TABLE 1
Sediment and Elutriate Analytes with Analytical Methods

Analyte	Sediment Method Number	Elutriate Method Number
Arsenic	7061	EPA 206.2
Cadmium	7131	EPA 213.2
Chromium	7191	EPA 218.2
Lead	7421	EPA 239.2
Mercury	7471	EPA 245.1
Nickel	7521	EPA 249.2
Silver	7761	EPA 272.2
Zinc	7950	EPA 289.1
Total Organic Carbon (TOC)	9060	415.1
Oil and Grease	SW 846-9071B	-
Pesticides/PCB's	8081 -82	8081-82
Grain Size	ASTM D-422	N/A
Total Solids	ASTM D-4254	N/A
Atterburg Limits	ASTM D-4318	N/A
Settling Rates	Corps SAD Lab Methods	N/A
Specific Gravity	ASTM D854	N/A

TABLE 2

Results of In Situ Hydrographic Measurements at Wares Creek and Manatee River from July 14 to 16, 2003

Station ID	Coordinates	Date and Time	Depth (feet)	Sea State	Weather
WC03-1	27°29.907' N 82°34.875' W	07/15/03 1450	4	Calm	Clear weather, incoming tide
WC03-2	27°29.792' N 82°34.726' W	07/15/03 1400	4	Calm	Clear weather, incoming tide
WC03-3	27°29.545' N 82°34.801' W	07/14/03 1828	5	Calm	Mostly cloudy, tidal flow downstream
WC03-4	27°29.358' N 82°34.922' W	07/14/03 1755	2	Calm	Partly cloudy, tidal flow downstream
WC03-5	27°29.475' N 82°34.763' W	07/14/03 1718	2	Calm	Partly cloudy, tidal flow downstream
WC03-6	27°28.634' N 82°34.681' W	07/14/03 1650	2	Calm	Partly cloudy, tidal flow down gradient
WC03-7	27°28.414' N 82°34.550' W	07/14/03 1555	2	Calm	Partly cloudy, tidal flow down gradient
WC03-8	27°28.255' N 82°34.270' W	07/14/03 1500	2	Calm	Cloudy, tidal flow downstream
WC03-9	27°27.925' N 82°34.215' W	07/14/03 1430	2	Calm	Cloudy with slight rain, tidal flow downstream
WC03-10	27°27.860' N 82°34.283' W	07/14/03 1344	3	Calm	Cloudy, tidal flow downstream
WCD03-1	27°30.075' N 82°33.702' W	07/15/03 1400	30	Slight Chop	Partly cloudy, incoming tide
WCD03-2	27°30.130' N 82°33.800' W	07/15/03 1320	25	Slight Chop	Partly cloudy, incoming tide
WCD03-3	27°30.082' N 82°33.922' W	07/15/03 1600	30	Choppy	Cloudy, incoming tide
WCD03-4	27°30.140' N 82°33.989' W	07/16/03 0850	30	Slight Chop	Partly cloudy, incoming tide
WCD03-5	27°30.100' N 82°33.846' W	07/16/03 0950	26	Choppy	Cloudy, incoming tide
WCD03-6	27°30.225' N 82°33.789' W	07/6/03 1150	25	Choppy	Cloudy, incoming tide

TABLE 3
Depth Profile In Situ Data from Wares Creek and Manatee River from July 14 to 16, 2003

Station ID	Sampling Depth (feet)	Temp (°C)	pH (Units)	Dissolved O_2 (mg/L)	Salinity (ppt)	Conductivity (mS/cm)	Turbidity (NTU)
WC03-1	1	30.13	8.37	3.19	5.7	15,593	0.80
WC03-2	1	30.48	8.41	2.98	4.5	14,639	0.64
WC03-3	1	30.12	7.78	3.08	0.2	12,255	2.21
WC03-4	1	27.62	7.60	4.08	0.1	190	2.69
WC03-5	1	27.46	7.60	4.15	0.1	193	0.74
WC03-6	1	27.49	7.58	3.67	0.1	213	0.40
WC03-7	1	28.12	7.65	3.78	0.1	186	0.46
WC03-8	1	28.43	7.62	3.22	0.1	187	0.95
WC03-9	1	28.03	7.58	2.86	0.1	170	0.59
WC03-10	1	28.25	7.61	2.37	0.1	260	1.08
WCD03-1	1	30.26	8.26	3.32	12.4	14,699	1.53
	15	30.41	8.30	3.46	13.2	15,070	2.88
	27	30.22	8.28	3.34	13.9	14,589	4.09
WCD03-2	1	30.19	8.10	3.40	12.9	15,832	1.60
	14	30.22	8.19	3.49	13.5	15,900	1.90
	22	30.40	8.15	3.45	14.2	15,890	3.92
WCD03-3	1	29.82	8.14	3.40	12.1	14,186	1.60
	15	29.96	8.20	3.41	13.9	14,440	2.75
	27	29.90	8.18	3.40	13.8	14,401	4.60
WCD03-4	1	30.01	8.01	3.58	12.1	14,896	2.32
	15	30.10	8.14	4.09	13.4	15,123	4.80
	27	30.08	8.10	4.08	12.9	15,069	5.30
WCD03-5	1	29.82	8.10	2.75	11.9	13,800	2.69
	13	29.90	8.25	3.00	12.5	14,126	3.57
	23	29.90	8.10	2.99	13.0	14,101	4.87
WCD03-6	1	29.99	8.40	4.82	13.6	15,632	2.90
	12	30.06	8.41	4.80	14.0	15,680	3.72
	22	30.01	8.39	3.90	13.9	15,689	4.60

