	0	0		
97																
98	71.4	10	35	35			nd	0	0			10	35	35		
99	69.8	10	33	33			10	33		33		100	331		331	
100	76.4	nd	0	0			nd	0	0			30	127	127		
101	73.2	nd	0	0			nd	0	0			nd	0	0		
102	72.2	10	36	36			nd	0	0			nd	0	0		
103	48.8	nd	0	0			nd	0	0			nd	0	0		

Appendix 1 B cont'd

	anthracene ppb dw					fluoranthene ppb dw					pyrene ppb dw				
Stat. #	wet wgt ppb	dry wgt ppb	ERL 0-85.3	ERL-M 85.4-1100	ERM >1100	wet wgt ppb	dry wgt ppb	ERL 0-600	ERL-M 601-5100	ERM >5100	wet wgt ppb	dry wgt ppb	ERL 0-665	ERL-M 666-2600	ERM >2600
73	nd	0	0			nd	0	0			nd	0	0		
74	nd	0	0			10	21	21			20	43	43		
75	nd	0	0			10	40	40			30	121	121		
76	nd	0	0			10	54	54			20	108	108		
77	nd	0	0			20	88	88			20	88	88		
78	nd	0	0			10	44	44			20	88	88		
79	20	86		86		20	86	86			20	86	86		
80	nd	0	0			10	21	21			20	43	43		
81	nd	0	0			nd	0	0			20	122	122		
82	nd	0	0			10	42	42			nd	0	0		
83	10	51	51			nd	0	0			20	102	102		
84	20	102		102		10	51	51			30	153	153		
85	30	88		88		40	118	118			50	147	147		
86	10	40	40			40	159	159			40	159	159		
87	nd	0	0			20	97	97			30	146	146		
88	30	138		138		50	229	229			40	183	183		
89	50	140		140		180	506	506			220	618	618		
90	10	52	52			50	258	258			100	515	515		
91	nd	0	0			180	1154		1154		280	1795		1795	
92	20	78	78			220	859		859		200	781		781	
93	40	161		161		80	323	323			560	2258		2258	
94	nd	0	0			160	462	462			240	694		694	
95	100	3125			3125	90	2813		2819		80	2500		2500	
96	nd	0	0			nd	0	0			nd	0	0		
97															
98	nd	0	0			20	70	70			40	140	140		
99	10	33	33			350	1159		1159		340	1126		1126	
100	60	254		254		120	508	508			180	763		763	
101	nd	0	0			20	75	75			30	112	112		
102	nd	0	0			10	36	36			30	108	108		
103	nd	0	0			10	20	20			20	39	39		

Appendix 1 B cont'd

	1,2-benzanthracene [benz(a)anthracene] ppb dw					chrysene ppb dw					benzo(b)fluoranthene ppb dw				
Stat. #	wet wgt ppb	dry wgt ppb	ERL 0-261	ERL-M 262-1600	ERM >1600	wet wgt ppb	dry wgt ppb	ERL 0-384	ERL-M 385-2800	ERM >2800	wet wgt ppb	dry wgt ppb	ERL none	ERL-M none	ERM none
73	10	19	19			nd	0	0			10	19			
74	20	43	43			20	43	43			10	21			
75	nd	0	0			nd	0	0			10	40			
76	10	54	54			10	54	54			10	54			
77	nd	0	0			nd	0	0			10	44			
78	nd	0	0			nd	0	0			30	132			
79	10	43	43			30	129	129			30	129			
80	20	43	43			20	43	43			20	43			
81	10	61	61			30	183	183			nd	0			
82	nd	0	0			nd	0	0			10	42			
83	20	102	102			20	102	102			20	102			
84	10	51	51			30	153	153			40	204			
85	20	59	59			50	147	147			70	206			
86	10	40	40			30	119	119			40	159			
87	10	49	49			30	146	146			50	243			
88	60	275		275		1200	5505			5505	1400	6422			
89	40	112	112			510	1433		1433		90	253			
90	70	361		361		150	773		773		60	309			
91	100	641		641		280	1795		1795		190	1218			
92	30	117	117			540	2109		2109		120	469			
93	570	2298			2298	680	2742		2742		130	524			
94	40	116	116			200	578		578		50	145			
95	70	2188			2188	790	24688			24688	80	2500			
96	nd	0	0			80	303	303			20	76			
97															
98	30	105	105			40	140	140			50	175			
99	170	563		563		180	596		596		240	795			
100	70	297		297		30	127	127			290	1229			
101	20	75	75			30	112	112			40	149			
102	80	288		288		180	647		647		20	72			
103	10	20	20			10	20	20			10	20			

Appendix 1 B cont'd

	benzo(k)fluoranthene ppb dw					benzo(e)pyrene ppb dw					benzo(a)pyrene ppb dw				
Stat. #	wet wgt ppb	dry wgt ppb	ERL none	ERL-M none	ERM none	wet wgt ppb	dry wgt ppb	ERL none	ERL-M none	ERM none	wet wgt ppb	dry wgt ppb	ERL 0-430	ERL-M 431-1600	ERM >1600
73	nd	0				10	19				10	19	19		
74	nd	0				30	64				10	21	21		
75	10	40				10	40				10	40	40		
76	10	54				10	54				10	54	54		
77	10	44				20	88				10	44	44		
78	10	44				10	44				30	132	132		
79	10	43				30	129				20	86	86		
80	10	21				20	43				30	64	64		
81	nd	0				10	61				nd	0	0		
82	nd	0				nd	0				10	42	42		
83	10	51				nd	0				30	153	153		
84	10	51				80	408				20	102	102		
85	10	29				40	118				30	88	88		
86	10	40				80	317				20	79	79		
87	10	49				80	388				20	97	97		
88	nd	0				120	550				10	46	46		
89	10	28				40	112				20	56	56		
90	10	52				30	155				50	258	258		
91	50	321				80	513				90	577		577	
92	10	39				170	664				40	156	156		
93	40	161				310	1250				260	1048		1048	
94	30	87				120	347				20	58	58		
95	10	313				60	1875				20	625		625	
96	10	38				10	38				10	38	38		
97															
98	10	35				30	105				30	105	105		
99	140	464				230	762				170	563		563	
100	140	593				270	1144				170	720		720	
101	10	37				20	75				80	299	299		
102	10	36				80	288				150	540		540	
103	10	20				20	39				20	39	39		

Appendix 1 B cont'd

		napthalene ppb dw					fluorene ppb dw					phenanthrene ppb dw				
Stat. #	% mst	wet wgt ppb	dry wgt ppb	ERL 0-160	ERL-M 161-2100	ERM >2100	wet wgt ppb	dry wgt ppb	ERL 0-19	ERL-M 20-540	ERM >540	wet wgt ppb	dry wgt ppb	ERL 0-240	ERL-M 241-1500	ERM >1500
104																
104																
104																
104																
104																
104																
104																
104																
104																
105																

Appendix 1 B cont'd

				anthracene ppb dw					fluoranthene ppb dw					pyrene ppb dw	
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-85.3	85.4-1100	>1100	ppb	ppb	0-600	601-5100	>5100	ppb	ppb	0-665	666-2600	>2600
104															
104															
104															
104															
104															
104															
104															
104															
104															
105															

Appendix 1 B cont'd

	1,2-benzanthracene [benz(a)anthracene] ppb dw					chrysene ppb dw					benzo(b)fluoranthene ppb dw				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-261	262-1600	>1600	ppb	ppb	0-384	385-2800	>2800	ppb	ppb	none	none	none
104															
104															
104															
104															
104															
104															
104															
104															
104															
105															

Appendix 1 B cont'd

	benzo(k)fluoranthene ppb dw					benzo(e)pyrene ppb dw					benzo(a)pyrene ppb dw				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	0-430	431-1600	>1600
104															
104															
104															
104															
104															
104															
104															
104															
104															
105															

Appendix 1 B cont'd

	1,2,5,6-dibenzanthracene [dibenzo(a,h)anthracene] ppb dw					benzo(g,h,i)perylene ppb dw					total PAH				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	0-63.4	63.5-260	>260	ppb	ppb	none	none	none	ppb	ppb	0-4022	4023-44792	>44792
104															
104															
104															
104															
104															
104															
104															
104															
104															
105												0			

Appendix 1C. Organochlorine (OC) and polychlorinated biphenyl (PCB) Data Base, St. Andrew Bay. Values for ERL, ERL-M, and ERM are ng/gm (ppb) dry weight (dw).

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	OC Sample Date
1	SABS-1	So. of Panama City Marina	38-08-03(05)	85-40-02(03)				0.0					08/27/85
2	SABS-2	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/27/85
2	MB-3	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/15/88
3	SABS-3	Pearl Bayou	30-06-05(08)	85-37-20(34)				0.0					08/27/85
4	SABS-4	Freshwater Bayou	30-07-11(19)	85-39-03(05)				0.0					08/27/85
5	SABS-5	"15" quick flash nav. light	30-08-37(62)	85-41-15(25)				0.0					08/27/85
6	SABS-6	N of ctr of Shell Island	30-05-53(88)	85-41-03(05)				0.0					08/27/85
7	SABS-7	upper Grand Lagoon	30-09-14(24)	85-45-38(63)				0.0					08/28/85
8	SABS-8	Treasure Ship Marina	30-08-34(57)	85-44-54(90)				0.0					08/28/85
9	SABS-9	Captain Anderson's Marina	30-08-52(87)	85-44-52(87)				0.0					08/28/85
10	SABS-10	lower Grand Lagoon channel	30-08-31(52)	85-44-14(23)				0.0					08/28/85
11	SABS-11	black can "5" nav. marker	30-08-22(37)	85-41-54(90)				0.0					08/28/85
12	SABS-12	St. Andrew Marina	30-10-05(08)	85-42-14(23)				0.0					08/28/85
13	SABS-13	Port Panama City, south	30-10-32(54)	85-43-56(93)				0.0					08/28/85
13	PCPT-So	Port Panama City, South	30-10-32(54)	85-43-56(93)				0.0					09/08/88
14	SABS-14	Port Panama City, west	30-10-41(68)	85-44-03(05)				0.0					08/29/85
15	SABS-15	Alligator Bayou (Navy Lab)	30-10-21(35)	85-45-29(48)				0.0					08/29/85
16	SABS-16	Bay Point Marina	30-08-35	85-43-50				0.0					08/29/85
17	SABE-1	E. Bay, Callaway Bayou	30-08-11	85-34-08				0.0					08/29/85
18	SABE-2	E. Bay, Eastern Marine	30-01-47	85-28-36				0.0					08/29/85
19	SABE-3	E. Bay, qk fl "43" nav. lt.	30-08-16	85-33-23				0.0					08/29/85
20	SABE-4	E. Bay, Little Cedar Bayou	30-04-53	85-33-26				0.0					08/29/85
21	SABE-5	E. Bay, Shoal Point Bayou	30-05-14	85-35-11				0.0					08/29/85
22	SABN-1	N. Bay, Robinson Bayou	30-12-33	85-41-52				0.0					09/04/85
23	SABN-2	N. Bay, Goose Bayou	30-13-16	85-41-00				0.0					09/04/85
24	SABN-3	N. Bay, Upper Goose Bayou	30-14-05	85-40-14				0.0					09/04/85
25	SABN-4	N. Bay, Lynn Haven Bayou	30-14-58	85-39-52				0.0					09/04/85
26	SABN-5	N. Bay, Beatty Bayou	30-14-57	85-37-19				0.0					09/04/85
27	SABN-6	N. Bay, Fanning Bayou	30-16-26	85-39-10				0.0					09/04/85
28	SABN-7	N. Bay, fl rd "6" nav. lt.	30-15-03	85-41-02				0.0					09/04/85
29	SABN-8	N. Bay, so. of West Bay Pt.	30-13-15	85-43-21				0.0					09/04/85
30	SABN-9	N. Bay, Alligator Bayou	30-15-41	85-41-57				0.0					09/04/85
31	SABN-10	N. Bay, Mud Bayou	30-14-19	85-42-46				0.0					09/05/85
32	SABN-11	N. Bay, below Deer Pt. Dam	30-16-00	85-36-26				0.0					09/05/85

