

Appendix F. Subsurface Core Analysis

<i>Table F-1.</i>	<i>Subsurface core analysis results for Reach 1 (RM 0.0 to RM 2.2)</i>	<i>1</i>
<i>Table F-2.</i>	<i>Subsurface core analysis results for Reach 2 (RM 2.2 to RM 4.0)</i>	<i>6</i>
<i>Table F-3.</i>	<i>Subsurface core analysis results for Reach 3 (RM 4.0 to RM 4.8)</i>	<i>12</i>
<i>Table F-4.</i>	<i>Cores not included in subsurface core analysis</i>	<i>13</i>

Table F-1. Subsurface core analysis results for Reach 1 (RM 0.0 to RM 2.2)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLECTION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
0	LDW Subsurface Sediment 2006	LDW-SC1		6	7	2006	1.3	0.042	1.9	1.7	1.3	0-2	3,400	1-1.5	6,700	Yes
												1-1.5	6,700			
												1.5-2	4,300			
0.1	LDW Subsurface Sediment 2006	LDW-SC2		12	4	2006	0.56	0.018	0.85	0.75	0.59	0-2	1,380	2-4	2,900	Yes
0.2	LDW Subsurface Sediment 2006	LDW-SC4		6	4	2006	0.76	0.025	1.1	1	0.8	0-1	143	2-4	600	Yes
												1-2	490			
0.2	LDW Subsurface Sediment 2006	LDW-SC5		4	3	2006	1.3	0.044	2	1.8	1.4	1-2.2	66	0-1	510	No
0.3	LDW Subsurface Sediment 2006	LDW-SC6		8	12	2006	1.1	0.037	1.7	1.5	1.2	0-2	172	4-4.5	2,600	Yes
												1-1.5	101			
												1.5-2	94			
0.4	Duw/Diag-2	DUD251 ^c	EAA 1	9	3	1996	1.1	0.036	1.3	1.1	0.79	0-3	2,090 J	0-3	2,090 J	Yes
0.4	Duw/Diag-2	DUD252 ^c	EAA 1	9	3	1996	2.1	0.068	2.5	2.1	1.5	0-3	80	0-3	80	Yes
0.4	LDW Subsurface Sediment 2006	LDW-SC7		4	3	2006	1.1	0.037	1.7	1.5	1.2	1-1.7	1,270 J	0-1	1,300	No
												1.7-4	5.5 U			
0.4	LDW Subsurface Sediment 2006	LDW-SC8		10	6	2006	1.1	0.037	1.7	1.5	1.2	1-2	1,030	4-6	5,500	Yes
0.5	EPA SI	DR008	EAA 1	4	2	1998	1.7	0.055	2.1	1.8	1.3	0-2	750	2-4	1,610	Yes
												2-4	1,610			
0.5	Duw/Diag-1	DUD006	EAA 1	4.9	7	1994	4	0.13	4.4	3.8	2.6	2.5-3	1,152	4.4-4.9	1,770	Yes
												3.5-4.4	1,250			
												4.4-4.9	1,770			
0.5	Duw/Diag-1	DUD020	EAA 1	3	5	1994	1.7	0.055	1.9	1.6	1.1	1-1.5	158 J	2.5-3	4,450	Yes
												1.5-2	441			

Table F-1, cont. Subsurface core analysis results for Reach 1 (RM 0.0 to RM 2.2)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLECTION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
0.5	Duw/Diag-2	DUD253 ^c	EAA 1	9	3	1996	1.1	0.037	1.3	1.1	0.81	0-3	500 J	6-9	7,000 J	Yes
0.5	Duw/Diag-2	DUD254 ^c	EAA 1	9	3	1996	4	0.13	4.7	4	2.9	0-3	790 J	3-6	5,600 J	Yes
												3-6	5,600 J			
0.5	Duw/Diag-2	DUD255 ^c	EAA 1	9	3	1996	1.2	0.039	1.4	1.2	0.85	0-3	1,050 J	0-3	7,700 J	Yes
												0-3	7,700 J			
0.5	Duw/Diag-2	DUD256 ^c	EAA 1	9	3	1996	1.7	0.055	2	1.7	1.2	0-3	890 J	3-6	1,670 J	Yes
0.5	Duw/Diag-2	DUD257 ^c	EAA 1	9	3	1996	1.2	0.04	1.4	1.2	0.87	0-3	163 J	0-3	163 J	Yes
0.5	Duw/Diag-2	DUD258 ^c		9	3	1996	1.5	0.048	1.7	1.5	1	0-3	690 J	0-3	690 J	Yes
0.5	LDW Subsurface Sediment 2006	LDW-SC9		4	3	2006	1.2	0.039	1.8	1.6	1.2	1-2.6	2,700	0-1	3,600	No
0.5	LDW Subsurface Sediment 2006	LDW-SC10		8	5	2006	1.5	0.048	2.2	2	1.5	1-2	290	2-4	1,120	Yes
												2-4	1,120			
0.5	LDW Subsurface Sediment 2006	LDW-SC11		4.1	4	2006	1.3	0.044	2	1.8	1.4	0.8-2	3.9 U	0-0.8	3,000	No
												2-3.4	3.9 U			
0.6	EPA SI	DR044		4	2	1998	1.7	0.056	2.1	1.8	1.3	0-2	230	2-4	1,900	Yes
												2-4	1,900			
0.6	Duw/Diag-2	DUD027 ^c	EAA 1	9	3	1996	1.3	0.043	1.6	1.3	0.95	0-3	1,800 J	0-3	1,800 J	Yes
0.6	Duw/Diag-2	DUD260		6	2	1996	1.5	0.048	1.7	1.5	1.1	0-3	1,340 J	0-3	1,340 J	Yes
0.6	Duw/Diag-2	DUD261 ^c	EAA 1	6	2	1996	1.3	0.042	1.5	1.3	0.93	0-3	13,200 J	3-6	21,000 J	Yes
0.6	Duw/Diag-2	DUD262 ^c	EAA 1	6	2	1996	1.5	0.051	1.8	1.6	1.1	0-3	3,520 J	0-3	3,520 J	Yes
0.6	LDW Subsurface Sediment 2006	LDW-SC12		8.7	12	2006	1.7	0.056	2.6	2.3	1.8	0-2	350	2-2.5	2,000 J	Yes
												1.5-2	320			
												2-2.5	2,000 J			
												2-4	2,500			
												2.5-3	630			
0.9	EPA SI	DR021		4	2	1998	1.7	0.055	2.1	1.8	1.3	0-2	520	2-4	4,000	Yes

