



## **Hudson River PCBs Site**

# **Phase 1 Target Area Identification Report**

*Prepared for:*

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Albany, NY**

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# APPENDICES

**Appendix A-1. Summary of TAL metals results in disposal characterization cores**

Field Sample ID	Dredge Area	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
<b>Northern Thompson Island Pool</b>													
RS1-9594-DC001-000030	NTIP02	5,840	< 0.37	3.9	71.4	0.4	0.075	21,900	11.2	5.9	13.1	14,400	12.6
RS1-9594-DC002-000030	NTIP03	7,590	< 0.38	4.5	94.8	0.57	< 0.047	10,400	12	6.6	13.9	18,700	8.2
RS1-9493-DC001-000050	NTIP05	3,830	0.49	1.9	43.6	0.3	2.2	7,130	32	3.1	11.3	7,680	41.4
RS1-9493-DC002-000036	NTIP05	4,600	1.9	2	67	0.36	10.1	1,820	100	3.2	25.7	6,970	129
RS1-9493-DC003-000038	NTIP06	4,670	< 0.4	2.7	61.1	0.44	< 0.049	1,520	6.6	5.6	9.8	13,000	6.1
RS1-9493-DC005-000087	NTIP07	11,200	2.1	5	108	0.59	12.2	4,330	401	8.4	77.6	16,100	378
RS1-9392-DC001-000042	NTIP07	7,920	< 0.4	2.3	68.8	0.57	< 0.049	18,200	16.4	6.1	13.4	14,600	10.7
RS1-9392-DC002-000061	NTIP07	4,780	< 0.55	2.1	59.3	0.4	1.4	2,210	62.5	3.8	44.1	7,010	76
RS1-9493-DC004-000036	NTIP07	3,330	< 0.42	1.8	35.3	0.28	0.51	1,500	88.4	2.7	14.3	5,610	46.7
<b>Griffin Island Area</b>													
RS1-9190-DC002-000060	GI02	8,360	< 0.56	2.1	68.7	0.62	0.96	2,650	76.5	5.9	33.3	11,300	100
RS1-9190-DC004-000076	GI06	4,740	< 0.41	2.1	36.8	0.45	< 0.051	9,770	7.1	4.7	6.5	10,300	4.9
RS1-9190-DC004-BD0001	GI06	4,990	< 0.39	1.7	37.4	0.51	< 0.048	9,910	7.1	4.3	6.6	10,900	3.6
RS1-9190-DC005-000024	GI06	11,400	4.4	4.7	119	0.69	31.3	2,120	500	6.2	88.4	14,000	525
RS1-9089-DC001-000071	GI11	9,130	0.6	2.8	66.4	0.68	< 0.052	15,900	15.6	7.5	12.1	17,900	8.4
<b>Northumberland Dam Area</b>													
RS2-8584-DC001-000048	ND02	6,290	< 0.51	1.7	68.3	0.53	2.3	2,070	108	5.5	36.3	9,410	119
RS2-8584-DC002-000066	ND04	8,080	< 0.92	2.1	62.2	0.61	7.5	2,170	211	6.1	34.2	10,700	200
RS2-8584-DC003-000046	ND05	4,130	< 0.45	0.98	27.7	0.44	0.24	1,490	26.1	3.8	9.6	6,960	25.9
RS2-8584-DC004-000052	ND05	8,940	< 1.2	2.2	73	0.67	6.2	2,340	185	5.9	50.1	11,800	188
RS2-8584-DC006-000018	ND06	4,380	< 0.66	0.92	35	0.35	7	1,370	87.9	3.5	12.3	6,540	78.7
RS2-8483-DC001-000036	ND06	7,070	< 0.59	2	50.6	0.61	2.8	2,580	80.4	5.2	23.1	9,970	77.8
RS2-8483-DC002-000049	ND06	3,140	< 0.37	1.4	20.5	0.35	< 0.046	1,070	4.3	2.4	2.3	6,540	3.4
RS2-8483-DC003-000030	ND06	3,870	< 0.46	0.92	28.6	0.39	0.29	1,410	21.3	2.9	6.5	6,210	16.1
RS2-8483-DC004-000036	ND07	10,700	< 1.2	3.1	98.6	0.86	6.8	3,090	216	11.5	46.7	14,300	198
RS2-8483-DC005-000028	ND07	9,820	< 1.2	2.9	84.2	0.76	6.7	2,640	411	8.8	65.1	13,000	363
RS2-8483-DC006-000070	ND07	12,900	< 2.2	3.5	115	0.9	13.7	3,400	392	10.7	68.4	16,800	368
RS2-8483-DC006-BD0001	ND07	13,700	< 2.1	4.1	125	0.87	14.2	3,340	496	11	73.3	17,600	458
RS2-8483-DC007-000035	ND07	14,700	< 4.6	4.1	165	0.86	34.5	3,130	515	10.1	76.5	18,200	561
RS2-8483-DC008-000024	ND08	9,780	< 4.7	2.7	182	0.67	32	3,100	439	7.6	49.7	12,000	431