Appendix 1 C cont'd.

	o,p'-DDT					total DDT					Dieldrin				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	0-1.58	1.58-46.1	>46.1	ppb	ppb	none	none	none
1	nd	0				10	26		26		nd	0			
2	10	20				100	200			200	nd	0			
2	nd	0				30	84			84	nd	0			
3	nd	0				40	59			59	nd	0			
4	nd	0				30	75			75	nd	0			
5	nd	0				0	0	0			nd	0			
6	nd	0				0	0	0			nd	0			
7	nd	0				20	33		33		nd	0			
8	10	50				60	302			302	nd	0			
9	10	14				50	72			72	nd	0			
10	nd	0				0	0	0			nd	0			
11	nd	0				0	0	0			nd	0			
12	nd	0				40	56			56	nd	0			
13	nd	0				0	0	0			nd	0			
13															
14	nd	0				10	59			59	nd	0			
15	nd	0				20	32		32		nd	0			
16	nd	0				10	20		20		nd	0			
17	nd	0				20	48			48	nd	0			
18	nd	0				0	0	0			nd	0			
19	nd	0				0	0	0			nd	0			
20	nd	0				20	34		34		nd	0			
21	200	420				6710	14097			14097	nd	0			
22	nd	0				60	127			127	nd	0			
23	nd	0				10	22		22		nd	0			
24	nd	0				0	0	0			nd	0			
25	nd	0				0	0	0			nd	0			
26	nd	0				0	0	0			nd	0			
27	nd	0				0	0	0			nd	0			
28	nd	0				0	0	0			nd	0			
29	nd	0				0	0	0			nd	0			
30	nd	0				0	0	0			nd	0			
31	nd	0				0	0	0			nd	0			
32	nd	0				0	0	0			nd	0			

Appendix 1 C cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	OC Sample Date
33	SABN-12	N. Bay, Poston Bayou	30-11-14	85-43-00				0.0					09/05/85
34	SABW-1	W. Bay, Warren Bayou	30-16-38	85-44-14				0.0					09/05/85
35	SABW-2	W. Bay, bl C "3" nav. mark.	30-15-37	85-47-00				0.0					09/05/85
36	SABW-3	W. Bay, Burnt Mill Creek	30-18-17	85-45-38				0.0					09/05/85
37	SABW-4	W. Bay, Botheration Bayou	30-15-32	85-49-36				0.0					09/05/85
38	WB-1A	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
38	WB-1B	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
38	WB-1C	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
39	WB-2A	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
39	WB-2B	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
39	WB-2C	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
39	WB-2	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					08/12/88
40	WB-3A	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
40	WB-3B	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
40	WB-3C	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
41	WB-4A	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
41	WB-4B	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
41	WB-4C	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
42	WB-5A	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
42	WB-5B	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
42	WB-5C	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
43	WB-6A	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
43	WB-6B	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
43	WB-6C	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
44	WB-7A	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
44	WB-7B	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
44	WB-7C	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
45	WB-8A	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
45	WB-8B	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
45	WB-8C	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
46	WB-9A	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85
46	WB-9B	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85

Appendix 1 C cont'd.

					total PCBs					p,p'-DDD					p,p'-DDE	
		wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	% mst	ppb	ppb	0-22.7	22.8-180	>180	ppb	ppb	none	none	none	ppb	ppb	0-2.2	2.3-27	>27
33	62.6	nd	0	0			40	107				20	53			53
34	36	nd	0	0			nd	0				nd	0	0		
35	74.2	nd	0	0			nd	0				nd	0	0		
36	40.4	nd	0	0			nd	0				nd	0	0		
37	30.6	nd	0	0			nd	0				nd	0	0		
								0								
38	58.4	nd	0	0			10	24				20	48			48
38	88.6	40	351			351	20	175				20	175			175
38	73.2	nd	0	0			30	112				30	112			112
39	86.1	330	2374			2374	10	72				20	144			144
39	92.4	340	4474			4474	nd	0				20	263			263
39	88	190	1583			1583	10	83				10	83			83
39	84.2	200	1266			1266	nd	0				10	63			63
40	73.4	90	338			338	10	38				10	38			38
40	76	100	417			417	10	42				10	42			42
40	60.1	50	125		125		10	25				10	25		25	
41	58.9	nd	0	0			nd	0				10	24		24	50
41	86.1	nd	0	0			10	72				10	72			72
41	82.8	nd	0	0			20	116				10	58			58
42	72.1	nd	0	0			10	36				10	36			36
42	69.2	nd	0	0			nd	0				nd	0	0		
42	71	nd	0	0			nd	0				20	69			69
43	67.1	nd	0	0			10	30				20	61			61
43	75.1	60	241			241	30	120				20	80			80
43	78.4	30	139		139		10	46				10	46			46
44	68.2	nd	0	0			nd	0				nd	0			
44	72.8	nd	0	0			10	37				10	37			37
44	69.8	nd	0	0			nd	0				nd	0	0		
45	82.9	nd	0	0			10	58				10	58			58
45	70.9	nd	0	0			nd	0				nd	0	0		
45	87.5	nd	0	0			nd	0				10	80			80
46	88.2	nd	0	0			nd	0				10	85			85
46	79.8	nd	0	0			10	50				10	50			50

Appendix 1C con'td.

				p,p'-DDT					o,p'-DDD					o,p'-DDE	
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	none	none	none
33	nd	0				nd	0				nd	0			
34	nd	0				nd	0				nd	0			
35	nd	0				nd	0				nd	0			
36	nd	0				nd	0				nd	0			
37	nd	0				nd	0				nd	0			
							0								
38	nd	0				nd	0				nd	0			
38	10	88				nd	0				nd	0			
38	10	37				nd	0				nd	0			
39	nd	0				nd	0				nd	0			
39	nd	0				nd	0				nd	0			
39	nd	0				nd	0				nd	0			
39	nd	0				nd	0				nd	0			
40	nd	0				nd	0				nd	0			
40	nd	0				nd	0				nd	0			
40	nd	0				nd	0				nd	0			
41	nd	0				nd	0				nd	0			
41	nd	0				nd	0				nd	0			
41	nd	0				nd	0				nd	0			
42	nd	0				nd	0				nd	0			
42	nd	0				nd	0				nd	0			
42	nd	0				nd	0				nd	0			
43	nd	0				nd	0				nd	0			
43	nd	0				nd	0				nd	0			
43	nd	0				nd	0				nd	0			
44	nd	0				nd	0				nd	0			
44	nd	0				nd	0				nd	0			
44	nd	0				nd	0				nd	0			
45	nd	0				nd	0				nd	0			
45	nd	0				nd	0				nd	0			
45	nd	0				nd	0				nd	0			
46	nd	0				nd	0				nd	0			
46	nd	0				nd	0				nd	0			

Appendix 1 C cont'd.

	o,p'-DDT					total DDT					Dieldrin				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	0-1.58	1.58-46.1	>46.1	ppb	ppb	none	none	none
33	20	53				80	214			214	nd	0			
34	nd	0				0	0	0			nd	0			
35	nd	0				0	0	0			nd	0			
36	nd	0				0	0	0			nd	0			
37	nd	0				0	0	0			nd	0			
												0			
38	nd	0				30	72			72	nd	0			
38	nd	0				50	439			439	nd	0			
38	nd	0				70	261			261	10	37			
39	nd	0				30	216			216	nd	0			
39	nd	0				20	263			263	nd	0			
39	nd	0				20	167			167	nd	0			
39	nd	0				nd	0	0			nd	0			
40	nd	0				20	75			75	nd	0			
40	nd	0				20	83			83	nd	0			
40	nd	0				20	50			50	nd	0			
41	nd	0				10	24		24		nd	0			
41	nd	0				20	144			144	nd	0			
41	nd	0				30	174			174	nd	0			
42	nd	0				20	72			72	nd	0			
42	nd	0				0	0	0			nd	0			
42	nd	0				20	69			69	nd	0			
43	nd	0				30	91			91	nd	0			
43	nd	0				50	201			201	nd	0			
43	nd	0				20	93			93	nd	0			
44	nd	0				0	0	0			nd	0			
44	nd	0				20	74			74	nd	0			
44	nd	0				0	0	0			nd	0			
45	nd	0				20	117			117	nd	0			
45	nd	0				0	0	0			nd	0			
45	nd	0				10	80			80	nd	0			
46	nd	0				10	85			85	nd	0			
46	nd	0				20	99			99	nd	0			