Table F-1, cont. Subsurface core analysis results for Reach 1 (RM 0.0 to RM 2.2)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLECTION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
												2-4	4,000			
0.9	LDW Subsurface Sediment 2006	LDW-SC13		4	9	2006	1.6	0.053	2.4	2.2	1.7	0-2	480	0.5-1	470	No
												1.5-2	360			
												2-2.5	120			
												2-4	53			
0.9	LDW Subsurface Sediment 2006	LDW-SC14		11	6	2006	0	0	0	0	0	0-1.4	4,500	0-1.4	4,500	Yes
0.9	LDW Subsurface Sediment 2006	LDW-SC15		10	5	2006	1.7	0.055	2.5	2.3	1.8	1-2	340 J	4-6	1,950	Yes
												2-4	510			
1	LDW Subsurface Sediment 2006	LDW-SC16		10	4	2006	1.9	0.062	2.9	2.6	2	2-4	5,400	2-4	5,400	Yes
1	LDW Subsurface Sediment 2006	LDW-SC17		8.6	4	2006	1.9	0.062	2.9	2.5	2	2-4	9,800	2-4	9,800	Yes
1	LDW Subsurface Sediment 2006	LDW-SC19		11.9	6	2006	1.5	0.049	2.3	2	1.6	1-2	233	6-7	2,400	Yes
												2-4	250			
1	LDW Subsurface Sediment 2006	LDW-SC20		10	4	2006	1.4	0.046	2.1	1.9	1.5	0-2	3,200	0-2	3,200	Yes
												2-4	600			
1	LDW Subsurface Sediment 2006	LDW-SC21		11.3	5	2006	1.5	0.051	2.3	2.1	1.6	1-2	145	4-6.2	1,680	Yes
												2-4	380 J			
1.1	LDW Subsurface Sediment 2006	LDW-SC22		4	3	2006	2.3	0.074	3.4	3.1	2.4	2-4	7.8 J	0-1.1	56	No
1.2	EPA SI	DR025		4	2	1998	2.5	0.08	3.1	2.7	1.9	0-2	290	2-4	1,150	Yes
												2-4	1,150			
1.2	LDW Subsurface Sediment 2006	LDW-SC23		10.2	5	2006	2.5	0.08	3.7	3.3	2.6	2-4	219	4-6	880	Yes
1.2	LDW Subsurface Sediment 2006	LDW-SC24		4	3	2006	1.8	0.059	2.7	2.4	1.9	1-2	36	0-1	280	No

Table F-1, cont. Subsurface core analysis results for Reach 1 (RM 0.0 to RM 2.2)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLECTION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
												2-4	3.9 U			
1.3	EPA SI	DR054		4	2	1998	2	0.065	2.5	2.1	1.6	0-2	250	2-4	750	Yes
												2-4	750			
1.3	LDW Subsurface Sediment 2006	LDW-SC25		9.1	5	2006	2	0.065	3	2.7	2.1	2-4	430	4-6	800 J	Yes
1.4	LDW Subsurface Sediment 2006	LDW-SC26		12.1	5	2006	2	0.065	3	2.7	2.1	2-4	310	6-8	2,300	Yes
1.4	LDW Subsurface Sediment 2006	LDW-SC27		4.5	11	2006	2.6	0.084	3.9	3.5	2.7	2-4.5	250 J	1-1.5	3,200	No
												2.5-3	290			
												3.5-4	3.9 U			
1.4	LDW Subsurface Sediment 2006	LDW-SC28		12.6	5	2006	1.9	0.063	2.9	2.6	2	2-4	290	5.5-7.5	3,200	Yes
1.4	LDW Subsurface Sediment 2006	LDW-SC29		3.6	3	2006	2.5	0.083	3.8	3.4	2.7	2-3.6	3.9 U	0-1	33 J	No
1.6	Lone Star-Hardie Gypsum	c-4 ^c		12	2	1995	2.4	0.077	2.7	2.3	1.6	0-4	71	0-4	71	Yes
1.7	LDW Subsurface Sediment 2006	LDW-SC32		8	4	2006	2.5	0.081	3.7	3.3	2.6	2-4	2,450	2-4	2,450	Yes
1.9	LDW Subsurface Sediment 2006	LDW-SC33		10	10	2006	2.7	0.09	4.1	3.7	2.9	2-4	420	1-1.5	4,700	No
												2.5-3	940			
												4-6	280			
1.9	LDW Subsurface Sediment 2006	LDW-SC34		4	3	2006	0.26	0.0085	0.39	0.35	0.27	0-1	210	1-2	280	Yes
1.9	LDW Subsurface Sediment 2006	LDW-SC35		4	2	2006	3.1	0.1	4.7	4.2	3.3	2-4	150 J	0-2	370 J	No
1.9	LDW Subsurface Sediment 2006	LDW-SC201 ^d		10	4	2006	2.6	0.085	3.9	3.5	2.7	1.5-4	530 J	0-1.5	1,450	No
1.9	LDW Subsurface Sediment 2006	LDW-SC203 ^e		6	4	2006	0.26	0.0085	0.39	0.35	0.27	0-1	250	0-1	250	Yes
2.1	EPA SI	DR106		4	2	1998	2.3	0.075	2.9	2.5	1.8	0-2	61	0-2	61	Yes
												2-4	0.1 U			

Table F-1, cont. Subsurface core analysis results for Reach 1 (RM 0.0 to RM 2.2)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLECTION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
2.1	EPA SI	DR112		4	2	1998	3.9	0.13	4.9	4.2	3.1	2-4	330	2-4	330	Yes
2.1	LDW Subsurface Sediment 2006	LDW-SC36		4	3	2006	2.3	0.075	3.5	3.1	2.4	2-4	3.8 U	0-1	75	No
2.1	LDW Subsurface Sediment 2006	LDW-SC37		6.9	4	2006	1.8	0.059	2.7	2.4	1.9	1-2	950 J	1-2	950 J	Yes
												2-4	550			
2.1	LDW Subsurface Sediment 2006	LDW-SC202 ^f		4	3	2006	2.3	0.075	3.5	3.1	2.4	2-4	3.9 UJ	0-1	30	No
2.2	LDW Subsurface Sediment 2006	LDW-SC39		6	4	2006	3.3	0.11	5	4.4	3.5	2-4	220	1-2	440	No
												4-6	150			

^a Equation 4-2: $D = (T_c - T_m) \times S$, where D = predicted depth (ft), T_c = collection year, T_m = assumed year of peak use, S = sedimentation rate (ft/yr); D was calculated using three assumptions of peak use: 1960, 1965, and 1974. The predicted depth (D) may be located in more than one interval because it is calculated using three different dates.

