

APPENDIX H

COC CONCENTRATIONS THAT EXCEED ECOLOGICAL RISK- BASED CONCENTRATIONS

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
Final Upland RI Report
Upper Columbia River, Washington

								Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC	
LeRoi2005	001-BY	LR-NC-SS-001-BY-01	Single	Soil	442974.1049	5418626.121	Used in Model	Y: 61.4	nm	Y: 18.6	Y: 307	Y: 1390	nm	nm	nm	nm	As, Cd, Cu, Pb	573.37	N/A	
LeRoi2005	001-FY	LR-NC-SS-001-FY-01	Single	Soil	442991.8761	5418650.935	Used in Model	Y: 25.2	nm	Y: 6.9	Y: 124	Y: 471	nm	nm	nm	nm	As, Cd, Cu, Pb	551.96	N/A	
LeRoi2005	001-PA	LR-NC-SS-001-PA-01	Single	Soil	442991.0946	5418629.993	Used in Model	Y: 44.3	nm	Y: 11.8	Y: 190	Y: 700	nm	nm	nm	nm	As, Cd, Cu, Pb	573.37	N/A	
LeRoi2005	002-FY	LR-NC-SS-002-FY-01	Single	Soil	442538.625	5418163.195	Used in Model	N: 6.3	nm	N: 1.7	N: 30.5	N: 55.7	nm	nm	nm	nm	none	709.13	N/A	
LeRoi2005	002-PA	LR-NC-SS-002-PA-01	Single	Soil	442563.176	5418181.743	Used in Model	N: 9.7	nm	N: 2.7	Y: 43.1	N: 90.5	nm	nm	nm	nm	Cu	744.31	N/A	
LeRoi2005	003-FY	LR-NC-SS-003-FY-01	Single	Soil	442257.8994	5417925.225	Used in Model	Y: 27.1	nm	Y: 9.5	Y: 117	Y: 424	nm	nm	nm	nm	As, Cd, Cu, Pb	279.47	N/A	
LeRoi2005	003-GA	LR-NC-SS-003-GA-01	Single	Soil	442257.885	5417893.662	Used in Model	N: 12.1	nm	Y: 4.6	Y: 66.4	Y: 221	nm	nm	nm	nm	Cd, Cu, Pb	268.19	N/A	
LeRoi2005	003-PA	LR-NC-SS-003-PA-01	Single	Soil	442275.6099	5417910.85	Used in Model	N: 10.4	nm	Y: 4.9	Y: 61.5	Y: 264	nm	nm	nm	nm	Cd, Cu, Pb	268.19	N/A	
LeRoi2005	003-SY	LR-NC-SS-003-SY-01	Single	Soil	442247.5135	5417908.397	Used in Model	Y: 25.2	nm	Y: 8.4	Y: 116	Y: 447	nm	nm	nm	nm	As, Cd, Cu, Pb	249.98	N/A	
LeRoi2005	004-BY	LR-NC-SS-004-BY-01	Single	Soil	442430.2909	5417940.694	Used in Model	Y: 37	nm	Y: 11.5	Y: 178	Y: 559	nm	nm	nm	nm	As, Cd, Cu, Pb	395.83	N/A	
LeRoi2005	004-FY	LR-NC-SS-004-FY-01	Single	Soil	442447.3219	5417958.455	Used in Model	N: 13	nm	Y: 59.3	Y: 68.8	Y: 235	nm	nm	nm	nm	Cd, Cu, Pb	444.25	N/A	
LeRoi2005	005-FY	LR-NC-SS-005-FY-01	Single	Soil	442468.0096	5417918.276	Used in Model	N: 14.4	nm	Y: 8.5	Y: 146	Y: 433	nm	nm	nm	nm	Cd, Cu, Pb	443.07	N/A	
LeRoi2005	005-PA	LR-NC-SS-005-PA-01	Single	Soil	442448.9862	5417904.356	Used in Model	N: 16.2	nm	Y: 7.6	Y: 210	Y: 1580	nm	nm	nm	nm	Cd, Cu, Pb	395.38	N/A	
LeRoi2005	005-SY	LR-NC-SS-005-SY-01	Single	Soil	442441.5767	5417878.529	Used in Model	N: 9.6	nm	Y: 5.3	Y: 56.9	Y: 201	nm	nm	nm	nm	Cd, Cu, Pb	370.99	N/A	
LeRoi2005	006-FY; 006-SY	LR-NC-SS-006-FY-01; LR-NC-SS-006-SY-01	Single	Soil	442506.4507	5417929.331	Used in Model	N: 14.9	nm	Y: 4.075	Y: 68.1	Y: 179.4	nm	nm	nm	nm	Cd, Cu, Pb	464.83	N/A	
LeRoi2005	007-FY	LR-NC-SS-007-FY-01	Single	Soil	442271.5193	5417872.518	Used in Model	Y: 93.5	nm	Y: 20.8	Y: 377	Y: 1060	nm	nm	nm	nm	As, Cd, Cu, Pb	256.85	N/A	
LeRoi2005	008-BY	LR-NC-SS-008-BY-01	Single	Soil	442403.2681	5417839.16	Used in Model	N: 3.3	nm	N: <0.65	N: 16	N: 22	nm	nm	nm	nm	none	313.55	N/A	
LeRoi2005	008-FY	LR-NC-SS-008-FY-01	Single	Soil	442345.0873	5417773.664	Used in Model	N: 4.1	nm	N: 0.91	N: 20.3	N: 44.5	nm	nm	nm	nm	none	263.22	N/A	
LeRoi2005	009-BY	LR-NC-SS-009-BY-01	Single	Soil	442330.9066	5417812.294	Used in Model	N: 9.9	nm	Y: 5.5	Y: 48.7	Y: 278	nm	nm	nm	nm	Cd, Cu, Pb	264.24	N/A	
LeRoi2005	009-FY	LR-NC-SS-009-FY-01	Single	Soil	442342.6505	5417832.606	Used in Model	N: 23.1	nm	Y: 5.3	Y: 98.5	Y: 360	nm	nm	nm	nm	Cd, Cu, Pb	278.88	N/A	
LeRoi2005	009-SY	LR-NC-SS-009-SY-01	Single	Soil	442368.1489	5417824.1	Used in Model	N: 10.7	nm	Y: 4.6	Y: 53.2	Y: 258	nm	nm	nm	nm	Cd, Cu, Pb	279.54	N/A	
LeRoi2005	010-FY	LR-NC-SS-010-FY-01	Single	Soil	442321.3421	5417856.241	Used in Model	N: 5.8	nm	N: 1.6	N: 27.7	N: 72.9	nm	nm	nm	nm	none	278.88	N/A	
LeRoi2005	010-PA	LR-NC-SS-010-PA-01	Single	Soil	442361.641	5417867.372	Used in Model	N: 4.7	nm	N: 1.5	N: 20.5	N: 93.4	nm	nm	nm	nm	none	313.12	N/A	
LeRoi2005	010-SY	LR-NC-SS-010-SY-01	Single	Soil	442340.7297	5417867.848	Used in Model	N: 7.2	nm	N: 2.3	N: 36	N: 72.4	nm	nm	nm	nm	none	293.7	N/A	
LeRoi2005	011-BY	LR-NC-SS-011-BY-01	Single	Soil	442686.7524	5418225.294	Used in Model	N: 17	nm	Y: 8.2	Y: 104	Y: 503	nm	nm	nm	nm	Cd, Cu, Pb	872.9	N/A	
LeRoi2005	011-GA	LR-NC-SS-011-GA-01	Single	Soil	442682.6572	5418198.247	Used in Model	Y: 24	nm	Y: 11.3	Y: 126	Y: 452	nm	nm	nm	nm	As, Cd, Cu, Pb	854.64	N/A	
LeRoi2005	011-SY	LR-NC-SS-011-SY-01	Single	Soil	442717.688	5418244.429	Used in Model	N: 7.8	nm	N: 2.7	N: 40	Y: 126	nm	nm	nm	nm	Pb	878.93	N/A	
LeRoi2005	012-BY	LR-NC-SS-012-BY-01	Single	Soil	442644.1726	5418304.783	Used in Model	Y: 24	nm	Y: 5.2	Y: 123	Y: 221	nm	nm	nm	nm	As, Cd, Cu, Pb	878.39	N/A	
LeRoi2005	012-SY	LR-NC-SS-012-SY-01	Single	Soil	442640.5182	5418295.293	Used in Model	Y: 37.5	nm	Y: 22	Y: 208	Y: 1020	nm	nm	nm	nm	As, Cd, Cu, Pb	857.01	N/A	
LeRoi2005	013-FY	LR-NC-SS-013-FY-01	Single	Soil	442659.0077	5418240.949	Used in Model	Y: 32.5	nm	Y: 35.2	Y: 155	Y: 1290	nm	nm	nm	nm	As, Cd, Cu, Pb	859.39	N/A	
LeRoi2005	013-SY	LR-NC-SS-013-SY-01	Single	Soil	442676.3614	5418258.045	Used in Model	N: 20.9	nm	Y: 7.6	Y: 95.1	Y: 680	nm	nm	nm	nm	Cd, Cu, Pb	885.58	N/A	
LeRoi2005	014-FY	LR-NC-SS-014-FY-01	Single	Soil	442535.6544	5418271.639	Used in Model	Y: 28.7	nm	Y: 11.3	Y: 148	Y: 616	nm	nm	nm	nm	As, Cd, Cu, Pb	749.84	N/A	
LeRoi2005	015-FY	LR-NC-SS-015-FY-01	Single	Soil	442527.5654	5418298.736	Used in Model	Y: 41.9	nm	Y: 12.7	Y: 180	Y: 643	nm	nm	nm	nm	As, Cd, Cu, Pb	755.01	N/A	
LeRoi2005	016-BY	LR-NC-SS-016-BY-01	Single	Soil	442415.7992	5418338.545	Used in Model	N: 16.7	nm	Y: 6.4	Y: 84.1	Y: 404	nm	nm	nm	nm	Cd, Cu, Pb	567.38	N/A	
LeRoi2005	016-FY	LR-NC-SS-016-FY-01	Single	Soil	442394.0565	5418341.495	Used in Model	N: 23.1	nm	Y: 16.8	Y: 122	Y: 720	nm	nm	nm	nm	Cd, Cu, Pb	520.23	N/A	
LeRoi2005	016-GA	LR-NC-SS-016-GA-01	Single	Soil	442415.6908	5418331.967	Used in Model	N: 18.3	nm	Y: 8	Y: 122	Y: 606	nm	nm	nm	nm	Cd, Cu, Pb	570.65	N/A	
LeRoi2005	017-SY	LR-NC-SS-017-SY-01	Single	Soil	442462.3927	5418528.513	Used in Model	N: 7.3	nm	N: 3.1	N: 28.8	Y: 243	nm	nm	nm	nm	Pb	540.2	N/A	
LeRoi2005	018-FY	LR-NC-SS-018-FY-01	Single	Soil	442694.5134	5418163.52	Used in Model	N: 14	nm	Y: 8.2	Y: 86.7	Y: 417	nm	nm	nm	nm	Cd, Cu, Pb	831.31	N/A	
LeRoi2005	018-PA	LR-NC-SS-018-PA-01	Single	Soil	442722.6115	5418166.576	Used in Model	N: 11.4	nm	Y: 5.8	Y: 77.9	Y: 302	nm	nm	nm	nm	Cd, Cu, Pb	836.62	N/A	
LeRoi2005	019-BY	LR-NC-SS-019-BY-01	Single	Soil	442694.4261	5418122.925	Used in Model	N: 16.2	nm	Y: 9.9	Y: 64.7	Y: 593	nm	nm	nm	nm	Cd, Cu, Pb	771.97	N/A	
LeRoi2005	019-FY	LR-NC-SS-019-FY-01	Single	Soil	442663.7192	5418147.707	Used in Model	N: 11.6	nm	Y: 5.8	Y: 57.6	Y: 293	nm	nm	nm	nm	Cd, Cu, Pb	792.12	N/A	
LeRoi2005	019-SP	LR-NC-SS-019-SP-01	Single	Soil	442648.0277	5418113.176	Used in Model	N: 15.4	nm	Y: 5.8	Y: 96.3	Y: 378	nm	nm	nm	nm	Cd, Cu, Pb	761.54	N/A	
LeRoi2005	019-SY	LR-NC-SS-019-SY-01	Single	Soil	442698.2628	5418146.133	Used in Model	N: 18.2	nm	Y: 6.5	Y: 100	Y: 386	nm	nm	nm	nm	Cd, Cu, Pb	803.52	N/A	
LeRoi2005	020-BY	LR-NC-SS-020-BY-01	Single	Soil	442411.5687	5418096.297	Used in Model	N: 23	nm	Y: 3.9	Y: 108	Y: 342	nm	nm	nm	nm	Cd, Cu, Pb	497.61	N/A	
LeRoi2005	020-FY	LR-NC-SS-020-FY-01	Single	Soil	442398.0791	5418120.234	Used in Model	N: 17	nm	Y: 6.5	Y: 89.3	Y: 289	nm	nm	nm	nm	Cd, Cu, Pb	475.86	N/A	
LeRoi2005	021-FY	LR-NC-SS-021-FY-01	Single	Soil	442458.6488	5418182.753	Used in Model	Y: 31.5	nm	Y: 14	Y: 158	Y: 795	nm	nm	nm	nm	As, Cd, Cu, Pb	586.44	N/A	
LeRoi2005	022-BY	LR-NC-SS-022-BY-01	Single	Soil	442779.9536	5418491.87	Used in Model	N: 8.9	nm	N: 3.1	Y: 45.7	N: 105	nm	nm	nm	nm	Cu	785.4	N/A	
LeRoi2005	023-GA	LR-NC-SS-023-GA-01	Single	Soil	442418.1351	5417997.434	Used in Model	N: 11.6	nm	Y: 4.5	Y: 57.7	Y: 224	nm	nm	nm	nm	Cd, Cu, Pb	438.76	N/A	
LeRoi2005	024-BY	LR-NC-SS-024-BY-01	Single	Soil	442560.3442	5418074.91	Used in Model	N: 14	nm	Y: 5.7	Y: 58.1	Y: 215	nm	nm	nm	nm	Cd, Cu, Pb	667.54	N/A	
LeRoi2005	024-FY	LR-NC-SS-024-FY-01	Single	Soil	442542.4857	5418068.929	Used in Model	N: 15.1	nm	Y: 4.3	Y: 60.1	Y: 174	nm	nm	nm	nm	Cd, Cu, Pb	638.34	N/A	
LeRoi2005	024-GA	LR-NC-SS-024-GA-01	Single	Soil	442566.6611	5418059.746	Used in Model	N: 18.5	nm	Y: 6.9	Y: 96.9	Y: 313	nm	nm	nm	nm	Cd, Cu, Pb	636.95	N/A	
LeRoi2005	025-SY	LR-NC-SS-025-SY-01	Single	Soil	442569.8122	5418075.69	Used in Model	N: 14.2	nm	Y: 6.1	Y: 60.4	Y: 342	nm	nm	nm	nm	Cd, Cu, Pb	667.54	N/A	
LeRoi2005	027-GA	LR-NC-SS-027-GA-01	Single	Soil	442569.8563	5418314.738	Used in Model	N: 20.9	nm	Y: 8.2	Y: 117	Y: 359	nm	nm	nm	nm	Cd, Cu, Pb	795.12	N/A	
LeRoi2005	027-PA	LR-NC-SS-027-PA-01	Single	Soil	442564.3473	5418300.292	Used in Model	Y: 63.4	nm	Y: 15.9	Y: 267	Y: 771	nm	nm	nm	nm	As, Cd, Cu, Pb	794.38	N/A	
LeRoi2005	028-SY	LR-NC-SS-028-SY-01	Single	Soil	442473.4645	5417976.317	Used in Model	Y: 34.8	nm	Y: 11.2	Y: 151	Y: 420	nm	nm	nm	nm	As, Cd, Cu, Pb	470.15	N/A	
LeRoi2005	029-BY	LR-NC-SS-029-BY-01	Single	Soil	442458.2468	5418241.708	Used in Model	N: 18.8	nm	Y: 9.3	Y: 108	Y: 550	nm	nm	nm	nm	Cd, Cu, Pb	608.73	N/A	
LeRoi2005	029-FY	LR-NC-SS-029-FY-01	Single	Soil	442451.082	5418257.663	Used in Model	Y: 37.9	nm	Y: 22	Y: 176	Y: 1440	nm	nm	nm	nm	As, Cd, Cu, Pb	615.33	N/A	
LeRoi2005	029-GA	LR-NC-SS-029-GA-01	Single	Soil	442477.405	5418240.978	Used in Model	N: 22.4	nm	Y: 9.4	Y: 141	Y: 528	nm	nm	nm	nm	Cd, Cu, Pb	654.38	N/A	