Appendix 1 C cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	OC Sample Date
46	WB-9C	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85
47	WB-10A	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
47	WB-10B	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
47	WB-10C	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
48	WB-11	Watson B, 100 yds N of mouth	30-08-25(42)	85-38-05(08)	14139.6	46990.1	22	6.7					08/12/88
49	ML-1A	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
49	ML-1B	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
49	ML-1C	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
50	A2-A	SAB, SW of Donaldson Pt.	30-06-52(87)	85-36-43(72)	14142.7	46973.2	31	9.4		1.97	67.65	30.38	08/02/88
51	A2-B	SAB, SW of Donaldson Pt.	30-06-49(81)	85-37-01(01)	14140.3	46973.4	26	7.9		6.22	34.6	59.18	08/02/88
52	A5-A	SAB, NW of Military Pt.	30-07-35(75)	85-37-35(58)	14140.4	46983.0	32	9.8		66.45	28.54	5.01	08/02/88
53	A6-A	SAB, NW of Military Pt.	30-07-41(68)	85-37-50(84)	14138.1	46983.0	32	9.8		2.13	70.41	27.46	08/02/88
54	A6-B	SAB, NW of Military Pt.	30-07-32(53)	85-37-50(84)	14137.4	46981.7	30	9.1		19.22	57.71	23.07	08/03/88
55	A9-A	SAB, SE of Town Pt,	30-07-54(54)	85-38-22(36)	14135.2	46986.2	24	7.3		4.76	46.78	48.46	08/03/88
56	A9-B	SAB, SE of Town Pt.	30-07-44(73)	85-38-19(32)	14134.7	46984.6	38	11.6		37.27	49.65	13.09	08/03/88
57	A9-C	SAB, SE of fl rd "24"	30-07-20(33)	85-38-22(36)	14132.6	46981.2	26	7.9		3.88	36.73	59.39	08/04/88
58	A10-A	SAB, SE of Town Pt.	30-07-55(91)	85-38-34(56)	14133.7	46986.7	25	7.6		1.9	72.94	25.15	08/04/88
59	A11-A	SAB, S of Town Pt.	30-07-38(64)	85-38-52(86)	14130.2	46985.1	24	7.3		72.01	17.98	10.01	08/04/88
60	A12-A	SAB, SW of Town Pt.	30-07-59(98)	85-39-16(59)	14128.7	46988.9	29	8.8					08/04/88
61	A12-B	SAB, SW of Town Pt.	30-07-50(84)	85-39-23(39)	14127.1	46988.0	24	7.3		3.61	37.84	58.55	08/04/88
62	A13-A	SAB, Bunkers Cove	30-08-29(48)	85-39-07(12)	14132.1	46993.0	22	6.7		1.13	72.53	26.35	08/04/88
63	A13-B	SAB, E of Redfish Pt.	30-08-32(54)	85-39-58(97)	14125.8	46995.4	33	10.1		0	67.46	32.54	08/04/88
64	A15-A	SAB, NE of Redfish Pt.	30-08-40(67)	85-39-46(77)	14128.0	46996.1	40	12.2		73.51	22.06	4.43	08/09/88
65	A15-B	SAB, E of Redfish Pt.	30-08-29(48)	85-39-53(89)	14126.2	46994.7	34	10.4		1.26	50.1	48.64	08/09/88
66	A15-C	SAB NNE of Smack Bayou mouth	30-08-02(04)	85-39-50(83)	14124.6	46990.7	19	5.8		28.77	28.31	42.93	08/09/88
67	A16-A	SAB, bayou SW of Military Pt	30-07-24(40)	85-37-30(50)	14139.4	46979.8	6.5	2.0		12.65	63.08	24.27	09/02/88
68	A17-A	inside mouth of Smack Bayou	30-07-49(82)	85-39-55(91)	14123.0	46989.0	14	4.3					09/07/88
69	B2-A	SAB, SE of qk fl "15" nav lt	30-08-26(44)	85-41-07(11)	14116.6	46997.0	38	11.6		3.47	72.01	24.52	08/09/88
70	B2-B	SAB, SE of qk fl "15" nav lt	30-08-23(39)	85-40-59(98)	14117.4	46996.3	36	11.0		0.95	61.76	37.29	08/09/88
71	B3-A	SAB, S of qk fl "15" nav. lt	30-08-17(28)	85-41-23(39)	14113.7	46996.2	38	11.6		53.67	26.93	19.41	08/10/88
72	B3-B	SAB, S of qk fl "15" nav. lt	30-08-05(09)	85-41-13(22)	14114.1	46994.2	34	10.4		32.21	39.97	27.82	08/10/88
73	B4-A	SAB, SW of Davis Point	30-07-04(07)	85-41-31(52)	14107.2	46986.0	30	9.1					08/10/88

Appendix 1 C cont'd.

					total PCBs					p,p'-DDD					p,p'-DDE	
		wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	% mst	ppb	ppb	0-22.7	22.8-180	>180	ppb	ppb	none	none	none	ppb	ppb	0-2.2	2.3-27	>27
46	82.5	nd	0	0			10	57				20	114			114
47	73.9	720	2759			2759	20	77				nd	0	0		
47	67.2	750	2287			2287	20	61				nd	0	0		
47	81.6	480	2609			2609	nd	0				nd	0	0		
48	71	nd	0	0			20	69				nd	0	0		
49	94.1	nd	0	0			nd	0				nd	0	0		
49	95.5	nd	0	0			nd	0				nd	0	0		
49	93.1	nd	0	0			nd	0				nd	0	0		
50	79.4	nd	0	0			nd	0				nd	0	0		
51	71.6	nd	0	0			nd	0				nd	0	0		
52	48.2	nd	0	0			nd	0				nd	0	0		
53	76.8	nd	0	0			nd	0				nd	0	0		
54	76.4	nd	0	0			nd	0				nd	0	0		
55	79.4	nd	0	0			nd	0				nd	0	0		
56	50.8	nd	0	0			nd	0				nd	0	0		
57	80	nd	0	0			nd	0				nd	0	0		
58	78	nd	0	0			nd	0				nd	0	0		
59	59.6	nd	0	0			nd	0				nd	0	0		
60	73.6	nd	0	0			nd	0				nd	0	0		
61	73.8	nd	0	0			nd	0				nd	0	0		
62	78.2	nd	0	0			nd	0				nd	0	0		
63	80.2	nd	0	0			nd	0				nd	0	0		
64	36.8	nd	0	0			nd	0				nd	0	0		
65	79.8	nd	0	0			nd	0				nd	0	0		
66	76	nd	0	0			50	208				10	42			42
67	86.8	nd	0	0			70	530				20	152			152
68	56.2	nd	0	0			20	46				10	23		23	
69	73.2	nd	0	0			nd	0				nd	0	0		
70	75.8	nd	0	0			nd	0				nd	0	0		
71	59.8	nd	0	0			nd	0				nd	0	0		
72	63.4	nd	0	0			nd	0				nd	0	0		
73	47.8	nd	0	0			nd	0				nd	0	0		

Appendix 1C con'td.

	p,p'-DDT					o,p'-DDD					o,p'-DDE				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	none	none	none
46	nd	0				nd	0				nd	0			
47	nd	0				nd	0				nd	0			
47	nd	0				nd	0				nd	0			
47	nd	0				nd	0				nd	0			
48	nd	0				nd	0				nd	0			
49	nd	0				nd	0				nd	0			
49	nd	0				nd	0				nd	0			
49	nd	0				nd	0				nd	0			
50	nd	0				nd	0				nd	0			
51	nd	0				nd	0				nd	0			
52	nd	0				nd	0				nd	0			
53	nd	0				nd	0				nd	0			
54	nd	0				nd	0				nd	0			
55	nd	0				nd	0				nd	0			
56	nd	0				nd	0				nd	0			
57	nd	0				nd	0				nd	0			
58	nd	0				nd	0				nd	0			
59	nd	0				nd	0				nd	0			
60	nd	0				nd	0				nd	0			
61	nd	0				nd	0				nd	0			
62	nd	0				nd	0				nd	0			
63	nd	0				nd	0				nd	0			
64	nd	0				nd	0				nd	0			
65	nd	0				nd	0				nd	0			
66	20	83				nd	0				nd	0			
67	nd	0				nd	0				nd	0			
68	nd	0				nd	0				nd	0			
69	nd	0				nd	0				nd	0			
70	nd	0				nd	0				nd	0			
71	nd	0				nd	0				nd	0			
72	nd	0				nd	0				nd	0			
73	nd	0				nd	0				nd	0			

Appendix 1 C cont'd.

	o,p'-DDT					total DDT					Dieldrin				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	0-1.58	1.58-46.1	>46.1	ppb	ppb	none	none	none
46	nd	0				30	171			171	nd	0			
47	nd	0				20	77			77	nd	0			
47	nd	0				20	61			61	nd	0			
47	nd	0				0	0	0			nd	0			
48	nd	0				20	69			69	nd	0			
49	nd	0				0	0	0			nd	0			
49	nd	0				0	0	0			nd	0			
49	nd	0				0	0	0			nd	0			
50	nd	0				0	0	0			nd	0			
51	nd	0				0	0	0			nd	0			
52	nd	0				0	0	0			nd	0			
53	nd	0				0	0	0			nd	0			
54	nd	0				0	0	0			nd	0			
55	nd	0				0	0	0			nd	0			
56	nd	0				0	0	0			nd	0			
57	nd	0				0	0	0			nd	0			
58	nd	0				0	0	0			nd	0			
59	nd	0				0	0	0			nd	0			
60	nd	0				0	0	0			nd	0			
61	nd	0				0	0	0			nd	0			
62	nd	0				0	0	0			nd	0			
63	nd	0				0	0	0			nd	0			
64	nd	0				0	0	0			nd	0			
65	nd	0				0	0	0			nd	0			
66	nd	0				80	333			333	nd	0			
67	nd	0				90	682			682	nd	0			
68	nd	0				30	68			68	nd	0			
69	nd	0				0	0	0			nd	0			
70	nd	0				0	0	0			nd	0			
71	nd	0				0	0	0			nd	0			
72	nd	0				0	0	0			nd	0			
73	nd	0				0	0	0			nd	0			