*Note: All results in milligrams/Kilogram (mg/kg).*

**Appendix A-1. Summary of TAL metals results in disposal characterization cores.**

Field Sample ID	Dredge Area	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Thallium	Vanadium	Zinc
<b>Northern Thompson Island Pool</b>												
RS1-9594-DC001-000030	NTIP02	5,790	216	0.031	11.3	1,090	0.4	< 0.068	115	< 0.47	11.3	52.3
RS1-9594-DC002-000030	NTIP03	4,900	282	0.023	13.9	1,260	0.32	< 0.069	110	< 0.48	16.2	45
RS1-9493-DC001-000050	NTIP05	2,710	98.7	0.74	6.2	633	0.51	< 0.071	92.1	< 0.49	10.8	45.2
RS1-9493-DC002-000036	NTIP05	1,330	55.1	0.35	8	536	0.61	< 0.089	59.4	< 0.61	17.1	93.7
RS1-9493-DC003-000038	NTIP06	2,060	61.8	3.9	9.1	685	0.37	< 0.072	138	< 0.49	9.2	42.3
RS1-9493-DC005-000087	NTIP07	3,230	123	1.8	21	1,090	1.1	0.31	< 26.2	< 0.8	48.2	345
RS1-9392-DC001-000042	NTIP07	6,540	284	0.031	13.1	1,470	0.38	< 0.072	331	< 0.5	16.1	44
RS1-9392-DC002-000061	NTIP07	1,740	49.6	0.33	7.8	516	0.6	< 0.1	78.7	< 0.69	13.7	77.6
RS1-9493-DC004-000036	NTIP07	1,120	37.2	0.15	6.1	469	< 0.3	< 0.076	56.9	< 0.52	9.3	53.8
<b>Griffin Island Area</b>												
RS1-9190-DC002-000060	GI02	2,210	86.9	0.4	11.6	689	0.48	< 0.1	95.6	< 0.69	20	114
RS1-9190-DC004-000076	GI06	4,090	211	0.0082	8	769	< 0.3	< 0.075	182	< 0.51	11.9	30.5
RS1-9190-DC004-BD0001	GI06	4,200	222	0.011	8	795	< 0.28	< 0.071	180	< 0.49	11.4	30.5
RS1-9190-DC005-000024	GI06	2,790	94.4	4.8	19.1	962	1.2	0.63	< 29.4	< 0.9	57.4	435
RS1-9089-DC001-000071	GI11	7,650	387	0.021	14.9	1,480	< 0.31	< 0.077	280	< 0.53	19.5	52.4
<b>Northumberland Dam Area</b>												
RS2-8584-DC001-000048	ND02	1,890	74.2	0.72	9.9	564	0.68	< 0.092	122	< 0.63	15.8	119
RS2-8584-DC002-000066	ND04	2,220	95.3	1.5	11.2	689	0.65	0.18	149	< 0.73	27.3	203
RS2-8584-DC003-000046	ND05	1,570	47.6	0.13	5.2	384	0.33	< 0.081	109	< 0.55	9.1	58.1
RS2-8584-DC004-000052	ND05	2,800	117	1.2	12.2	826	0.7	0.11	142	< 0.78	28.8	180
RS2-8584-DC006-000018	ND06	1,390	70.1	0.45	5.5	439	0.31	< 0.077	92	< 0.53	13.4	103
RS2-8483-DC001-000036	ND06	2,150	90.7	0.54	8.6	629	0.93	< 0.11	159	< 0.74	19.1	119
RS2-8483-DC002-000049	ND06	1,150	41.8	< 0.0049	3.3	338	< 0.27	< 0.068	116	< 0.47	6.5	27.9
RS2-8483-DC003-000030	ND06	1,400	53	0.073	4.5	414	< 0.33	< 0.083	91.1	< 0.57	8.9	41.3
RS2-8483-DC004-000036	ND07	2,960	171	1.3	19.5	965	0.99	< 0.16	191	< 1.1	36.4	246
RS2-8483-DC005-000028	ND07	2,500	132	1.6	18.5	789	0.94	0.26	178	< 0.91	40.4	372
RS2-8483-DC006-000070	ND07	3,330	191	2.7	21.1	1,100	1.1	0.42	194	< 0.95	48.7	349
RS2-8483-DC006-BD0001	ND07	3,490	191	4.3	24.5	1,120	1.2	0.48	211	< 0.94	57	424
RS2-8483-DC007-000035	ND07	3,910	199	3	22.1	1,150	1.3	0.5	241	< 0.92	58.8	410
RS2-8483-DC008-000024	ND08	2,420	152	3.9	16.3	885	1	0.29	272	< 0.83	42.2	284

*Note: All results in milligrams/Kilogram (mg/kg).*

Appendix A-2. Summary of TCLP metals results in disposal characterization cores.