LeRoi2005	030-BY	LR-NC-SS-030-BY-01	Single	Soil	442272.8989	5418412.172	Used in Model	N: 9.8	nm	Y: 4.5	Y: 56.4	Y: 311	nm	nm	nm	nm	Cd, Cu, Pb	342.79	N/A	
LeRoi2005	030-FY	LR-NC-SS-030-FY-01	Single	Soil	442276.2848	5418443.553	Used in Model	N: 5.4	nm	Y: 4.3	N: 34.5									

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								Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC	
LeRoi2005	040-BY; 040-FY	LR-NC-SS-040-BY-01; LR-NC-SS-040-FY-01	Single	Soil	442435.3327	5418169.931	Used in Model	Y: 33.3	nm	Y: 15.9	Y: 170.5	Y: 933.5	nm	nm	nm	nm	As, Cd, Cu, Pb	586.44	N/A	
LeRoi2005	042-FY	LR-NC-SS-042-FY-01	Single	Soil	442910.7742	5418502.24	Used in Model	Y: 30.6	nm	Y: 8.9	Y: 170	Y: 569	nm	nm	nm	nm	As, Cd, Cu, Pb	725.86	N/A	
LeRoi2005	043-FY	LR-NV-SS-043-FY-01	Single	Soil	447543.0741	5414668.959	Used in Model	N: 5.6	nm	N: 2.1	N: 37.2	N: 28.2	nm	nm	nm	nm	none	106.85	N/A	
LeRoi2005	043-SY	LR-NV-SS-043-SY-01	Single	Soil	447538.4457	5414628.317	Used in Model	N: 8.6	nm	N: 3.1	Y: 51.1	N: 32.2	nm	nm	nm	nm	Cu	105.66	Cu	
LeRoi2005	044-FY	LR-NV-SS-044-FY-01	Single	Soil	446148.0087	5419631.621	Used in Model	N: 1.9	nm	N: 0.31	N: 5.8	N: 12	nm	nm	nm	nm	none	63.23	N/A	
LeRoi2005	044-GA	LR-NV-SS-044-GA-01	Single	Soil	446165.4945	5419579.189	Used in Model	N: 5.6	nm	N: 1.2	N: 11.2	N: 41.3	nm	nm	nm	nm	none	67.91	N/A	
LeRoi2005	045-FY	LR-NV-SS-045-FY-01	Single	Soil	448574.0607	5422009.439	Used in Model	N: 14.3	nm	Y: 4.7	N: 18.9	Y: 257	nm	nm	nm	nm	Cd, Pb	303.33	N/A	
LeRoi2005	045-GABY	LR-NV-SS-045-GABY-01	Single	Soil	448529.0121	5421997.451	Used in Model	N: 13.4	nm	N: 3.6	N: 22.1	Y: 139	nm	nm	nm	nm	Pb	297.56	N/A	
LeRoi2005	045-GAFY	LR-NV-SS-045-GAFY-01	Single	Soil	448591.0212	5422016.084	Used in Model	N: 12.1	nm	N: 2.7	N: 22.4	Y: 169	nm	nm	nm	nm	Pb	304.28	N/A	
LeRoi2005	046-FY	LR-NV-SS-046-FY-01	Single	Soil	446255.4679	5424119.595	Used in Model	N: 7.5	nm	N: 0.38	N: 18.8	N: 54.8	nm	nm	nm	nm	none	199.59	N/A	
LeRoi2005	046-GA	LR-NV-SS-046-GA-01	Single	Soil	446281.8191	5424150.867	Used in Model	N: 18.4	nm	N: 0.55	N: 19.9	N: 54.8	nm	nm	nm	nm	none	202.62	N/A	
LeRoi2005	047-BY	LR-NV-SS-047-BY-01	Single	Soil	447732.1623	5414997.371	Used in Model	N: 8.2	nm	Y: 4.9	Y: 45	N: 71.6	nm	nm	nm	nm	Cd, Cu	150.09	N/A	
LeRoi2005	047-FY	LR-NV-SS-047-FY-01	Single	Soil	447696.5401	5415000.918	Used in Model	N: 7.6	nm	Y: 4.7	N: 34.4	N: 68.5	nm	nm	nm	nm	Cd	148.06	N/A	
LeRoi2005	048-BY	LR-NV-SS-048-BY-01	Single	Soil	442251.3358	5418017.389	Used in Model	N: 6.8	nm	N: 2.1	N: 35.5	Y: 146	nm	nm	nm	nm	Pb	287.3	N/A	
LeRoi2005	049-BY	LR-NC-SS-049-BY-01	Single	Soil	442408.9594	5418185.877	Used in Model	N: 9.8	nm	N: 2.8	Y: 52.5	N: 19	nm	nm	nm	nm	Cu	543.34	N/A	
LeRoi2005	049-SY	LR-NC-SS-049-SY-01	Single	Soil	442407.0878	5418165.171	Used in Model	N: 19.5	nm	Y: 5.5	Y: 87.7	Y: 267	nm	nm	nm	nm	Cd, Cu, Pb	543.34	N/A	
LeRoi2005	050-GA	LR-NC-SS-050-GA-01	Single	Soil	442339.6046	5418078.122	Used in Model	N: 11.4	nm	Y: 3.8	Y: 60.6	Y: 218	nm	nm	nm	nm	Cd, Cu, Pb	391.18	N/A	
LeRoi2005	050-SY	LR-NC-SS-050-SY-01	Single	Soil	442326.3714	5418057.729	Used in Model	N: 6.9	nm	N: 2	N: 32.4	N: 95.9	nm	nm	nm	nm	none	379.09	N/A	
LeRoi2005	051-GA	LR-NC-SS-051-GA-01	Single	Soil	442472.4829	5418083.684	Used in Model	N: 8.8	nm	N: 3.5	Y: 49.5	Y: 160	nm	nm	nm	nm	Cu, Pb	570.93	N/A	
LeRoi2005	052-BY	LR-NC-SS-052-BY-01	Single	Soil	442317.0368	5418023.074	Used in Model	N: 8	nm	N: 2.4	Y: 50.9	Y: 142	nm	nm	nm	nm	Cu, Pb	366.07	N/A	
LeRoi2005	052-PA	LR-NC-SS-052-PA-01	Single	Soil	442326.5739	5417995.831	Used in Model	N: 10	nm	N: 2.5	Y: 52.2	Y: 137	nm	nm	nm	nm	Cu, Pb	352.33	N/A	
LeRoi2005	053-BY	LR-NC-SS-053-BY-01	Single	Soil	442429.1544	5417879.169	Used in Model	N: 4.5	nm	N: 2.5	N: 37.7	Y: 112	nm	nm	nm	nm	Pb	352.15	N/A	
LeRoi2005	053-FY	LR-NC-SS-053-FY-01	Single	Soil	442422.8723	5417902.856	Used in Model	N: 8.4	nm	Y: 4.5	Y: 52.7	Y: 211	nm	nm	nm	nm	Cd, Cu, Pb	373.97	N/A	
LeRoi2005	054-GA	LR-NC-SS-054-GA-01	Single	Soil	442241.557	5418206.619	Used in Model	N: 4.3	nm	N: 1.4	N: 20.9	N: 73.2	nm	nm	nm	nm	none	319.32	N/A	
LeRoi2005	054-PA	LR-NC-SS-054-PA-01	Single	Soil	442273.7369	5418210.822	Used in Model	N: 8	nm	N: 1.6	N: 40.8	Y: 107	nm	nm	nm	nm	Pb	352.21	N/A	
LeRoi2005	055-BY	LR-NC-SS-055-BY-01	Single	Soil	442431.3919	5418107.759	Used in Model	N: 17.1	nm	Y: 8.4	Y: 89.1	Y: 468	nm	nm	nm	nm	Cd, Cu, Pb	514.69	N/A	
LeRoi2005	055-PA	LR-NC-SS-055-PA-01	Single	Soil	442421.3082	5418132.058	Used in Model	N: 17.4	nm	Y: 16.8	Y: 92.7	Y: 839	nm	nm	nm	nm	Cd, Cu, Pb	530.03	N/A	
LeRoi2005	056-BY	LR-NC-SS-056-BY-01	Single	Soil	442563.3373	5418534.127	Used in Model	N: 5.5	nm	N: 2.1	N: 31	Y: 164	nm	nm	nm	nm	Pb	680.26	N/A	
LeRoi2005	056-SY	LR-NC-SS-056-SY-01	Single	Soil	442573.6353	5418585.269	Used in Model	N: 9.7	nm	Y: 5.5	Y: 62	Y: 510	nm	nm	nm	nm	Cd, Cu, Pb	626.02	N/A	
LeRoi2005	057-GA	LR-NC-SS-057-GA-01	Single	Soil	442607.5815	5418273.953	Used in Model	Y: 34.3	nm	Y: 15.6	Y: 182	Y: 896	nm	nm	nm	nm	As, Cd, Cu, Pb	822.62	N/A	
LeRoi2005	058-FY	LR-NC-SS-058-FY-01	Single	Soil	442544.1451	5418235.878	Used in Model	Y: 41.3	nm	Y: 12.9	Y: 189	Y: 634	nm	nm	nm	nm	As, Cd, Cu, Pb	740.28	N/A	
LeRoi2005	059-BY	LR-NC-SS-059-BY-01	Single	Soil	442513.2966	5418259.672	Used in Model	N: 16.9	nm	Y: 8.9	Y: 87.9	Y: 486	nm	nm	nm	nm	Cd, Cu, Pb	707.21	N/A	
LeRoi2005	059-FY	LR-NC-SS-059-FY-01	Single	Soil	442494.7036	5418283.13	Used in Model	Y: 26.8	nm	Y: 34.9	Y: 134	Y: 2400	nm	nm	nm	nm	As, Cd, Cu, Pb	711.78	N/A	
LeRoi2005	060-SY	LR-NC-SS-060-SY-01	Single	Soil	442494.1432	5418095.369	Used in Model	N: 7	nm	N: 2.8	N: 39.4	Y: 138	nm	nm	nm	nm	Pb	605.84	N/A	
LeRoi2005	061-FY	LR-NC-SS-061-FY-01	Single	Soil	442646.2025	5418175.944	Used in Model	N: 10.9	nm	Y: 5.9	Y: 50.9	Y: 359	nm	nm	nm	nm	Cd, Cu, Pb	819.03	N/A	
LeRoi2005	061-SY	LR-NC-SS-061-SY-01	Single	Soil	442625.7787	5418160.256	Used in Model	Y: 39.2	nm	Y: 10.7	Y: 130	Y: 867	nm	nm	nm	nm	As, Cd, Cu, Pb	800.06	N/A	
LeRoi2005	062-FY	LR-NC-SS-062-FY-01	Single	Soil	442661.0915	5418428.609	Used in Model	N: 20.6	nm	Y: 9.2	Y: 118	Y: 514	nm	nm	nm	nm	Cd, Cu, Pb	826.17	N/A	
LeRoi2005	063B-FY	LR-NV-SS-063B-FY-01	Single	Soil	441264.4825	5415564.004	Used in Model	N: 6.5	nm	N: 2	N: 16	N: 58.9	nm	nm	nm	nm	none	146.87	N/A	
LeRoi2005	064-BY	LR-NC-SS-064-BY-01	Single	Soil	442271.6317	5417779.703	Used in Model	N: 13.3	nm	Y: 7.4	Y: 73.1	Y: 417	nm	nm	nm	nm	Cd, Cu, Pb	223.52	N/A	
LeRoi2005	064-GA	LR-NC-SS-064-GA-01	Single	Soil	442290.0859	5417772.697	Used in Model	N: 6.1	nm	Y: 4.6	Y: 42.7	Y: 225	nm	nm	nm	nm	Cd, Cu, Pb	236.56	N/A	
LeRoi2005	065-FY	LR-NC-SS-065-FY-01	Single	Soil	442501.24	5418405.153	Used in Model	N: 19.8	nm	Y: 5.5	Y: 76.3	Y: 370	nm	nm	nm	nm	Cd, Cu, Pb	689.15	N/A	
LeRoi2005	066-BY	LR-NC-SS-066-BY-01	Single	Soil	442732.7666	5418382.472	Used in Model	N: 7	nm	N: 1.5	N: 19.1	N: 61.4	nm	nm	nm	nm	none	882.36	N/A	
LeRoi2005	067-BY	LR-NC-SS-067-BY-01	Single	Soil	442247.7524	5418241.733	Used in Model	N: 6.5	nm	N: 2.4	N: 34.6	Y: 120	nm	nm	nm	nm	Pb	320.74	N/A	
LeRoi2005	067-PA	LR-NC-SS-067-PA-01	Single	Soil	442272.3594	5418246.176	Used in Model	N: 5.4	nm	N: 1.5	N: 26.9	N: 91.7	nm	nm	nm	nm	none	354.66	N/A	
LeRoi2005	068-FY	LR-NC-SS-068-FY-01	Single	Soil	442458.2585	5418307.946	Used in Model	N: 21.9	nm	Y: 6.2	Y: 109	Y: 303	nm	nm	nm	nm	Cd, Cu, Pb	618.62	N/A	
LeRoi2005	068-SY	LR-NC-SS-068-SY-01	Single	Soil	442478.3586	5418326.641	Used in Model	Y: 44.4	nm	Y: 10.2	Y: 169	Y: 610	nm	nm	nm	nm	As, Cd, Cu, Pb	666.1	N/A	
LeRoi2005	069-FY	LR-NC-SS-069-FY-01	Single	Soil	443008.1355	5418610.722	Used in Model	N: 3.2	nm	N: 0.85	N: 14.6	N: 34.3	nm	nm	nm	nm	none	554.88	N/A	
LeRoi2005	070-FY	LR-NC-SS-070-FY-01	Single	Soil	442313.8566	5418274.647	Used in Model	N: 11.4	nm	N: 2.6	Y: 50.7	Y: 199	nm	nm	nm	nm	Cu, Pb	393.43	N/A	
LeRoi2005	072-BY	LR-NV-SS-072-BY-01	Single	Soil	438741.7959	5414670.635	Used in Model	N: 3.1	nm	N: 0.77	N: 15.9	N: 37.5	nm	nm	nm	nm	none	113.46	N/A	
LeRoi2005	072-SY	LR-NV-SS-072-SY-01	Single	Soil	438717.2106	5414621.191	Used in Model	N: 3.6	nm	N: 1.1	N: 13.1	N: 36.1	nm	nm	nm	nm	none	119.92	N/A	
LeRoi2005	074-SY	LR-NC-SS-074-SY-01	Single	Soil	442283.0742	5418224.245	Used in Model	N: 16.4	nm	Y: 6.2	Y: 82.3	Y: 316	nm	nm	nm	nm	Cd, Cu, Pb	354.66	N/A	
Teck_2016_ResSoil	075-A1-IC	16R-075-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.83	N: 167	N: 2.34	N: 21.1	N: 83.3	N: 451	nm	N: 0.34	Y: 172	Zn	179.49	N/A	
LeRoi2005	075-GA	LR-NV-SS-075-GA-01	Single	Soil	451336.9827	5426417.473	Used in Model	N: 6.5	nm	N: 2.4	N: 12.9	Y: 107	nm	nm	nm	nm	Pb	175.8	N/A	
Teck_2016_ResSoil	075-H1-IC-01	16R-075-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.8	N: 175	N: 3.32	N: 29.8	Y: 119	N: 496	nm	N: 0.4	Y: 254	Pb, Zn	178.43	N/A	
LeRoi2005	075-PA	LR-NV-SS-075-PA-01	Single	Soil	451333.9157	5426439.35	Used in Model	N: 7.8	nm	Y: 4	N: 14.3	Y: 173	nm	nm	nm	nm	Cd, Pb	174.17	N/A	
LeRoi2005	076-FY	LR-NV-SS-076-FY-01	Single	Soil	445806.8098	5422826.556	Used in Model	N: 7.4	nm	N: 2.8	N: 14.6	Y: 120	nm	nm	nm	nm	Pb	270.17	N/A	
Teck_2016_ResSoil	076-G1-IC	16R-076-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.5	N: 226	N: 2.74	N: 23.1	N: 101	N: 591	nm	Y: 0.59	Y: 301	Se, Zn	272.64	N/A	
Teck_2016_ResSoil	076-G2-IC	16R-076-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 17.6	N: 226	N: 3.14	N: 27.8	Y: 113	N: 720	nm	N: 0.36	Y: 209	Pb, Zn	256.44	N/A	
