Table 1. Comparison of All Site Sediment Data to TCLP Screening Levels and Selection of TCLP Testing Locations.

Contaminant	TCLP Regulatory Level (mg/L)	Concentration needed to be above TCLP screening level	iAOPC		Maximum Detected Concentration (mg/kg)	# of Samples = or above Screen	Ratio of Max. over Screening Level	Station Number for TCLP Testing
Arsenic	5.00	100.00	1		132.00	1	1.3	
Chromium	5.00	100.00	1		819.00	12	8.2	**1**
Lead	5.00	100.00	1		166.00	7	1.7	
Chromium	5.00	100.00	3		117.00	1	1.2	
Lead	5.00	100.00	3		310.00	7	3.1	
Chromium	5.00	100.00	5		103.00	1	1.0	
Lead	5.00	100.00	5		120.00	1	1.2	
Lead	5.00	100.00	6		330.00	1	3.3	
Arsenic	5.00	100.00	7		105.00	1	1.1	
Chromium	5.00	100.00	7		249.00	6	2.5	
Lead	5.00	100.00	7		577.00	12	5.8	**2**
Mercury	0.20	4.00	7		4.84	1	1.2	
Chromium	5.00	100.00	9	adjacent to	130.00	1	1.3	
Lead	5.00	100.00	9		232.00	1	2.3	
Lead	5.00	100.00	9	adjacent to	416.00	2	4.2	
Lead	5.00	100.00	9	adjacent to	117.00	1	1.2	
Chromium	5.00	100.00	10		212.00	6	2.1	
Lead	5.00	100.00	10		332.00	5	3.3	
Benzene	0.50	10.00	11		270.00	12	27.0	**3**
Benzene	0.50	10.00	11	adjacent to	11.00	1	1.1	
Chromium	5.00	100.00	11	adjacent to	175.00	1	1.8	
Lead	5.00	100.00	11		684.00	4	6.8	
Lead	5.00	100.00	11	downstream of	331.00	2	3.3	
Trichloroethylene	0.5	10.00	11	adjacent to	1900	2	190.0	**4**
Vinyl Chloride	0.2	4.00	11	adjacent to	4	1	1.0	
Lead	5.00	100.00	13		238.00	2	2.4	
Mercury	0.20	4.00	13		4.14	1	1.0	
Barium	100.00	2000.00	14		5950.00	1	3.0	
Chromium	5.00	100.00	14		270.00	4	2.7	
Hexachlorobenzene	0.13	2.60	14		14.00	1	5.4	**5**
Hexachlorobutadiene	0.50	10.00	14		34.00	2	3.4	
Lead	5.00	100.00	14		1290.00	12	12.9	
Lead	5.00	100.00	14	adjacent to	3330.00	1	33.3	**6**
Chromium	5.00	100.00	15		184.00	3	1.8	
Lead	5.00	100.00	15		516.00	2	5.2	**7**
Lead	5.00	100.00	16	adjacent to	204.00	1	2.0	
Chromium	5.00	100.00	18		774.00	1	7.7	**8**
Lead	5.00	100.00	18		350.00	3	3.5	
Lead	5.00	100.00	18	downstream of	242.00	1	2.4	
Chlordane	0.03	0.60	19		2.33	1	3.9	
Chromium	5.00	100.00	19		157.00	3	1.6	
Lead	5.00	100.00	19		1080.00	15	10.8	**9**
Lead	5.00	100.00	19	downstream of	164.00	2	1.6	
Arsenic	5.00	100.00	21		140.00	1	1.4	
Lead	5.00	100.00	21		330.00	14	3.3	
Chromium	5.00	100.00	22		148.00	2	1.5	
Lead	5.00	100.00	22		116.00	2	1.2	
Cadmium	1.00	20.00	23		46.20	1	2.3	
Lead	5.00	100.00	23		936.00	2	9.4	**10**
Selenium	1.00	20.00	23		20.00	1	1.0	
Lead	5.00	100.00	26		178.00	2	1.8	
Lead	5.00	100.00	26	upstream of	348.00	2	3.5	
1,1-Dichloroethylene	0.70	14.00	NA		ND		NA	
1,2-Dichloroethane	0.50	10.00	NA		0.0004		0.0	
1,4-Dichlorobenzene	7.50	150.00	NA		0.73		0.0	
2,4,5-TP (Silvex)	1.00	20.00	NA		0.01		0.0	
2,4,5-Trichlorophenol	400.00	8000.00	NA		0.20		0.0	
2,4,6-Trichlorophenol	2.00	40.00	NA		1.40		0.0	
2,4-D	10.00	200.00	NA		3.25		0.0	
2,4-Dinitrotoluene	0.13	2.60	NA		2.10		0.8	
Carbon Tetrachloride	5.00	100.00	NA		ND		NA	
Chlorobenzene	100.00	2000.00	NA		35.00		0.0	
Chloroform	6.00	120.00	NA		0.14		0.0	
Cresol	200.00	4000.00	NA		ND		NA	
Endrin	0.02	0.40	NA		0.03		0.1	
Heptachlor(and its epoxide)	0.01	0.16	NA		0.01		0.0	
Hexachloroethane	3.00	60.00	NA		1.60		0.0	
Lindane	0.40	8.00	NA		0.43		0.1	
m-Cresol	200.00	4000.00	NA		0.30		0.0	
Methoxychlor	10.00	200.00	NA		0.51		0.0	
Metyl Ethyl Ketone	200.00	4000.00	NA		0.05		0.0	
Nitrobenzene	2.00	40.00	NA		ND		NA	
o-Cresol	200.00	4000.00	NA		0.29		0.0	
p-Cresol	200.00	4000.00	NA		2.50		0.0	
Pentachlorophenol	100.00	2000.00	NA		8.41		0.0	
Pyridine	5.00	100.00	NA		ND		NA	
Silver	5.00	100.00	NA		14.80		0.1	
Tetrachloroethylene	0.70	14.00	NA		0.01		0.0	
Toxaphene	0.50	10.00	NA		1.90		0.2	