Field Sample ID	Dredge Area	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
<i>Regulatory Limit</i>		5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0
<b>Northern Thompson Island Pool</b>									
RS1-9594-DC001-000030	NTIP02	< 0.15	1.3	< 0.002	< 0.0013	< 0.017	< 0.000025	< 0.026	< 0.0021
RS1-9594-DC002-000030	NTIP03	< 0.16	1.2	< 0.002	< 0.0013	< 0.017	< 0.000025	< 0.026	< 0.0021
RS1-9493-DC001-000050	NTIP05	< 0.16	0.83	0.017	0.0019	0.17	< 0.000025	< 0.026	< 0.0021
RS1-9493-DC002-000036	NTIP05	< 0.16	0.45	0.021	0.016	0.26	< 0.000025	< 0.026	< 0.0021
RS1-9493-DC003-000038	NTIP06	< 0.17	0.7	< 0.002	0.0033	0.02	< 0.000025	< 0.026	< 0.0021
RS1-9493-DC005-000087	NTIP07	< 0.14	0.69	0.063	0.053	0.99	< 0.000025	< 0.026	< 0.0021
RS1-9392-DC001-000042	NTIP07	< 0.16	0.79	< 0.002	< 0.0013	0.018	< 0.000025	< 0.026	< 0.0021
RS1-9392-DC002-000061	NTIP07	< 0.18	0.49	0.0066	0.008	0.18	< 0.000043	< 0.026	< 0.0021
RS1-9493-DC004-000036	NTIP07	< 0.17	0.53	0.0083	0.02	0.36	< 0.000025	< 0.026	< 0.0021
<b>Griffin Island Area</b>									
RS1-9190-DC002-000060	GI02	< 0.17	0.45	0.0056	0.012	0.22	< 0.000025	< 0.026	< 0.0021
RS1-9190-DC004-000076	GI06	< 0.18	0.5	< 0.002	< 0.0016	< 0.017	< 0.000025	< 0.026	< 0.0021
RS1-9190-DC004-BD0001	GI06	< 0.17	0.48	< 0.002	< 0.0022	< 0.017	< 0.000025	< 0.026	< 0.0021
RS1-9190-DC005-000024	GI06	< 0.17	0.64	0.12	0.053	1.5	< 0.000025	< 0.026	< 0.0021
RS1-9089-DC001-000071	GI11	< 0.18	0.8	< 0.002	< 0.0013	< 0.017	< 0.000025	< 0.026	< 0.0021
<b>Northumberland Dam Area</b>									
RS2-8584-DC001-000048	ND02	< 0.19	0.6	0.019	0.025	0.63	< 0.000025	< 0.026	0.0023
RS2-8584-DC002-000066	ND04	< 0.19	0.5	0.063	0.033	0.77	< 0.000025	< 0.026	< 0.0021
RS2-8584-DC003-000046	ND05	< 0.18	0.28	0.0063	0.0036	0.15	< 0.000025	< 0.026	< 0.0021
RS2-8584-DC004-000052	ND05	< 0.18	0.58	0.044	0.027	0.78	< 0.000025	< 0.026	< 0.0021
RS2-8584-DC006-000018	ND06	< 0.18	0.37	0.059	0.014	0.53	0.000043	< 0.026	< 0.0021
RS2-8483-DC001-000036	ND06	< 0.22	0.33	0.016	0.0092	0.18	0.000034	< 0.026	< 0.0021
RS2-8483-DC002-000049	ND06	< 0.19	0.2	< 0.002	< 0.0013	0.033	< 0.000025	< 0.026	< 0.0021
RS2-8483-DC003-000030	ND06	< 0.21	0.26	< 0.002	< 0.0013	0.057	< 0.000025	< 0.026	< 0.0021
RS2-8483-DC004-000036	ND07	< 0.22	0.42	0.023	0.009	0.22	< 0.000025	< 0.026	< 0.0021
RS2-8483-DC005-000028	ND07	< 0.2	0.54	0.036	0.015	0.48	< 0.000025	< 0.026	< 0.0021
RS2-8483-DC006-000070	ND07	< 0.19	0.7	0.075	0.045	1.1	< 0.000025	< 0.026	< 0.0021
RS2-8483-DC006-BD0001	ND07	< 0.19	0.69	0.07	0.035	0.96	< 0.000025	< 0.026	< 0.0021
RS2-8483-DC007-000035	ND07	< 0.19	0.85	0.12	0.041	1.6	< 0.000025	< 0.026	< 0.0021
RS2-8483-DC008-000024	ND08	< 0.18	1.4	0.13	0.031	1.4	< 0.000025	< 0.026	< 0.0021

Note: All results in milligrams/liter (mg/L).

Appendix A-3. Summary of organics results in disposal characterization cores.

