

Table 1. Radio Tower Bay Wetland Restoration Project EAW.

Summarized results from 2008 sampling for baseline sediment parameters in Radio Tower Bay^{1,2}.

Parameter	Depth	Arsenic	Cadium	Chromium ³	Copper	Lead	Mercury	Nickel	Selenium	Zinc	PCBs (Total)	Total Organic Carbon	Sieve Analysis
Level 1 Soil Reference Value (SRV) (mg/kg, dry weight) ¹	----	9	25		100	300	1	560	160	8,700	1	----	----
Level 2 Soil Reference Value (SRV) (mg/kg, dry weight) ¹	----	20	200		9,000	700	2	2,500	1,300	75,000	8	----	----
Units	in.	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	mg/kg	Y/N
Sample ID ²													
RTB-1	0-6	3.9	0.47	28.4	23.4	15.9	0.18	22.3	1	105	<637	48,100	Y
	22-30	3.1	0.34	33.1	20.1	5.8	0.044	25.4	1	74	NA	36,800	Y
RTB-2	0-6	6.5	0.8	27.6	27.6	19.3	0.087	23.6	<1.6	110	<1250	46,300	Y
	2-22	3.1	0.22	27.3	22.5	6.3	0.043	22.2	0.95	64.5	NA		Y
	22-36	2.4	0.21	25.1	14.1	4.3	0.03	18.8	1	51.5	NA	43,800	Y
RTB-3	0-18	2.8	0.28	33.3	22	5.8	0.041	25.3	0.78	68	NA	37,800	Y
	18-30	2.4	0.22	30.5	16.9	4.8	<0.31	21.5	<0.67	61	NA	25,300	Y
RTB-4	0-6	6.9	1.1	44.3	50.5	42.6	0.32	32.8	<1.6	212	NA	126,000	Y
RTB-5	0-6	8.9	2	29.3	41.5	67.6	0.2	23.6	1.4	263	NA	202,000	Y
RTB-6	0-6	2.8	0.25	29.8	22.2	7.6	0.035	22.2	<0.69	64.9	NA	44,800	Y
RTB-7	0-6	8.2	1.1	41.7	41.1	32.6	0.15	33.5	1.7	185	<1180	176,000	Y
RTB-8	0-6	4.3	0.45	33.9	29.3	13.8	0.1	25.7	<1.2	101	NA	10,200	Y
RTB-9	0-6	6.6	1.1	52.4	56.3	39.1	0.47	37.6	1.3	242	NA	53,600	Y
RTB-10	0-6	5	0.65	40.3	34.2	23.4	0.084	30.6	<1	<1	NA	100,000	Y
RTB-11	0-6	7.8	1.4	52.6	52.5	54	0.19	68.6	<1.4	1.6	NA	105,000	Y
RTB-C1	0-6	8.1	0.88	34.9	34.2	27.1	0.1	28.2	<1.6	<1.6	NA	130,000	Y
RTB-C3	0-6	7.8	1.3	32.8	40.2	51.6	0.21	24.8	<2.2	<2.2	NA	210,000	Y
RTB-C4	0-6	12.7	1.9	71.7	77.8	64.8	0.47	57.2	<2.5	2.5	NA	121,000	Y
RTB-C5	0-6	3.1	0.32	22.2	17.7	12.7	0.096	17.4	<0.64	0.63	NA	20,400	Y
RTB-C6	0-6	5.3	0.72	34.5	32.6	23	0.12	26	<1.2	1.2	NA	68,900	Y

¹ - Stollenwerk et al. 2011. Managing dredge materials in the State of Minnesota. MPCA Document No. wq-gen2-01

² - Data summarized from Bay West 2008 "Sediment Sampling Letter Report for Mud Lake and Radio Tower Bay. Report to MPCA.

³ - Lab report did not identify different levels of Chromium III or Chromium IV, which have different SRVs. Results are as reported.

Table 2. Radio Tower Bay Wetland Restoration Project EAW.

Results of nutrient parameters for 2012 sediment testing in Radio Tower Bay.

Parameter	Depth	Total Phosphorus	Nitrate+Nitrite	Total Kjeldahl Nitrogen
Units	in.	mg/kg	mg/kg	mg/kg
Sample ID				
Sample No. 1	0-12	458	5	9800
Sample No. 2	0-12	374	2	3100
Sample No. 3	0-12	388	2	2300
Sample No. 4	0-12	492	2	2900
Sample No. 5	0-12	384	2	2300
Sample No. 6	0-12	709	<1	4000