LeRoi2005	076-GA	LR-NV-SS-076-GA-01	Single	Soil	445772.7186	5422754.596	Used in Model	N: 6.1	nm	N: 1.9	N: 12.9	N: 72.2	nm	nm	nm	nm	none	270.64	N/A	
Teck_2016_ResSoil	076-H1-IC	16R-076-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.7	Y: 396	N: 3.36	N: 30.2	Y: 111	N: 978	nm	N: 0.33	Y: 373	Ba, Pb, Zn	264.87	N/A	
Teck_2016_ResSoil	076-H2-IC-01	16R-076-H2-IC-01	Multipoint																	

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
Teck_2016_ResSoil	078-O1-IC	16R-078-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 3.68	N: 118	N: 0.877	N: 11.4	N: 38.1	N: 304	nm	N: 0.11	N: 88.6	none	99.78	N/A
LeRoi2005	078-SY	LR-NC-SS-078-SY-01	Single	Soil	442969.5801	5418536.439	Used in Model	N: 10.1	nm	Y: 3.8	Y: 47.8	Y: 233	nm	nm	nm	nm	Cd, Cu, Pb	658.94	N/A
LeRoi2005	079-FY	LR-NC-SS-079-FY-01	Single	Soil	443000.2882	5418535.836	Used in Model	Y: 40.4	nm	Y: 12.9	Y: 133	Y: 997	nm	nm	nm	nm	As, Cd, Cu, Pb	635.11	N/A
Teck_2016_ResSoil	079-H1-IC	16R-079-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.74	N: 206	N: 2.2	N: 16.8	N: 83	N: 435	nm	N: 0.18	Y: 168	Zn	163.54	N/A
Teck_2016_ResSoil	079-H2-IC-01	16R-079-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 18.1	N: 331	N: 3.51	N: 24.3	Y: 146	N: 698	nm	N: 0.27	Y: 274	Pb, Zn	255.79	N/A
LeRoi2005	080-BY	LR-NC-SS-080-BY-01	Single	Soil	443019.9964	5418531.892	Used in Model	N: 11.5	nm	Y: 3.9	Y: 50	Y: 282	nm	nm	nm	nm	Cd, Cu, Pb	610.21	N/A
Teck_2016_ResSoil	080-H1-IC-01	16R-080-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.7	N: 154	N: 1.04	N: 31.4	N: 29.5	N: 551	nm	N: 0.23	Y: 118	Zn	100.58	N/A
Teck_2016_ResSoil	081-A1-IC	16R-081-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.84	N: 155	N: 1.19	N: 18.8	N: 43.1	N: 426	nm	N: 0.25	Y: 140	Zn	156.74	N/A
Teck_2016_ResSoil	081-H1-IC-01	16R-081-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.5	N: 137	N: 1.65	N: 28.5	N: 54.6	N: 476	nm	N: 0.39	Y: 184	Zn	159.7	N/A
Teck_2016_ResSoil	081-O1-IC	16R-081-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.9	N: 148	Y: 4.16	N: 26.2	Y: 150	N: 620	nm	N: 0.29	Y: 224	Cd, Pb, Zn	161.17	N/A
Teck_2016_ResSoil	082-G1-IC	16R-082-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.65	N: 101	N: 0.657	N: 12.4	N: 27.1	N: 310	nm	N: 0.23	N: 67.7	none	91.12	N/A
Teck_2016_ResSoil	082-G2-IC	16R-082-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.54	N: 140	N: 1.26	N: 13.9	N: 48.8	N: 386	nm	N: 0.18	Y: 113	Zn	98.34	N/A
Teck_2016_ResSoil	082-H1-IC-01	16R-082-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.29	N: 113	N: 1.21	N: 12	N: 49.7	N: 362	nm	N: 0.16	N: 94.9	none	90	N/A
Teck_2016_ResSoil	082-N1-IC	16R-082-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.7	N: 131	N: 1.08	N: 13.1	N: 42.1	N: 369	nm	N: 0.18	N: 101	none	96.79	N/A
Teck_2016_ResSoil	082-N2-IC	16R-082-N2-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.38	N: 119	N: 1.34	N: 13.5	N: 51	N: 403	nm	N: 0.15	Y: 119	Zn	97.74	N/A
LeRoi2005	082-SY	LR-NC-SS-082-SY-01	Single	Soil	443032.3576	5418522.553	Used in Model	N: 22.5	nm	Y: 11.1	Y: 129	Y: 700	nm	nm	nm	nm	Cd, Cu, Pb	610.21	N/A
Teck_2016_ResSoil	083-G1-IC	16R-083-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.07	N: 179	N: 1.22	N: 19.9	N: 42.1	N: 384	nm	N: 0.32	N: 83.2	none	94.22	N/A
Teck_2016_ResSoil	083-G2-IC	16R-083-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.63	N: 158	N: 1.13	N: 17.9	N: 36.4	N: 384	nm	N: 0.34	N: 88.2	none	94.22	N/A
Teck_2016_ResSoil	083-H1-IC-01	16R-083-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.21	N: 136	N: 1.41	N: 20.1	N: 45.3	N: 383	nm	N: 0.24	N: 106	none	95.5	N/A
LeRoi2005	084-BY	LR-NC-SS-084-BY-01	Single	Soil	442437.8966	5418309.443	Used in Model	Y: 26.5	nm	Y: 8.6	Y: 125	Y: 506	nm	nm	nm	nm	As, Cd, Cu, Pb	618.55	N/A
Teck_2016_ResSoil	084-H1-IC-01	16R-084-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.71	N: 194	N: 0.97	N: 17.4	N: 42.8	N: 488	nm	N: 0.26	N: 101	none	165.46	N/A
LeRoi2005	084-SY	LR-NC-SS-084-SY-01	Single	Soil	442423.7985	5418290.214	Used in Model	Y: 29	nm	Y: 10.5	Y: 128	Y: 529	nm	nm	nm	nm	As, Cd, Cu, Pb	570.98	N/A
LeRoi2005	085-GA	LR-NC-SS-085-GA-01	Single	Soil	442881.5463	5418603.169	Used in Model	N: 11.5	nm	Y: 5.7	Y: 65.3	Y: 388	nm	nm	nm	nm	Cd, Cu, Pb	663.72	N/A
Teck_2016_ResSoil	085-H1-IC-01	16R-085-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.95	N: 150	N: 1.92	N: 15.7	N: 71.9	N: 494	nm	N: 0.22	Y: 139	Zn	189.47	N/A
Teck_2016_ResSoil	085-O1-IC	16R-085-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.1	N: 204	N: 2.54	Y: 46.9	N: 94.7	N: 549	nm	N: 0.29	Y: 217	Cu, Zn	199.5	N/A
Teck_2016_ResSoil	085-P1-IC	16R-085-P1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.8	Y: 547	Y: 4.12	N: 23.2	Y: 144	N: 925	nm	N: 0.42	Y: 273	Ba, Cd, Pb, Zn	190.18	N/A
LeRoi2005	085-SY	LR-NC-SS-085-SY-01	Single	Soil	442870.9706	5418576.6	Used in Model	Y: 33.5	nm	Y: 10.5	Y: 150	Y: 1140	nm	nm	nm	nm	As, Cd, Cu, Pb	692.3	N/A
LeRoi2005	086-FY	LR-NC-SS-086-FY-01	Single	Soil	442475.3448	5418369.199	Used in Model	N: 13.2	nm	Y: 3.8	Y: 66.9	Y: 233	nm	nm	nm	nm	Cd, Cu, Pb	655.36	N/A
Teck_2016_ResSoil	086-G1-IC-01	16R-086-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.1	N: 198	N: 2.23	N: 27.5	N: 84.5	N: 588	nm	N: 0.28	Y: 146	Zn	136.28	N/A
Teck_2016_ResSoil	086-H1-IC	16R-086-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.82	N: 154	N: 1.73	N: 15.4	N: 72.3	N: 436	nm	N: 0.18	N: 106	none	145.28	N/A
Teck_2016_ResSoil	086-H2-IC	16R-086-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.2	N: 217	N: 3.08	N: 21	Y: 110	N: 593	nm	N: 0.27	Y: 156	Pb, Zn	138.75	N/A
LeRoi2005	086-SY	LR-NC-SS-086-SY-01	Single	Soil	442462.1653	5418375.017	Used in Model	N: 11.3	nm	Y: 3.9	Y: 57.3	Y: 319	nm	nm	nm	nm	Cd, Cu, Pb	608.55	N/A
LeRoi2005	087-BY	LR-NC-SS-087-BY-01	Single	Soil	442392.7684	5418482.245	Used in Model	N: 4.8	nm	Y: 10.8	Y: 42.6	Y: 347	nm	nm	nm	nm	Cd, Cu, Pb	486.66	N/A
Teck_2016_ResSoil	087-H1-IC-01	16R-087-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.63	N: 169	N: 1.71	N: 16.3	N: 60.7	N: 447	nm	N: 0.2	N: 93.1	none	131.37	N/A
Teck_2016_ResSoil	087-O1-IC	16R-087-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.5	N: 218	N: 3.14	N: 20.7	Y: 110	N: 600	nm	N: 0.26	Y: 146	Pb, Zn	129.92	N/A
LeRoi2005	087-SY	LR-NC-SS-087-SY-01	Single	Soil	442409.2361	5418504.055	Used in Model	N: 3.3	nm	N: 2.4	N: 22	Y: 183	nm	nm	nm	nm	Pb	515.74	N/A
LeRoi2005	088-BY	LR-NC-SS-088-BY-01	Single	Soil	442331.4314	5418124.763	Used in Model	N: 4.2	nm	N: <1.2	N: 22.3	N: 38.1	nm	nm	nm	nm	none	402.15	N/A
LeRoi2005	088-FY	LR-NC-SS-088-FY-01	Single	Soil	442351.0425	5418133.846	Used in Model	N: 8.5	nm	N: 2.4	N: 39.7	Y: 112	nm	nm	nm	nm	Pb	449.61	N/A
Teck_2016_ResSoil	088-H1-IC	16R-088-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 21.6	N: 237	Y: 5.5	N: 25	Y: 219	N: 642	nm	N: 0.32	Y: 228	Cd, Pb, Zn	189.69	N/A
Teck_2016_ResSoil	088-H2-IC-01	16R-088-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 15.5	N: 158	Y: 4.09	N: 17.5	Y: 179	N: 520	nm	N: 0.23	Y: 169	Cd, Pb, Zn	183.27	N/A
Teck_2016_ResSoil	088-O1-IC	16R-088-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 17.6	N: 232	Y: 3.86	N: 23.7	Y: 162	N: 633	nm	N: 0.3	Y: 238	Cd, Pb, Zn	193.4	N/A
Teck_2016_ResSoil	089-A1-IC	16R-089-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.6	N: 137	N: 2.03	N: 13.4	N: 95.6	N: 507	nm	N: 0.19	Y: 119	Zn	146.77	N/A
LeRoi2005	089-BY	LR-NC-SS-089-BY-01	Single	Soil	442447.9952	5417867.738	Used in Model	N: 15	nm	Y: 7.7	Y: 85.4	Y: 482	nm	nm	nm	nm	Cd, Cu, Pb	370.99	N/A
LeRoi2005	089-FY; 089-SY	LR-NC-SS-089-FY-01; LR-NC-SS-089-SY-01	Single	Soil	442463.7122	5417883.839	Used in Model	N: 21.95	nm	Y: 8.35	Y: 108.5	Y: 556.5	nm	nm	nm	nm	Cd, Cu, Pb	370.99	N/A
Teck_2016_ResSoil	089-H1-IC	16R-089-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.9	N: 136	N: 2.46	N: 13.4	Y: 113	N: 501	nm	N: 0.17	Y: 135	Pb, Zn	151.59	N/A
Teck_2016_ResSoil	089-O1-IC-01	16R-089-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.08	N: 130	N: 1.82	N: 12.9	N: 72.3	N: 485	nm	N: 0.17	Y: 114	Zn	159.13	N/A
LeRoi2005	090-BY; 090-FY; 090-GA	LR-NC-SS-090-BY-01; LR-NC-SS-090-FY-01; LR-NC-SS-090-GA-01	Single	Soil	442414.792	5418027.47	Used in Model	N: 16.46666666666667	nm	Y: 4.866666666666667	Y: 78.4	Y: 217.3333333333333	N: 501	nm	nm	nm	Cd, Cu, Pb	459.37	N/A
Teck_2016_ResSoil	090-H1-IC-01	16R-090-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.52	N: 183	N: 1.87	N: 16.8	Y: 117	N: 495	nm	N: 0.2	Y: 184	Pb, Zn	214.89	N/A
Teck_2016_ResSoil	090-O2-IC	16R-090-O2-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.46	N: 242	N: 1.73	N: 20	Y: 187	N: 649	nm	N: 0.22	Y: 230	Pb, Zn	216.55	N/A
LeRoi2005	091-BY	LR-NC-SS-091-BY-01	Single	Soil	442254.4832	5418134.29	Used in Model	N: 5.7	nm	N: 2	N: 27.6	N: 83.1	nm	nm	nm	nm	none	343.29	N/A
Teck_2016_ResSoil	091-G1-IC	16R-091-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.3	N: 155	N: 2.24	N: 22.3	N: 96.6	N: 474	nm	N: 0.29	Y: 133	Zn	149.66	N/A
Teck_2016_ResSoil	091-H1-IC-01	16R-091-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.7	N: 139	N: 1.8	N: 22	N: 71	N: 432	nm	N: 0.35	Y: 159	Zn	142.19	N/A
Teck_2016_ResSoil	092-O1-IC-01	16R-092-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.34	N: 144	Y: 4.31	N: 15.3	Y: 194	N: 304	nm	N: 0.34	Y: 227	Cd, Pb, Zn	178.27	N/A