NA — No Locations exceeded the TCLP screening value

Table 2. Analysis of Peak Concentrations in Bulk Sediment by General Site Area.

Analytes of Concern from Table 10.5-1	Units	Sitewide Surface 95th	Sitewide Subsurface 95th	Sitewide Surface Riparian Zone 95th	Sitewide Subsurface Riparian Zone 95th	Sitewide maximum 95th	iAOPCs exceeding max. 95th w/ (max concentration)
Total PCB Aroclors (calc'd)	ug/kg	810	843	9.1	13500	**13500**	3 (26,000), 19 (27,400)
Total PCB Congeners (calc'd)	ug/kg	972	2830	25900	NA	**25900**	19 (35,400)
PCB congener TEQ (calc'd)	pg/g	41.7	48.8	NA	NA	**48.8**	3 (161), 7 (86.7), 19 (324)
Dioxin/Furan TCDD toxicity equivalent	pg/g	75.8	54.7	NA	NA	**75.8**	1 (140), 13 (102), 14 (16,600)
Sum DDD (calc'd)	ug/kg	136	282	7.13	NA	**282**	11 (2,220), 14 (690,000), 17 (385), 19 (2,980)
Sum DDE (calc'd)	ug/kg	55.6	51	3.34	NA	**55.6**	14 (24000), 19 (2830)
Sum DDT (calc'd)	ug/kg	193	342	25.8	NA	**342**	11 (1,110), 14 (3,500,000)
alpha-BHC	ug/kg	2.2	7.37	1.78	NA	**7.37**	19 (98.9)
beta-BHC	ug/kg	7.3	12.3	NA	NA	**12.3**	11 (318), 14 (120)
delta-BHC	ug/kg	2.2	5.8	2.23	NA	**5.8**	11 (45.4)
Aldrin	ug/kg	11.4	92	NA	NA	**92**	14 (1,340), 19 (637)
Dieldrin	ug/kg	9.17	15.6	NA	NA	**15.6**	19 (356)
Endrin Ketone	ug/kg	4.57	8.65	4.48	NA	**8.65**	3 (16), 11 (263), 19 (90.1)
Ammonia	mg/kg	**225**	522	NA	NA	522	11 (334), 18 (481), 19 (352)
Sulfide	mg/kg	96.3	72	NA	NA	**96.3**	11 (998), 14 (445)
Mercury	mg/kg	0.276	0.5	0.18	0.09	**0.5**	6 (0.74), 13 (4.14), 14 (0.72), 19 (2.01)
Arsenic	mg/kg	9	6.95	54.8	7.65	**54.8**	15 (83.5)
Silver	mg/kg	1.13	0.924	0.876	NA	**1.13**	7 (5.65), 14 (4.24), 19 (4.44)
Cadmium	mg/kg	**1.135**	0.803	1.02	5.92	5.92	19 (5.41)
Lead	mg/kg	110	102	516	251	**516**	NL