Field Sample ID	Dredge Area	1,1-Dichloroethene	1,2-Dichloroethane	1,4-Dichlorobenzene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dinitrotoluene	Benzene	Carbon tetrachloride	Chlorobenzene	Chloroform	Cresols (total)
<i>Regulatory limit</i>		0.7	0.5	7.5	400.0	2.0	0.1	0.5	0.5	100.0	6.0	---
<b>Northern Thompson Island Pool</b>												
RS1-9594-DC001-000030	NTIP02	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9594-DC002-000030	NTIP03	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9493-DC001-000050	NTIP05	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9493-DC002-000036	NTIP05	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9493-DC003-000038	NTIP06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9493-DC005-000087	NTIP07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9392-DC001-000042	NTIP07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9392-DC002-000061	NTIP07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9493-DC004-000036	NTIP07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
<b>Griffin Island Area</b>												
RS1-9190-DC002-000060	GI02	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9190-DC004-000076	GI06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9190-DC004-BD0001	GI06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9190-DC005-000024	GI06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS1-9089-DC001-000071	GI11	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
<b>Northumberland Dam Area</b>												
RS2-8584-DC001-000048	ND02	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8584-DC002-000066	ND04	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8584-DC003-000046	ND05	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8584-DC004-000052	ND05	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8584-DC006-000018	ND06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC001-000036	ND06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC002-000049	ND06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC003-000030	ND06	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC004-000036	ND07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC005-000028	ND07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC006-000070	ND07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC006-BD0001	ND07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC007-000035	ND07	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018
RS2-8483-DC008-000024	ND08	< 0.0088	< 0.0054	< 0.0066	< 0.0069	< 0.0075	< 0.0064	< 0.0057	< 0.0067	< 0.0056	< 0.0062	< 0.018

Note: All results in milligrams/liter (mg/l).

Appendix A-3. Summary of organics results in disposal characterization cores.

Field Sample ID	Dredge Area	Hexachloro-benzene	Hexachloro-butadiene	Hexachloro-ethane	Methyl ethyl ketone	Nitro-benzene	Pentachloro-phenol	Pyradine	Tetrachloro-ethene	Trichloro-ethene	Vinyl chloride
<i>Regulatory limit</i>		0.1	0.5	3.0	---	2.0	100.0	5.0	0.7	0.5	0.2
<b>Northern Thompson Island Pool</b>											
RS1-9594-DC001-000030	NTIP02	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9594-DC002-000030	NTIP03	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9493-DC001-000050	NTIP05	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9493-DC002-000036	NTIP05	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9493-DC003-000038	NTIP06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9493-DC005-000087	NTIP07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9392-DC001-000042	NTIP07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9392-DC002-000061	NTIP07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9493-DC004-000036	NTIP07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
<b>Griffin Island Area</b>											
RS1-9190-DC002-000060	GI02	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9190-DC004-000076	GI06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9190-DC004-BD0001	GI06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9190-DC005-000024	GI06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS1-9089-DC001-000071	GI11	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
<b>Northumberland Dam Area</b>											
RS2-8584-DC001-000048	ND02	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8584-DC002-000066	ND04	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8584-DC003-000046	ND05	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8584-DC004-000052	ND05	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8584-DC006-000018	ND06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC001-000036	ND06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC002-000049	ND06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC003-000030	ND06	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC004-000036	ND07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC005-000028	ND07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC006-000070	ND07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC006-BD0001	ND07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC007-000035	ND07	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074
RS2-8483-DC008-000024	ND08	< 0.0063	< 0.0074	< 0.0069	< 0.034	< 0.0073	< 0.0041	< 0.0031	< 0.016	< 0.0058	< 0.0074

Note: All results in milligrams/liter (mg/l).

**Table A-4. Summary of pesticides/herbicides results in disposal characterization core**

Field Sample ID	Dredge Area	2,4,5-TP (Silvex)	2,4-D	Endrin	Gamma-BHC/Lindane	Heptachlor	Heptachlor epoxide	Methoxy chlor	Technical chlordane	Toxaphene
<b>Griffin Island Area</b>										
RS1-9089-DC001-000071	GI11	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9190-DC002-000060	GI02	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9190-DC004-000076	GI06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9190-DC004-BD0001	GI06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9190-DC005-000024	GI06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
<b>Northern TIP</b>										
RS1-9392-DC001-000042	NTIP07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9392-DC002-000061	NTIP07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9493-DC001-000050	NTIP05	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9493-DC002-000036	NTIP05	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9493-DC003-000038	NTIP06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9493-DC004-000036	NTIP07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9493-DC005-000087	NTIP07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9594-DC001-000030	NTIP02	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS1-9594-DC002-000030	NTIP03	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
<b>Northumberland Dam Area</b>										
RS2-8483-DC001-000036	ND06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC002-000049	ND06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC003-000030	ND06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC004-000036	ND07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC005-000028	ND07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC006-000070	ND07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC006-BD0001	ND07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC007-000035	ND07	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8483-DC008-000024	ND08	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8584-DC001-000048	ND02	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8584-DC002-000066	ND04	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8584-DC003-000046	ND05	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8584-DC004-000052	ND05	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072
RS2-8584-DC006-000018	ND06	<0.00034	<0.0014	<0.000015	<0.000015	<0.000014	<0.000015	<0.000031	<0.00017	<0.000072

*Note: All results in milligrams/Kilogram (mg/kg).*

*ND=Result value below detection limit.*



Appendix A-5. Summary of dioxin results in disposal characterization cores.