^b If samples were out of the model domain, the sedimentation rate of the nearest model cell was used.

^c These cores had ≥ 3 ft sampling intervals in the portion of the core near the estimated and actual peak depths. They were excluded in the uncertainty analysis conducted in Section 4.3 (see Table 4-95). These cores were consistent with the STM; however, because of the larger intervals, their interpretation is more uncertain. ^d Field replicate of LDW-SC33.

^e Field replicate of LDW-SC34.

^f Field replicate of LDW-SC36.

Table F-2. Subsurface core analysis results for Reach 2 (RM 2.2 to RM 4.0)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLEC-TION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
2.2	EPA SI	DR137		4	2	1998	3.3	0.11	4.1	3.6	2.6	2-4	730 J	2-4	730 J	Yes
2.3	LDW Subsurface Sediment 2006	LDW-SC40	EAA 2	4	3	2006	2.8	0.091	4.2	3.7	2.9	2-4	3.9 UJ	0-1.3	160 J	No
2.4	LDW Subsurface Sediment 2006	LDW-SC41		7.9	5	2006	2	0.067	3.1	2.7	2.1	2-4	270	4-6	510	Yes
2.5	EPA SI	DR171		4	2	1998	4.9	0.16	6.1	5.3	3.9	2-4	270	2-4	270	Yes
2.7	LDW Subsurface Sediment 2006	LDW-SC44		4	10	2006	0.21	0.0069	0.32	0.28	0.22	0-0.5	260	0.5-1	880 J	Yes
												0-2	510			
2.8	LDW Subsurface Sediment 2006	LDW-SC45		6	4	2006	4.8	0.16	7.3	6.5	5.1	5-6	122	2-4	570	No
2.8	Slip4-EarlyAction	SC01	EAA 3	6	3	2004	1.9	0.062	2.7	2.4	1.9	0-2	35,000	0-2	35,000	Yes
												2-4	780			
2.8	Slip4-EarlyAction	SC02	EAA 3	6	3	2004	1.9	0.062	2.7	2.4	1.9	0-2	1,200 J	4-6	10,900	Yes
												2-4	8,200 N			
2.8	Slip4-EarlyAction	SC03	EAA 3	6	3	2004	1.9	0.062	2.7	2.4	1.9	0-2	560 N	4-6	15,000	Yes
												2-4	4,800 N			
2.8	Slip4-EarlyAction	SC04	EAA 3	6	3	2004	1.9	0.062	2.7	2.4	1.9	0-2	14,000 J	0-2	14,000 J	Yes
												2-4	9,700			
2.8	Slip4-EarlyAction	SC05	EAA 3	6	3	2004	1.9	0.062	2.7	2.4	1.9	0-2	1,300	0-2	1300	Yes
												2-4	27			
2.9	DSOAvertchar	DUW108	EAA 4	6.6	3	2001	2.1	0.069	2.8	2.5	1.9	2-2.8	132	2-2.8	132	Yes
2.9	Slip4-EarlyAction	SC07	EAA 3	6	3	2004	1.9	0.062	2.7	2.4	1.9	0-2	6,900 J	2-4	7,300	Yes
												2-4	7,300			
3	DSOAvertchar	DUW111	EAA 4	4.7	3	2001	2.3	0.075	3.1	2.7	2	2-3	840	2-3	840	Yes
												3-3.7	320			
3	DSOAvertchar2	DUW140	EAA 4	3.5	2	2003	2.3	0.075	3.2	2.9	2.2	2-3	450	2-3	450	Yes
												3-3.5	14 J			
3	LDW Subsurface Sediment 2006	LDW-SC47		4	4	2006	0.02	0.00066	0.03	0.027	0.021	0-1	72 J	1-2	2,000	Yes
3.1	DSOAvertchar	DUW113	EAA 4	5	3	2001	1.7	0.054	2.2	2	1.5	2-2.8	840	2-2.8	840	Yes
3.1	DSOAvertchar2	DUW142	EAA 4	3.3	2	2003	2.3	0.075	3.2	2.9	2.2	2-2.7	670	2-2.7	670	Yes