TABLE 4
Results of Physical Analysis (Specific Gravity, Atterberg Limits, and Percent Solids) from Sediments Collected at Wares Creek and Manatee River, Bradenton, Florida, July 14-16, 2002

Station Number	Specific Gravity	Atterberg Limits			Percent Solids
		Liquid Limit (Percent)	Plastic Limit (Percent)	Plasticity Index	
WC03-1	2.660	NP	NP	NP	82.8
WC03-2	2.675	NP	NP	NP	85.0
WC03-3	2.461	52	36	16	50.0
WC03-4	2.576	27	24	4	71.5
WC03-5	2.633	NP	NP	NP	73.9
WC03-6	2.664	NP	NP	NP	83.0
WC03-7	2.656	NP	NP	NP	80.3
WC03-8	2.678	NP	NP	NP	83.7
WC03-9	2.673	NP	NP	NP	76.3
WC03-10	2.680	34	19	15	76.4
WCD03-1	2.610	NP	NP	NP	82.9
WCD03-2	2.585	NP	NP	NP	75.6
WCD03-3	2.667	29	20	9	76.0
WCD03-4	2.623	NP	NP	NP	68.4
WCD03-5	2.698	NP	NP	NP	82.2
WCD03-6	2.665	52	42	10	80.6

NP = Non Plastic

Source: MACTEC Engineering and Consulting Inc. Jacksonville.

TABLE 5
Results of Physical Analysis (Grain Size) from Sediments Collected at Wares Creek and Manatee River Station, Bradonton, Tampa, Florida, July 14-16, 2003

Station ID	Gravel (Percent)	Sand (Percent)	Silt/Clay (Percent)
WCO3-10	2.2	62.6	35.2
WCO3-9	5.6	87.4	7.0
WCO3-8	10.0	87.5	2.5
WCO3-7	1.4	94.7	3.9
WCO3-6	4.8	93.1	2.1
WCO3-5	22.8	74.6	2.6
WCO3-4	0.2	94.7	5.1
WCO3-3	0.0	84.8	15.2
WCO3-2	4.4	93.0	2.6
WCO3-1	0.0	99.2	0.8
WCDO3-1	4.8	91.1	4.1
WCDO3-2	3.7	90.8	5.5
WCDO3-3	3.3	69.1	27.6
WCDO3-4	0.9	91.8	7.3
WCDO3-5	17.3	79.5	3.2
WCDO3-6	1.1	80.2	18.7

Source: Law Engineering and Environmental Services, Inc.

TABLE 6
Results of Physical Analysis (Settling Rate) from Sediments Collected at Wares Creek and Manate River Stations, Tampa, Florida, July 14-16, 2003

Time	WCO3-1	WC03-2	WCO3-3	WCO3-4	WCO3-5	WCO3-6	WCO3-7	WCO3-8
0.1	99.8	99.0	99.9	99.9	99.9	99.9	99.9	99.8
0.25	80.0	70.0	99.9	99.9	99.8	99.9	99.8	99.6
0.5	53.0	49.0	99.9	99.8	99.7	99.9	99.6	99.0
1	5.5	30.0	99.8	99.6	99.5	99.8	99.0	98.5
2	5.6	15.0	99.5	99.4	99.2	99.5	98.5	98.0
4	5.7	6.0	98.0	98.1	98.5	98.6	98.0	97.8
8	5.6	6.1	80.5	83.5	68.0	97.0	97.0	96.0
16	5.8	6.6	66.0	59.0	37.0	52.0	69.0	36.0
30	6.0	6.6	50.6	31.7	15.0	7.7	27.0	9.9
60	6.1	6.8	34.0	20.2	12.4	7.3	10.0	7.8
120	6.1	6.8	25.4	16.4	11.8	6.8	8.9	7.4
240	6.1	6.8	20.6	14.2	9.7	6.7	8.1	7.1
480	6.1	6.8	17.7	13.2	8.8	6.7	7.7	7.0
1440	6.1	6.8	14.9	11.4	8.0	6.7	7.1	6.9