Field Sample ID	Dredge Area	2,3,7,8-TCDD	Total TCDDs	1,2,3,7,8-PeCDD	Total PeCDDs	1,2,3,7,8,9-HxCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	Total HxCDDs	1,2,3,4,6,7,8-HpCDD	Total HpCDDs	OCDD
<b>Northern Thompson Island Pool</b>												
RS1-9594-DC001-000030	NTIP02	< 0.102	1.75	< 0.263	3.58	0.513	1.24	0.922	15.6	26.9	64.5	< 162
RS1-9594-DC002-000030	NTIP03	< 0.101	< 0.152	< 0.263	< 0.263	< 0.447	< 0.191	< 0.362	< 0.487	< 1.54	< 3.74	< 11.6
RS1-9493-DC001-000050	NTIP05	< 0.0997	4.02	< 0.258	14	1.87	1.14	3.39	55.2	105	241	1,290
RS1-9493-DC002-000036	NTIP05	0.712	13.3	1.85	12.2	5.39	4.59	14.2	96.2	336	699	3,190
RS1-9493-DC003-000038	NTIP06	< 0.102	< 0.515	< 0.264	< 0.546	< 0.449	0.247	< 0.363	< 1.85	< 3.13	< 8.12	< 23.7
RS1-9493-DC005-000087	NTIP07	3.3	34.4	6	69	21.8	7.33	46.6	294	1,150	2,580	12,700
RS1-9392-DC001-000042	NTIP07	< 0.102	1.72	< 0.266	3.54	0.571	0.742	1.3	20.2	35.2	79.3	256
RS1-9392-DC002-000061	NTIP07	< 0.102	13.2	< 0.263	25.5	3.14	1.06	6.56	101	138	309	1,460
RS1-9493-DC004-000036	NTIP07	< 0.0971	13.8	1.69	33.5	6.3	2.95	10.9	137	197	446	1,610
<b>Griffin Island Area</b>												
RS1-9190-DC002-000060	GI02	< 0.102	6.24	1.42	14	4.39	1.44	9.6	119	179	388	2,150
RS1-9190-DC004-000076	GI06	< 0.0987	< 0.111	< 0.256	< 0.256	< 0.435	< 0.186	< 0.352	< 0.655	< 1.36	< 2.87	< 11.1
RS1-9190-DC004-BD0001	GI06	< 0.102	< 0.119	< 0.265	< 0.265	< 0.45	< 0.192	< 0.364	< 0.418	< 1.04	< 2.26	< 8.32
RS1-9190-DC005-000024	GI06	< 0.102	66.5	9.52	156	41.4	12.2	74.2	967	2,120	4,770	24,000
RS1-9089-DC001-000071	GI11	< 0.101	< 0.489	< 0.263	< 0.416	< 0.447	< 0.191	< 0.361	< 1.24	< 1.97	< 4.2	< 13.7
<b>Northumberland Dam Area</b>												
RS2-8584-DC001-000048	ND02	1.09	19.2	2.3	31.4	6.8	2.72	13.5	155	249	552	2,580
RS2-8584-DC002-000066	ND04	< 0.1	18.3	2.88	59.2	9.85	4.18	18.1	218	540	1,210	6,670
RS2-8584-DC003-000046	ND05	1.91	40.4	4.49	102	18.9	7.56	34.8	438	945	2,140	11,100
RS2-8584-DC004-000052	ND05	2.29	54.6	6.68	83	28.5	8.84	49.5	535	1,170	2,600	13,900
RS2-8584-DC006-000018	ND06	< 0.0997	12.1	1.49	36.6	5.42	2.46	11.2	138	301	682	3,490
RS2-8483-DC001-000036	ND06	< 0.102	14.2	1.35	53.2	8.89	3.27	15.8	211	669	1,740	9,560
RS2-8483-DC002-000049	ND06	< 0.103	< 0.418	< 0.267	2.35	0.618	0.254	0.931	10.5	16.6	35.7	< 168
RS2-8483-DC003-000030	ND06	< 0.0999	< 1.01	0.27	4.96	1.06	0.442	1.9	19.6	35.8	77.2	459
RS2-8483-DC004-000036	ND07	< 0.103	18.7	4.44	66.1	14.7	4.77	27.7	346	642	1,500	7,840
RS2-8483-DC005-000028	ND07	< 0.103	24.3	5.39	67.6	18.9	8.01	40.8	447	878	1,920	9,670
RS2-8483-DC006-000070	ND07	< 0.102	59.6	11.5	155	40.2	15.3	87.5	939	1,990	4,540	20,300
RS2-8483-DC006-BD0001	ND07	4.51	71.1	11.4	182	45.8	15.3	100	606	2,870	6,310	34,000
RS2-8483-DC007-000035	ND07	< 0.435	18.4	< 1.13	178	38.3	15.1	83.2	848	2,130	4,770	27,400
RS2-8483-DC008-000024	ND08	< 0.101	27.5	7.51	109	29.3	11.9	63.2	576	1,730	3,680	20,300

Note: All results in picograms/gram (pg/g).

