

**TABLE 2
METALS AND PCBs IN SEDIMENT WITH SCREENING
MARSH PORTION OF SUBUNIT 2B
RICHMOND FIELD STATION**

Habitat Type ¹	Location/Sample ID	Sample Depth (feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)	pH	Total PCBs (mg/kg)	Aroclor-1221 (mg/kg)	Aroclor-1232 (mg/kg)	Aroclor-1242 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Aroclor-1262 (mg/kg)	
C	SM134	0	7.7	0.31	8.7	63	63	0.80	78	1.9	< 0.63	200	6.8	0.59	200	6.8	0.59	< 0.066	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	NA
C	SM134	2	< 5.9	120	15	410	490	22	72	1.3	< 0.49	1,800	8.7	1.1	< 0.25	< 0.025	< 0.025	< 0.050	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	NA
C	SM134	2.5	< 3.4	3.2	5.2	44	44	21	12	3.3	< 0.28	45	8.8	0.017	45	8.8	0.017	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	NA
C	SM135	2	< 3.9	160	0.29	160	820	34	72	1.4	< 0.75	230	6.7	1.4	< 0.38	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	NA
C	SM135	2.5	< 3.7	13	4.7	59	820	34	59	2.1	< 0.33	1,400	8.7	2.1	< 0.33	< 0.33	< 0.33	< 0.38	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	NA
C	SM136	0	< 9.2	17	0.41	73	89	37	74	74	< 0.77	320	8.9	0.24	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	< 0.16	NA
C	SM136	2	< 5.4	110	0.37	110	280	2.1	98	2.1	< 0.98	660	8.3	1.6	< 0.45	< 0.45	< 0.45	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	NA
C	SM136	2	< 5.4	110	0.37	110	280	2.1	98	2.1	< 0.98	660	8.3	1.6	< 0.45	< 0.45	< 0.45	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	NA
C	SM137	0.5	< 3.2	8.6	0.45	4.8	59	25	14	0.082	< 0.26	64	8.6	0.015	53	8.6	0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	NA
C	SM137	0	< 5.2	18	0.39	6.9	74	2.3	79	1.4	< 0.44	250	7.3	5.1	< 0.27	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	NA
C	SM137	6	< 4.1	71	0.25	13	67	8.5	75	3.1	< 0.35	950	8.3	0.081	< 0.19	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	< 0.081	NA
O	SM137-clay	0.2	< 3.5	15	0.55	3.3	51	27	27	0.62	< 0.29	57	7.5	0.065	66	7.5	0.065	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	NA
O	SM138	0	< 6.4	21	0.44	6.5	69	2.0	73	1.9	< 0.54	310	7.5	3.9	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	NA
C	SM140	4.5	< 5.3	230	0.35	14	67	1.9	120	2.6	< 0.45	1,000	8.2	1.5	< 0.45	< 0.45	< 0.45	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	< 0.48	NA
C	SM140	2	< 5.4	61	0.44	11	96	1.1	110	1.1	< 1.0	320	7.3	2.6	< 0.12	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	NA
C	SM140	0	< 12	15	< 0.40	7.5	51	1.1	110	1.1	< 1.0	320	7.3	2.6	< 0.12	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	< 0.059	NA
C	SM141	0	< 17	34	< 0.57	13	97	1.3	120	2.6	< 1.4	330	8.5	7.0	< 0.22	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA
C	SM141	2	< 7	150	< 0.38	11	97	240	280	7.4	< 0.58	1,000	7.9	1.6	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	NA
C	SM141	6	< 7.2	540	0.53	23	100	1100	270	18	< 0.60	1,600	7.5	0.36	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	NA
C	SM142	2	< 5.1	130	0.4	10	73	0.85	78	1.6	< 1.2	200	7.1	1.0	< 1.2	< 1.0	< 1.0	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	NA
C	SM142	2.5	< 3.9	22	0.18	3.3	30	130	90	40	< 0.33	350	9.2	0.031	< 0.42	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	NA
C	SM142	0	< 7.0	14	0.52	6.0	81	0.52	88	1.0	< 0.58	230	6.9	0.53	< 0.32	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	< 0.032	NA
C	SM143	2	< 6.1	34	0.62	9.3	100	1.8	110	2.1	< 0.51	740	7.9	5.3	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	< 0.14	NA
C	SM143	4.5	< 6.4	27	0.57	7.9	92	1.2	100	2.3	< 0.78	350	7.8	2.7	< 0.71	< 1.42	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	NA
C	SM143	0	< 7.8	17	0.53	6.0	79	0.83	87	1.9	< 0.65	150	6.9	0.38	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	NA
C	SM144	2	< 0.62	98	0.48	98	97	0.81	81	5.8	< 0.52	390	8.0	2.8	< 0.50	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NA
C	SM144	3	< 3.5	17	0.18	3.1	29	0.72	30	0.72	< 0.29	330	8.4	0.0	< 0.017	< 0.035	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	NA
C	SM144	0	< 11	17	0.57	6.8	85	1.3	98	2.0	< 0.95	240	6.9	0.90	< 0.53	< 0.11	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	NA
C	SM144	2	< 7.0	290	0.55	18	98	170	700	56	< 0.58	2,200	8.4	0.25	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	NA
C	SM145	3	< 3.7	15	0.2	3.3	35	120	88	45	< 0.30	330	8.6	0.0	< 0.017	< 0.033	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	NA
C	SM145	2	< 3.7	15	0.2	3.3	35	120	88	45	< 0.30	330	8.6	0.0	< 0.017	< 0.033	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	< 0.017	NA
C	SM145	0	< 11	17	0.57	6.8	85	1.3	98	2.0	< 0.95	240	6.9	0.90	< 0.53	< 0.11	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	NA
C	SM145	2	< 7.0	290	0.55	18	98	170	700	56	< 0.58	2,200	8.4	0.25	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	NA
C	SM145	0	< 11	17	0.57	6.8	85	1.3	98	2.0	< 0.95	240	6.9	0.90	< 0.53	< 0.11	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	< 0.053	NA
C	SM147	2	< 3.2	8.6	0.21	4.9	53	16	16	9.3	< 0.57	1,700	7.4	0.17	< 0.19	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	NA
C	SM147	4	< 3.2	8.6	0.21	4.9	53	16	16	9.3	< 0.57	1,700	7.4	0.17	< 0.19	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	NA
C	SM147	2	< 17	1,300	0.25	24	43	1,200	260	46	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62	70	89	1.5	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62	70	89	1.5	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62	70	89	1.5	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62	70	89	1.5	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62	70	89	1.5	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62	70	89	1.5	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62	70	89	1.5	< 0.90	180	6.7	2.3	< 0.39	< 0.63	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	NA
C	SM147	0	< 11	29	0.40	6.6	62</																	