Appendix 1 C cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	OC Sample Date
74	B6-A	SAB, E of qk fl G 17ft "3"	30-09-01(01)	85-41-11(19)	14118.5	47002.1	37	11.3		26.49	54.53	18.98	08/11/88
75	B6-B	SAB, NW of Redfish Pt.	30-08-50(83)	85-40-46(77)	14121.0	46999.6	38	11.6		5.42	83.22	11.36	08/11/88
76	B6-C	SAB, NNW of Redfish Pt.	30-08-41(68)	85-40-09(15)	14125.1	46997.0	36	11.0					08/11/88
77	C2-A	SAB, E of St. Andrew Marina	30-10-06(10)	85-42-30(50)	14113.0	47014.0	29	8.8		2.43	69.89	27.67	08/11/88
78	C2-B	SAB, N or Courtney Pt.	30-09-19(31)	85-42-38(64)	14108.5	47007.7	29	8.8		2.29	29.65	68.07	08/11/88
79	C3-A	SAB, SW of Lake Huntington	30-10-22(37)	85-42-38(63)	14113.3	47016.7	23	7.0		4.64	59.95	35.41	08/15/88
80	C3-B	SAB, NE of bl C "13" nav mkr	30-10-04(07)	85-43-00(00)	14109.0	47014.8	40	12.2					08/15/88
81	D3-A	SAB 2000yd WNW TAFB Ycht Clb	30-05-58(97)	85-39-54(90)	14114.6	46972.9	29	8.8					08/15/88
82	D3-B	SAB NNE of Spanish Shanty Pt	30-06-31(52)	85-41-23(39)	14105.7	46981.0	32	9.8					08/15/88
83	E1-A	E. Bay, NE of QG 17ft "43"	30-06-29(49)	85-33-01(02)	14167.9	46972.2	20	6.1		0.06	44.62	55.32	08/18/88
84	E2-A	E. Bay, NE of QG 17ft "45"	30-06-22(37)	85-34-47(78)	14154.6	46963.7	33	10.1					08/18/88
85	E2-B	E. Bay, E of QG 17ft "45"	30-06-10(16)	85-34-35(58)	14154.9	46961.4	22	6.7		0.99	40	59.01	08/18/88
86	E3-A	E. Bay, N of QG 17ft "45"	30-06-24(40)	85-35-14(24)	14151.4	46965.3	34	10.4		18.38	36.85	44.77	08/18/88
87	E5-A	E. Bay, SE of Dupont Bridge	30-05-49(82)	85-36-05(08)	14142.5	46952.3	28	8.5		16.85	47.2	35.96	08/19/88
88	SC1-PO	SAB, S of paper mill	30-08-06(10)	85-37-05(09)	14145.7	46985.0	14	4.3					09/06/88
89	SC2-PO	SAB, S of paper mill	30-08-06(10)	85-37-16(27)	14144.3	46985.4	14	4.3		58.01	30.25	11.74	09/06/88
90	SC3-PO	SAB, S of paper mill	30-08-02(04)	85-37-29(48)	14142.5	46985.3	38	11.6		16.7	45.01	38.29	09/07/88
91	SC4-PO	SAB, S of paper mill	30-08-14(24)	85-37-29(49)	14143.4	46987.1	24	7.3					09/07/88
92	SC5-PO	SAB, S of paper mill	31-08-02(04)	85-37-08(14)	14145.1	46984.4	17	5.2					09/07/88
93	SC6-PO	SAB, S of paper mill	30-08-13(22)	85-37-35(59)	14142.5	46987.2	33	10.1		52.57	30.25	17.18	09/08/88
94	SC7-PO	SAB, S of paper mill	30-08-07(12)	85-37-43(71)	14141.2	46986.6	28	8.5		48.31	34.77	16.92	09/08/88
95	ML2-PO	Martin Lk E of hwy 98 bridge	30-08-10(17)	85-36-44(73)	14148.7	46984.7	9	2.7					08/17/88
96	NwB-1	N. Bay, Newman Bayou middle	30-16-20(34)	85-40-24(40)	14158.0	47063.6	4.5	1.4					09/13/88
97	none	East Bay, E. of Long Point	30-06-29(49)	85-35-14(23)	14151.9	46966.1	29	8.8	5.95	2	39.5	58.5	08/04/97
98	LKH	SAB, Lake Huntington middle	30-10-39(65)	85-42-16(26)	14117.5	47018.4	8	2.4		31.74	53.88	14.39	09/08/88
99	MB-1	SAB, Massalina Bayou upper	30-09-24(40)	85-39-23(39)	14134.4	47001.6	4.5	1.4					08/11/88
100	MB-2	SAB, Massalina Bayou middle	30-09-14(24)	85-39-20(34)	14133.9	47000.1	7	2.1					08/11/88
101	RB-1	N. Bay Robinson Bayou middle	30-12-41(69)	85-41-38(64)	14131.6	47034.6	5.5	1.7					08/17/88
102	RB-2	N. Bay Robinson Bayou middle	30-12-44(74)	85-41-44(73)	14131.1	47035.2	6	1.8					08/17/88
103	NvL-1	SAB, outer end, Navy channel	30-10-28(47)	85-44-37(61)	14097.9	47021.4	21	6.4		70.24	14.26	15.5	09/13/88

Appendix 1 C cont'd.

					total PCBs					p,p'-DDD					p,p'-DDE	
		wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	% mst	ppb	ppb	0-22.7	22.8-180	>180	ppb	ppb	none	none	none	ppb	ppb	0-2.2	2.3-27	>27
74	53	nd	0	0			nd	0				nd	0	0		
75	75.2	nd	0	0			nd	0				nd	0	0		
76	81.4	nd	0	0			nd	0				nd	0	0		
77	77.4	nd	0	0			nd	0				nd	0	0		
78	77.2	nd	0	0			nd	0				nd	0	0		
79	76.8	nd	0	0			nd	0				nd	0	0		
80	53.4	nd	0	0			nd	0				nd	0	0		
81	83.6	nd	0	0			nd	0				nd	0	0		
82	76.4	nd	0	0			nd	0				nd	0	0		
83	80.4	nd	0	0			nd	0				nd	0	0		
84	80.4	nd	0	0			nd	0				nd	0	0		
85	66	nd	0	0			nd	0				nd	0	0		
86	74.8	nd	0	0			nd	0				nd	0	0		
87	79.4	nd	0	0			nd	0				nd	0	0		
88	78.2	nd	0	0			nd	0				nd	0	0		
89	64.4	270	758			758	nd	0				30	84			84
90	80.6	nd	0	0			nd	0				nd	0	0		
91	84.4	nd	0	0			nd	0				nd	0	0		
92	74.4	190	742			742	nd	0				nd	0	0		
93	75.2	nd	0	0			nd	0				nd	0	0		
94	65.4	nd	0	0			nd	0				nd	0	0		
95	96.8	nd	0	0			nd	0				nd	0	0		
96	73.6	nd	0	0			nd	0				10	38			38
97																
98	71.4	nd	0	0			30	105				30	105			105
99	69.8	nd	0	0			40	132				30	99			99
100	76.4	nd	0	0			20	85				30	127			127
101	73.2	nd	0	0			10	37				10	37			37
102	72.2	nd	0	0			20	72				10	36			36
103	48.8	nd	0	0			nd	0				nd	0	0		

Appendix 1C con'td.

	p,p'-DDT					o,p'-DDD					o,p'-DDE				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	none	none	none
74	nd	0				nd	0				nd	0			
75	nd	0				nd	0				nd	0			
76	nd	0				nd	0				nd	0			
77	20	88				nd	0				nd	0			
78	nd	0				nd	0				nd	0			
79	nd	0				nd	0				nd	0			
80	nd	0				nd	0				nd	0			
81	nd	0				nd	0				nd	0			
82	nd	0				nd	0				nd	0			
83	nd	0				nd	0				nd	0			
84	nd	0				nd	0				nd	0			
85	nd	0				nd	0				nd	0			
86	nd	0				nd	0				nd	0			
87	nd	0				nd	0				nd	0			
88	nd	0				nd	0				nd	0			
89	nd	0				nd	0				nd	0			
90	nd	0				nd	0				nd	0			
91	nd	0				nd	0				nd	0			
92	nd	0				nd	0				nd	0			
93	nd	0				nd	0				nd	0			
94	nd	0				nd	0				nd	0			
95	nd	0				nd	0				nd	0			
96	nd	0				nd	0				nd	0			
97															
98	nd	0				nd	0				nd	0			
99	nd	0				nd	0				nd	0			
100	nd	0				nd	0				nd	0			
101	nd	0				nd	0				nd	0			
102	20	72				nd	0				nd	0			
103	nd	0				nd	0				nd	0			

Appendix 1 C cont'd.

	o,p'-DDT					total DDT					Dieldrin				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	0-1.58	1.58-46.1	>46.1	ppb	ppb	none	none	none
74	nd	0				0	0	0			nd	0			
75	nd	0				0	0	0			nd	0			
76	nd	0				0	0	0			nd	0			
77	nd	0				20	88			88	nd	0			
78	nd	0				0	0	0			nd	0			
79	nd	0				0	0	0			nd	0			
80	nd	0				0	0	0			nd	0			
81	nd	0				0	0	0			nd	0			
82	nd	0				0	0	0			nd	0			
83	nd	0				0	0	0			nd	0			
84	nd	0				0	0	0			nd	0			
85	nd	0				0	0	0			nd	0			
86	nd	0				0	0	0			nd	0			
87	nd	0				0	0	0			nd	0			
88	nd	0				0	0	0			nd	0			
89	nd	0				30	84			84	nd	0			
90	nd	0				0	0	0			nd	0			
91	nd	0				0	0	0			nd	0			
92	nd	0				0	0	0			nd	0			
93	nd	0				0	0	0			nd	0			
94	nd	0				0	0	0			nd	0			
95	nd	0				0	0	0			nd	0			
96	nd	0				10	38			38	nd	0			
97															
98	nd	0				60	210			210	nd	0			
99	nd	0				70	232			232	nd	0			
100	nd	0				50	212			212	nd	0			
101	nd	0				20	75			75	nd	0			
102	nd	0				50	180			180	nd	0			
103	nd	0				0	0	0			nd	0			

Appendix 1 C cont'd.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	OC Sample Date
104	LCN1	Lk Caroline/up pond/S third	30-10-12(20)	85-40-19(31)			4	1.2					08/05/94
104	LCN2	Lk Caroline/up pond/md third	30-10-12(20)	85-40-19(31)			4	1.2					08/05/94
104	LCN3	Lk Caroline/up pond/N third	30-10-12(20)	85-40-19(31)			4	1.2					08/05/94
104	LCM1	Lk Caroline/md pond/N third	30-09-30(50)	85-40-20(33)			3	0.9					08/05/94
104	LCM2	Lk Caroline/md pond/md third	30-09-30(50)	85-40-20(33)			3	0.9					08/05/94
104	LCM3	Lk Caroline/md pond/S third	30-09-30(50)	85-40-20(33)			3	0.9					08/05/94
104	LCS1	Lk Caroline/S bayou/N third	30-09-24(40)	85-40-19(32)			2	0.6					08/05/94
104	LCS2	Lk Caroline/S bayou/md third	30-09-24(40)	85-40-19(32)			2	0.6					08/05/94
104	LCS3	Lk Caroline/S bayou/S third	30-09-24(40)	85-40-19(32)			2	0.6					08/05/94
105	none	West Bay, E. of Long Point	30-13-47(78)	85-44-08(13)	14116.4	47048.4	24	7.3	4.83	1	24.2	74.8	08/04/97