Time	WCO3-9	WC03-10	WCDO3-1	WCDO3-2	WCDO3-3	WCDO3-4	WCDO3-5	WCDO3-6
0.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.25	99.8	99.9	99.8	99.9	99.9	99.9	99.8	99.9
0.5	99.7	99.8	99.7	99.8	99.8	99.8	99.6	99.9
1	99.6	99.7	99.2	99.7	99.7	99.7	99.2	99.8
2	99.5	99.0	98.8	99.2	99.5	99.5	98.5	99.6
4	99.4	98.5	98.5	98.6	99.0	98.5	98.0	99.2
8	99.3	94.0	90.0	94.0	96.0	47.0	90.0	97.0
16	99.0	84.0	72.0	45.0	84.0	17.9	6.1	87.5
30	95.7	69.0	30.0	14.0	68.0	14.4	6.5	71.5
60	85.0	44.0	11.3	11.5	48.6	12.3	6.4	43.0
120	61.0	29.3	9.8	10.0	32.9	11.0	6.3	24.6
240	43.8	21.9	8.9	8.9	23.0	10.2	6.3	18.6
480	38.5	18.0	8.1	8.0	18.9	9.6	6.3	15.8
1440	33.7	14.3	7.3	7.4	15.1	9.1	6.3	12.7

Source: MACTEC Engineering and Consulting, Inc.

TABLE 7

Results of TOC for Elutriates and TOC and Oil & Grease Analyses for Sediments Collected at Wares Creek and Manatee River, Bradenton, Florida, July 14-16, 2003

Station ID	Elutriate LAB ID	TOC (mg/L)	Sediment LAB ID	TOC %	O&G mg/kg,wet
WCO3-10	307179	6.84	307160	0.07	59U
WCO3-9	307180	8.30	307161	0.11	59557
WCO3-8	307181	5.77	307162	0.12	2945
WCO3-7	307182	7.24	307163	0.07	562
WCO3-6	307183	6.56	307164	0.55	3651
WCO3-5	307184	6.86	307165	0.13	1983
WCO3-4	307185	7.40	307166	0.42	144
WCO3-3	307186	7.37	307167	1.26	1872
WCO3-2	307187	12.11	307168	2.02	1155
WCO3-1	307188	7.66	307169	0.08	1271
WCO3-1Dup	307189	7.77	307170	0.07	406
WCDO3-4Dup	307190	8.21	307171	0.2	796
WCDO3-1	307191	10.84	307172	0.17	1156
WCDO3-2	307192	10.06	307173	0.01	778
WCDO3-3	307193	9.27	307174	0.72	64690
WCDO3-4	307194	9.98	307175	0.009U	1745
WCDO3-5	307195	9.03	307177	0.009U	1055
WCDO3-6	307196	10.08	307178	0.009U	763
River Water	307178	7.05			

U = Results below detection limit

Table 8
Results of Metals Analyses for Sediments Collected at Wares Creek and Manatee River, Bradenton, Florida, July 14-16, 2003

Station ID	Sample ID	Arsenic	Cadmium	Chromium	Lead	Mercury	Nickel	Silver	Zinc
WCO3-10	307160	1.31	0.11	5.12	0.85	0.1U	2.30	0.004U	3.25
WCO3-9	307161	2.08	0.51	6.65	20.92	0.1U	5.00	0.05	103.79
WCO3-8	307162	1.89	0.18	2.90	4.08	0.1U	1.65	0.05	33.80
WCO3-7	307163	0.43	0.08	1.68	8.68	0.1U	1.08	0.08	12.58
WCO3-6	307164	0.76	0.19	1.63	8.62	0.1U	1.18	0.03	28.71
WCO3-5	307165	0.85	0.30	3.89	22.29	0.1U	1.74	0.08	44.68
WCO3-4	307166	0.12U	0.02	1.21	0.73	0.1U	0.40	0.02	0.6U
WCO3-3	307167	1.03	0.39	4.44	37.76	0.20	2.03	0.24	78.51
WCO3-2	307168	0.55	0.72	17.77	58.11	0.1U	4.48	0.19	143.74
WCO3-1	307169	0.18	0.06	1.47	2.46	0.1U	0.50	0.08	5.20
WCO3-1Dup	307170	5.85	1.33	23.06	9.25	0.1U	5.65	0.14	40.03
WCDO3-4Dup	307171	0.80	0.18	14.01	5.86	0.1U	3.39	0.17	24.71
WCDO3-1	307172	0.84	0.55	19.23	49.98	0.1U	4.02	0.18	108.98
WCDO3-2	307173	0.77	0.51	14.42	32.00	0.1U	3.66	0.16	73.39
WCDO3-3	307174	0.24	0.64	6.22	3.72	0.1U	2.58	0.41	14.89
WCDO3-4	307175	0.26	0.82	7.02	7.14	0.1U	2.63	0.23	15.84
WCDO3-5	307176	0.51	0.08	0.57	1.78	0.1U	1.64	0.05	1.88
WCDO3-6	307177	0.20	0.39	0.25	2.13	0.1U	1.59	0.16	5.87