Table F-2, cont. Subsurface core analysis results for Reach 2 (RM 2.2 to RM 4.0)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLEC-TION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
												3-3.3	128			
3.1	DSOAvertchar2	DUW144	EAA 4	4.8	3	2003	1.7	0.054	2.3	2.1	1.6	2-2.8	1,300	2-2.8	1,300	Yes
3.1	DSOAvertchar2	DUW145	EAA 4	4.6	3	2003	1.7	0.054	2.3	2.1	1.6	2-2.6	760	2-2.6	760	Yes
3.1	Plant 2 RFI-2b	SD-01001 ^c	EAA 4	5.6	2	1996	0.18	0.0059	0.21	0.18	0.13	0-4	2,300	0-4	2,300	Yes
3.1	Plant 2 RFI-2b	SD-DUW04 ^c	EAA 4	5	2	1996	1.7	0.054	2	1.7	1.2	0-4	1,790	0-4	1,790	Yes
3.2	DSOAvertchar	DUW115	EAA 4	7	4	2001	1.7	0.054	2.2	2	1.5	2-3	3,400	2-3	3,400	Yes
3.2	DSOAvertchar	DUW117	EAA 4	7	4	2001	2.6	0.085	3.5	3	2.3	2-3	14,400	2-3	14,400	Yes
3.2	DSOAvertchar2	DUW146	EAA 4	4.6	3	2003	1.7	0.054	2.3	2.1	1.6	2-3	1,430 J	2-3	1,430 J	Yes
3.2	DSOAvertchar2	DUW147	EAA 4	4.1	3	2003	1.7	0.054	2.3	2.1	1.6	2-3	2,300	2-3	2,300	Yes
3.2	DSOAvertchar2	DUW149	EAA 4	4	2	2003	2.6	0.085	3.6	3.2	2.5	2-3	350	2-3	350	Yes
												3-4	38 U			
3.2	Plant 2 RFI-2b	SD-DUW06 ^c	EAA 4	12	3	1996	2.6	0.085	3	2.6	1.9	0-4	2,100 J	0-4	2,100 J	Yes
3.3	DSOAvertchar3	DUW168	EAA 4	5	3	2004	2.6	0.085	3.7	3.3	2.5	2-3	2,300	2-3	2,300	Yes
												3-3.8	112			
3.3	LDW Subsurface Sediment 2006	LDW-SC48		4	3	2006	2.1	0.067	3.1	2.8	2.2	2-4	3.9 U	0-1	77	No
3.3	South Park Bridge	SB-5		7.5	3	2003	3.2	0.1	4.5	4	3	2.5-5	1,720	2.5-5	1,720	Yes
3.3	Plant 2 RFI-2b	SD-DUW07 ^c	EAA 4	9.7	3	1996	2.6	0.085	3	2.6	1.9	0-1.9	4,400	0-1.9	4,400	Yes
												1.9-7.1	510			
3.3	Plant 2 RFI-2b	SD-DUW34 ^c	EAA 4	5.9	2	1996	0.09	0.003	0.11	0.092	0.065	0-1.9	11,300	0-1.9	11,300	Yes
3.4	DSOAvertchar	DUW122	EAA 4	5	3	2001	2.5	0.08	3.3	2.9	2.2	2-3	260	2-3	260	Yes
												3-4	65			
3.4	DSOAvertchar	DUW124	EAA 4	7	4	2001	2.5	0.08	3.3	2.9	2.2	2-2.5	30,000	2-2.5	30,000	Yes
3.4	Plant 2 RFI-2b	SD-DUW26 ^c	EAA 4	7.2	2	1996	2.9	0.096	3.5	3	2.1	0-4	9,600	0-4	9,600	Yes
3.4	Plant 2 RFI-2b	SD-DUW39 ^c	EAA 4	8	2	1996	0.09	0.003	0.11	0.092	0.065	0-4	5,700	0-4	5,700	Yes
3.5	Plant 2 RFI-1	SD-04901	EAA 4	3	2	1995	3.1	0.1	3.5	3	2.1	1.5-3	66 J	0.3-1.5	350	No
3.5	Plant 2 RFI-1	SD-04902	EAA 4	3	2	1995	3.1	0.1	3.5	3	2.1	1.5-3	250	0.3-1.5	370	No
3.5	Plant 2 RFI-1	SD-04903	EAA 4	3	2	1995	3.1	0.1	3.5	3	2.1	1.5-3	2,500	0.3-1.5	3,000	No

Table F-2, cont. Subsurface core analysis results for Reach 2 (RM 2.2 to RM 4.0)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLEC-TION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
3.5	Plant 2 RFI-1	SD-04904	EAA 4	3	2	1995	3.1	0.1	3.5	3	2.1	1.5-3	10,000 J	1.5-3	10,000 J	Yes
3.5	Plant 2 RFI-2b	SD-DUW13 ^c	EAA 4	7.6	2	1996	2.9	0.096	3.5	3	2.1	0-4	1,800	4-7.6	1,900	Yes
3.5	Plant 2 RFI-2b	SD-DUW13D ^c	EAA 4	12.8	3	1996	2.9	0.096	3.5	3	2.1	0-4	14,000 J	0-4	14,000 J	Yes
3.5	Plant 2 RFI-2b	SD-DUW28 ^c	EAA 4	6.9	2	1996	2.9	0.096	3.5	3	2.1	1.9-6.9	78 J	0-1.9	13,000	No
3.5	Plant 2 RFI-2b	SD-DUW47 ^c	EAA 4	8.4	2	1996	2.9	0.096	3.5	3	2.1	0-4.4	42 U	0-4.4	110	Yes
												0-4.4	110			
3.5	Plant 2 RFI-2b	SD-DUW51 ^c	EAA 4	6.6	2	1996	3.5	0.11	4.1	3.5	2.5	0-2.6	3,400	0-2.6	3,500	Yes
												0-2.6	3,500			
												2.6-6.6	41 U			
												2.6-6.6	42 U			
3.5	Plant 2 RFI-2b	SD-DUW52 ^c	EAA 4	14.5	4	1996	3.5	0.11	4.1	3.5	2.5	0-4	18,000	0-4	18,000	Yes
												4-8	540			
3.5	DSOAvertchar	DUW94	EAA 4	6	2	2001	3.1	0.1	4.1	3.6	2.7	4-5	5,500	4-5	5,500	Yes
3.5	DSOAvertchar	DUW96	EAA 4	8.6	3	2001	3.1	0.1	4.1	3.6	2.7	4-5	6,400	4-5	6,400	Yes
3.5	DSOAvertchar	DUW98	EAA 4	8.5	4	2001	3.1	0.1	4.1	3.6	2.7	2-3	36	2-3	36	Yes
												4-5	40 U			
3.5	DSOAvertchar	DUW99	EAA 4	2.8	2	2001	3.1	0.1	4.1	3.6	2.7	1-2.8	25,000 JN	0-0.9	51,000	No
3.5	DSOAvertchar	DUW102	EAA 4	3.3	3	2001	3.1	0.1	4.1	3.6	2.7	2-3.3	37	0-0.6	1,080	No
3.5	DSOAvertchar	DUW128	EAA 4	9.4	6	2001	2.9	0.096	3.9	3.5	2.6	3-3.8	370	2-2.6	810	Yes
3.5	DSOAvertchar	DUW132	EAA 4	9	5	2001	3.1	0.1	4.1	3.6	2.7	2-3	1,180	2-3	1,180	Yes
												3-4	670			
												4-5	48 J			
3.5	LDW Subsurface Sediment 2006	LDW-SC49a		10	6	2006	2.3	0.074	3.4	3	2.4	2-4	420	6-8	810	Yes
3.6	Plant 2 RFI-2b	SD-DUW15 ^c	EAA 4	9.1	3	1996	3.5	0.11	4.1	3.5	2.5	0-4	8,500	0-4	8,500	Yes
												4-8	1,190			
3.6	Plant 2 RFI-2b	SD-DUW16	EAA 4	7.6	2	1996	2.3	0.074	2.7	2.3	1.6	0-3.6	7,600	0-3.6	7,600	Yes
3.6	Plant 2 RFI-2b	SD-DUW53 ^c	EAA 4	15.9	4	1996	3.5	0.11	4.1	3.5	2.5	0-4	3,900	0-4	3,900	Yes
												4-8	2,300			