Appendix A-6. Summary of furan results in disposal characterization cores.

Field Sample ID	Dredge Area	2,3,7,8-TCDF	Total TCDFs	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	Total PeCDFs	1,2,3,7,8,9-HxCDF	1,2,3,6,7,8-HxCDF	1,2,3,4,7,8-HxCDF	2,3,4,6,7,8-HxCDF	Total HxCDFs	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	Total HpCDFs	OCDF
<b>Northern Thompson Island Pool</b>															
RS1-9594-DC001-000030	NTIP02	0.646	19.6	0.182	0.916	4.16	< 0.388	0.225	0.393	0.219	3.16	1.38	< 0.25	3.56	1.19
RS1-9594-DC002-000030	NTIP03	< 0.122	0.305	< 0.153	< 0.286	0.16	< 0.387	< 0.0916	< 0.193	< 0.213	0.292	1.82	< 0.249	2.23	< 0.563
RS1-9493-DC001-000050	NTIP05	2.97	107	1.11	9.14	46.4	0.859	1.5	3.05	1.56	29.8	17.3	2.17	60.1	46.4
RS1-9493-DC002-000036	NTIP05	22.5	1,390	12.1	123	411	9.76	10.2	28.5	12.4	190	67.6	8.97	216	159
RS1-9493-DC003-000038	NTIP06	< 0.123	2.65	< 0.153	< 0.287	0.578	< 0.389	< 0.092	< 0.194	< 0.214	0.693	0.485	< 0.25	1.28	< 0.565
RS1-9493-DC005-000087	NTIP07	19.3	546	8.19	40.9	147	6.1	30.3	23	19.3	464	614	20.6	1,490	770
RS1-9392-DC001-000042	NTIP07	0.941	24	0.28	1.41	8.05	< 0.391	0.225	0.469	0.3	6.54	3.9	< 0.252	8.83	2.93
RS1-9392-DC002-000061	NTIP07	4.79	207	2.03	17.6	113	2.05	3.3	6.02	3.74	88.9	37.3	4.11	133	102
RS1-9493-DC004-000036	NTIP07	4.75	142	1.71	9.03	84.3	1.26	2.94	4.98	3.43	80.6	47.9	4	149	78.5
<b>Griffin Island Area</b>															
RS1-9190-DC002-000060	GI02	4.99	98	1.71	11.2	77.9	1.46	6.86	4.86	4.92	130	113	3.73	260	150
RS1-9190-DC004-000076	GI06	< 0.119	0.891	< 0.148	< 0.278	0.49	< 0.376	< 0.0891	< 0.188	< 0.207	< 0.63	0.471	< 0.242	1.03	< 0.547
RS1-9190-DC004-BD0001	GI06	< 0.123	0.476	< 0.154	< 0.287	0.224	< 0.389	< 0.0922	< 0.194	< 0.214	< 0.236	< 0.402	< 0.251	0.817	< 0.566
RS1-9190-DC005-000024	GI06	30.2	1,180	< 0.154	97.1	453	11.3	22	39.9	26.1	503	432	38.6	1,730	1,810
RS1-9089-DC001-000071	GI11	< 0.122	2.95	< 0.153	< 0.286	0.632	< 0.387	< 0.0916	< 0.193	< 0.213	< 0.754	0.498	< 0.249	1.13	< 0.562
<b>Northumberland Dam Area</b>															
RS2-8584-DC001-000048	ND02	7.77	262	2.93	14.3	73.9	1.89	7.19	7.82	6.47	154	128	5.51	301	141
RS2-8584-DC002-000066	ND04	6.02	266	2.18	16	143	2.16	5.84	8.88	5.55	141	109	8.79	368	339
RS2-8584-DC003-000046	ND05	12.1	464	4.5	24.3	274	4.27	14	16.3	11.9	305	269	15.5	828	620
RS2-8584-DC004-000052	ND05	12.9	441	5.27	29.2	143	4.37	15.6	19	15.2	394	460	20.3	1,270	880
RS2-8584-DC006-000018	ND06	4.3	198	1.21	9.29	87.2	1.26	3.02	5.32	3.24	81.1	59.1	4.23	175	136
RS2-8483-DC001-000036	ND06	8.68	214	< 0.154	9.96	114	1.94	4.91	7.7	4.49	145	152	8.24	691	641
RS2-8483-DC002-000049	ND06	0.793	15.7	0.22	0.864	6.3	< 0.393	0.246	0.354	0.264	5.64	3.52	0.314	9.8	6.28
RS2-8483-DC003-000030	ND06	2.73	43	0.751	2.15	15.4	< 0.381	0.586	1.06	0.613	12.8	7.97	0.592	22.2	14.6
RS2-8483-DC004-000036	ND07	17.4	517	5.45	18.8	204	3.53	15.7	12.5	9.69	208	195	11	574	414
RS2-8483-DC005-000028	ND07	26.7	758	7.27	52.1	271	6.54	15.2	22.1	13.5	245	202	14.8	651	529
RS2-8483-DC006-000070	ND07	32	881	10.2	63.3	462	11.4	47.4	39.4	30.3	648	898	36	2,380	1,360
RS2-8483-DC006-BD0001	ND07	34	1,120	12.4	68.3	607	12	51.9	45.5	37.2	883	1,410	47.5	4,150	3,940
RS2-8483-DC007-000035	ND07	29.7	953	9.01	58.6	440	8.21	23.1	34.7	21.4	575	467	33.6	1,620	1,510
RS2-8483-DC008-000024	ND08	31.2	1,340	7.68	88.6	512	10.1	17.6	36.6	19.6	351	308	26	1,090	1000