All data reported in mg/kg dry,

Table 9
Results of Metal Analyses for Elutriate of Sediments Collected at Wares Creek and Manatee River, Bradenton, Florida, July 14 – 16, 2003

All data reported in µg/L

Station ID	Sample ID	Arsenic	Cadmium	Chromium	Lead	Mercury	Nickel	Silver	Zinc
WCO3-10	307179	39.80	0.87	11.02	2.3	1.0U	0.36U	1.78	9.7U
WCO3-9	307180	0.47U	0.63	3.26	8.27	1.0U	0.36U	2.26	9.7U
WCO3-8	307181	2.12	0.48	3.20	4.51	1.0U	0.36U	0.99	9.7U
WCO3-7	307182	0.48	0.03U	5.28	4.69	1.0U	0.36U	0.79	9.7U
WCO3-6	307183	0.58	0.03U	3.44	11.2	1.0U	0.36U	0.78	31.4
WCO3-5	307184	3.36	0.03U	7.85	8.71	1.0U	0.36U	0.73	46.3
WCO3-4	307185	2.72	0.60	1.24	2.25	1.0U	0.36U	0.65	9.7U
WCO3-3	307186	1.03	1.18	9.95	17.60	1.0U	0.36U	0.72	110.7
WCO3-2	307187	0.88	0.03U	5.72	0.23U	1.0U	0.36U	0.57	9.7U
WCO3-1	307188	0.47U	0.03U	2.91	3.29	1.0U	0.36U	0.44	9.7U
WCO3-1Dup	307189	1.66	1.28	5.90	0.23U	1.0U	0.36U	0.55	21.5
WCDO3-4Dup	307190	12.14	0.03U	1.81	0.23U	1.0U	0.36U	0.19	9.7U
WCDO3-1	307191	0.47U	0.03U	2.53	0.23U	1.0U	0.36U	0.23	9.7U
WCDO3-2	307192	0.47U	1.66	2.69	0.47	1.0U	0.36U	2.47	9.7U
WCDO3-3	307193	0.47U	0.71	1.32	0.23U	1.0U	0.36U	0.86	9.7U
WCDO3-4	307194	0.47U	0.23	2.83	1.57	1.0U	0.36U	0.81	21.5
WCDO3-5	307195	0.53	0.67	2.03	2.28	1.0U	0.36U	0.29	9.7U
WCDO3-6	307196	0.47U	2.26	3.98	1.74	1.0U	0.36U	0.43	11.6
307178	307178	1.86	0.03U	1.12	0.38	1.0U	0.36U	2.01	9.7U

TABLE 10

Results of Pesticides Analyses for Sediments Collected at Wares Creek and Manate River, Tampa, Florida, July 14-16, 2003

Station ID	**WCO3-10**	**WCO3-9**	**WCO3-8**	**WCO3-7**	**WCO3-6**	**WCO3-5**	**WCO3-4**	**WCO3-3**	**WCO3-2**
Sample ID	307160	307161	307162	307163	307164	307165	307166	307167	307168
Aldrin	16.9	30.6	15.8	4.7	9.5	4.3	4.3	21.6	2.2
Chlordane	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U
4,4'-DDT	0.61U	0.61U	12.6	0.61U	0.61U	0.5	0.61U	11.2	0.61U
4,4'-DDE	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U
Dieldrin	0.58U	1.4	0.58U	0.6	0.58U	0.58U	16.4	8.2	0.9
Endosulfan I	0.87U	0.87U	1.06	0.87U	0.87U	0.87U	0.87U	10.9	0.87U
Endosulfan II	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U
Endosulfan sulfate	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Endrin	0.90U	0.90U	2.23	0.90U	0.90U	0.90U	3.7	0.90U	0.90U
Endrin aldehyde	0.54U	4.0	8.2	0.54U	0.54U	0.54U	1.5	0.54U	0.54U
Heptachlor	8.6	12.7	22.7	0.9	17.9	6.9	16.8	13.6	7.1
Heptachlor epoxide	12.9	0.42U	15.7	0.42U	0.42U	0.42U	0.42U	0.42U	0.42U
Lindane	148.3	131.4	107.9	36.6	64.3	47.7	63.6	354.6	27.9
Toxaphene	50U	50U	50U	50U	50U	50U	50U	50U	50U

All data reported in µg/kg, dry weight basis
U = Results below detection limit

TABLE 10 (contd.)