Table F-2, cont. Subsurface core analysis results for Reach 2 (RM 2.2 to RM 4.0)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLEC-TION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
3.6	T117BoundaryDefinition	T117-SE-16-SC	EAA 5	10	7	2003	8.7	0.28	12	11	8.3	8-10	69	0-0.9	3,400	No
3.6	T117BoundaryDefinition	T117-SE-17-SC	EAA 5	10	6	2003	8.7	0.28	12	11	8.3	8-10	20 U	0-1	3,700	No
3.6	T117BoundaryDefinition	T117-SE-20-SC	EAA 5	10	6	2003	6.9	0.23	9.7	8.6	6.5	6-8	18 J	0-1	2,800	No
												8-10	118			
3.6	T117BoundaryDefinition	T117-SE-21-SC	EAA 5	10	6	2003	6.9	0.23	9.7	8.6	6.5	6-8	20 U	0-1	16,000	No
												8-10	20 U			
3.6	T117BoundaryDefinition	T117-SE-24-SC	EAA 5	10	6	2003	6.9	0.23	9.7	8.6	6.5	6-8	68 J	0-1	1,310	No
												8-10	45 J			
3.6	T117BoundaryDefinition	T117-SE-25-SC	EAA 5	10	6	2003	0.14	0.0046	0.2	0.17	0.13	0-1	2,000	0-1	2,000	Yes
3.6	T117BoundaryDefinition	T117-SE-30-SC	EAA 5	10	6	2003	4.6	0.15	6.5	5.8	4.4	4-6	19 U	0-1	990	No
												6-8	19 U			
3.6	T117BoundaryDefinition	T117-SE-31-SC	EAA 5	10	6	2003	0.01	0.00033	0.014	0.012	0.0095	0-1	51,000	0-1	51,000	Yes
3.6	T117BoundaryDefinition	T117-SE-36-SC	EAA 5	10	6	2003	4.6	0.15	6.5	5.8	4.4	4-6	19 U	0-1	168 J	No
												6-8	19 U			
3.6	T117BoundaryDefinition	T117-SE-37-SC	EAA 5	10	6	2003	0.01	0.00033	0.014	0.012	0.0095	0-1	3,100	0-1	3,100	Yes
3.6	DSOAvertchar	DUW133	EAA 4	5.7	3	2001	3.5	0.11	4.7	4.1	3.1	4-4.9	310	2-2.7	16,000	No
3.6	DSOAvertchar	DUW134	EAA 4	7	4	2001	2.3	0.074	3.1	2.7	2	2-3	29,000 J	2-3	29,000 J	Yes
												3-4	9,100			
3.6	DSOAvertchar	DUW135	EAA 4	6.8	4	2001	3.5	0.11	4.7	4.1	3.1	4-5	1,700	4-5	1,700	Yes
3.6	Plant 2-TransformerPhase1	SD-DUW153	EAA 4	5.8	4	2003	3.5	0.11	4.9	4.4	3.3	2-4	6,200	0-1	108,000	No
												4-5	1,740			
3.6	Plant 2-TransformerPhase1	SD-DUW154	EAA 4	7.8	5	2003	2.3	0.074	3.2	2.8	2.2	2-4	1,390	2-4	1,390	Yes
3.6	Plant 2-TransformerPhase1	SD-DUW155	EAA 4	7.9	5	2003	2.3	0.074	3.2	2.8	2.2	2-3.7	3,100	2-3.7	3,100	Yes
3.6	Plant 2-TransformerPhase1	SD-DUW156	EAA 4	5.8	4	2003	2.3	0.074	3.2	2.8	2.2	2-3	370 J	4-4.8	1,230	Yes
3.6	Plant 2-TransformerPhase1	SD-DUW157	EAA 4	6	4	2003	2.3	0.074	3.2	2.8	2.2	2-3	130 UJ	0-1	30,000	No
												3-4	510 U			
3.6	Plant 2-TransformerPhase1	SD-DUW158	EAA 4	4.9	3	2003	2.3	0.074	3.2	2.8	2.2	2-2.9	180	0-1	5,000	No
3.6	Plant 2-TransformerPhase1	SD-DUW159	EAA 4	5	3	2003	2.3	0.074	3.2	2.8	2.2	2-2.8	380	0-1	2,300	No