Teck_2016_ResSoil	092-O2-IC	16R-092-O2-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.52	N: 112	N: 2.65	N: 15.2	Y: 121	N: 265	nm	N: 0.32	Y: 136	Pb, Zn	187.12	N/A
LeRoi2005	093-FY	LR-NC-SS-093-FY-01	Single	Soil	442233.9498	5418076.582	Used in Model	N: 6.7	nm	N: 2.6	N: 37.1	Y: 116	nm	nm	nm	nm	Pb	302.18	N/A
Teck_2016_ResSoil	093-H1-IC-01	16R-093-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.1	N: 176	N: 1.79	N: 16.4	N: 80.8	N: 472	nm	N: 0.23	Y: 125	Zn	138.21	N/A
LeRoi2005	094-BY	LR-NC-SS-094-BY-01	Single	Soil	442373.6607	5418074.508	Used in Model	N: 17.6	nm	Y: 6	Y: 183	Y: 576	nm	nm	nm	nm	Cd, Cu, Pb	425.26	N/A
Teck_2016_ResSoil	094-H1-IC-01	16R-094-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.6	N: 196	N: 2.18	N: 18.1	N: 93.4	N: 501	nm	N: 0.35	Y: 139	Zn	128.15	N/A
Teck_2016_ResSoil	094-P1-IC	16R-094-P1-IC-01	Multipoint	Soil<150um			Used in Model	N: 16.2	N: 208	N: 2.53	N: 1								

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
Teck_2016_ResSoil	099-A1-IC	16R-099-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.26	N: 172	N: 1.87	N: 15.2	N: 67.1	N: 527	nm	N: 0.19	Y: 135	Zn	143.8	N/A
Teck_2016_ResSoil	099-G2-IC	16R-099-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.09	N: 118	N: 1.79	N: 13.5	N: 75.3	N: 520	nm	N: 0.22	Y: 145	Zn	173.57	N/A
Teck_2016_ResSoil	099-H1-IC-01	16R-099-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.44	N: 117	N: 3.15	N: 13.4	Y: 159	N: 446	nm	N: 0.2	Y: 194	Pb, Zn	164.56	N/A
Teck_2016_ResSoil	099-O1-IC	16R-099-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.07	N: 112	N: 3.33	N: 11.4	Y: 170	N: 408	nm	N: 0.17	Y: 168	Pb, Zn	165.63	N/A
USEPA_2014_ResSoil	1005-IC	14396977	IC	Soil<150um			Used in Model	N: 9.09	N: 157	N: 2.59	N: 17.9	Y: 114	N: 308	nm	N: 0.43	Y: 170	Pb, Zn	177.51	N/A
USEPA_2014_ResSoil	1006-IC	14396968	IC	Soil<150um			Used in Model	N: 8.33	N: 173	N: 2.3	N: 22.5	N: 86.2	N: 368	nm	N: 0.33	Y: 214	Zn	176.34	N/A
USEPA_2014_ResSoil	1007-IC	14396982	IC	Soil<150um			Used in Model	N: 6.33	N: 175	N: 1.38	N: 20.2	N: 49.3	N: 334	nm	N: 0.37	Y: 157	Zn	180.61	N/A
USEPA_2014_ResSoil	1008-IC	14396971	IC	Soil<150um			Used in Model	N: 6.17	N: 123	N: 2.46	N: 29.4	N: 85.9	N: 262	nm	Y: 0.95	Y: 155	Se, Zn	184.53	N/A
Teck_2016_ResSoil	100-G1-IC	16R-100-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.42	N: 185	N: 1.44	N: 20.8	N: 43.3	N: 460	nm	Y: 0.56	Y: 146	Se, Zn	248.79	N/A
Teck_2016_ResSoil	100-H1-IC	16R-100-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.19	N: 159	Y: 3.93	N: 23.1	Y: 132	N: 533	nm	N: 0.33	Y: 341	Cd, Pb, Zn	246.65	N/A
Teck_2016_ResSoil	100-N1-IC	16R-100-N1-IC-01	Multipoint	Soil<150um	Used in Model	N: 6.8	N: 232	N: 2.24	N: 24.7	N: 83	N: 616	nm	N: 0.46	Y: 236	Zn	248.23	N/A		
Teck_2016_ResSoil	100-N2-IC	16R-100-N2-IC-01	Multipoint	Soil<150um	Used in Model	N: 6.47	N: 233	N: 1.83	N: 26.3	N: 69.1	N: 535	nm	N: 0.29	Y: 224	Zn	248.23	N/A		
Teck_2016_ResSoil	100-O1-IC-01	16R-100-O1-IC-01	Multipoint	Soil<150um	Used in Model	N: 7.81	N: 180	N: 3.39	Y: 59.3	Y: 132	N: 455	nm	N: 0.26	Y: 268	Cu, Pb, Zn	250.01	N/A		
LeRoi2005	100-SY	LR-NC-SS-100-SY-01	Single	Soil	442639.4105	5418569.541	Used in Model	N: 8.4	nm	N: 2.4	Y: 55.4	Y: 175	nm	nm	nm	Cu, Pb	697.28	N/A	
USEPA_2014_ResSoil	1010-IC	14396972	IC	Soil<150um			Used in Model	N: 8.22	N: 175	N: 2.74	N: 21.6	N: 104	N: 272	nm	Y: 0.6	Y: 149	Se, Zn	173.91	N/A
USEPA_2014_ResSoil	1011-IC	14396979	IC	Soil<150um			Used in Model	N: 7.56	N: 152	N: 3.64	N: 21.6	Y: 138	N: 241	nm	Y: 1.25	Y: 170	Pb, Se, Zn	173.3	N/A
USEPA_2014_ResSoil	1015-IC	14376614	IC	Soil<150um			Used in Model	N: 4.97	N: 161	N: 1.14	N: 15.8	N: 44.7	N: 377	nm	N: 0.16	Y: 113	Zn	174.17	N/A
USEPA_2014_ResSoil	1017-IC	14376608	IC	Soil<150um			Used in Model	N: 6.81	N: 155	N: 2.35	N: 13.1	Y: 116	N: 379	nm	N: 0.14	Y: 159	Pb, Zn	175.8	N/A
USEPA_2014_ResSoil	1018-IC	14376611	IC	Soil<150um			Used in Model	N: 5.39	N: 156	N: 1.06	N: 13.6	N: 47.8	N: 338	nm	N: 0.14	N: 103	none	175.8	N/A
Teck_2016_ResSoil	101-G1-IC	16R-101-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.46	N: 155	N: 1.38	N: 15.8	N: 60.3	N: 575	nm	N: 0.2	Y: 114	Zn	154.83	N/A
Teck_2016_ResSoil	101-H1-IC-01	16R-101-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.84	N: 166	N: 3.61	N: 15.5	Y: 152	N: 544	nm	N: 0.23	Y: 245	Pb, Zn	154.27	N/A
Teck_2016_ResSoil	101-O1-IC	16R-101-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.3	N: 187	Y: 4.67	N: 16.4	Y: 183	N: 699	nm	N: 0.19	Y: 273	Cd, Pb, Zn	153.73	N/A
USEPA_2014_ResSoil	1020-IC	14376510	IC	Soil<150um			Used in Model	N: 10.2	N: 194	N: 2.69	N: 19.5	N: 93.6	N: 391	nm	N: 0.29	Y: 211	Zn	435.29	N/A
USEPA_2014_ResSoil	1021-IC	14376497	IC	Soil<150um			Used in Model	Y: 98.3	N: 294	Y: 27.6	Y: 83.5	Y: 1410	N: 850	nm	Y: 1.1	Y: 1060	As, Cd, Cu, Pb, Se, Zn	528.77	N/A
LeRoi2005	102-BY	LR-NC-SS-102-BY-01	Single	Soil	442785.5486	5418601.908	Used in Model	N: 3.3	nm	N: 1.3	N: 17.9	N: 66.9	nm	nm	nm	nm	none	691.51	N/A
Teck_2016_ResSoil	102-G1-IC	16R-102-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.84	N: 222	N: 1.36	N: 17.2	N: 67.1	N: 664	nm	N: 0.22	Y: 114	Zn	152.43	N/A
Teck_2016_ResSoil	102-H1-IC-01	16R-102-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.89	N: 158	N: 0.765	N: 17.9	N: 35.7	N: 479	nm	N: 0.21	N: 87.3	none	151.49	N/A
USEPA_2014_ResSoil	1030-IC	14376581	IC	Soil<150um			Used in Model	Y: 27	N: 147	Y: 8.34	N: 34.8	Y: 671	N: 463	nm	N: 0.45	Y: 398	As, Cd, Pb, Zn	368.51	N/A
USEPA_2014_ResSoil	1035-IC	14396913	IC	Soil<150um			Used in Model	N: 11.3	N: 320	N: 2.89	N: 33.5	N: 103	N: 691	nm	N: 0.29	Y: 220	Zn	203.65	N/A
USEPA_2014_ResSoil	1036-IC	14396916	IC	Soil<150um			Used in Model	N: 8.2	N: 238	N: 2.06	N: 22.4	N: 77.1	N: 461	nm	N: 0.26	Y: 202	Zn	207.28	N/A
USEPA_2014_ResSoil	1037-IC	14396937	IC	Soil<150um			Used in Model	N: 12.9	N: 244	N: 2.6	N: 22.5	N: 98.6	N: 594	nm	N: 0.31	Y: 183	Zn	219.14	N/A
Teck_2016_ResSoil	103-H1-IC	16R-103-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11	N: 152	N: 2.79	N: 26.8	Y: 114	N: 441	nm	N: 0.23	Y: 177	Pb, Zn	188.61	N/A
Teck_2016_ResSoil	103-O1-IC-01	16R-103-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.4	N: 164	N: 2.95	N: 18.4	N: 106	N: 468	nm	N: 0.26	Y: 161	Zn	189.36	N/A
LeRoi2005	103-SY	LR-NC-SS-103-SY-01	Single	Soil	442604.1777	5418616.738	Used in Model	N: 5.1	nm	N: 1.5	N: 26	N: 101	nm	nm	nm	nm	none	618.98	N/A
LeRoi2005	104-FY	LR-NC-SS-104-FY-01	Single	Soil	442991.522	5418594.305	Used in Model	N: 17	nm	Y: 3.8	Y: 82.6	Y: 167	nm	nm	nm	nm	Cd, Cu, Pb	594.66	N/A
Teck_2016_ResSoil	104-H1-IC	16R-104-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 16.9	N: 179	Y: 3.85	N: 37.7	Y: 171	N: 534	nm	N: 0.3	Y: 213	Cd, Pb, Zn	234.37	N/A
Teck_2016_ResSoil	104-H2-IC	16R-104-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.4	N: 164	N: 3.59	N: 34.3	Y: 155	N: 470	nm	N: 0.33	Y: 251	Pb, Zn	228.33	N/A
Teck_2016_ResSoil	104-N1-IC-01	16R-104-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 16	N: 208	N: 3.41	N: 33.7	Y: 143	N: 539	nm	N: 0.37	Y: 173	Pb, Zn	223.02	N/A
Teck_2016_ResSoil	105-H1-IC	16R-105-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.69	N: 86.9	N: 2.13	N: 13.5	N: 99.3	N: 336	nm	N: 0.17	N: 103	none	139.14	N/A
Teck_2016_ResSoil	105-P1-IC-01	16R-105-P1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.79	N: 74.1	N: 3.17	N: 13.8	Y: 239	N: 351	nm	N: 0.22	N: 111	Pb	149.91	N/A
USEPA_2014_ResSoil	1060-IC	14336045	IC	Soil<150um			Used in Model	N: 7.27	N: 131	N: 2.74	N: 17.4	Y: 120	N: 383	nm	N: 0.18	Y: 207	Pb, Zn		

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
USEPA_2014_ResSoil	112G-IC	14366340	IC	Soil<150um			Used in Model	N: 20.9	N: 274	Y: 4.9	Y: 57.2	Y: 184	N: 731	nm	Y: 0.52	Y: 402	Cd, Cu, Pb, Se, Zn	388.22	N/A
Teck_2016_ResSoil	112-H1-IC	16R-112-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.3	N: 317	Y: 3.92	N: 30.5	N: 80.2	N: 362	nm	Y: 0.92	Y: 278	Cd, Se, Zn	267.91	N/A
USEPA_2014_ResSoil	112-IC	14366378	IC	Soil<150um			Used in Model	Y: 25	N: 264	Y: 9.07	Y: 44.2	Y: 374	N: 689	nm	N: 0.44	Y: 466	As, Cd, Cu, Pb, Zn	388.22	N/A
Teck_2016_ResSoil	112-O1-IC-01	16R-112-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 16.3	N: 368	Y: 8.01	N: 38.2	Y: 265	N: 475	nm	Y: 0.89	Y: 538	Cd, Pb, Se, Zn	272.38	N/A
LeRoi2005	113-BY	LR-NV-SS-113-BY-01	Single	Soil			Used in Model	N: 4.4	nm	N: 0.71	N: 28.2	N: 50	nm	nm	nm	nm	none	167.9	N/A
LeRoi2005	113-FY	LR-NV-SS-113-FY-01	Single	Soil			Used in Model	N: 5.1	nm	N: 0.25	N: 15.5	N: 39.8	nm	nm	nm	nm	none	158.36	N/A
Teck_2016_ResSoil	113-G1-IC	16R-113-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 17.1	N: 207	Y: 5.26	N: 20.2	Y: 204	N: 717	nm	N: 0.33	Y: 260	Cd, Pb, Zn	227.5	N/A
Teck_2016_ResSoil	113-G2-IC	16R-113-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 19.1	N: 200	Y: 5.63	N: 20.6	Y: 226	N: 706	nm	N: 0.34	Y: 252	Cd, Pb, Zn	231.21	N/A
Teck_2016_ResSoil	113-G3-IC	16R-113-G3-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.8	N: 164	N: 2.56	N: 18.8	N: 90.7	N: 357	nm	N: 0.42	Y: 159	Zn	220.1	N/A
LeRoi2005	113-GA	LR-NV-SS-113-GA-01	Single	Soil			Used in Model	N: 5.7	nm	N: 1.2	N: 19.6	N: 70.7	nm	nm	nm	nm	none	167.05	N/A
USEPA_2014_ResSoil	113low-IC	14366382	IC	Soil<150um			Used in Model	N: 20.3	N: 264	Y: 5.64	N: 31.7	Y: 247	N: 734	nm	N: 0.3	Y: 345	Cd, Pb, Zn	387.99	N/A
Teck_2016_ResSoil	113-O1-IC-01	16R-113-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 14	N: 172	Y: 3.79	N: 21.5	Y: 140	N: 566	nm	N: 0.24	Y: 200	Cd, Pb, Zn	229.41	N/A