Results of Pesticides Analyses for Sediments Collected at Wares Creek and Manate River, Tampa, Florida, July 14-16, 2003

Station ID	**WCO3-1**	**WCO3-1D**	**WCDO3-1**	**WCDO3-2**	**WCDO3-3**	**WCDO3-4**	**WCDO3-5**	**WCDO3-6**	**WCDO3-4D**
Sample ID	307169	307170	307172	307173	307174	307175	307176	307177	307171
Aldrin	12.6	3.1	2.5	10.6	11.9	2.2	8.2	0.39U	9.8
Chlordane	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U	0.45U
4,4'-DDT	0.61U	0.61U	0.61U	10.2	0.61U	3.4	0.61U	0.61U	0.61U
4,4'-DDE	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U	0.49U
Dieldrin	0.58U	0.58U	0.58U	1.13	0.58U	0.58U	0.58U	0.58U	8.0
Endosulfan I	0.97	0.87U	0.87U	0.87U	0.87U	0.87U	1.01	0.87U	11.1
Endosulfan II	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U	0.99U
Endosulfan sulfate	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U	0.53U
Endrin	0.90U	0.90U	0.90U	0.90U	0.90U	0.90U	0.90U	0.90U	2.9
Endrin aldehyde	0.69	0.54U	0.54U	0.54U	0.54U	0.54U	0.54U	0.54U	0.54U
Heptachlor	7.3	4.7	5.1	6.7	6.8	1.9	4.4	0.31U	27.7
Heptachlor epoxide	0.42U	0.61	0.23	0.42U	0.42U	0.42U	0.42U	0.42U	1.2
Lindane	11.5	22.6	18.7	24.6	9.2	9.9	20.8	0.44U	62.7
Toxaphene	50U	50U	50U	50U	50U	50U	50U	50U	50U

All data reported in µg/kg, dry weight basis
U = Results below detection limit

TABLE 11

Results of Pesticides Analyses for elutriate of Sediments Collected at Wares Creek and Manate River, Tampa, Florida, July 14-16, 2003

Station ID	**WCO3-10**	**WCO3-9**	**WCO3-8**	**WCO3-7**	**WCO3-6**	**WCO3-5**	**WCO3-4**	**WCO3-3**	**WCO3-2**
Sample ID	307179	307180	307181	307182	307183	307184	307185	307186	307187
Aldrin	0.004U	0.004U	0.004U	0.004U	0.004U	0.06	0.15	0.45	0.44
Chlordane	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U
4,4'-DDT	0.004U	0.004U	0.004U	0.27	0.16	0.30	0.004U	0.17	0.15
4,4'-DDE	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
Dieldrin	0.003	0.002U	0.002U	0.14	0.21	0.04	0.002U	0.002U	0.002U
Endosulfan I	0.012U	0.02	0.012U	0.012U	0.07	0.012U	0.012U	0.07	0.003
Endosulfan II	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
Endosulfan sulfate	0.01U	0.17	0.01U	0.47	3.11	0.24	0.47	0.94	1.64
Endrin	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U
Endrin aldehyde	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U
Heptachlor	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U
Heptachlor epoxide	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U
Lindane	0.036U	0.036U	0.036U	0.036U	0.07	0.036U	0.036U	0.036U	0.036U
Toxaphene	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

All data reported in µg/L
U = Results below detection limit

TABLE 11 (contd.)

Results of Pesticides Analyses for Elutriate of Sediments Collected at Wares Creek and Manate River, Tampa, Florida, July 14-16, 2003

Station ID	**WCO3-1**	**WCO3-1D**	**WCDO3-1**	**WCDO3-2**	**WCDO3-3**	**WCDO3-4**	**WCDO3-5**	**WCDO3-6**	**WCDO3-4D**
Sample ID	307188	307189	307190	307191	307192	307193	307194	307195	307196
Aldrin	0.44	0.56	0.004U	0.004U	0.3	0.004U	0.01	0.15	0.23
Chlordane	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U	0.009U
4,4'-DDT	0.6	0.23	0.004U	0.004U	0.004U	1.69	0.02	0.41	0.05
4,4'-DDE	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
Dieldrin	0.002U	0.16	0.002U	0.002U	0.002U	0.002U	0.002U	0.002U	0.002U
Endosulfan I	0.012U	0.012U	0.012U	0.012U	0.04	0.012U	0.012U	0.012U	0.012U
Endosulfan II	0.004U	0.004U	0.004U	0.37	0.004U	0.004U	0.004U	0.004U	0.004U
Endosulfan sulfate	1.2	1.07	0.01U	0.01U	1.99	1.96	0.01U	1.32	0.06
Endrin	0.06	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U
Endrin aldehyde	0.003U	0.003U	0.003U	0.003U	0.003U	0.63	0.003U	0.34	0.003U
Heptachlor	0.75	0.003U	0.003U	0.003U	0.09	0.08	0.003U	0.003U	0.3
Heptachlor epoxide	0.008U	0.008U	0.008U	0.008U	0.008U	2.3	0.008U	0.008U	0.008U
Lindane	0.27	0.036U	0.036U	0.036U	0.036U	0.28	0.036U	0.036U	1.38
Toxaphene	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