Table F-2, cont. Subsurface core analysis results for Reach 2 (RM 2.2 to RM 4.0)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLEC-TION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
3.6	Plant 2-TransformerPhase1	SD-DUW160	EAA 4	4.6	3	2003	2.3	0.074	3.2	2.8	2.2	2-3	390	0-0.9	3,100	No
3.6	Plant 2-TransformerPhase1	SD-DUW161	EAA 4	5	2	2003	2.3	0.074	3.2	2.8	2.2	2-3	32	2-3	32	Yes
3.6	Plant 2-TransformerPhase1	SD-DUW162	EAA 4	4.6	3	2003	2.3	0.074	3.2	2.8	2.2	2-3	13,500	2-3	13,500	Yes
3.6	Plant 2-TransformerPhase1	SD-DUW163	EAA 4	5.1	3	2003	2.3	0.074	3.2	2.8	2.2	2-2.6	40 U	0-0.7	1,080	No
3.6	JorgensenApril2004	SD-201	EAA 4	5.7	6	2004	3.5	0.11	5	4.5	3.4	3-4	320	2-3	3,400	No
												4-5	220			
												5-5.7	50			
3.6	JorgensenApril2004	SD-204	EAA 4	8.7	9	2004	3.7	0.12	5.4	4.8	3.7	3-4	7,600	3-4	7,600	Yes
												4-5	4,800			
												5-6	4,700			
3.6	JorgensenAugust2004	SD-319-C	EAA 4	4	3	2004	3.7	0.12	5.4	4.8	3.7	3-4	13 U	2-3	132.9	No
3.7	T117BoundaryDefinition	T117-SE-42-SC	EAA 5	10	6	2003	4.6	0.15	6.5	5.8	4.4	4-6	19 U	0-1	470	No
												6-8	20 U			
3.7	JorgensenApril2004	SD-211	EAA 4	7	7	2004	2.9	0.094	4.1	3.7	2.8	2-3	1,540 J	3-4	1,660	Yes
												3-4	1,660			
												4-4.8	650			
3.7	JorgensenApril2004	SD-216	EAA 4	7.7	8	2004	4.8	0.16	6.9	6.1	4.7	4-5	480	6-7	1,290	Yes
												6-7	1,290			
3.7	JorgensenApril2004	SD-217	EAA 4	5.6	6	2004	2.9	0.094	4.1	3.7	2.8	2-2.9	280	1-1.9	690	No
												3-3.7	460			
												4-4.5	34			
3.7	JorgensenAugust2004	SD-313-C	EAA 4	4	3	2004	2.9	0.094	4.1	3.7	2.8	2-3	12 U	1-2	64.2	No
												3-4	120 U			
3.7	JorgensenAugust2004	SD-314-C	EAA 4	3.3	3	2004	2.9	0.094	4.1	3.7	2.8	2-3	580 U	3-3.3	220 J	Yes
												3-3.3	220 J			
3.7	JorgensenAugust2004	SD-320-C	EAA 4	4	3	2004	3.7	0.12	5.4	4.8	3.7	3-4	240	1-2	1,480	No
3.7	JorgensenAugust2004	SD-323-C	EAA 4	4	3	2004	3.7	0.12	5.4	4.8	3.7	3-4	1.2 J	1-2	792	No
3.8	EPA SI	DR220		4	2	1998	2.2	0.072	2.7	2.4	1.7	0-2	830	0-2	830	Yes

Table F-2, cont. Subsurface core analysis results for Reach 2 (RM 2.2 to RM 4.0)

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
						COLLEC-TION YEAR (T _c)	SED RATE FROM STM ^b (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
												2-4	230			
3.8	LDW Subsurface Sediment 2006	LDW-SC50a		4	4	2006	0.06	0.002	0.091	0.081	0.063	0-1	510	1-2	780	Yes
3.8	LDW Subsurface Sediment 2006	LDW-SC51	EAA 6	5.8	3	2006	2.3	0.075	3.4	3.1	2.4	2-3.8	700	0-2	1,290	No
3.9	LDW Subsurface Sediment 2006	LDW-SC52		4	3	2006	1.7	0.054	2.5	2.2	1.7	1-2	65	0-1	3,000 J	No
												2-4	4 U			

^a Equation 4-2: $D = (T_c - T_m) \times S$, where D = predicted depth (ft), T_c = collection year, T_m = assumed year of peak use, S = sedimentation rate (ft/yr); D was calculated using three assumptions of peak use: 1960, 1965, and 1974. The predicted depth (D) may be located in more than one interval because it is calculated using three different dates.

^b If samples were out of the model domain, the sedimentation rate of the nearest model cell was used.

^c These cores had ≥ 3 ft sampling intervals in the portion of the core near the estimated and actual peak depths. They were excluded in the uncertainty analysis conducted in Section 4.3 (see Table 4-95). These cores were consistent with the STM; however, because of the larger intervals, their interpretation is more uncertain.

Table F-3. Subsurface core analysis results for Reach 3 (RM 4.0 to RM 4.8)

RM	EVENT	LOCATION NAME	TOTAL CORE DEPTH (ft)	NO. OF SAMPLED INTERVALS	INPUT PARAMETERS FOR EQUATION 4-2 ^a			DEPTH (D) OF PEAK TOTAL PCB CONCENTRATION PREDICTED FROM EQUATION 4-2			ANALYZED INTERVAL WITH EXPECTED PEAK CONCENTRATION (I.E., INTERVAL WITHIN WHICH D FALLS) AND ITS ACTUAL TOTAL PCB CONCENTRATION		ANALYZED INTERVAL WITH ACTUAL PEAK TOTAL PCB CONCENTRATION		CONSISTENT WITH STM?
					COLLECTION YEAR (Tc)	SED RATE FROM STM (cm/yr)	SED RATE (S) (ft/yr)	SED ACCUM SINCE 1960 (ft)	SED ACCUM SINCE 1965 (ft)	SED ACCUM SINCE 1974 (ft)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	INTERVAL (ft)	CONCENTRATION (µg/kg dw)	
4.2	LDW Subsurface Sediment 2006	LDW-SC53	4	2	2006	2.2	0.071	3.3	2.9	2.3	2-4	77	2-4	77	Yes

^a Equation 4-2: $D = (T_c - T_m) \times S$, where D = predicted depth (ft), T_c = collection year, T_m = assumed year of peak use, S = sedimentation rate (ft/yr); D calculated using three assumptions of peak use: 1960, 1965, and 1974.

Table F-4. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	No PCBs DETECTED IN CORE
Reach 1						
0.2	LDW Subsurface Sediment 2006	LDW-SC3				X
0.3	EPA SI	DR068			X	
0.4	Duw/Diag-2	DUD250			X	
0.6	Duw/Diag-2	DUD206			X	X
1	LDW Subsurface Sediment 2006	LDW-SC18		X		
1.6	LDW Subsurface Sediment 2006	LDW-SC30		X		
1.7	LDW Subsurface Sediment 2006	LDW-SC31		X		
1	Lehigh NW	C2			X	
1	Lehigh NW	C3			X	
1.1	Lehigh NW	A1			X	
1.4	Glacier NW	SCDMMU3			X	
1.5	Lone Star 92	C-1			X	
1.5	Glacier NW	SCDMMU1			X	
1.5	Glacier NW	SCDMMU2			X	
1.5	Glacier NW	SCDMMU2R			X	X
1.6	Hardie Gypsum-1	1		X	X	
1.6	Hardie Gypsum-1	2		X	X	
1.6	Hardie Gypsum-2	A		X	X	
1.6	Hardie Gypsum-2	B		X	X	
1.6	Hardie Gypsum-2	2b		X	X	
1.6	Lone Star-Hardie Gypsum	c-3			X	
1.7	EPA SI	DR101				X
1.7	Hardie Gypsum-1	3		X	X	
1.7	Hardie Gypsum-1	4		X	X	
1.7	Hardie Gypsum-1	5		X	X	