LeRoi2005	113-SY	LR-NV-SS-113-SY-01	Single	Soil			Used in Model	N: 5.2	nm	N: 0.87	N: 36.1	N: 69.2	nm	nm	nm	nm	none	154.39	N/A
USEPA_2014_ResSoil	113up-IC	14366375	IC	Soil<150um			Used in Model	Y: 29	N: 322	Y: 8.98	Y: 51.4	Y: 331	N: 744	nm	N: 0.49	Y: 501	As, Cd, Cu, Pb, Zn	415.27	N/A
LeRoi2005	114-FY	LR-NV-SS-114-FY-01	Single	Soil			Used in Model	N: 5.5	nm	N: 1	N: 18	N: 79.9	nm	nm	nm	nm	none	135.16	N/A
LeRoi2005	114-GA	LR-NV-SS-114-GA-01	Single	Soil			Used in Model	N: 7.4	nm	N: 1.6	N: 23.8	N: 96.7	nm	nm	nm	nm	none	143.83	N/A
LeRoi2005	114-SY	LR-NV-SS-114-SY-01	Single	Soil			Used in Model	N: 4.3	nm	N: 0.46	N: 14.5	N: 55	nm	nm	nm	nm	none	143.83	N/A
LeRoi2005	115-FY1	LR-NV-SS-115-FY1-01	Single	Soil			Used in Model	N: 4.3	nm	N: 0.63	N: 11.7	N: 53.7	nm	nm	nm	nm	none	107.8	N/A
LeRoi2005	115-FY2	LR-NV-SS-115-FY2-01	Single	Soil			Used in Model	N: 3.8	nm	N: <0.57	N: 13.8	N: 35.2	nm	nm	nm	nm	none	120.14	N/A
LeRoi2005	115-GA	LR-NV-SS-115-GA-01	Single	Soil			Used in Model	N: 4.4	nm	N: 1.1	N: 12.6	N: 44.5	nm	nm	nm	nm	none	99.26	N/A
USEPA_2014_ResSoil	115SP-IC	14376476	IC	Soil<150um			Used in Model	Y: 26.8	N: 197	Y: 7.14	N: 37.1	Y: 437	N: 456	nm	Y: 0.57	Y: 815	As, Cd, Pb, Se, Zn	328.68	N/A
LeRoi2005	116-BY	LR-NV-SS-116-BY-01	Single	Soil			Used in Model	N: 9.6	nm	N: 1.8	Y: 53.4	Y: 141	nm	nm	nm	nm	Cu, Pb	255.84	N/A
USEPA_2014_ResSoil	116M-IC	14346196	IC	Soil<150um			Used in Model	N: 17.1	N: 389	Y: 5.03	Y: 84	Y: 306	N: 271	nm	N: 0.43	Y: 830	Cd, Cu, Pb, Zn	454.99	N/A
Teck_2016_ResSoil	116-O1-IC-01	16R-116-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.19	N: 235	N: 2.62	N: 16.3	Y: 136	N: 779	nm	N: 0.18	Y: 178	Pb, Zn	215.23	N/A
LeRoi2005	117-FY	LR-NV-SS-117-FY-01	Single	Soil			Used in Model	N: 2.2	nm	N: 0.53	N: 12.2	N: 22	nm	nm	nm	nm	none	164.25	N/A
Teck_2016_ResSoil	117-O1-IC-01	16R-117-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.9	N: 152	N: 0.463	N: 28.2	N: 20.6	N: 516	nm	N: 0.26	N: 67.4	none	134.61	N/A
LeRoi2005	117-PA	LR-NV-SS-117-PA-01	Single	Soil			Used in Model	N: 6.2	nm	N: 1.8	N: 30.8	N: 93.2	nm	nm	nm	nm	none	169.16	N/A
Teck_2016_ResSoil	118-G1-IC	16R-118-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.43	N: 203	N: 0.959	N: 13.6	N: 31.3	N: 529	nm	N: 0.23	N: 92	none	88.11	N/A
Teck_2016_ResSoil	118-G2-IC-01	16R-118-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.33	N: 167	N: 0.737	N: 12	N: 25.5	N: 461	nm	N: 0.2	N: 76.9	none	88.06	N/A
Teck_2016_ResSoil	118-H1-IC	16R-118-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.23	N: 147	N: 0.784	N: 11	N: 26	N: 435	nm	N: 0.2	N: 67.4	none	88.46	N/A
Teck_2016_ResSoil	118-N1-IC	16R-118-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.82	N: 184	N: 1.65	N: 9.71	N: 56	N: 539	nm	N: 0.21	N: 102	none	90.46	N/A
Teck_2016_ResSoil	118-N2-IC	16R-118-N2-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.92	N: 214	N: 2.42	N: 11.3	N: 90.6	N: 780	nm	N: 0.22	Y: 124	Zn	92.77	N/A
Teck_2016_ResSoil	119-P1-IC-01	16R-119-P1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 24.2	N: 249	Y: 7.18	N: 31.7	Y: 253	N: 768	nm	N: 0.4	Y: 441	As, Cd, Pb, Zn	350.34	N/A
LeRoi2005	119-SY	LR-NC-SS-119-SY-01	Single	Soil			Used in Model	N: 8.4	nm	N: 1.8	N: 41	Y: 360	nm	nm	nm	nm	Pb	278.66	N/A
Teck_2016_ResSoil	120-A1-IC	16R-120-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.39	N: 121	N: 1.84	N: 23.4	N: 53.9	N: 247	nm	Y: 0.65	N: 105	Se	145.49	N/A
LeRoi2005	120-BY	LR-NC-SS-120-BY-01	Single	Soil			Used in Model	N: 7.9	nm	Y: 4.9	Y: 85.8	Y: 329	nm	nm	nm	nm	Cd, Cu, Pb	319.32	N/A
Teck_2016_ResSoil	120-G1-IC-01	16R-120-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.24	N: 137	N: 2.03	N: 14.3	N: 44.9	N: 251	nm	Y: 0.67	Y: 148	Se, Zn	142.05	N/A
LeRoi2005	120-GA	LR-NC-SS-120-GA-01	Single	Soil			Used in Model	N: 11.3	nm	N: 3.3	Y: 59.4	Y: 220	nm	nm	nm	nm	Cu, Pb	289.85	N/A
Teck_2016_ResSoil	120-H1-IC	16R-120-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.58	N: 129	N: 2.03	N: 23.5	N: 54.8	N: 232	nm	Y: 0.57	Y: 153	Se, Zn	141.56	N/A
Teck_2016_ResSoil	120-O1-IC	16R-120-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.57	N: 148	N: 2.82	N: 19.5	N: 87.6	N: 273	nm	Y: 0.74	Y: 168	Se, Zn	150.03	N/A
LeRoi2005	120-SY	LR-NC-SS-120-SY-01	Single	Soil			Used in Model	N: 7.2	nm	N: 0.57	N: 24.3	N: 57.3	nm	nm	nm	nm	none	262.34	N/A
LeRoi2005	121-FY; 121-GA	LR-NC-SS-121-FY-01; LR-	Single	Soil			Used in Model	Y: 35.55	nm	Y: 8.75	Y: 106.65	Y: 474.5	nm	nm	nm	nm	As, Cd, Cu, Pb	846.94	N/A
Teck_2016_ResSoil	121-G1-IC	16R-121-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.53	N: 109	N: 0.932	N: 15.1	N: 37	N: 410	nm	N: 0.24	N: 108	none	91.56	

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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								Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC	
Teck_2016_ResSoil LeRoi2005	126-G2-IC	16R-126-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.81	N: 134	N: 1.59	N: 14.9	N: 50.1	N: 361	nm	N: 0.32	Y: 532	Zn	104.2	N/A	
Teck_2016_ResSoil	126-GA	LR-NV-SS-126-GA-01	Single	Soil	445252.5345	5419355.234	Used in Model	N: 5.5	nm	N: 1.4	N: 17.2	N: 41.9	nm	nm	nm	nm	none	158.81	N/A	
Teck_2016_ResSoil	126-H1-IC	16R-126-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.13	N: 73	N: 0.851	N: 10.1	N: 26.2	N: 238	nm	N: 0.26	N: 79.4	none	104.2	N/A	
Teck_2016_ResSoil	126-O1-IC	16R-126-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.17	N: 93.3	N: 1.37	N: 9.24	N: 58	N: 315	nm	N: 0.12	N: 94.3	none	99.96	N/A	
Teck_2016_ResSoil	126-O2-IC	16R-126-O2-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.11	N: 73.6	N: 0.835	N: 12.4	N: 30.2	N: 244	nm	N: 0.18	N: 106	none	104.95	N/A	
Teck_2016_ResSoil	126-O3-IC	16R-126-O3-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.71	N: 103	N: 1.29	N: 11.2	N: 59.4	N: 378	nm	N: 0.27	N: 99.7	none	109.3	N/A	
Teck_2016_ResSoil	126-P1-IC-01	16R-126-P1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.89	N: 47.6	N: 0.817	N: 8.51	N: 32.2	N: 175	nm	Y: 0.62	N: 68.9	Se	105.62	Se	
Teck_2016_ResSoil LeRoi2005	127-A1-IC	16R-127-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.5	N: 184	Y: 3.78	N: 31.4	Y: 140	N: 660	nm	N: 0.31	Y: 173	Cd, Pb, Zn	202.43	N/A	
Teck_2016_ResSoil	127-FY	LR-NC-SS-127-FY-01	Single	Soil	442402.0087	5418222.671	Used in Model	Y: 47.2	nm	Y: 11.4	Y: 165	Y: 549	nm	nm	nm	nm	As, Cd, Cu, Pb	517.29	N/A	
Teck_2016_ResSoil	127-G1-IC	16R-127-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7	N: 164	N: 1.72	N: 17.8	N: 75.1	N: 455	nm	N: 0.17	Y: 127	Zn	216.99	N/A	
Teck_2016_ResSoil	127-G2-IC	16R-127-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.37	N: 178	N: 1.95	N: 27.5	N: 77.1	N: 502	nm	N: 0.33	Y: 171	Zn	201.31	N/A	
Teck_2016_ResSoil	127-H1-IC	16R-127-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.49	N: 172	N: 3.04	N: 24.9	Y: 115	N: 499	nm	N: 0.27	Y: 183	Pb, Zn	205.07	N/A	
Teck_2016_ResSoil	127-H2-IC	16R-127-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.54	N: 134	N: 1.37	N: 17.5	N: 50.5	N: 368	nm	N: 0.14	Y: 114	Zn	198.23	N/A	
Teck_2016_ResSoil LeRoi2005	127-N1-IC-01	16R-127-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.92	N: 216	N: 3.48	N: 26.9	Y: 138	N: 506	nm	N: 0.34	Y: 248	Pb, Zn	218.99	N/A	
Teck_2016_ResSoil	128-FY	LR-NC-SS-128-FY-01	Single	Soil	442438.3198	5418452.544	Used in Model	N: 6.4	nm	N: 3.1	N: 31.5	Y: 131	nm	nm	nm	nm	Pb	587.01	N/A	
Teck_2016_ResSoil	128-G1-IC	16R-128-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.1	N: 175	N: 1.55	N: 29.3	N: 34.7	N: 431	nm	N: 0.36	Y: 232	Zn	214.95	N/A	
Teck_2016_ResSoil	128-G2-IC-01	16R-128-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.6	N: 232	N: 3.14	N: 25.1	N: 65.2	N: 584	nm	N: 0.37	Y: 616	Zn	214.95	N/A	
Teck_2016_ResSoil LeRoi2005	128-G3-IC	16R-128-G3-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.77	N: 214	N: 1.06	N: 19.1	N: 37.5	N: 458	nm	N: 0.25	N: 109	none	193.74	N/A	
Teck_2016_ResSoil	128-GA	LR-NC-SS-128-GA-01	Single	Soil	442413.7255	5418451.992	Used in Model	N: 6.5	nm	N: 3.3	N: 34	Y: 236	nm	nm	nm	nm	Pb	542.07	N/A	
Teck_2016_ResSoil	128-N1-IC	16R-128-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.5	N: 248	N: 2.55	N: 21.8	Y: 113	N: 550	nm	N: 0.31	Y: 193	Pb, Zn	210.04	N/A	
Teck_2016_ResSoil LeRoi2005	128-O1-IC	16R-128-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.26	N: 201	N: 1.84	N: 16.7	N: 65	N: 462	nm	N: 0.31	Y: 279	Zn	215.07	N/A	
Teck_2016_ResSoil	129-FY	LR-NV-SS-129-FY-01	Single	Soil	438198.9024	5411846.479	Used in Model	N: 4.8	nm	N: 1.1	N: 12.3	N: 33.6	nm	nm	nm	nm	none	146.26	N/A	
Teck_2016_ResSoil LeRoi2005	129-GA	LR-NV-SS-129-GA-01	Single	Soil	438226.9367	5411849.56	Used in Model	N: 3.4	nm	N: 1.6	N: 9.1	N: 32.4	nm	nm	nm	nm	none	145.26	N/A	
Teck_2016_ResSoil	129-H1-IC	16R-129-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.1	N: 77.5	Y: 4.59	N: 19.2	Y: 279	N: 264	nm	N: 0.29	Y: 241	Cd, Pb, Zn	270.36	N/A	
Teck_2016_ResSoil LeRoi2005	129-H2-IC-01	16R-129-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.4	N: 103	Y: 6.2	N: 19.8	Y: 337	N: 360	nm	N: 0.29	Y: 298	Cd, Pb, Zn	273.59	N/A	
Teck_2016_ResSoil	130-FY	LR-NV-SS-130-FY-01	Single	Soil	444446.8093	5418532.397	Used in Model	N: 7	nm	N: 2	N: 19.4	N: 59.2	nm	nm	nm	nm	none	180.02	N/A	