Appendix 1 C cont'd.

					total PCBs					p,p'-DDD					p,p'-DDE	
		wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	% mst	ppb	ppb	0-22.7	22.8-180	>180	ppb	ppb	none	none	none	ppb	ppb	0-2.2	2.3-27	>27
104	68.3		0				nd	0				39.8	126			126
104	82.7		0				nd	0				54.7	316			316
104	48.1		0				nd	0				44.6	86			86
104	75		0				nd	0				27	108		27	108
104	84.5		0				nd	0				63.2	408			408
104	65.6		0				nd	0				109.2	317			317
104	75.4		0				nd	0				115.2	468			468
104	75.7		0				nd	0				186.4	767			767
104	70.2		0				nd	0				1182.3	3967			3967
105			0					0					0			

Appendix 1C con'td.

	p,p'-DDT					o,p'-DDD					o,p'-DDE				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	none	none	none	ppb	ppb	none	none	none
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
104	nd	0				nd	0				nd	0			
105		0					0					0			

Appendix 1 C cont'd.

	o,p'-DDT					total DDT					Dieldrin				
	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM	wet wgt	dry wgt	ERL	ERL-M	ERM
Stat. #	ppb	ppb	none	none	none	ppb	ppb	0-1.58	1.58-46.1	>46.1	ppb	ppb	none	none	none
104	nd	0				39.8	126			126	nd	0			
104	nd	0				54.7	316			316	nd	0			
104	nd	0				44.6	86			86	nd	0			
104	nd	0				27	108			108	nd	0			
104	nd	0				63.2	408			408	nd	0			
104	nd	0				109.2	317			317	nd	0			
104	nd	0				115.2	468			468	nd	0			
104	nd	0				186.4	767			767	nd	0			
104	nd	0				1182.3	3967			3967	nd	0			
105		0				0	0					0			

Appendix 1D. Aliphatic Hydrocarbon (AH) Sediment Data Base for St. Andrew Bay.
Note: At the time of this printing (April, 1998) no sediment quality guidelines exist for AH compounds.

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	Aliphatics Sample Date
1	SABS-1	So. of Panama City Marina	38-08-03(05)	85-40-02(03)				0.0					08/27/85
2	SABS-2	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/27/85
2	MB-3	SAB, Massalina Bayou lower	30-09-23(38)	85-39-22(37)				0.0					08/15/88
3	SABS-3	Pearl Bayou	30-06-05(08)	85-37-20(34)				0.0					08/27/85
4	SABS-4	Freshwater Bayou	30-07-11(19)	85-39-03(05)				0.0					08/27/85
5	SABS-5	"15" quick flash nav. light	30-08-37(62)	85-41-15(25)				0.0					08/27/85
6	SABS-6	N of ctr of Shell Island	30-05-53(88)	85-41-03(05)				0.0					08/27/85
7	SABS-7	upper Grand Lagoon	30-09-14(24)	85-45-38(63)				0.0					08/28/85
8	SABS-8	Treasure Ship Marina	30-08-34(57)	85-44-54(90)				0.0					08/28/85
9	SABS-9	Captain Anderson's Marina	30-08-52(87)	85-44-52(87)				0.0					08/28/85
10	SABS-10	lower Grand Lagoon channel	30-08-31(52)	85-44-14(23)				0.0					08/28/85
11	SABS-11	black can "5" nav. marker	30-08-22(37)	85-41-54(90)				0.0					08/28/85
12	SABS-12	St. Andrew Marina	30-10-05(08)	85-42-14(23)				0.0					08/28/85
13	SABS-13	Port Panama City, south	30-10-32(54)	85-43-56(93)				0.0					08/28/85
13	PCPT-So	Port Panama City, South	30-10-32(54)	85-43-56(93)				0.0					none
14	SABS-14	Port Panama City, west	30-10-41(68)	85-44-03(05)				0.0					08/29/85
15	SABS-15	Alligator Bayou (Navy Lab)	30-10-21(35)	85-45-29(48)				0.0					08/29/85
16	SABS-16	Bay Point Marina	30-08-35	85-43-50				0.0					08/29/85
17	SABE-1	E. Bay, Callaway Bayou	30-08-11	85-34-08				0.0					08/29/85
18	SABE-2	E. Bay, Eastern Marine	30-01-47	85-28-36				0.0					08/29/85
19	SABE-3	E. Bay, qk fl "43" nav. lt.	30-08-16	85-33-23				0.0					08/29/85
20	SABE-4	E. Bay, Little Cedar Bayou	30-04-53	85-33-26				0.0					08/29/85
21	SABE-5	E. Bay, Shoal Point Bayou	30-05-14	85-35-11				0.0					08/29/85
22	SABN-1	N. Bay, Robinson Bayou	30-12-33	85-41-52				0.0					09/04/85
23	SABN-2	N. Bay, Goose Bayou	30-13-16	85-41-00				0.0					09/04/85
24	SABN-3	N. Bay, Upper Goose Bayou	30-14-05	85-40-14				0.0					09/04/85
25	SABN-4	N. Bay, Lynn Haven Bayou	30-14-58	85-39-52				0.0					09/04/85
26	SABN-5	N. Bay, Beatty Bayou	30-14-57	85-37-19				0.0					09/04/85
27	SABN-6	N. Bay, Fanning Bayou	30-16-26	85-39-10				0.0					09/04/85
28	SABN-7	N. Bay, fl rd "6" nav. lt.	30-15-03	85-41-02				0.0					09/04/85
29	SABN-8	N. Bay, so. of West Bay Pt.	30-13-15	85-43-21				0.0					09/04/85
30	SABN-9	N. Bay, Alligator Bayou	30-15-41	85-41-57				0.0					09/04/85
31	SABN-10	N. Bay, Mud Bayou	30-14-19	85-42-46				0.0					09/05/85

Appendix 1 D cont'd

Stat. #	% mst	n dodecane wet wgt ppb	dry wgt ppb	n tridecane wet wgt ppb	dry wgt ppb	n tetradecane wet wgt ppb	dry wgt ppb	octyl cyclohexane wet wgt ppb	dry wgt ppb	n pentadecane wet wgt ppb	dry wgt ppb	nonyl cyclohexane wet wgt ppb	dry wgt ppb
1	61.2	nd	0	nd	0	nd	0	nd	0	40	103	nd	0
2	50.0	nd	0	nd	0	nd	0	nd	0	nd	0	20	40
2	64.2		0		0	nd	0	nd	0		0		0
3	32.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
4	60.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
5	67.0	nd	0	nd	0	nd	0	nd	0	40	121	nd	0
6	72.1	nd	0	nd	0	nd	0	nd	0	20	72	nd	0
7	40.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
8	80.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
9	31.0	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
10	24.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
11	70.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
12	28.0	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
13	63.2	nd	0	nd	0	nd	0	nd	0	40	109	nd	0
13													
14	83.0	nd	0	nd	0	nd	0	nd	0	70	412	nd	0
15	37.1	nd	0	nd	0	30	48	30	48	nd	0	80	127
16	50.2	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
17	58.0	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
18	38.2	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
19	74.0	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
20	40.6	nd	0	nd	0	0	0	nd	0	nd	0	20	34
21	52.4	nd	0	nd	0	30	63	20	42	20	42	50	105
22	52.6	nd	0	nd	0	30	63	20	42	70	148	60	127
23	54.2	nd	0	nd	0	0	0	nd	0	20	44	nd	0
24	32.2	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
25	36.8	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
26	66.0	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
27	46.6	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
28	72.8	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
29	80.2	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
30	40.2	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
31	44.4	nd	0	nd	0	0	0	nd	0	nd	0	nd	0

Appendix 1 D cont'd

Stat. #	% mst	n hexadecane wet wgt ppb	dry wgt ppb	n heptadecane wet wgt ppb	dry wgt ppb	pristane wet wgt ppb	dry wgt ppb	n octadecane wet wgt ppb	dry wgt ppb	phytane wet wgt ppb	dry wgt ppb	n nonadecane wet wgt ppb	dry wgt ppb
1	61.2	nd	0	230	593	60	155	30	77	50	129	40	103
2	50.0	nd	0	110	220	30	60	nd	0	30	60	nd	0
2	64.2		0		0		0		0		0		0
3	32.1	nd	0	170	250	nd	0	nd	0	nd	0	nd	0
4	60.1	nd	0	80	201	nd	0	nd	0	nd	0	nd	0
5	67.0	nd	0	130	394	20	61	30	91	nd	0	nd	0
6	72.1	nd	0	100	358	nd	0	nd	0	nd	0	nd	0
7	40.1	nd	0	100	167	nd	0	nd	0	nd	0	nd	0
8	80.1	nd	0	210	1055	30	151	nd	0	30	151	nd	0
9	31.0	nd	0	50	72	20	29	nd	0	nd	0	nd	0
10	24.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
11	70.1	nd	0	70	234	nd	0	nd	0	nd	0	nd	0
12	28.0	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
13	63.2	nd	0	260	707	80	217	20	54	30	82	40	109
13													
14	83.0	nd	0	160	941	50	294	nd	0	20	118	nd	0
15	37.1	20	32	120	191	90	143	nd	0	70	111	30	48
16	50.2	nd	0	nd	0	nd	0	nd	0	nd	0	20	40
17	58.0	nd	0	40	95	nd	0	nd	0	nd	0	nd	0
18	38.2	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
19	74.0	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
20	40.6	nd	0	220	370	nd	0	nd	0	nd	0	20	34
21	52.4	nd	0	260	546	50	105	nd	0	30	63	nd	0
22	52.6	90	190	220	464	230	485	150	316	160	338	70	148
23	54.2	nd	0	180	393	nd	0	nd	0	nd	0	nd	0
24	32.2	nd	0	20	29	nd	0	nd	0	nd	0	nd	0
25	36.8	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
26	66.0	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
27	46.6	nd	0	30	56	nd	0	nd	0	nd	0	20	37
28	72.8	nd	0	40	147	nd	0	nd	0	nd	0	nd	0
29	80.2	nd	0	120	606	20	101	nd	0	nd	0	nd	0
30	40.2	nd	0	30	50	20	33	nd	0	nd	0	nd	0
31	44.4	nd	0	70	126	nd	0	20	36	nd	0	nd	0