Table F-4, cont. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	No PCBs DETECTED IN CORE
1.7	Hardie Gypsum-2	C			X	
1.7	Hardie Gypsum-2	D		X	X	
1.7	Hardie Gypsum-2	E		X	X	
1.7	Hardie Gypsum-2	3		X	X	
1.7	Hardie Gypsum-2	4		X	X	
1.7	Hardie Gypsum-2	5.2		X	X	
1.7	Lone Star-Hardie Gypsum	c-1			X	
1.7	Lone Star-Hardie Gypsum	c-2			X	
1.8	PSDDA99	S1			X	
1.8	PSDDA99	S2			X	
1.8	PSDDA99	S3			X	
1.8	PSDDA99	S4			X	
1.8	PSDDA99	S5			X	
1.9	PSDDA99	S6			X	
1.9	PSDDA99	S7			X	
1.9	PSDDA99	S8			X	
1.9	PSDDA99	S9			X	
1.9	PSDDA99	S10			X	
1.9	PSDDA99	B1			X	
2	PSDDA99	S11			X	
2	PSDDA99	S12			X	
2.1	PSDDA99	B2			X	
2.1	LDW Subsurface Sediment 2006	LDW-SC38a			X	
2.1	LDW Subsurface Sediment 2006	LDW-SC38b			X	
Reach 2						
2.2	PSDDA99	S13			X	
2.4	Hurlen-Boyer	C5		X	X	

Table F-4, cont. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	No PCBs DETECTED IN CORE
2.4	PSDDA99	S14			X	
2.5	Hurlen-Boyer	C6		X	X	
2.5	PSDDA99	S15			X	
2.5	BoyerTowing	WRC-SS-B1		X	X	X
2.5	BoyerTowing	WRC-SS-B2		X	X	X
2.5	BoyerTowing	WRC-SS-B3		X	X	X
2.5	LDW Subsurface Sediment 2006	LDW-SC42			X	
2.6	PSDDA99	S16			X	
2.6	LDW Subsurface Sediment 2006	LDW-SC43			X	X
2.7	LDW Subsurface Sediment 2006	LDW-SC46		X		
2.7	Hurlen-Boyer	C1		X	X	
2.7	Hurlen-Boyer	C2		X	X	
2.7	Hurlen-Boyer	C3		X	X	
2.8	Slip4-Crowley	DMMU 1			X	
2.8	Slip4-Crowley	DMMU 2			X	
2.8	Slip4-Crowley	DMMU 3			X	
2.8	Slip4-Crowley	DMMU 4			X	
2.8	Slip4-EarlyAction	SC06		X		
2.8	Hurlen-Boyer	C4		X	X	
2.9	DSOAvertchar	DUW106	EAA 4			X
2.9	DSOAvertchar	DUW107	EAA 4		X	
2.9	DSOAvertchar2	DUW137	EAA 4		X	
2.9	DSOAvertchar2	DUW138	EAA 4		X	X
3	EPA SI	DR224				X
3	DSOAvertchar	DUW109	EAA 4		X	X
3	DSOAvertchar	DUW110	EAA 4		X	
3	PSDDA99	S17			X	
3	DSOAvertchar2	DUW139	EAA 4		X	

Table F-4, cont. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	No PCBs DETECTED IN CORE
3	DSOAvertchar2	DUW141	EAA 4		X	X
3.1	DSOAvertchar	DUW112	EAA 4		X	
3.1	DSOAvertchar	DUW114	EAA 4		X	X
3.1	DSOAvertchar	DUW136	EAA 4		X	X
3.1	DSOAvertchar2	DUW143	EAA 4		X	
3.1	DSOAvertchar3	DUW166	EAA 4		X	X
3.1	DSOAvertchar3	DUW167	EAA 4		X	
3.2	DSOAvertchar	DUW116	EAA 4		X	
3.2	PSDDA99	S18			X	
3.2	DSOAvertchar2	DUW148	EAA 4		X	X
3.2	DSOAvertchar2	DUW150	EAA 4		X	X
3.2	DSOAvertchar2	DUW152	EAA 4		X	X
3.2	DSOAvertchar3	DUW147R	EAA 4		X	X
3.3	Plant 2 RFI-1	SD-04107	EAA 4		X	
3.3	DSOAvertchar	DUW118	EAA 4		X	
3.3	DSOAvertchar	DUW119	EAA 4			X
3.3	DSOAvertchar	DUW120	EAA 4		X	X
3.3	DSOAvertchar	DUW121	EAA 4		X	X
3.3	DSOAvertchar3	DUW169	EAA 4		X	X
3.3	South Park Bridge	SB-4	EAA 4		X	
3.4	SouthParkMarina	1 & 2		X	X	
3.4	SouthParkMarina	3 & 4		X	X	
3.4	DSOAvertchar	DUW123	EAA 4		X	
3.4	DSOAvertchar	DUW125	EAA 4		X	X
3.4	DSOAvertchar	DUW126	EAA 4		X	
3.5	Plant 2 RFI-1	SD-04402	EAA 4		X	
3.5	Plant 2 RFI-1	SD-04405	EAA 4		X	
3.5	Plant 2 RFI-1	SD-04905	EAA 4		X	