**TABLE 2
METALS AND PCBs IN SEDIMENT WITH SCREENING
MARSH PORTION OF SUBUNIT 2B
RICHMOND FIELD STATION**

Habitat Type ¹	Location/Sample ID	Sample Depth (feet)	Antimony (mg/kg)	Arsenic (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Zinc (mg/kg)	pH	Total PCBs (mg/kg)	Aroclor-1016 (mg/kg)	Aroclor-1221 (mg/kg)	Aroclor-1232 (mg/kg)	Aroclor-1242 (mg/kg)	Aroclor-1248 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Aroclor-1262 (mg/kg)		
O	SM139	0	< 4.6	16	0.40	7.4	80	83	150	0.93	110	1.0	< 0.39	< 0.39	350	7.0	0.58	< 0.020	< 0.040	< 0.020	< 0.020	0.51	< 0.020	0.72	NA		
O	SM146	0	< 5.8	15	0.53	7.5	79	83	81	1.3	87	1.4	0.50	< 0.48	350	7.3	6.0	< 0.28	< 0.55	< 0.28	< 0.28	5.7	< 0.28	0.34	NA		
O	SM146	2	< 4.8	79	0.48	6.7	82	230	150	1.3	87	4.9	0.76	< 0.4	350	7.3	6.0	< 0.28	< 0.55	< 0.28	< 0.28	5.7	< 0.28	0.34	NA		
O	SM158	0	< 5.3	160	0.47	6.7	110	230	130	3.1	76	8.1	0.54	< 0.44	500	7.5	5.3	< 0.11	< 0.22	< 0.11	< 0.11	5.1	< 0.11	0.23	NA		
O	SM162	0	< 5.5	94	0.56	6.6	75	180	110	7.7	79	3.3	< 0.46	< 0.46	600	7.7	1.15	< 0.022	< 0.044	< 0.022	< 0.022	1.1	< 0.022	0.054	NA		
O	SM162	1.5	< 5.7	230	0.63	8.7	93	380	130	8.1	94	6.9	0.74	< 0.47	740	8.1	0.26	< 0.023	< 0.047	< 0.023	< 0.023	0.26	< 0.023	< 0.023	NA		
M8 - Upland Areas																											
U	B1MA	2-91	1	NA	3.5	NA	60	44	7.5	< 0.12	NA	< 7.9	NA	NA	96	8.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
U	B2MA	2-91	1	NA	NA	119	85	9.8	125	2.3	NA	< 22	NA	NA	622	700	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	
U	PC102		4	< 5.5	4.9	0.35	1.6	25 J	28	7.8	28	28	< 0.46	< 0.46	80	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
U	PC102		4	< 5.5	4.9	0.35	1.6	25 J	28	7.8	28	28	< 0.46	< 0.46	80	9.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
U	PC102		6	< 4.0	3.0	0.33	1.5	39 J	26	0.2	10	0.2	< 0.33	< 0.33	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
F	SM121		0	< 3.2	2.4	0.54	1.9	12	16	10	10	< 0.043	< 0.27	< 0.27	48	8.3	NA	NA	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	
F	SM121		4	< 3.3	2.1	0.71	1.6	12	14	9.4	28	< 0.27	< 0.27	< 0.27	47	7.9	NA	NA	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	
F	SM121		17	< 3.1	2.3	0.35	1.5	32	19	4.4	53	0.34	< 0.26	< 0.26	39	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:

Results reported in dry weight except for samples noted
¹ SSTL screening is based upon habitat type. Habitat types include O, C, M, U, and F.

O = Open water in Slough and Shallow Bay
C = Cord grass in Slough and Shallow Bay
M = Marsh in Tidal Marsh
U = Upland or paths and roadways
F = Fill in upland or paths and roadways

NA = Not Analyzed

Qualifiers for the recent data are shown in Table 1. Qualifiers for historical data are shown in previous reports.

* Two surface samples were collected in the vicinity of SM161; one at the toe of the Bay Trail slope and one in the slough. The results for the slough sample are shown in the tables.
** Four-point composite samples collected for waste characterization. Results are reported in wet weight.

█ =exceedance of lowest applicable screening value