All data reported in µg/L
U = Results below detection limit

TABLE 12
Results of PCB Analyses for Sediments Collected at Wares Creeks and Manatee River, Tampa, Florida, July 14-16, 2003

Station ID Sample ID		**WCO3-10** 307160	**WCO3-9** 307161	**WCO3-8** 307162	**WCO3-7** 307163	**WCO3-6** 307164	**WCO3-5** 307165	**WCO3-4** 306166	**WCO3-3** 307167	**WCO3-2** 307168
2,4 diCB-	8	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U	0.25U
2,2',5 triCB	18	0.45U	0.45U	4.87	0.45U	5.43	0.45U	0.45U	0.45U	0.45U
2,4,4' triCB	28	0.6U	0.6U	0.6U	12.8	19.12	0.83	7.13	7.74	7.14
2,2',5,5' tetraCB	52	0.18U	9.87	0.18U	0.64	1.31	0.18U	0.18U	0.18U	0.18U
2,2',4,5' tetraCB	49	0.39U	0.39U	0.39U	6.11	5.28	34.22	69.29	152.62	85.88
2,2',3,5' tetraCB	44	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U	0.6U
2,3',4,4' tetraCB	66	0.12U	0.12U	0.12U	0.90	0.12U	0.12U	0.12U	0.12U	0.12U
3,3',4,4' tetraCB	77	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U
2,2',3,4,5' pentaCB	87	0.46U	0.46U	0.46U	0.46U	0.46U	0.46U	0.46U	1.14	0.46U
2,2',4,5,5' pentaCB	101	0.23U	209.9	42.97	0.23U	45.80	16.67	0.23U	0.23U	8.71
2,3,3',4,4' pentaCB	105	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U
2,3',4,4',5 pentaCB	118	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U
3,3',4,4',5,5' hexaCB	169	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U
3,3',4,4',5 pentaCB	126	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U
2,3,3',4,4' hexaCB	128	0.59U	0.59U	0.59U	0.59U	0.59U	0.59U	0.59U	1.58	0.59U
2,2',3,4,4',5' hexaCB	138	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U
2,2',4,4',5,5' hexaCB	153	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U
2,2',3,4,4',5',6 heptaCB	183	0.39U	0.39U	0.39U	0.39U	0.39U	0.39U	0.39U	0.39U	0.39U
2,2',3,3',4',4',5 heptaCB	170	0.4U	3.56	90.91	29.44	84.45	11.23	24.46	39.96	54.22
2,2',3,4,4',5,5' heptaCB	180	0.35U	0.35U	0.65	0.35U	0.35U	0.35U	0.35U	0.35U	0.35U
2,2',3,4,4',6,6' heptaCB	184	0.97U	0.97U	1.06	0.97U	0.97U	0.97U	0.97U	0.97U	0.97U
2,2',3,4,5,5',6 heptaCB	187	0.36U	0.36U	0.36U	0.36U	0.36U	0.36U	0.36U	10.28	0.36U
2,2',3,3',4,4',5,6 octaCB	195	0.61U	0.61U	0.61U	0.61U	1.73	0.61U	0.61U	0.61U	2.21
2,2',3,3',4,4',5,5',6 nonaCB	206	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U
2,2',3,3',4,4',5,5',6,6' decaCB	209	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U

All data reported in µg/kg, dry weight basis.
U = Results below detection limit

TABLE 12(contd.)
Results of PCB Analyses for Sediments Collected at Wares Creeks and Manatee River, Tampa, Florida, July 14-16, 2003