Note: All results in picograms/gram (pg/g).

**Appendix B-1. Summary of dioxin results - Northern TIP.**

Sample ID	Dredge Area	2,3,7,8 TCDD	Total TCDDs	1,2,3,7,8-PeCDD	Total PeCDDs	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	Total HxCDDs	1,2,3,4,6,7,8-HpCDD	Total HpCDDs	OCDD
RS1-9493-WT059-042048	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-WT060-024030	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-WT062-024030	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-WT067-024030	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9392-WT126-024030	NTIP07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9392-WT129-024030	NTIP07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-CT662-024030	NTIP07	ND	ND	ND	0.806	ND	ND	ND	ND	ND	ND	ND
RS1-9493-CT674-024030	NTIP07	ND	ND	ND	ND	ND	ND	ND	1.38	ND	ND	ND
RS1-9392-WT657-024030	NTIP08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9392-WT705-024030	NTIP08	ND	0.118	ND	ND	ND	ND	ND	ND	ND	ND	ND

*Note:*  
*All results in picograms/gram (pg/g).*

**Appendix B-2. Summary of furan results - Northern TIP.**

Sample ID	Dredge Area	2,3,7,8-TCDF	Total TCDFs	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	Total PeCDFs	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	Total HxCDFs	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	Total HpCDFs	OCDF
RS1-9493-WT059-042048	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-WT060-024030	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-WT062-024030	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-WT067-024030	NTIP05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9392-WT126-024030	NTIP07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9392-WT129-024030	NTIP07	1.4	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-CT662-024030	NTIP07	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9493-CT674-024030	NTIP07	ND	0.729	ND	ND	0.183	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9392-WT657-024030	NTIP08	ND	ND	ND	ND	ND	ND	0.0966	ND	ND	ND	ND	ND	ND	ND
RS1-9392-WT705-024030	NTIP08	ND	0.184	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note:  
All results in picograms/gram (pg/g).

**Appendix B-3. Summary of RCRA metal results - Northern TIP.**

Sample ID	Dredge Area	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
RS1-9493-WT059-042048	NTIP05	4.3	147	0.44	27	11	ND	ND	ND
RS1-9493-WT060-024030	NTIP05	4.6	197	0.55	37.3	14.2	ND	ND	ND
RS1-9493-WT062-024030	NTIP05	1.1	25.5	0.044	3.6	9.8	0.029	ND	ND
RS1-9493-WT067-024030	NTIP05	2.6	35.4	0.063	3.7	13.5	0.025	ND	ND
RS1-9392-WT126-024030	NTIP07	5.2	40	0.11	4.7	6.1	0.025	ND	ND
RS1-9392-WT129-024030	NTIP07	4.3	39.3	0.15	6.8	7.3	0.79	ND	ND
RS1-9493-CT662-024030	NTIP07	5.1	114	0.32	18.7	9.1	0.025	ND	ND
RS1-9493-CT674-024030	NTIP07	5.8	93.9	0.25	18.5	9	0.025	ND	ND
RS1-9392-WT657-024030	NTIP08	5.6	154	0.08	5	5.2	0.034	ND	ND
RS1-9392-WT705-024030	NTIP08	2.1	194	0.17	16	5.3	ND	ND	ND

*Note:*

*All results in milligrams/kilogram (mg/kg).*

**Appendix B-4. Summary of dioxin results - Griffin Island Area.**

Sample ID	Dredge Area	2,3,7,8 TCDD	Total TCDDs	1,2,3,7,8-PeCDD	Total PeCDDs	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	Total HxCDDs	1,2,3,4,6,7,8-HpCDD	Total HpCDDs	OCDD
RS1-9190-ET193-024028	GI02	ND	ND	ND	ND	ND	ND	ND	8.12	34.6	34.6	1220
RS1-9190-ET405-030036	GI06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-WT030-030036	GI10	ND	0.112	ND	0.901	0.261	0.58	0.592	7.52	13.2	34.1	698
RS1-9190-WT271-024030	GI10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9190-WT453-024030	GI10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-CT153-018024	GI11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-CT166-024030	GI11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-CT178-036042	GI11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-WT152-024030	GI11	ND	ND	ND	ND	ND	ND	ND	0.21	ND	ND	ND
RS1-9089-WT152-BD0001	GI11	ND	ND	ND	ND	ND	ND	ND	1.05	ND	ND	ND