Teck_2016_ResSoil	130-G1-IC-01	16R-130-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.32	N: 125	N: 1.12	N: 10.3	N: 44.8	N: 376	nm	N: 0.13	N: 86.7	none	77.91	N/A	
Teck_2016_ResSoil	130-H1-IC	16R-130-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 3.02	N: 75.3	N: 0.541	N: 8.78	N: 21.1	N: 253	nm	N: 0.12	N: 52.9	none	77.65	N/A	
Teck_2016_ResSoil LeRoi2005	130-H2-IC	16R-130-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.24	N: 145	N: 1.42	N: 12.7	N: 63.1	N: 417	nm	N: 0.16	N: 95.6	none	98.45	N/A	
Teck_2016_ResSoil	131-FY	LR-NV-SS-131-FY-01	Single	Soil	441481.3444	5414919.661	Used in Model	N: <2.1	nm	N: 1.1	N: 10	N: 22.4	nm	nm	nm	nm	none	100.27	N/A	
Teck_2016_ResSoil LeRoi2005	131-GA	LR-NV-SS-131-GA-01	Single	Soil	441500.2266	5414892.039	Used in Model	N: 4.5	nm	N: 1.8	N: 14.6	N: 51.1	nm	nm	nm	nm	none	98.29	N/A	
Teck_2016_ResSoil LeRoi2005	132-FY	LR-NV-SS-132-FY-01	Single	Soil	439883.0284	5418939.567	Used in Model	N: 11.5	nm	N: 2.7	N: 20.6	Y: 185	nm	nm	nm	nm	Pb	272.64	N/A	
Teck_2016_ResSoil	132-G1-IC	16R-132-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.22	N: 53	N: 0.602	N: 10.3	N: 21.9	N: 238	nm	N: 0.13	N: 53.4	none	65.64	N/A	
Teck_2016_ResSoil LeRoi2005	132-G2-IC	16R-132-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 3.35	N: 73.3	N: 0.263	N: 12.3	N: 8.9	N: 280	nm	N: 0.12	N: 43.6	none	62.45	N/A	
Teck_2016_ResSoil	132-GA	LR-NV-SS-132-GA-01	Single	Soil	439941.0926	5418912.924	Used in Model	N: 10.6	nm	N: 1.1	N: 25.5	N: 88.2	nm	nm	nm	nm	none	256.96	N/A	
Teck_2016_ResSoil	132-H1-IC-01	16R-132-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.59	N: 87.9	N: 0.905	N: 9.84	N: 31.7	N: 295	nm	N: 0.15	N: 75.3	none	63.86	N/A	
Teck_2016_ResSoil LeRoi2005	132-O1-IC	16R-132-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.09	N: 126	N: 0.894	N: 12.3	N: 39.5	N: 402	nm	N: 0.16	N: 84.9	none	63.82	N/A	
Teck_2016_ResSoil	133-FY	LR-NV-SS-133-FY-01	Single	Soil	437130.499	5414296.404	Used in Model	N: 9.2	nm	N: 2.2	N: 20.9	N: 67.1	nm	nm	nm	nm	none	196.08	N/A	
Teck_2016_ResSoil	133-G1-IC	16R-133-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.6	N: 167	Y: 4.19	N: 18.6	Y: 147	N: 555	nm	N: 0.31	Y: 218	Cd, Pb, Zn	272.11	N/A	
Teck_2016_ResSoil LeRoi2005	133-H1-IC-01	16R-133-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.31	N: 138	N: 2.39	N: 21	Y: 111	N: 486	nm	N: 0.49	Y: 273	Pb, Zn	268.06	N/A	
Teck_2016_ResSoil	134-FY	LR-NC-SS-134-FY-01	Single	Soil	442321.0708	5417899.321	Used in Model	Y: 84.2	nm	Y: 17.2	Y: 275	Y: 1490	nm	nm	nm	nm	As, Cd, Cu, Pb	308.59	N/A	
Teck_2016_ResSoil	134-O1-IC-01	16R-134-O1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 32	N: 177	Y: 9.31	N: 34.1	Y: 570	N: 474	nm	N: 0.48	Y: 455	As, Cd, Pb, Zn	510.73	N/A	
Teck_2016_ResSoil LeRoi2005	135-G1-IC-01	16R-135-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.9	N: 297	N: 3	N: 33.7	Y: 116	N: 683	nm	N: 0.43	Y: 204	Pb, Zn	169.1	N/A	
Teck_2016_ResSoil	135-GA	LR-NC-SS-135-GA-01	Single	Soil	442601.433	5418225.322	Used in Model	N: 21.5	nm	Y: 12	Y: 138	Y: 798	nm	nm	nm	nm	Cd, Cu, Pb	811.37	N/A	
Teck_2016_ResSoil	135-H1-IC	16R-135-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.8	N: 224	N: 3.61	N: 29.9	Y: 159	N: 579	nm	N: 0.23	Y: 198	Pb, Zn	167.71	N/A	
Teck_2016_ResSoil	135-O1-IC	16R-135-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.9	N: 315	N: 2.62	N: 24.4	Y: 107	N: 738	nm	N: 0.21	Y: 157	Pb, Zn	185.36	N/A	
Teck_2016_ResSoil LeRoi2005	136-A1-IC	16R-136-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.2	N: 129	N: 1.16	N: 14	N: 32.4	N: 273	nm	N: 0.31	Y: 122	Zn	153.85	N/A	
Teck_2016_ResSoil	136-FY	LR-NC-SS-136-FY-01	Single	Soil	442581.72	5418214.595	Used in Model	N: 14.5	nm	Y: 6.6	Y: 72.2	Y: 331	nm	nm	nm	nm	Cd, Cu, Pb	763.3	N/A	
Teck_2016_ResSoil	136-G1-IC	16R-136-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.66	N: 129	N: 0.985	N: 15.4	N: 29.7	N: 322	nm	N: 0.31	N: 111	none	144.38	N/A	
Teck_2016_ResSoil	136-H1-IC-01	16R-136-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.7	N: 118	N: 1.39	N: 14.4	N: 40.9	N: 295	nm	N: 0.28	Y: 130	Zn	137.24	N/A	
Teck_2016_ResSoil	136-O1-IC	16R-136-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.52	N: 103	Y: 5.06	N: 13.6	Y: 192	N: 473	nm	N: 0.21	Y: 189	Cd, Pb, Zn	172.98	N/A	
Teck_2016_ResSoil	137-O1-IC-01	16R-137-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.8	N: 115	Y: 5.49	N: 14.4	Y: 207	N: 534	nm	N: 0.22	Y: 204	Cd, Pb, Zn	178.44	N/A	
Teck_2016_ResSoil LeRoi2005	137-O2-IC	16R-137-O2-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.45	N: 124	Y: 3.92	N: 12.8	Y: 145	N: 434	nm	N: 0.19	Y: 161	Cd, Pb, Zn	176.73	N/A	
Teck_2016_ResSoil	137-PA	LR-NC-SS-137-PA-01	Single	Soil	442555.1044	5418423.66	Used in Model	N: 21.3	nm	Y: 7.9	Y: 174	Y: 460	nm	nm	nm	nm	Cd, Cu, Pb	768.22	N/A	
Teck_2016_ResSoil	138-G1-IC	16R-138-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.99	N: 212	N: 2.18	N: 26.3	N: 42.2	N: 441	nm	Y: 0.82	Y: 148	Se, Zn	140.49	N/A	
Teck_2016_ResSoil	138-G2-IC	16R-138-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.43	N: 217	N: 2.27	N: 31	N: 57.2	N: 585	nm	Y: 0.85	Y: 171	Se, Zn	144.07	N/A	
Teck_2016_ResSoil	138-H1-IC	16R-138-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.17	N: 173	N: 1.71	N: 24.1	N: 33.9	N: 458	nm	N: 0.45	Y: 142	Zn	129.31	N/A	
Teck_2016_ResSoil	138-O1-IC	16R-138-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.8	N: 144	N: 1.21	N: 18.7	N: 29	N: 428	nm	N: 0.43	N: 103	none	145.71	N/A	
Teck_2016_ResSoil LeRoi2005	138-O2-IC-01	16R-138-O2-IC-01	Multipoint	Soil<150um			Used in Model	N: 9												

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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg				
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC	
Teck_2016_ResSoil	141-H2-IC	16R-141-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 16.6	N: 249	N: 2.6	Y: 73	N: 95.6	N: 642	nm	Y: 0.64	Y: 252	Cu, Se, Zn	159.45	N/A	
Teck_2016_ResSoil	141-H3-IC	16R-141-H3-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.7	N: 227	N: 2.06	Y: 48.1	N: 77.4	N: 506	nm	Y: 0.51	Y: 222	Cu, Se, Zn	148.78	N/A	
Teck_2016_ResSoil	141-N1-IC	16R-141-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.74	N: 239	N: 1.29	N: 35.7	N: 35	N: 431	nm	Y: 0.82	Y: 285	Se, Zn	155.78	N/A	
Teck_2016_ResSoil	141-N2-IC	16R-141-N2-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.5	N: 220	N: 1.77	Y: 44.4	N: 49.6	N: 587	nm	Y: 0.54	Y: 149	Cu, Se, Zn	137.38	N/A	
Teck_2016_ResSoil	141-N3-IC	16R-141-N3-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.31	N: 77.6	N: 0.574	N: 14.4	N: 14.8	N: 179	nm	Y: 0.92	N: 65.3	Se	148.78	N/A	
Teck_2016_ResSoil	141-N4-IC	16R-141-N4-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.4	N: 223	N: 1.54	Y: 48.6	N: 45.6	N: 545	nm	Y: 0.69	Y: 185	Cu, Se, Zn	151.11	N/A	
Teck_2016_ResSoil	141-O1-IC	16R-141-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.3	N: 235	N: 1.82	N: 40.3	N: 52.2	N: 529	nm	Y: 0.53	Y: 174	Se, Zn	144.81	N/A	
LeRoi2005	142-BY	LR-NC-SS-142-BY-01	Single	Soil	442398.6204	5418431.005	Used in Model	N: 12.1	nm	Y: 5.1	Y: 57.1	Y: 417	nm	nm	nm	nm	Cd, Cu, Pb	497.59	N/A	
LeRoi2005	142-FY	LR-NC-SS-142-FY-01	Single	Soil	442376.2433	5418419.917	Used in Model	N: 5.2	nm	N: 3.2	N: 29.3	Y: 167	nm	nm	nm	nm	Pb	507.07	N/A	
Teck_2016_ResSoil	142-H1-IC-01	16R-142-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.8	N: 160	N: 2.97	N: 22.7	Y: 111	N: 577	nm	N: 0.23	Y: 170	Pb, Zn	187.5	N/A	
Teck_2016_ResSoil	142-O1-IC	16R-142-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.26	N: 164	N: 2.47	N: 21.3	N: 82.2	N: 588	nm	N: 0.27	Y: 147	Zn	183.1	N/A	
Teck_2016_ResSoil	143-A1-IC	16R-143-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.28	N: 130	N: 1.47	N: 12.6	N: 61.8	N: 375	nm	N: 0.18	Y: 113	Zn	126.51	N/A	
Teck_2016_ResSoil	143-G1-IC-01	16R-143-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.01	N: 159	N: 1.98	N: 14.5	N: 82.8	N: 376	nm	N: 0.25	Y: 130	Zn	128.88	N/A	
Teck_2016_ResSoil	143-G2-IC	16R-143-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.34	N: 151	N: 1.26	N: 16.8	N: 55.7	N: 367	nm	N: 0.34	Y: 123	Zn	128.67	N/A	
LeRoi2005	143-GA	LR-NC-SS-143-GA-01	Single	Soil	442608.0806	5418337.462	Used in Model	N: 17	nm	Y: 5.6	Y: 90.4	Y: 246	nm	nm	nm	nm	Cd, Cu, Pb	829.52	N/A	
Teck_2016_ResSoil	143-H1-IC	16R-143-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.61	N: 139	N: 2.01	N: 13.6	N: 83.9	N: 383	nm	N: 0.21	Y: 137	Zn	130.64	N/A	
LeRoi2005	143-SY	LR-NC-SS-143-SY-01	Single	Soil			442618.7081	5418335.389	Used in Model	Y: 40	nm	Y: 33.8	Y: 215	Y: 1470	nm	nm	nm	nm	As, Cd, Cu, Pb	857.79
LeRoi2005	144-FY	LR-NC-SS-144-FY-01	Single	Soil	442591.4075	5418319.785	Used in Model	Y: 57.8	nm	Y: 26.3	Y: 306	Y: 1370	nm	nm	nm	nm	As, Cd, Cu, Pb	829.52	N/A	
Teck_2016_ResSoil	144-G1-IC-01	16R-144-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.9	N: 202	N: 3.06	N: 21.1	Y: 115	N: 555	nm	N: 0.36	Y: 161	Pb, Zn	159.51	N/A	
Teck_2016_ResSoil	144-H1-IC	16R-144-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.5	N: 194	Y: 4.14	N: 19.8	Y: 167	N: 477	nm	N: 0.29	Y: 202	Cd, Pb, Zn	155.22	N/A	
Teck_2016_ResSoil	145-A1-IC-01	16R-145-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.95	N: 203	N: 2.04	N: 17.2	N: 68.6	N: 528	nm	N: 0.33	Y: 163	Zn	146.19	N/A	
Teck_2016_ResSoil	145-H1-IC	16R-145-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.6	N: 285	Y: 5.13	N: 23.2	Y: 190	N: 726	nm	N: 0.32	Y: 300	Cd, Pb, Zn	146.8	N/A	
