

CHAPTER II

SECTION 5 TABLES

Table II-5.2-1 – Variogram/variance at the 80 foot lag

CU	Tri+PCB	Ln Tri+PCB	Total PCB	Ln Total PCB
1	0.97	1.00	0.91	0.98
2	0.73	0.75	0.72	0.78
3	1.06	0.94	1.04	0.92
4	1.07	0.90	1.01	0.89
5	1.22	1.19	1.25	1.23
6	0.62	0.88	0.60	0.82
7	1.00	1.02	1.20	1.09
8	1.09	0.89	1.08	0.88
17	0.80	0.67	0.88	0.52
18	0.93	0.85	0.98	0.87
Shaded boxes = near or greater than the variance				

**Table 5.3.1-1
Contaminated Sediment Inventory Left Un-dredged**

CU	All Cores ¹	Weighted Shoreline Cores ²
1*	1,163	1,163
2	76.3	67.7
3	12.7	13.5
4	32.2	33.0
5	18.5	18.5
6	217	216.5
7	38.6	37.9
8	53.6	52.4
17	4.68	4.7
18	19.0	19.0
Total Mass Left Behind	1,635	1,626
Total Mass Left Behind Excluding CU1	472	463
Total Mass Removed	20,016	20,016
Total Mass Removed Excluding CU1	19,463	19,463
Percentage Left Behind	8%	8%
Percentage Left Behind Excluding CU1	2%	2%

¹Assumes that all the cores have the same area of influence.

² Assumes that area of influence of the shoreline residual cores is half of the area of the influence of the off shore residual cores.

*For CU1 averaging the concentration of the residual cores sampled after Dredge Pass 5 and the volume estimated from the elevation of the dredge pits was used to calculate the mass of inventory left behind. Note that the volume accounts for the presence of bedrock encountered in CU1-1.

Table II-5.4.1-1
Summary of CU Response Actions

Certification Unit (CU)	CU Size (acres)	No. of Acres Backfilled	% of CU Acreage Backfilled	Response Actions		
				No. of dredging passes	No. of Acres Capped	% of CU Acreage Capped
1	3.4	0	0%	5	3.4	100%
2	5.1	1.6	32%	4	3.4	68%
3	4.9	3.7	75%	3	1.2	25%
4	4.5	1.0	21%	3	3.6	79%
5	4.8	3.9	82%	3	0.9	18%
6	4.9	3.6	73%	3	1.3	27%
7	4.7	3.8	80%	4	1.0	20%
8	4.9	3.5	70%	4	1.5	30%
17	5.0	5.0	100%	3	0.0	0%
18	6.0	4.9	82%	3	1.1	18%
Totals:						
	48.2	30.9	64%		17.3	36%
No. of CUs dredged:				10		
No. of CUs re-dredged:				10	100%	% of CUs dredge multiple times
No. of CUs re-dredged 1x:				0	0%	% of CUs re-dredged 1x
No. of CUs re-dredged 2x:				6	60%	% of CUs re-dredged 2x
No. of CUs re-dredged 3x:				3	30%	% of CUs re-dredged 3x
No. of CUs re-dredged 4x:				1	10%	% of CUs re-dredged 4x
No of Certification Units capped:				9	90%	% of CUs capped

Table II-5.4.4-1
Summary of CU Dredging

CU	Number of Dredge Passes	Number of Cores Sampled After the first Dredging Event	Nodes Sampled After the Last Dredge Event	Percent Decrease in Number of Nodes Sampled	Average Tri+ PCB Conc. After Last Dredge Event (ppm)	Median Tri+ PCB Conc. After Last Dredge Event (ppm)
1	4	43	32	26%	29	23
2	4	40	6	85%	10	4
3	3	47	10	79%	2	1
4	3	42	8	81%	6	1
5	3	28	7	75%	4	2
6	3	30	4	87%	5	2
7	4	41	2	95%	5	1
8	4	52	13	75%	4	1
17	3	40	5	88%	1	0
18	3	47	1	98%	3	1

**Table II-5.4.6-1
Summary of Shoreline Residual Cores**

CU	Total Number of Shoreline Locations	Total Number of Shoreline Cores	Shoreline Cores with TPCB Conc.= > 1 mg/kg	Percentage of Shoreline Cores with TPCB Conc. => 1 mg/kg	Shoreline Cores with TPCB Conc.= > 50 mg/kg	Percentage of Shoreline Cores with TPCB Conc.= > 50 mg/kg	Number of Capped Cores
1	3	9	3	33%	0	0%	3
2	5	11	11	100%	4	36%	3
3	8	10	5	50%	2	20%	1
4	2	4	2	50%	0	0%	0
5	0	0	0	NA	0	NA	0
6	0	0	0	NA	0	NA	0
7	3	7	7	100%	4	57%	1
8	11	16	15	93%	7	40%	4
17	0	0	0	NA	0	NA	0
18	0	0	0	NA	0	NA	0
Total	32	57	43	75%	17	29%	12