Station ID		**WCO3-1**	**WCO3-1D**	**WCDO3-1**	**WCDO3-2**	**WCDO3-3**	**WCDO3-4**	**WCDO3-5**	**WCDO3-6**	**WCDO3-4D**
Sample ID		307169	307170	307172	307173	307174	307175	307176	307177	307171
2,4 diCB-	8	0.25U	0.25U	0.25U	0.25U	19.0	0.25U	0.25U	0.25U	0.25U
2,2',5 triCB	18	0.45U	0.45U	0.45U	0.45U	16.8	11.84	0.45U	0.45U	0.45U
2,4,4' triCB	28	10.43	2.03	0.6U	0.6U	13.3	1.92	0.6U	4.59	0.6U
2,2',5,5' tetraCB	52	0.18U	0.18U	0.18U	0.18U	0.18U	0.18U	0.18U	0.18U	0.18U
2,2',4,5' tetraCB	49	87.6	94.95	0.39U	5.87	182.3	84.46	5.30	1.22	11.43
2,2',3,5' tetraCB	44	0.6U	0.6U	0.6U	0.6U	4.54	0.6U	0.6U	0.6U	0.6U
2,3',4,4' tetraCB	66	0.12U	0.12U	0.12U	0.12U	0.12U	0.12U	0.12U	0.12U	0.12U
3,3',4,4' tetraCB	77	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U	0.19U
2,2',3,4,5' pentaCB	87	0.46U	0.46U	0.46U	0.46U	0.46U	0.46U	0.46U	0.46U	0.46U
2,2',4,5,5' pentaCB	101	94.89	0.23U	22.22	0.23U	0.23U	0.34	0.23U	0.23U	44.59
2,3,3',4,4' pentaCB	105	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U	0.77U
2,3',4,4',5 pentaCB	118	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U
3,3',4,4',5,5' hexaCB	169	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U	0.26U
3,3',4,4',5 pentaCB	126	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U	0.75U
2,3,3',4,4' hexaCB	128	1.76	0.76	0.59U	0.59U	15.03	5.73	0.59U	0.59U	0.59U
2,2',3,4,4',5' hexaCB	138	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U	0.28U
2,2',4,4',5,5' hexaCB	153	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U	1.17U
2,2',3,4,4',5',6 heptaCB	183	0.39U	0.39U	0.39U	0.39U	29.13	2.24	0.39U	0.39U	0.39U
2,2',3,3',4',4',5 heptaCB	170	32.8	24.4	0.4U	0.4U	71.36	68.26	51.62	42.9	0.02U
2,2',3,4,4',5,5' heptaCB	180	0.35U	0.35U	0.35U	0.35U	0.35U	0.35U	0.35U	0.35U	0.35U
2,2',3,4,4',6,6' heptaCB	184	0.97U	0.97U	0.97U	0.97U	2.53	0.97U	0.97U	0.97U	0.97U
2,2',3,4,5,5',6 heptaCB	187	11.94	38.44	0.36U	0.36U	0.36U	0.36U	0.36U	0.36U	2.37
2,2',3,3',4,4',5,6 octaCB	195	0.61U	0.61U	0.61U	0.61U	0.61U	59.01	2.3	0.61U	0.61U
2,2',3,3',4,4',5,5',6 nonaCB	206	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U	0.7U
2,2',3,3',4,4',5,5',6,6' decaCB	209	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U	1.08U

All data reported in µg/kg, dry weight basis
U = Results below detection limit

TABLE 13
Results of PCB Analyses for Elutriate of Sediments Collected at Wares Creeks and Manatee River, Tampa, Florida, July 14-16, 2003

Station ID		**WCO3-10**	**WCO3-9**	**WCO3-8**	**WCO3-7**	**WCO3-6**	**WCO3-5**	**WCO3-4**	**WCO3-3**	**WCO3-2**
Sample ID		307179	307180	307181	307182	307183	306184	307185	307186	307187
2,4 diCB-	8	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
2,2',5 triCB	18	0.1	0.07	0.31	0.05	0.45	0.13	0.13	3.12	0.08
2,4,4' triCB	28	0.19	0.05	0.36	0.06	0.34	0.35	0.35	0.25	0.17
2,2',5,5' tetraCB	52	0.005U	0.005U	0.005U	0.17	0.005U	0.005U	0.005U	0.03	0.005U
2,2',4,5' tetraCB	49	0.1	0.39	0.21	0.09	0.15	0.15	0.15	0.05	0.012U
2,2',3,5' tetraCB	44	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
2,3',4,4' tetraCB	66	0.01	0.005U	0.08	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
3,3',4,4' tetraCB	77	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.09	0.005U
2,2',3,4,5' pentaCB	87	0.008U	0.008U	0.008U	0.04	0.008U	0.008U	0.008U	0.02	0.01
2,2',4,5,5' pentaCB	101	0.01	0.005U	0.005U	0.005U	0.05	0.01	0.01	0.27	0.005U
2,3,3',4,4' pentaCB	105	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
2,3',4,4',5 pentaCB	118	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
3,3',4,4',5,5' hexaCB	169	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U
3,3',4,4',5 pentaCB	126	0.004U	0.004U	0.004U	0.01	0.004U	0.004U	0.004U	0.004U	0.004U
2,3,3',4,4' hexaCB	128	0.007U	0.007U	0.007U	0.01	0.007U	0.007U	0.007U	0.007U	0.007U
2,2',3,4,4',5' hexaCB	138	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U
2,2',4,4',5,5' hexaCB	153	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U
2,2',3,4,4',5',6 heptaCB	183	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U
2,2',3,3',4',4',5 heptaCB	170	0.81	0.2	1.06	2.24	2.11	2.48	2.48	2.45	0.81
2,2',3,4,4',5,5' heptaCB	180	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
2,2',3,4,4',6,6' heptaCB	184	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U
2,2',3,4,5,5',6 heptaCB	187	0.003U	0.003U	0.01	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U
2,2',3,3',4,4',5,6 octaCB	195	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U
2,2',3,3',4,4',5,5',6 nonaCB	206	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U
2,2',3,3',4,4',5,5',6,6' decaCB	209	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U