LeRoi2005	145-PA	LR-NC-SS-145-PA-01	Single	Soil			442334.2687	5418392.193	Used in Model	N: 5.8	nm	N: 2.4	N: 24.9	N: 92.7	nm	nm	nm	nm	none	426.22
USEPA_2014_ResSoil	146G-IC	14386794	IC	Soil<150um			Used in Model	N: 8.19	N: 249	N: 0.976	N: 23	N: 40.6	N: 504	nm	nm	nm	nm	Zn	150.78	N/A
Teck_2016_ResSoil	146-H1-IC-01	16R-146-H1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 48.9	N: 223	Y: 36.1	Y: 97.8	Y: 1680	Y: 1380	nm	Y: 0.9	Y: 1550	As, Cd, Cu, Mn, Pb, Se, Zn	317.68	N/A	
USEPA_2014_ResSoil	146-IC	14386785	IC	Soil<150um			Used in Model	N: 10.7	N: 208	N: 2.19	N: 28.5	N: 84.3	N: 655	nm	N: 0.21	Y: 162	Zn	149.3	N/A	
LeRoi2005	146-PA	LR-NC-SS-146-PA-01	Single	Soil	441969.4584	5417131.945	Used in Model	N: 3.2	nm	N: 1.3	N: 12	N: 26.1	nm	nm	nm	nm	none	97.93	N/A	
Teck_2016_ResSoil	147-G1-IC-01	16R-147-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.87	nm	N: 1.72	N: 21.1	N: 72.2	N: 498	nm	N: 0.34	Y: 145	Zn	153.4	N/A	
Teck_2016_ResSoil	147-G2-IC	16R-147-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.35	N: 130	N: 2.45	N: 27.2	N: 101	N: 496	nm	N: 0.3	Y: 153	Zn	152.88	N/A	
Teck_2016_ResSoil	147-H1-IC	16R-147-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.73	N: 388	N: 2.35	N: 17.5	N: 99	N: 476	nm	N: 0.26	Y: 150	Zn	153.4	N/A	
USEPA_2014_ResSoil	147-IC	14386795	IC	Soil<150um			Used in Model	N: 7.25	N: 144	N: 1.05	N: 19.3	N: 47.4	N: 367	nm	N: 0.16	N: 99.9	none	108.86	N/A	
LeRoi2005	147-SY	LR-NC-SS-147-SY-01	Single	Soil			442251.6477	5417760.87	Used in Model	N: 11.2	nm	N: 3.7	Y: 54.7	Y: 137	nm	nm	nm	nm	Cu, Pb	201.77
Teck_2016_ResSoil	148-H1-IC-01	16R-148-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.7	N: 90.9	N: 1.22	N: 12.7	N: 57.1	N: 311	nm	N: 0.14	N: 105	none	115.48	N/A	
LeRoi2005	148-PA	LR-NC-SS-148-PA-01	Single	Soil			442516.0163	5418079.899	Used in Model	N: 22.7	nm	Y: 9.6	Y: 1400	Y: 452	nm	nm	nm	nm	Cd, Cu, Pb	605.84
Teck_2016_ResSoil	149-A1-IC-01	16R-149-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 17	Y: 625	Y: 13.9	Y: 44.7	N: 52.9	N: 791	nm	Y: 1.99	Y: 808	Ba, Cd, Cu, Se, Zn	350.36	N/A	
Teck_2016_ResSoil	149-G1-IC	16R-149-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.8	Y: 755	Y: 5.61	Y: 44.1	N: 58.2	N: 723	nm	Y: 1.7	Y: 471	Ba, Cd, Cu, Se, Zn	335.17	N/A	
Teck_2016_ResSoil	149-G2-IC	16R-149-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.2	Y: 570	Y: 5.61	Y: 42.4	N: 64.7	N: 640	nm	Y: 1.25	Y: 529	Ba, Cd, Cu, Se, Zn	346.5	N/A	
Teck_2016_ResSoil	149-H1-IC	16R-149-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.8	Y: 684	Y: 6.55	Y: 50.3	N: 87	N: 646	nm	Y: 1.27	Y: 498	Ba, Cd, Cu, Se, Zn	331.18	N/A	
Teck_2016_ResSoil	149-N1-IC	16R-149-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.59	Y: 602	Y: 4.01	N: 34.4	N: 40.9	N: 542	nm	Y: 1.48	Y: 359	Ba, Cd, Se, Zn	316.06	N/A	
USEPA_2014_ResSoil																				

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg				
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC	
Teck_2016_ResSoil	155-O2-IC-01	16R-155-O2-IC-01	Multipoint	Soil<150um	446133.6608	5420694.589	Used in Model	N: 12.3	N: 158	Y: 5.19	N: 18.2	Y: 309	N: 453	nm	N: 0.27	Y: 230	Cd, Pb, Zn	181.04	N/A	
LeRoi2005	156-FY	LR-NV-SS-156-FY-01	Single	Soil			Used in Model	N: 3.84	nm	N: 0.786	N: 11.7	N: 28	nm	nm	nm	nm	none	86.45	N/A	
Teck_2016_ResSoil	156-H1-IC	16R-156-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.89	N: 124	N: 1.95	N: 13	N: 97.1	N: 446	nm	N: 0.2	Y: 127	Zn	148.78	N/A	
Teck_2016_ResSoil	156-O1-IC-01	16R-156-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.87	N: 116	N: 2.62	N: 13	Y: 149	N: 489	nm	N: 0.22	Y: 149	Pb, Zn	140.99	N/A	
LeRoi2005	157-BY	LR-NC-SS-157-BY-01	Single	Soil	442593.6294	5418429.551	Used in Model	Y: 33.3	nm	Y: 8.55	Y: 208	Y: 576	nm	nm	nm	nm	As, Cd, Cu, Pb	781.84	N/A	
Teck_2016_ResSoil	157-G1-IC	16R-157-G1-IC-01	Multipoint	Soil<150um	442593.6294	5418429.551	Used in Model	N: 6.29	N: 101	N: 1.28	N: 14.7	N: 49.5	N: 316	nm	N: 0.16	N: 101	none	126.54	N/A	
Teck_2016_ResSoil	157-H1-IC	16R-157-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.93	N: 98.8	N: 2.75	N: 18.5	Y: 110	N: 299	nm	N: 0.2	Y: 197	Pb, Zn	143.57	N/A	
Teck_2016_ResSoil	157-O1-IC-01	16R-157-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.53	N: 91.9	N: 2.06	N: 15.2	N: 84.8	N: 281	nm	N: 0.2	Y: 152	Zn	139.18	N/A	
LeRoi2005	158-GA	LR-NC-SS-158-GA-01	Single	Soil			442265.5533	5418093.183	Used in Model	N: 12.1	nm	N: 3.7	Y: 71.3	Y: 229	nm	nm	nm	Cu, Pb	329.41	N/A
LeRoi2005	159-BY; 159-FY	LR-NC-SS-159-BY-01; LR-NC-SS-159-FY-01	Single	Soil	442521.1956	5418016.073	Used in Model	N: 17.055	nm	N: 3.685	Y: 67.2	Y: 188	nm	nm	nm	nm	Cu, Pb	552.55	N/A	
Teck_2016_ResSoil	159-G1-IC	16R-159-G1-IC-01	Multipoint	Soil<150um	442521.1956	5418016.073	Used in Model	N: 9.13	N: 131	N: 1.81	N: 18.8	N: 83.6	N: 364	nm	N: 0.19	N: 107	none	123.49	N/A	
Teck_2016_ResSoil	159-H1-IC-01	16R-159-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.68	N: 95.9	N: 1.63	N: 17.2	N: 77.1	N: 281	nm	N: 0.19	N: 103	none	122.98	N/A	
Teck_2016_ResSoil	159-H2-IC	16R-159-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.3	N: 128	N: 2.61	N: 21.4	Y: 120	N: 364	nm	N: 0.18	Y: 121	Pb, Zn	125.09	N/A	
Teck_2016_ResSoil	159-O1-IC	16R-159-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.37	N: 106	N: 1.3	N: 13.4	N: 52.6	N: 292	nm	N: 0.13	N: 84.1	none	116.27	N/A	
Teck_2016_ResSoil	159-O2-IC	16R-159-O2-IC-01	Multipoint	Soil<150um	442521.1956	5418016.073	Used in Model	N: 6.41	N: 104	N: 1.46	N: 13.2	N: 60.9	N: 285	nm	N: 0.13	N: 90.9	none	121.22	N/A	
USEPA_2014_ResSoil	15-IC	14336001	IC	Soil<150um			Used in Model	N: 10.4	N: 177	N: 2.46	N: 25.1	N: 91	N: 505	nm	N: 0.23	Y: 213	Zn	199.59	N/A	
LeRoi2005	160-BY; 160-GA; 160-SY	LR-NV-SS-160-BY-01; LR-NV-SS-160-GA-01; LR-NV-SS-160-SY-01	Single	Soil			440236.0562	5417393.425	Used in Model	N: 9.186666666666667	nm	N: 2.583333333333333	N: 18.53333333333333	Y: 137.0666666666667	nm	nm	nm	Pb	202.51	N/A
Teck_2016_ResSoil	160-G1-IC-01	16R-160-G1-IC-01	Multipoint	Soil<150um			440236.0562	5417393.425	Used in Model	N: 12.2	N: 220	N: 3.39	N: 38.2	Y: 158	N: 488	nm	N: 0.36	Y: 151	Pb, Zn	163.89
Teck_2016_ResSoil	160-H1-IC	16R-160-H1-IC-01	Multipoint	Soil<150um	Used in Model	N: 8.77			N: 182	N: 1.63	N: 30.3	N: 95.4	N: 376	nm	N: 0.27	Y: 130	Zn	163.85	N/A	
Teck_2016_ResSoil	160-H2-IC	16R-160-H2-IC-01	Multipoint	Soil<150um	Used in Model	N: 7.77			N: 171	N: 1.27	N: 30.7	N: 89.2	N: 343	nm	N: 0.24	Y: 150	Zn	164.84	N/A	
USEPA_2014_ResSoil	160-IC	14386709	IC	Soil<150um	Used in Model	N: 14			N: 247	N: 2.96	N: 33.4	Y: 123	N: 656	nm	N: 0.25	Y: 162	Pb, Zn	178.73	N/A	
LeRoi2005	161-BY	LR-NC-SS-161-BY-01	Single	Soil	442474.7681	5418219.161	Used in Model	Y: 44.1	nm	Y: 17.4	Y: 286	Y: 1090	nm	nm	nm	nm	As, Cd, Cu, Pb	654.38	N/A	
Teck_2016_ResSoil	161-H1-IC	16R-161-H1-IC-01	Multipoint	Soil<150um	442474.7681	5418219.161	Used in Model	N: 11.9	N: 158	N: 3.52	N: 38.6	Y: 154	N: 429	nm	Y: 0.57	Y: 201	Pb, Se, Zn	177.18	N/A	
Teck_2016_ResSoil	161-N1-IC-01	16R-161-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.69	N: 164	N: 2.73	N: 28.5	Y: 116	N: 339	nm	Y: 0.75	Y: 153	Pb, Se, Zn	180.74	N/A	
Teck_2016_ResSoil	162-H1-IC-01	16R-162-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.53	N: 96.4	N: 2.2	N: 14.3	N: 91	N: 231	nm	N: 0.21	Y: 127	Zn	173.86	N/A	
LeRoi2005	163-FY; 163-SY	LR-NC-SS-163-FY-01; LR-NC-SS-163-SY-01	Single	Soil			442716.7431	5418620.99	Used in Model	N: 14.4	nm	Y: 8.735	Y: 100.8	Y: 568.5	nm	nm	nm	Cd, Cu, Pb	660.31	N/A
Teck_2016_ResSoil	163-G1-IC-01	16R-163-G1-IC-01	Multipoint	Soil<150um	442716.7431	5418620.99	Used in Model	N: 6.13	N: 136	N: 1.63	N: 15	N: 63.5	N: 395	nm	N: 0.21	Y: 127	Zn	194.64	N/A	
USEPA_2014_ResSoil	163G-IC	14386702	IC	Soil<150um			Used in Model	N: 18.1	N: 236	Y: 3.92	N: 40.1	Y: 208	N: 650	nm	N: 0.24	Y: 183	Cd, Pb, Zn	174.92	N/A	
USEPA_2014_ResSoil	163-IC	14386693	IC	Soil<150um			Used in Model	N: 14.5	N: 219	N: 3.33	N: 33.5	Y: 152	N: 596	nm	N: 0.25	Y: 168	Pb, Zn	175.43	N/A	
Teck_2016_ResSoil	163-O1-IC	16R-163-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.35	N: 114	N: 2.31	N: 13.3	N: 84.4	N: 318	nm	N: 0.19	Y: 176	Zn	201.69	N/A	
Teck_2016_ResSoil	164-H1-IC-01	16R-164-H1-IC-01	Multipoint	Soil<150um	442716.7431	5418620.99	Used in Model	N: 12.9	N: 173	Y: 3.83	N: 20.7	Y: 147	N: 475	nm	N: 0.34	Y: 240	Cd, Pb, Zn	158.25	N/A	
USEPA_2014_ResSoil	164-IC	14386696	IC	Soil<150um			Used in Model	N: 12.8	N: 195	N: 2.78	N: 32.1	Y: 124	N: 618	nm	N: 0.22	Y: 150	Pb, Zn	142.08	N/A	
Teck_2016_ResSoil	165-H1-IC-01	16R-165-H1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 26.8	N: 213	N: 1.38	Y: 98.6	N: 35.1	N: 635	nm	Y: 0.8	Y: 146	As, Cu, Se, Zn	159.93	N/A	
Teck_2016_ResSoil	165-O1-IC	16R-165-O1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 36.9	N: 236	N: 3.57	Y: 118	Y: 135	N: 880	nm	Y: 0.94	Y: 214	As, Cu, Pb, Se, Zn	162.1	N/A	
USEPA_2014_ResSoil	167-IC	14386759	IC	Soil<150um	442716.7431	5418620.99	Used in Model	N: 8	N: 137	N: 1.5	N: 19.9	N: 71.4	N: 387	nm	N: 0.12	N: 106	none	139.47	N/A	
Teck_2016_ResSoil	167-O5-IC	16R-167-O5-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.24	N: 106	N: 2.93	N: 12.3	Y: 211	N: 295	nm	N: 0.16	Y: 187	Pb, Zn	127.9	N/A	