Table 2. Analysis of Peak Concentrations in Bulk Sediment by General Site Area.

Analytes of Concern from Table 10.5-1	Units	Sitewide Surface 95th	Sitewide Subsurface 95th	Sitewide Surface Riparian Zone 95th	Sitewide Subsurface Riparian Zone 95th	Sitewide maximum 95th	iAOPCs exceeding max. 95th w/ (max concentration)
Zinc	mg/kg	374	288	2650	**1530**	2650	21 (1,930)
Dibutyl phthalate	ug/kg	136	91	34	NA	**136**	1 (180), 3 (1800), 14 (1500), 19 (185), 21 (230)
Benzo(a)antrhacene	ug/kg	5570	9900	168	200	**9900**	11 (760,000),
Benzo(a)pyrene	ug/kg	3800	12000	196	279	**12000**	11 (940,000)
Benzo(b)fluoranthene	ug/kg	6400	9900	170	266	**9900**	11 (590,000)
dibenzo(a,h)anthracene	ug/kg	1000	1500	47.1	845	**1500**	11 (67,000)
Indeno(1,2,3-cd)pyrene	ug/kg	6000	11000	224	430	**11000**	11 (610,000)
Diesel Range Hydrocarbons	mg/kg	1900	3400	92.2	11600	**11600**	11 (190,000), 19 (12,000)
Residual Range Hydrocarbons	mg/kg	2640	3200	640	NA	**3200**	3 (11,000), 11 (110,000), 13 (6,000), 19 (25,000)

Notes:
*Sum DDD calculated by totaling 2,4' and 4,4'-DDD
**Sum DDE calculated bytotaling 2,4' and 4,4'-DDE
***Sum DDT calculated by totaling 2,4' and 4,4'-DDT
****-BHC reports values for -hexachlorocyclohexane
*****NA - Not available
****** The 95th value was selected from an ascending ranked list of all results. Where n = the number of samples, the actual sample result corresponding to the ra
closest integer to n * 0.95 (95th percentile) or n * 0.50 (median) is presented.
NL - Chemical not listed as an iCOC for any iAOPC on Table 11.3 Summary Statistics for Sediment
Bold - Indicates the 95th percentile concentration used to screen the iAOPCs

Table 3. Summary of Stations for Sequential Batch Leach Test Sampling

iAOPC	PCBs	Dioxins	DDx	Pesticides	Metals	Phthalate	PAH	TPH	Sum	Sample No.	EPA Locations*
1		1				1			2	1	1
2									-		
3	1			1		1		1	4	2	2
4									-		3
5									-		
6					1				1	3	
7	1				1				2	4	4
8									-		
9									-		
10									-		
11			1	1			1	1	4	5	5
12									-		
13		1			1			1	3	6	6
14		1	1	1	1	1			5	7	7
15					1				1	8	
16									-		8
17			1						1	9	
18									-		
19	1		1	1	1	1		1	6	10	9
20									-		
21					1	1			2	11	10
22									-		
23									-		11
24									-		12
25									-		
26									-		13
27									-		

1 - Indicates this area above 95th percentile value (per Table 1) for this chemical.
* EPA also identified locations at EPA areas 6A and 5H for a total of 15 locations.