All data reported in µg/L. U = Results below detection limit

TABLE 13 (contd.)
Results of PCB Analyses for Elutriate of Sediments Collected at Wares Creeks and Manatee River, Tampa, Florida, July 14-16, 2003

Station ID		**WCO3-1**	**WCO3-1D**	**WCDO3-4D**	**WCDO3-1**	**WCDO3-2**	**WCDO3-3**	**WCDO3-4**	**WCDO3-5**	**WCDO3-6**
Sample ID		307188	307189	307190	307191	307192	307193	307194	307195	307196
2,4 diCB-	8	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
2,2',5 triCB	18	0.06	0.06	0.48	0.05	0.13	0.05	0.1	0.005U	0.11
2,4,4' triCB	28	0.43	0.31	0.33	0.29	0.52	0.3	0.29	0.07	0.05
2,2',5,5' tetraCB	52	0.01	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.01
2,2',4,5' tetraCB	49	0.012U	0.012U	0.012U	0.012U	0.012U	0.012U	0.012U	0.22	0.03
2,2',3,5' tetraCB	44	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
2,3',4,4' tetraCB	66	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
3,3',4,4' tetraCB	77	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
2,2',3,4,5' pentaCB	87	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U
2,2',4,5,5' pentaCB	101	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.01
2,3,3',4,4' pentaCB	105	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
2,3',4,4',5 pentaCB	118	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
3,3',4,4',5,5' hexaCB	169	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U	0.001U
3,3',4,4',5 pentaCB	126	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
2,3,3',4,4' hexaCB	128	0.007U	0.007U	0.007U	0.007U	0.007U	0.007U	0.007U	0.007U	0.007U
2,2',3,4,4',5' hexaCB	138	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U	0.019U
2,2',4,4',5,5' hexaCB	153	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U	0.017U
2,2',3,4,4',5',6 heptaCB	183	0.015U	0.015U	0.015U	0.015U	0.015U	2.26	0.015U	0.015U	0.015U
2,2',3,3',4',4',5 heptaCB	170	1.39	1.44	0.004U	2.65	4.92	0.004U	0.9	0.53	0.311
2,2',3,4,4',5,5' heptaCB	180	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U	0.004U
2,2',3,4,4',6,6' heptaCB	184	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U
2,2',3,4,5,5',6 heptaCB	187	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U
2,2',3,3',4,4',5,6 octaCB	195	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U	0.008U
2,2',3,3',4,4',5,5',6 nonaCB	206	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U	0.014U
2,2',3,3',4,4',5,5',6,6' decaCB	209	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U	0.013U

All data reported in µg/L. U = Results below detection limits

TABLE 14
Results of PCB and Pesticides of Reference Water from Manatee River

Sample ID		307178		307178
2,4 diCB-	8	0.005U	Aldrin	0.004U
2,2',5 triCB	18	0.005U	Chlordane	0.009U
2,4,4' triCB	28	0.29	4,4'-DDT	0.004U
2,2',5,5' tetraCB	52	0.005U	4,4'-DDE	0.004U
2,2',4,5' tetraCB	49	0.03	Dieldrin	0.002U
2,2',3,5' tetraCB	44	0.004U	Endosulfan I	0.012U
2,3',4,4' tetraCB	66	0.005U	Endosulfan II	0.004U
3,3',4,4' tetraCB	77	0.005U	Endosulfan sulfate	0.010U
2,2',3,4,5' pentaCB	87	0.42	Endrin	0.001U
2,2',4,5,5' pentaCB	101	0.005U	Endrin Aldehyde	0.003U
2,3,3',4,4' pentaCB	105	0.005U	Heptachlor	0.003U
2,3',4,4',5 pentaCB	118	0.005U	Heptachlor epoxide	0.008U
3,3',4,4',5,5' hexaCB	169	0.001U	Lindane	0.036U
3,3',4,4',5 pentaCB	126	0.004U	Toxaphene	0.50U
2,3,3',4,4' hexaCB	128	0.007U		
2,2',3,4,4',5' hexaCB	138	0.019U		
2,2',4,4',5,5' hexaCB	153	0.017U		
2,2',3,4,4',5',6 heptaCB	183	0.015U		
2,2',3,3',4',4',5 heptaCB	170	0.11		
2,2',3,4,4',5,5' heptaCB	180	0.004U		
2,2',3,4,4',6,6' heptaCB	184	0.014U		
2,2',3,4,5,5',6 heptaCB	187	0.003U		
2,2',3,3',4,4',5,6 octaCB	195	0.008U		
2,2',3,3',4,4',5,5',6 nonaCB	206	0.014U		
2,2',3,3',4,4',5,5',6,6' decaCB	209	0.013U		

All data reported in µg/L.