Appendix 1 D cont'd

Stat. #	% mst	n eicosane wet wgt ppb	dry wgt ppb	Total AH wet wgt ppb	dry wgt ppb
1	61.2	90	232	540	1392
2	50.0	30	60	220	440
2	64.2		0	0	0
3	32.1	nd	0	170	250
4	60.1	20	50	100	251
5	67.0	30	91	250	758
6	72.1	nd	0	120	430
7	40.1	nd	0	100	167
8	80.1	nd	0	270	1357
9	31.0	nd	0	70	101
10	24.1	nd	0	0	0
11	70.1	nd	0	70	234
12	28.0	nd	0	0	0
13	63.2	40	109	510	1386
13					
14	83.0	nd	0	300	1765
15	37.1	nd	0	470	747
16	50.2	40	80	60	120
17	58.0	nd	0	40	95
18	38.2	nd	0	0	0
19	74.0	nd	0	0	0
20	40.6	nd	0	260	438
21	52.4	nd	0	460	966
22	52.6	60	127	1160	2447
23	54.2	nd	0	200	437
24	32.2	nd	0	20	29
25	36.8	nd	0	0	0
26	66.0	nd	0	0	0
27	46.6	nd	0	50	94
28	72.8	nd	0	40	147
29	80.2	nd	0	140	707
30	40.2	nd	0	50	84
31	44.4	nd	0	90	162

Appendix 1 D cont'd

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	Aliphatics Sample Date
32	SABN-11	N. Bay, below Deer Pt. Dam	30-16-00	85-36-26				0.0					09/05/85
33	SABN-12	N. Bay, Poston Bayou	30-11-14	85-43-00				0.0					09/05/85
34	SABW-1	W. Bay, Warren Bayou	30-16-38	85-44-14				0.0					09/05/85
35	SABW-2	W. Bay, bl C "3" nav. mark.	30-15-37	85-47-00				0.0					09/05/85
36	SABW-3	W. Bay, Burnt Mill Creek	30-18-17	85-45-38				0.0					09/05/85
37	SABW-4	W. Bay, Botheration Bayou	30-15-32	85-49-36				0.0					09/05/85
38	WB-1A	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
38	WB-1B	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
38	WB-1C	Watson Bayou, Lake Van Vac	30-08-31(52)	85-38-27(45)	14137.4	46991.8	9	2.7					07/23/85
39	WB-2A	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
39	WB-2B	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
39	WB-2C	Watson Bayou, u. Long Cove	30-08-35(58)	85-37-22(37)	14145.9	46989.9	5	1.5					07/23/85
40	WB-3A	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
40	WB-3B	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
40	WB-3C	Watson Bayou, l. Long Cove	30-08-26(43)	85-37-41(68)	14142.7	46989.2	13	4.0					07/23/85
41	WB-4A	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
41	WB-4B	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
41	WB-4C	Watson Bayou, E. Mar. Const.	30-08-29(48)	85-37-50(83)	14141.9	46990.0	16	4.9					07/23/85
42	WB-5A	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
42	WB-5B	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
42	WB-5C	Watson Bayou, E. Mar. Repair	30-08-50(83)	85-37-57(95)	14142.7	46993.4	11	3.4					07/23/85
43	WB-6A	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
43	WB-6B	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
43	WB-6C	Watson Bayou, Bay Mar.& Ship	30-08-53(88)	85-37-43(71)	14144.7	46993.3	10	3.0					07/23/85
44	WB-7A	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
44	WB-7B	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
44	WB-7C	Watson Bayou, Hill Petroleum	30-08-58(96)	85-38-07(12)	14142.0	46995.0	18	5.5					07/23/85
45	WB-8A	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
45	WB-8B	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
45	WB-8C	Watson Bayou, P.C. STP	85-38-20(33)	30-09-05(09)	14140.9	46996.5	12	3.7					07/23/85
46	WB-9A	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85
46	WB-9B	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85

Appendix 1 D cont'd

Stat. #	% mst	n dodecane wet wgt ppb	dry wgt ppb	n tridecane wet wgt ppb	dry wgt ppb	n tetradecane wet wgt ppb	dry wgt ppb	octyl cyclohexane wet wgt ppb	dry wgt ppb	n pentadecane wet wgt ppb	dry wgt ppb	nonyl cyclohexane wet wgt ppb	dry wgt ppb
32	84.6	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
33	62.6	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
34	36.0	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
35	74.2	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
36	40.4	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
37	30.6	nd	0	nd	0	0	0	nd	0	nd	0	nd	0
38	58.4	nd	0	nd	0	30	72	5	12	5	12	nd	0
38	88.6	nd	0	nd	0	40	351	5	44	20	175	nd	0
38	73.2	nd	0	nd	0	30	112	20	75	30	112	nd	0
39	86.1	60	432	50	360	80	576	20	144	100	719	50	360
39	92.4	50	658	40	526	100	1316	120	1579	210	2763	5	66
39	88.0	40	333	50	417	70	583	20	167	120	1000	5	42
40	73.4	nd	0	30	113	50	188	nd	0	80	301	20	75
40	76.0	nd	0	nd	0	40	167	nd	0	70	292	5	21
40	60.1	nd	0	nd	0	30	75	nd	0	40	100	5	13
41	58.9	nd	0	nd	0	5	12	nd	0	5	12	nd	0
41	86.1	nd	0	nd	0	30	216	nd	0	5	36	nd	0
41	82.8	nd	0	nd	0	30	174	nd	0	20	116	nd	0
42	72.1	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
42	69.2	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
42	71.0	nd	0	nd	0	nd	0	nd	0	nd	0	nd	0
43	67.1	nd	0	nd	0	10	30	nd	0	20	61	5	15
43	75.1	nd	0	nd	0	20	80	nd	0	30	120	30	120
43	78.4	nd	0	nd	0	30	139	nd	0	40	185	50	231
44	68.2	nd	0	nd	0	5	16	nd	0	nd	0	nd	0
44	72.8	nd	0	nd	0	20	74	nd	0	nd	0	nd	0
44	69.8	nd	0	nd	0	20	66	nd	0	nd	0	nd	0
45	82.9	nd	0	nd	0	10	58	nd	0	10	58	nd	0
45	70.9	nd	0	nd	0	5	17	nd	0	5	17	nd	0
45	87.5	nd	0	nd	0	20	160	nd	0	5	40	nd	0
46	88.2	nd	0	nd	0	5	42	nd	0	nd	0	5	42
46	79.8	nd	0	nd	0	5	25	nd	0	nd	0	5	25

Appendix 1 D cont'd

Stat. #	% mst	n hexadecane wet wgt ppb	dry wgt ppb	n heptadecane wet wgt ppb	dry wgt ppb	pristane wet wgt ppb	dry wgt ppb	n octadecane wet wgt ppb	dry wgt ppb	phytane wet wgt ppb	dry wgt ppb	n nonadecane wet wgt ppb	dry wgt ppb
32	84.6	nd	0	40	260	nd	0	20	130	nd	0	30	195
33	62.6	nd	0	130	348	nd	0	nd	0	nd	0	nd	0
34	36.0	nd	0	20	31	nd	0	nd	0	nd	0	nd	0
35	74.2	nd	0	40	155	nd	0	20	78	nd	0	30	116
36	40.4	nd	0	30	50	nd	0	nd	0	nd	0	nd	0
37	30.6	nd	0	20	29	nd	0	nd	0	nd	0	nd	0
38	58.4	5	12	200	481	5	12	30	72	5	12	nd	0
38	88.6	5	44	380	3333	80	702	5	44	70	614	nd	0
38	73.2	20	75	420	1567	5	19	5	19	5	19	nd	0
39	86.1	40	288	200	1439	170	1223	50	360	140	1007	50	360
39	92.4	140	1842	330	4342	480	6316	110	1447	300	3947	5	66
39	88.0	50	417	280	2333	190	1583	5	42	110	917	5	42
40	73.4	40	150	470	1767	200	752	nd	0	140	526	nd	0
40	76.0	30	125	440	1833	170	708	nd	0	140	583	nd	0
40	60.1	5	13	290	727	120	301	nd	0	90	226	nd	0
41	58.9	5	12	5	12	5	12	nd	0	5	12	nd	0
41	86.1	5	36	250	1799	90	647	nd	0	70	504	nd	0
41	82.8	20	116	320	1860	120	698	nd	0	100	581	nd	0
42	72.1	nd	0	90	323	30	108	nd	0	30	108	nd	0
42	69.2	nd	0	20	65	5	16	nd	0	30	97	nd	0
42	71.0	nd	0	5	17	5	17	nd	0	60	207	nd	0
43	67.1	nd	0	190	578	60	182	nd	0	90	274	nd	0
43	75.1	nd	0	270	1084	5	20	nd	0	120	482	nd	0
43	78.4	nd	0	240	1111	5	23	nd	0	110	509	nd	0
44	68.2	5	16	30	94	5	16	nd	0	30	94	nd	0
44	72.8	30	110	170	625	100	368	nd	0	110	404	nd	0
44	69.8	5	17	90	298	5	17	nd	0	50	166	nd	0
45	82.9	nd	0	140	819	5	29	nd	0	90	526	nd	0
45	70.9	nd	0	80	275	5	17	nd	0	5	17	nd	0
45	87.5	nd	0	200	1600	120	960	nd	0	150	1200	nd	0
46	88.2	nd	0	40	339	5	42	nd	0	5	42	nd	0
46	79.8	nd	0	100	495	30	149	nd	0	5	25	nd	0

Appendix 1 D cont'd

Stat. #	% mst	n eicosane wet wgt ppb	dry wgt ppb	Total AH wet wgt ppb	dry wgt ppb
32	84.6	20	130	110	714
33	62.6	nd	0	130	348
34	36.0	nd	0	20	31
35	74.2	30	116	120	465
36	40.4	nd	0	30	50
37	30.6	nd	0	20	29
38	58.4	nd	0	285	685
38	88.6	nd	0	605	5307
38	73.2	nd	0	535	1996
39	86.1	nd	0	1010	7266
39	92.4	nd	0	1890	24868
39	88.0	nd	0	945	7875
40	73.4	nd	0	1030	3872
40	76.0	nd	0	895	3729
40	60.1	nd	0	580	1454
41	58.9	nd	0	30	73
41	86.1	nd	0	450	3237
41	82.8	nd	0	610	3547
42	72.1	nd	0	150	538
42	69.2	nd	0	55	179
42	71.0	nd	0	70	241
43	67.1	nd	0	375	1140
43	75.1	nd	0	475	1908
43	78.4	nd	0	475	2199
44	68.2	nd	0	75	236
44	72.8	nd	0	430	1581
44	69.8	nd	0	170	563
45	82.9	nd	0	255	1491
45	70.9	nd	0	100	344
45	87.5	nd	0	495	3960
46	88.2	nd	0	60	508
46	79.8	nd	0	145	718