Table F-4, cont. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	No PCBs DETECTED IN CORE
3.5	Plant 2 RFI-1	SD-04920	EAA 4		X	
3.5	EPA SI	DR206	EAA 5		X	
3.5	T117BoundaryDefinition	T117-SE-70-SC	EAA 5		X	
3.5	T117BoundaryDefinition	T117-SE-71-SC	EAA 5		X	
3.5	T117BoundaryDefinition	T117-SE-72-SC	EAA 5		X	
3.5	DSOAvertchar	DUW103	EAA 4		X	
3.5	DSOAvertchar	DUW127	EAA 4			X
3.5	DSOAvertchar	DUW129	EAA 4		X	
3.5	DSOAvertchar	DUW130	EAA 4			X
3.5	DSOAvertchar	DUW131	EAA 4			X
3.5	PSDDA98	1		X	X	
3.5	T117BoundaryDefinition	T117-SE-91-SC			X	
3.5	T117BoundaryDefinition	T117-SE-93-SC			X	
3.5	T117BoundaryDefinition	T117-SE-COMP1-SC			X	
3.5	T117BoundaryDefinition	T117-SE-COMP2and3-SC	EAA 5		X	
3.5	T117BoundaryDefinition	T117-SE-COMP4-SC			X	
3.6	Plant 2-TransformerPhase1	SD-DUW164	EAA 4		X	
3.6	Plant 2-TransformerPhase1	SD-DUW165	EAA 4		X	
3.6	JorgensenApril2004	SD-202	EAA 4		X	
3.6	JorgensenApril2004	SD-203	EAA 4		X	
3.6	JorgensenApril2004	SD-205	EAA 4		X	
3.6	JorgensenApril2004	SD-205D	EAA 4		X	
3.6	JorgensenApril2004	SD-206	EAA 4		X	
3.6	JorgensenApril2004	SD-207	EAA 4		X	
3.6	JorgensenApril2004	SD-208	EAA 4		X	
3.6	JorgensenApril2004	SD-213	EAA 4		X	
3.6	JorgensenApril2004	SD-215	EAA 4		X	
3.6	JorgensenApril2004	SD-301	EAA 4		X	

Table F-4, cont. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	NO PCBs DETECTED IN CORE
3.6	JorgensenApril2004	SD-302	EAA 4		X	
3.6	JorgensenApril2004	SD-303	EAA 4		X	
3.6	JorgensenAugust2004	SD-307-C	EAA 4		X	
3.6	JorgensenAugust2004	SD-309-C	EAA 4		X	
3.6	JorgensenAugust2004	SD-310-C	EAA 4		X	
3.6	JorgensenAugust2004	SD-311-C	EAA 4		X	
3.6	JorgensenAugust2004	SD-316-C	EAA 4		X	
3.6	JorgensenAugust2004	SD-317-C	EAA 4		X	
3.6	JorgensenAugust2004	SD-318-C	EAA 4		X	X
3.6	JorgensenAugust2004	SD-321-C			X	
3.6	T117BoundaryDefinition	T117-SE-15-SC	EAA 5		X	
3.6	T117BoundaryDefinition	T117-SE-23-SC	EAA 5	X		
3.6	T117BoundaryDefinition	T117-SE-35-SC	EAA 5	X		
3.7	T117BoundaryDefinition	T117-SE-43-SC	EAA 5		X	X
3.7	PSDDA98	2		X	X	
3.7	JorgensenApril2004	SD-209	EAA 4		X	
3.7	JorgensenApril2004	SD-210	EAA 4		X	
3.7	JorgensenApril2004	SD-210D	EAA 4		X	
3.7	JorgensenApril2004	SD-212	EAA 4		X	
3.7	JorgensenApril2004	SD-214	EAA 4		X	
3.7	JorgensenAugust2004	SD-312-C	EAA 4		X	
3.7	JorgensenAugust2004	SD-315-C	EAA 4			X
3.7	JorgensenAugust2004	SD-322-C		X		
3.9	PSDDA98	3		X	X	
4	DuamYachtClub	C1			X	X
4	PSDDA98	4		X	X	
4	RhônePoulenc2004	SH-01			X	
4	RhônePoulenc2004	SH-02			X	

Table F-4, cont. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	NO PCBs DETECTED IN CORE
4	RhônePoulenc2004	SB-13			X	
Reach 3						
4.1	EPA SI	DR284			X	
4.1	DuamYachtClub	C2			X	X
4.1	DuamYachtClub	C3			X	X
4.1	DuamYachtClub	C4			X	X
4.1	DuamYachtClub	C5			X	X
4.1	DuamYachtClub	C6			X	X
4.1	PSDDA98	5		X	X	
4.1	RhônePoulenc2004	SH-03			X	X
4.1	RhônePoulenc2004	SH-04			X	
4.1	RhônePoulenc2004	SH-06			X	
4.1	RhônePoulenc2004	SB-12			X	
4.2	EPA SI	DR246			X	
4.2	PSDDA96	6		X	X	
4.2	PSDDA98	6		X	X	
4.2	PSDDA98	7		X	X	
4.2	RhônePoulenc2004	SH-07			X	
4.2	RhônePoulenc2004	SH-08			X	
4.2	RhônePoulenc2004	SH-09			X	
4.2	RhônePoulenc2004	SB-1			X	
4.2	RhônePoulenc2004	SB-2			X	
4.2	RhônePoulenc2004	SB-3			X	
4.2	RhônePoulenc2004	SB-4			X	
4.2	RhônePoulenc2004	SB-5			X	
4.2	RhônePoulenc2004	SB-6			X	
4.2	RhônePoulenc2004	SB-7			X	

Table F-4, cont. Cores not included in subsurface core analysis

RM	EVENT	LOCATION NAME	EARLY ACTION AREA	REASON		
				DISRUPTED BY DREDGING PRIOR TO SAMPLING	INSUFFICIENT DEPTH INTERVAL ^a	No PCBs DETECTED IN CORE
4.2	RhônePoulenc2004	SB-8			X	
4.2	RhônePoulenc2004	SB-11			X	
4.2	RhônePoulenc2004	SB-17			X	
4.3	PSDDA96	4		X	X	
4.3	PSDDA96	5		X	X	
4.3	LDW Subsurface Sediment 2006	LDW-SC54			X	
4.4	Turning-basin	DTB-01SD		X	X	
4.4	PSDDA98	Average Of 8-9		X	X	
4.5	Turning-basin	DTB-02SD		X	X	
4.6	EPA SI	DR269			X	X
4.6	PSDDA96	C1		X	X	
4.6	Turning-basin	DTB-03SD		X	X	
4.6	Turning-basin	DTB-04SD		X	X	
4.6	PSDDA98	Average Of 10-12		X	X	X
4.7	Turning-basin	DTB-05SD		X	X	
4.7	LDW Subsurface Sediment 2006	LDW-SC56			X	
4.9	Norfolk-cleanup2	NFK008	EAA 7		X	
4.9	Norfolk-cleanup2	NFK009	EAA 7		X	
4.9	Norfolk-cleanup2	NFK207	EAA 7		X	
4.9	LDW Subsurface Sediment 2006	LDW-SC55			X	

^a Only one interval was analyzed for PCBs or no interval was analyzed within the depth range of the expected peak.