*Note:*  
*All results in picograms/gram (pg/g).*

**Appendix B-5. Summary of furan results - Griffin Island Area.**

Sample ID	Dredge Area	2,3,7,8-TCDF	Total TCDFs	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	Total PeCDFs	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	Total HxCDFs	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	Total HpCDFs	OCDF
RS1-9190-ET193-024028	GI02	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.03	31.3	ND	60.3	31.2
RS1-9190-ET405-030036	GI06	2.44	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-WT030-030036	GI10	9.99	28.7	2.8	2.08	10.7	1.78	0.712	0.524	0.512	6.14	2.45	0.449	5.55	3.01
RS1-9190-WT271-024030	GI10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9190-WT453-024030	GI10	0.641	0.995	0.136	ND	0.471	ND	0.108	ND	ND	ND	ND	ND	0.214	ND
RS1-9089-CT153-018024	GI11	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.213	ND	ND	0.988	1.41
RS1-9089-CT166-024030	GI11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-CT178-036042	GI11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS1-9089-WT152-024030	GI11	1.71	8.61	0.587	0.425	2.36	0.355	0.226	ND	ND	0.858	0.595	ND	1.08	ND
RS1-9089-WT152-BD0001	GI11	0.837	2.84	0.316	ND	1.28	0.27	ND	ND	ND	1.25	0.904	ND	1.83	1.09

*Note:*  
All results in picograms/gram (pg/g).

**Appendix B-6. Summary of RCRA metal results - Griffin Island Area.**

Sample ID	Dredge Area	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
RS1-9190-ET193-024028	GI02	4.4	133	6.5	201	775	0.84	ND	1.4
RS1-9190-ET405-030036	GI06	1.4	17.7	0.07	4.1	13	0.7	ND	ND
RS1-9089-WT030-030036	GI10	1.5	55	0.11	12.9	22.6	0.57	ND	ND
RS1-9190-WT271-024030	GI10	1.5	17.5	0.068	3	3.5	ND	ND	ND
RS1-9190-WT453-024030	GI10	1.7	42.7	0.11	6.7	11.3	0.046	ND	ND
RS1-9089-CT153-018024	GI11	0.88	23.9	ND	3.6	2.8	0.0071	ND	ND
RS1-9089-CT166-024030	GI11	0.65	12	ND	2	1.9	ND	ND	ND
RS1-9089-CT178-036042	GI11	4.2	112	0.29	19.4	10.3	ND	ND	ND
RS1-9089-WT152-024030	GI11	1.6	61.1	ND	8.7	27	0.1	ND	ND
RS1-9089-WT152-BD0001	GI11	2.3	74.2	0.083	11.3	35.3	0.11	ND	ND

*Note:*  
*All results in milligrams/kilogram (mg/kg).*



**Appendix B-7. Summary of dioxin results - Northumberland Dam Area.**

Sample ID	Dredge Area	2,3,7,8 TCDD	Total TCDDs	1,2,3,7,8-PeCDD	Total PeCDDs	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	Total HxCDDs	1,2,3,4,6,7,8-HpCDD	Total HpCDDs	OCDD
RS2-8584-ET019-012018	ND03	ND	ND	ND	ND	ND	ND	ND	ND	10.1	22.4	ND
RS2-8483-ET106-024030	ND07	ND	ND	ND	ND	ND	ND	ND	ND	20.5	47.5	1620
RS2-8483-ET144-024030	ND07	ND	1.01	ND	ND	ND	ND	ND	7.67	25.9	51.2	ND

*Note:*  
*All results in picograms/gram (pg/g).*

**Appendix B-8. Summary of furan results - Northumberland Dam Area.**

Sample ID	Dredge Area	2,3,7,8-TCDF	Total TCDFs	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	Total PeCDFs	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	Total HxCDFs	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	Total HpCDFs	OCDF
RS2-8584-ET019-012018	ND03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	ND	12.2	ND
RS2-8483-ET106-024030	ND07	2.29	7.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
RS2-8483-ET144-024030	ND07	ND	8.82	ND	ND	11	ND	ND	ND	ND	89.6	179	ND	309	61.3

*Note:  
All results in picograms/gram (pg/g).*

**Appendix B-9. Summary of RCRA metal results - Northumberland Dam Area.**

Sample ID	Dredge Area	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
RS2-8584-ET019-012018	ND03	1.3	31.2	0.46	31.8	85.9	0.13	ND	0.12
RS2-8483-ET106-024030	ND07	5	127	0.44	23.3	113	0.42	ND	ND
RS2-8483-ET144-024030	ND07	1.2	24.5	0.15	23.3	36	ND	ND	ND

*Note:*

*All results in picograms/gram (pg/g).*