Appendix 1 D cont'd

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	Aliphatics Sample Date
46	WB-9C	Watson Bayou, N. of Hwy 98	30-09-36(60)	85-38-38(63)	14141.1	47001.7	4	1.2					07/23/85
47	WB-10A	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
47	WB-10B	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
47	WB-10C	SAB, south of paper mill	30-08-05(08)	85-37-11(18)	14144.9	46985.0	16	4.9					07/23/85
48	WB-11	Watson B, 100 yds N of mouth	30-08-25(42)	85-38-05(08)	14139.6	46990.1	22	6.7					none
49	ML-1A	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
49	ML-1B	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
49	ML-1C	Martin Lake, S of Cherry St.	30-08-38(64)	85-36-28(46)	14152.9	46988.2	8	2.4					08/02/85
50	A2-A	SAB, SW of Donaldson Pt.	30-06-52(87)	85-36-43(72)	14142.7	46973.2	31	9.4		1.97	67.65	30.38	none
51	A2-B	SAB, SW of Donaldson Pt.	30-06-49(81)	85-37-01(01)	14140.3	46973.4	26	7.9		6.22	34.6	59.18	none
52	A5-A	SAB, NW of Military Pt.	30-07-35(75)	85-37-35(58)	14140.4	46983.0	32	9.8		66.45	28.54	5.01	none
53	A6-A	SAB, NW of Military Pt.	30-07-41(68)	85-37-50(84)	14138.1	46983.0	32	9.8		2.13	70.41	27.46	none
54	A6-B	SAB, NW of Military Pt.	30-07-32(53)	85-37-50(84)	14137.4	46981.7	30	9.1		19.22	57.71	23.07	none
55	A9-A	SAB, SE of Town Pt,	30-07-54(54)	85-38-22(36)	14135.2	46986.2	24	7.3		4.76	46.78	48.46	none
56	A9-B	SAB, SE of Town Pt.	30-07-44(73)	85-38-19(32)	14134.7	46984.6	38	11.6		37.27	49.65	13.09	none
57	A9-C	SAB, SE of fl rd "24"	30-07-20(33)	85-38-22(36)	14132.6	46981.2	26	7.9		3.88	36.73	59.39	none
58	A10-A	SAB, SE of Town Pt.	30-07-55(91)	85-38-34(56)	14133.7	46986.7	25	7.6		1.9	72.94	25.15	none
59	A11-A	SAB, S of Town Pt.	30-07-38(64)	85-38-52(86)	14130.2	46985.1	24	7.3		72.01	17.98	10.01	none
60	A12-A	SAB, SW of Town Pt.	30-07-59(98)	85-39-16(59)	14128.7	46988.9	29	8.8					none
61	A12-B	SAB, SW of Town Pt.	30-07-50(84)	85-39-23(39)	14127.1	46988.0	24	7.3		3.61	37.84	58.55	none
62	A13-A	SAB, Bunkers Cove	30-08-29(48)	85-39-07(12)	14132.1	46993.0	22	6.7		1.13	72.53	26.35	none
63	A13-B	SAB, E of Redfish Pt.	30-08-32(54)	85-39-58(97)	14125.8	46995.4	33	10.1		0	67.46	32.54	none
64	A15-A	SAB, NE of Redfish Pt.	30-08-40(67)	85-39-46(77)	14128.0	46996.1	40	12.2		73.51	22.06	4.43	none
65	A15-B	SAB, E of Redfish Pt.	30-08-29(48)	85-39-53(89)	14126.2	46994.7	34	10.4		1.26	50.1	48.64	none
66	A15-C	SAB NNE of Smack Bayou mouth	30-08-02(04)	85-39-50(83)	14124.6	46990.7	19	5.8		28.77	28.31	42.93	none
67	A16-A	SAB, bayou SW of Military Pt	30-07-24(40)	85-37-30(50)	14139.4	46979.8	6.5	2.0		12.65	63.08	24.27	none
68	A17-A	inside mouth of Smack Bayou	30-07-49(82)	85-39-55(91)	14123.0	46989.0	14	4.3					none
69	B2-A	SAB, SE of qk fl "15" nav lt	30-08-26(44)	85-41-07(11)	14116.6	46997.0	38	11.6		3.47	72.01	24.52	none
70	B2-B	SAB, SE of qk fl "15" nav lt	30-08-23(39)	85-40-59(98)	14117.4	46996.3	36	11.0		0.95	61.76	37.29	none
71	B3-A	SAB, S of qk fl "15" nav. lt	30-08-17(28)	85-41-23(39)	14113.7	46996.2	38	11.6		53.67	26.93	19.41	none
72	B3-B	SAB, S of qk fl "15" nav. lt	30-08-05(09)	85-41-13(22)	14114.1	46994.2	34	10.4		32.21	39.97	27.82	none
73	B4-A	SAB, SW of Davis Point	30-07-04(07)	85-41-31(52)	14107.2	46986.0	30	9.1					none

Appendix 1 D cont'd

Stat. #	% mst	n dodecane wet wgt ppb	dry wgt ppb	n tridecane wet wgt ppb	dry wgt ppb	n tetradecane wet wgt ppb	dry wgt ppb	octyl cyclohexane wet wgt ppb	dry wgt ppb	n pentadecane wet wgt ppb	dry wgt ppb	nonyl cyclohexane wet wgt ppb	dry wgt ppb
46	82.5	nd	0	nd	0	10	57	nd	0	nd	0	20	114
47	73.9	130	498	110	421	170	651	100	383	110	421	160	613
47	67.2	340	1037	290	884	430	1311	410	1250	420	1280	360	1098
47	81.6	350	1902	180	978	340	1848	300	1630	350	1902	370	2011
48		NS	0	NS	0	NS	0	NS	0	NS	0	NS	0
49	94.1	370	6271	100	1695	300	5085	360	6102	300	5085	360	6102
49	95.5	350	7778	110	2444	330	7333	330	7333	340	7556	560	12444
49	93.1	40	580	20	290	50	725	30	435	60	870	160	2319
50			0		0		0		0		0		0
51			0		0		0		0		0		0
52			0		0		0		0		0		0
53			0		0		0		0		0		0
54			0		0		0		0		0		0
55			0		0		0		0		0		0
56			0		0		0		0		0		0
57			0		0		0		0		0		0
58			0		0		0		0		0		0
59			0		0		0		0		0		0
60			0		0		0		0		0		0
61			0		0		0		0		0		0
62			0		0		0		0		0		0
63			0		0		0		0		0		0
64			0		0		0		0		0		0
65			0		0		0		0		0		0
66			0		0		0		0		0		0
67			0		0		0		0		0		0
68			0		0		0		0		0		0
69			0		0		0		0		0		0
70			0		0		0		0		0		0
71			0		0		0		0		0		0
72			0		0		0		0		0		0
73			0		0		0		0		0		0

Appendix 1 D cont'd

Stat. #	% mst	n hexadecane wet wgt ppb	dry wgt ppb	n heptadecane wet wgt ppb	dry wgt ppb	pristane wet wgt ppb	dry wgt ppb	n octadecane wet wgt ppb	dry wgt ppb	phytane wet wgt ppb	dry wgt ppb	n nonadecane wet wgt ppb	dry wgt ppb
46	82.5	nd	0	80	457	30	171	nd	0	20	114	nd	0
47	73.9	60	230	120	460	340	1303	nd	0	130	498	nd	0
47	67.2	340	1037	290	884	790	2409	nd	0	620	1890	nd	0
47	81.6	170	924	370	2011	990	5380	nd	0	440	2391	nd	0
48		NS	0	NS	0	NS	0	NS	0	NS	0	NS	0
49	94.1	140	2373	650	11017	1500	25424	nd	0	390	6610	nd	0
49	95.5	130	2889	490	10889	1800	40000	nd	0	370	8222	nd	0
49	93.1	30	435	270	3913	390	5652	nd	0	180	2609	nd	0
50			0		0		0		0		0		0
51			0		0		0		0		0		0
52			0		0		0		0		0		0
53			0		0		0		0		0		0
54			0		0		0		0		0		0
55			0		0		0		0		0		0
56			0		0		0		0		0		0
57			0		0		0		0		0		0
58			0		0		0		0		0		0
59			0		0		0		0		0		0
60			0		0		0		0		0		0
61			0		0		0		0		0		0
62			0		0		0		0		0		0
63			0		0		0		0		0		0
64			0		0		0		0		0		0
65			0		0		0		0		0		0
66			0		0		0		0		0		0
67			0		0		0		0		0		0
68			0		0		0		0		0		0
69			0		0		0		0		0		0
70			0		0		0		0		0		0
71			0		0		0		0		0		0
72			0		0		0		0		0		0
73			0		0		0		0		0		0

Appendix 1 D cont'd

Stat. #	% mst	n eicosane wet wgt ppb	dry wgt ppb	Total AH wet wgt ppb	dry wgt ppb
46	82.5	nd	0	160	914
47	73.9	nd	0	1430	5479
47	67.2	nd	0	4290	13079
47	81.6	nd	0	3860	20978
48		NS	0	0	0
49	94.1	nd	0	4470	75763
49	95.5	nd	0	4810	106889
49	93.1	nd	0	1230	17826
50			0	0	0
51			0	0	0
52			0	0	0
53			0	0	0
54			0	0	0
55			0	0	0
56			0	0	0
57			0	0	0
58			0	0	0
59			0	0	0
60			0	0	0
61			0	0	0
62			0	0	0
63			0	0	0
64			0	0	0
65			0	0	0
66			0	0	0
67			0	0	0
68			0	0	0
69			0	0	0
70			0	0	0
71			0	0	0
72			0	0	0
73			0	0	0

Appendix 1 D cont'd

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	Aliphatics Sample Date
74	B6-A	SAB, E of qk fl G 17ft "3"	30-09-01(01)	85-41-11(19)	14118.5	47002.1	37	11.3		26.49	54.53	18.98	none
75	B6-B	SAB, NW of Redfish Pt.	30-08-50(83)	85-40-46(77)	14121.0	46999.6	38	11.6		5.42	83.22	11.36	none
76	B6-C	SAB, NNW of Redfish Pt.	30-08-41(68)	85-40-09(15)	14125.1	46997.0	36	11.0					none
77	C2-A	SAB, E of St. Andrew Marina	30-10-06(10)	85-42-30(50)	14113.0	47014.0	29	8.8		2.43	69.89	27.67	none
78	C2-B	SAB, N or Courtney Pt.	30-09-19(31)	85-42-38(64)	14108.5	47007.7	29	8.8		2.29	29.65	68.07	none
79	C3-A	SAB, SW of Lake Huntington	30-10-22(37)	85-42-38(63)	14113.3	47016.7	23	7.0		4.64	59.95	35.41	none
80	C3-B	SAB, NE of bl C "13" nav mkr	30-10-04(07)	85-43-00(00)	14109.0	47014.8	40	12.2					none
81	D3-A	SAB 2000yd WNW TAFB Ycht Clb	30-05-58(97)	85-39-54(90)	14114.6	46972.9	29	8.8					none
82	D3-B	SAB NNE of Spanish Shanty Pt	30-06-31(52)	85-41-23(39)	14105.7	46981.0	32	9.8					none
83	E1-A	E. Bay, NE of QG 17ft "43"	30-06-29(49)	85-33-01(02)	14167.9	46972.2	20	6.1		0.06	44.62	55.32	none
84	E2-A	E. Bay, NE of QG 17ft "45"	30-06-22(37)	85-34-47(78)	14154.6	46963.7	33	10.1					none
85	E2-B	E. Bay, E of QG 17ft "45"	30-06-10(16)	85-34-35(58)	14154.9	46961.4	22	6.7		0.99	40	59.01	none
86	E3-A	E. Bay, N of QG 17ft "45"	30-06-24(40)	85-35-14(24)	14151.4	46965.3	34	10.4		18.38	36.85	44.77	none
87	E5-A	E. Bay, SE of Dupont Bridge	30-05-49(82)	85-36-05(08)	14142.5	46952.3	28	8.5		16.85	47.2	35.96	none
88	SC1-PO	SAB, S of paper mill	30-08-06(10)	85-37-05(09)	14145.7	46985.0	14	4.3					none
89	SC2-PO	SAB, S of paper mill	30-08-06(10)	85-37-16(27)	14144.3	46985.4	14	4.3		58.01	30.25	11.74	none
90	SC3-PO	SAB, S of paper mill	30-08-02(04)	85-37-29(48)	14142.5	46985.3	38	11.6		16.7	45.01	38.29	none
91	SC4-PO	SAB, S of paper mill	30-08-14(24)	85-37-29(49)	14143.4	46987.1	24	7.3					none
92	SC5-PO	SAB, S of paper mill	31-08-02(04)	85-37-08(14)	14145.1	46984.4	17	5.2					none
93	SC6-PO	SAB, S of paper mill	30-08-13(22)	85-37-35(59)	14142.5	46987.2	33	10.1		52.57	30.25	17.18	none
94	SC7-PO	SAB, S of paper mill	30-08-07(12)	85-37-43(71)	14141.2	46986.6	28	8.5		48.31	34.77	16.92	none
95	ML2-PO	Martin Lk E of hwy 98 bridge	30-08-10(17)	85-36-44(73)	14148.7	46984.7	9	2.7					none
96	NwB-1	N. Bay, Newman Bayou middle	30-16-20(34)	85-40-24(40)	14158.0	47063.6	4.5	1.4					none
97	none	East Bay, E. of Long Point	30-06-29(49)	85-35-14(23)	14151.9	46966.1	29	8.8	5.95	2	39.5	58.5	none
98	LKH	SAB, Lake Huntington middle	30-10-39(65)	85-42-16(26)	14117.5	47018.4	8	2.4		31.74	53.88	14.39	none
99	MB-1	SAB, Massalina Bayou upper	30-09-24(40)	85-39-23(39)	14134.4	47001.6	4.5	1.4					none
100	MB-2	SAB, Massalina Bayou middle	30-09-14(24)	85-39-20(34)	14133.9	47000.1	7	2.1					none
101	RB-1	N. Bay Robinson Bayou middle	30-12-41(69)	85-41-38(64)	14131.6	47034.6	5.5	1.7					none
102	RB-2	N. Bay Robinson Bayou middle	30-12-44(74)	85-41-44(73)	14131.1	47035.2	6	1.8					none
103	NvL-1	SAB, outer end, Navy channel	30-10-28(47)	85-44-37(61)	14097.9	47021.4	21	6.4		70.24	14.26	15.5	none

Appendix 1 D cont'd

Stat. #	% mst	n dodecane wet wgt ppb	dry wgt ppb	n tridecane wet wgt ppb	dry wgt ppb	n tetradecane wet wgt ppb	dry wgt ppb	octyl cyclohexane wet wgt ppb	dry wgt ppb	n pentadecane wet wgt ppb	dry wgt ppb	nonyl cyclohexane wet wgt ppb	dry wgt ppb
74			0		0		0		0		0		0
75			0		0		0		0		0		0
76			0		0		0		0		0		0
77			0		0		0		0		0		0
78			0		0		0		0		0		0
79			0		0		0		0		0		0
80			0		0		0		0		0		0
81			0		0		0		0		0		0
82			0		0		0		0		0		0
83			0		0		0		0		0		0
84			0		0		0		0		0		0
85			0		0		0		0		0		0
86			0		0		0		0		0		0
87			0		0		0		0		0		0
88			0		0		0		0		0		0
89			0		0		0		0		0		0
90			0		0		0		0		0		0
91			0		0		0		0		0		0
92			0		0		0		0		0		0
93			0		0		0		0		0		0
94			0		0		0		0		0		0
95			0		0		0		0		0		0
96			0		0		0		0		0		0
97			0		0		0		0		0		0
98			0		0		0		0		0		0
99			0		0		0		0		0		0
100			0		0		0		0		0		0
101			0		0		0		0		0		0
102			0		0		0		0		0		0
103			0		0		0		0		0		0

Appendix 1 D cont'd

Stat. #	% mst	n hexadecane wet wgt ppb	dry wgt ppb	n heptadecane wet wgt ppb	dry wgt ppb	pristane wet wgt ppb	dry wgt ppb	n octadecane wet wgt ppb	dry wgt ppb	phytane wet wgt ppb	dry wgt ppb	n nonadecane wet wgt ppb	dry wgt ppb
74			0		0		0		0		0		0
75			0		0		0		0		0		0
76			0		0		0		0		0		0
77			0		0		0		0		0		0
78			0		0		0		0		0		0
79			0		0		0		0		0		0
80			0		0		0		0		0		0
81			0		0		0		0		0		0
82			0		0		0		0		0		0
83			0		0		0		0		0		0
84			0		0		0		0		0		0
85			0		0		0		0		0		0
86			0		0		0		0		0		0
87			0		0		0		0		0		0
88			0		0		0		0		0		0
89			0		0		0		0		0		0
90			0		0		0		0		0		0
91			0		0		0		0		0		0
92			0		0		0		0		0		0
93			0		0		0		0		0		0
94			0		0		0		0		0		0
95			0		0		0		0		0		0
96			0		0		0		0		0		0
97			0		0		0		0		0		0
98			0		0		0		0		0		0
99			0		0		0		0		0		0
100			0		0		0		0		0		0
101			0		0		0		0		0		0
102			0		0		0		0		0		0
103			0		0		0		0		0		0

Appendix 1 D cont'd

Stat. #	% mst	n eicosane wet wgt ppb	dry wgt ppb	Total AH wet wgt ppb	dry wgt ppb
74			0	0	0
75			0	0	0
76			0	0	0
77			0	0	0
78			0	0	0
79			0	0	0
80			0	0	0
81			0	0	0
82			0	0	0
83			0	0	0
84			0	0	0
85			0	0	0
86			0	0	0
87			0	0	0
88			0	0	0
89			0	0	0
90			0	0	0
91			0	0	0
92			0	0	0
93			0	0	0
94			0	0	0
95			0	0	0
96			0	0	0
97			0	0	0
98			0	0	0
99			0	0	0
100			0	0	0
101			0	0	0
102			0	0	0
103			0	0	0

Appendix 1 D cont'd

Stat. #	Other ID	Geographical Name	Latitude	Longitude	Loran C	Loran C	Depth (feet)	Depth (meters)	%TOC	%Sand	%Silt	%Clay	Aliphatics Sample Date
104	LCN1	Lk Caroline/up pond/S third	30-10-12(20)	85-40-19(31)			4	1.2					none
104	LCN2	Lk Caroline/up pond/md third	30-10-12(20)	85-40-19(31)			4	1.2					none
104	LCN3	Lk Caroline/up pond/N third	30-10-12(20)	85-40-19(31)			4	1.2					none
104	LCM1	Lk Caroline/md pond/N third	30-09-30(50)	85-40-20(33)			3	0.9					none
104	LCM2	Lk Caroline/md pond/md third	30-09-30(50)	85-40-20(33)			3	0.9					none
104	LCM3	Lk Caroline/md pond/S third	30-09-30(50)	85-40-20(33)			3	0.9					none
104	LCS1	Lk Caroline/S bayou/N third	30-09-24(40)	85-40-19(32)			2	0.6					none
104	LCS2	Lk Caroline/S bayou/md third	30-09-24(40)	85-40-19(32)			2	0.6					none
104	LCS3	Lk Caroline/S bayou/S third	30-09-24(40)	85-40-19(32)			2	0.6					none
105	none	West Bay, E. of Long Point	30-13-47(78)	85-44-08(13)	14116.4	47048.4	24	7.3	4.83	1	24.2	74.8	none

Appendix 1 D cont'd

Stat. #	% mst	n dodecane wet wgt ppb	dry wgt ppb	n tridecane wet wgt ppb	dry wgt ppb	n tetradecane wet wgt ppb	dry wgt ppb	octyl cyclohexane wet wgt ppb	dry wgt ppb	n pentadecane wet wgt ppb	dry wgt ppb	nonyl cyclohexane wet wgt ppb	dry wgt ppb
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
105			0		0		0		0		0		0

Appendix 1 D cont'd

Stat. #	% mst	n hexadecane wet wgt ppb	dry wgt ppb	n heptadecane wet wgt ppb	dry wgt ppb	pristane wet wgt ppb	dry wgt ppb	n octadecane wet wgt ppb	dry wgt ppb	phytane wet wgt ppb	dry wgt ppb	n nonadecane wet wgt ppb	dry wgt ppb
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
104			0		0		0		0		0		0
105			0		0		0		0		0		0

Appendix 1 D cont'd

Stat. #	% mst	n eicosane wet wgt ppb	dry wgt ppb	Total AH wet wgt ppb	dry wgt ppb
104			0	0	0
104			0	0	0
104			0	0	0
104			0	0	0
104			0	0	0
104			0	0	0
104			0	0	0
104			0	0	0
104			0	0	0
105			0	0	0