Teck_2016_ResSoil	167-O6-IC	16R-167-O6-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.7	N: 128	Y: 4.98	N: 21.8	Y: 293	N: 476	nm	N: 0.19	Y: 220	Cd, Pb, Zn	233.15	N/A	
Teck_2016_ResSoil	167-O7-IC	16R-167-O7-IC-01	Multipoint	Soil<150um			Used in Model	N: 22.6	N: 143	Y: 7.55	N: 35.2	Y: 472	N: 486	nm	N: 0.32	Y: 312	Cd, Pb, Zn	260.38	N/A	
Teck_2016_ResSoil	167-O8-IC	16R-167-O8-IC-01	Multipoint	Soil<150um	442716.7431	5418620.99	Used in Model	N:												

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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
Teck_2016_ResSoil	175-G2-IC-01	16R-175-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.45	N: 102	N: 0.896	N: 9.87	N: 31.6	N: 251	nm	N: 0.21	N: 84	none	115.65	N/A
Teck_2016_ResSoil	175-H1-IC	16R-175-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.52	N: 87.1	N: 2.09	N: 12.5	N: 89.7	N: 328	nm	N: 0.22	N: 133	Zn	116.27	N/A
USEPA_2014_ResSoil	175-IC	14386734	IC	Soil<150um			Used in Model	N: 9.73	N: 214	N: 2.44	N: 22.2	Y: 127	N: 467	nm	N: 0.17	Y: 167	Pb, Zn	122.36	N/A
Teck_2016_ResSoil	176-A1-IC-01	16R-176-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.99	N: 162	N: 1.45	N: 16.1	N: 45.3	N: 364	nm	N: 0.29	Y: 132	Zn	120.52	N/A
Teck_2016_ResSoil	176-H1-IC	16R-176-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.79	N: 130	N: 1.5	N: 12.2	N: 59.8	N: 323	nm	N: 0.18	Y: 112	Zn	105.77	N/A
Teck_2016_ResSoil	176-H2-IC	16R-176-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.16	N: 123	N: 1.1	N: 13.5	N: 34.5	N: 272	nm	N: 0.26	N: 106	none	115.27	N/A
Teck_2016_ResSoil	176-P1-IC	16R-176-P1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.51	N: 141	N: 1.3	N: 13.3	N: 46.4	N: 363	nm	N: 0.14	N: 97.9	none	111.05	N/A
USEPA_2014_ResSoil	177-IC	14386763	IC	Soil<150um			Used in Model	N: 16.2	N: 179	Y: 3.8	N: 36.3	Y: 181	N: 436	nm	N: 0.23	Y: 202	Cd, Pb, Zn	226.42	N/A
Teck_2016_ResSoil	178-H1-IC-01	16R-178-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.24	N: 164	N: 0.906	N: 18.2	N: 33.3	N: 515	nm	N: 0.31	N: 86.3	none	122.75	N/A
Teck_2016_ResSoil	179-H1-IC-01	16R-179-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.3	N: 220	N: 2.15	N: 17.4	N: 94	N: 624	nm	N: 0.21	Y: 176	Zn	195.05	N/A
USEPA_2014_ResSoil	17-IC	14336011	IC	Soil<150um			Used in Model	N: 11.4	N: 285	N: 3.32	N: 32.8	Y: 131	N: 686	nm	N: 0.24	Y: 236	Pb, Zn	193.5	N/A
Teck_2016_ResSoil	180-H2-IC	16R-180-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 21.7	N: 151	Y: 8.88	Y: 41.8	Y: 637	N: 570	nm	Y: 0.53	Y: 457	Cd, Cu, Pb, Se, Zn	495.58	N/A
Teck_2016_ResSoil	180-O1-IC-01	16R-180-O1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 23.7	N: 95.7	Y: 6.88	N: 32.4	Y: 600	N: 389	nm	Y: 0.52	Y: 409	As, Cd, Pb, Se, Zn	492.44	N/A
Teck_2016_ResSoil	181-A1-IC	16R-181-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.3	N: 289	N: 2.55	N: 24	N: 99.6	N: 739	nm	N: 0.35	Y: 201	Zn	166.54	N/A
Teck_2016_ResSoil	181-G1-IC	16R-181-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.4	N: 156	N: 0.989	N: 21	N: 45.7	N: 460	nm	N: 0.35	N: 109	none	165.26	N/A
Teck_2016_ResSoil	181-G2-IC-01	16R-181-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 16.4	N: 261	N: 2.66	N: 31.2	N: 97.3	N: 776	nm	N: 0.39	Y: 177	Zn	165.87	N/A
Teck_2016_ResSoil	181-H1-IC	16R-181-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 15.6	N: 266	N: 3.14	N: 25.2	Y: 114	N: 807	nm	N: 0.31	Y: 185	Pb, Zn	167.89	N/A
Teck_2016_ResSoil	181-H2-IC	16R-181-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 18.4	N: 272	N: 2.97	N: 29.2	Y: 108	N: 780	nm	N: 0.33	Y: 249	Pb, Zn	166.45	N/A
Teck_2016_ResSoil	181-N1-IC	16R-181-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 18.9	N: 266	N: 3.34	N: 28.9	Y: 119	N: 842	nm	N: 0.41	Y: 218	Pb, Zn	168.22	N/A
Teck_2016_ResSoil	181-N2-IC	16R-181-N2-IC-01	Multipoint	Soil<150um			Used in Model	N: 16.1	N: 314	N: 3.54	N: 23.5	Y: 130	N: 820	nm	N: 0.36	Y: 218	Pb, Zn	165.26	N/A
Teck_2016_ResSoil	181-O1-IC	16R-181-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.05	N: 226	N: 1.59	N: 30.9	N: 53.8	N: 544	nm	N: 0.26	Y: 237	Zn	166.5	N/A
Teck_2016_ResSoil	182-G1-IC	16R-182-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.4	N: 290	Y: 6.34	N: 38.7	Y: 237	N: 779	nm	Y: 0.95	Y: 314	Cd, Pb, Se, Zn	346.36	N/A
Teck_2016_ResSoil	182-G2-IC	16R-182-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 19.6	Y: 424	Y: 6.58	Y: 43.2	Y: 195	N: 1050	nm	Y: 0.79	Y: 375	Ba, Cd, Cu, Pb, Se, Zn	341.9	N/A
Teck_2016_ResSoil	182-H1-IC	16R-182-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.9	N: 265	Y: 4.48	N: 31.7	Y: 161	N: 673	nm	Y: 0.67	Y: 283	Cd, Pb, Se, Zn	341.57	N/A
Teck_2016_ResSoil	182-H2-IC	16R-182-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 11	N: 273	Y: 3.89	N: 29	Y: 159	N: 683	nm	Y: 0.57	Y: 281	Cd, Pb, Se, Zn	330.96	N/A
Teck_2016_ResSoil	182-O1-IC	16R-182-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.2	N: 224	N: 3.28	N: 27	Y: 131	N: 591	nm	Y: 0.52	Y: 291	Pb, Se, Zn	336.15	N/A
Teck_2016_ResSoil	182-O2-IC	16R-182-O2-IC-01	Multipoint	Soil<150um			Used in Model	N: 21.1	N: 328	Y: 6.06	N: 32.5	Y: 215	N: 987	nm	Y: 0.6	Y: 323	Cd, Pb, Se, Zn	346.49	N/A
Teck_2016_ResSoil	182-O3-IC-01	16R-182-O3-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.2	N: 280	Y: 7.34	N: 35.8	Y: 229	N: 826	nm	Y: 1.2	Y: 364	Cd, Pb, Se, Zn	350.8	N/A
Teck_2016_ResSoil	184-H1-IC-01	16R-184-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13	N: 135	Y: 3.87	N: 12.4	Y: 143	N: 467	nm	N: 0.3	Y: 246	Cd, Pb, Zn	356.39	N/A
Teck_2016_ResSoil	185-A1-IC-01	16R-185-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.8	N: 188	N: 2.25	N: 26.9	N: 42.4	N: 280	nm	Y: 0.74	Y: 206	Se, Zn	177.79	N/A
Teck_2016_ResSoil	185-H1-IC	16R-185-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.79	N: 160	N: 1.95	N: 22.1	N: 38.7	N: 291	nm	Y: 0.53	Y: 167	Se, Zn	181.16	N/A
Teck_2016_ResSoil	187-H1-IC-01	16R-187-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13	N: 129	Y: 3.91	N: 16.2	Y: 177	N: 507	nm	N: 0.18	Y: 175	Cd, Pb, Zn	145.44	N/A
Teck_2016_ResSoil	188-A1-IC	16R-188-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.46	N: 186	N: 2.89	N: 20.1	N: 93	N: 803	nm	N: 0.28	Y: 172	Zn	136.64	N/A
Teck_2016_ResSoil	188-G1-IC	16R-188-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.8	N: 232	N: 3.41	N: 33.5	Y: 139	N: 706	nm	Y: 0.7	Y: 200	Pb, Se, Zn	136.41	N/A
Teck_2016_ResSoil	188-G2-IC	16R-188-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.1	N: 216	Y: 3.97	N: 31.6	Y: 145	N: 899	nm	N: 0.45	Y: 199	Cd, Pb, Zn	137.04	N/A
Teck_2016_ResSoil	188-G3-IC	16R-188-G3-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.44	N: 193	N: 2.14	N: 23.2	N: 73.3	N: 627	nm	Y: 0.54	Y: 120	Se, Zn	134.81	N/A
Teck_2016_ResSoil	188-H1-IC	16R-188-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.25	N: 114	N: 1.23	N: 27.7	N: 46.4	N: 531	nm	N: 0.47	Y: 207	Zn	139.96	N/A
Teck_2016_ResSoil	188-P1-IC-01	16R-188-P1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.48	N: 140	N: 1.87	N: 15.6	N: 62.7	N: 594	nm	N: 0.3	N: 109	none	130.56	N/A
Teck_2016_ResSoil	189-G1-IC	16R-189-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 5.96	N: 151	N: 1	N: 13.6	N: 52.3	N: 386	nm	N: 0.23	N: 99.9	none	143.88	N/A
Teck_2016_ResSoil	189-H1-IC-01	16R-189-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.95	N: 140	N: 1.84	N: 24	N: 86.1	N: 396	nm	N: 0.19	Y: 144	Zn	141.73	N/A
Teck_2016_ResSoil	189-H2-IC	16R-189-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 8.66	N: 171	N: 2.81	N: 17.4	Y: 123	N: 509	nm	N: 0.2	Y: 179	Pb, Zn	138	

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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						Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg				
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
USEPA_2014_ResSoil	201G-IC	14376494	IC	Soil<150um			Used in Model	Y: 35.3	N: 164	Y: 11.8	Y: 45.3	Y: 650	N: 756	nm	Y: 0.73	Y: 523	As, Cd, Cu, Pb, Se, Zn	474.13	N/A
USEPA_2014_ResSoil	201-IC	14376490	IC	Soil<150um			Used in Model	N: 17.7	N: 119	Y: 5.56	N: 28.5	Y: 342	N: 439	nm	N: 0.33	Y: 277	Cd, Pb, Zn	495.58	N/A
Teck_2016_ResSoil	202-H1-IC-01	16R-202-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.1	N: 101	N: 3.38	Y: 49.7	Y: 206	N: 271	nm	N: 0.27	Y: 169	Cu, Pb, Zn	153.89	N/A
Teck_2016_ResSoil	202-N1-IC	16R-202-N1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.35	N: 75.9	N: 1.22	N: 23.1	N: 68.8	N: 211	nm	N: 0.18	N: 91.2	none	149.61	N/A
Teck_2016_ResSoil	202-O1-IC	16R-202-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.4	N: 93.3	N: 2.74	N: 38.2	Y: 144	N: 283	nm	N: 0.24	Y: 115	Pb, Zn	163.76	N/A
Teck_2016_ResSoil	203-O1-IC-01	16R-203-O1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 84.9	N: 204	Y: 17.2	Y: 76.2	Y: 1500	N: 629	nm	Y: 1.29	Y: 658	As, Cd, Cu, Pb, Se, Zn	611.08	N/A
Teck_2016_ResSoil	203-O2-IC	16R-203-O2-IC-01	Multipoint	Soil<150um			Used in Model	Y: 34.7	N: 181	Y: 8.81	N: 37.6	Y: 450	N: 627	nm	Y: 0.62	Y: 341	As, Cd, Pb, Se, Zn	628.13	N/A
Teck_2016_ResSoil	206-A1-IC	16R-206-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 13.1	N: 165	N: 3.74	N: 26.5	Y: 138	N: 551	nm	N: 0.3	Y: 181	Pb, Zn	146.64	N/A
Teck_2016_ResSoil	206-G1-IC	16R-206-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 6.41	N: 141	N: 1.54	N: 17	N: 59.9	N: 390	nm	N: 0.25	N: 108	none	146.64	N/A
Teck_2016_ResSoil	206-H1-IC-01	16R-206-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 4.17	N: 104	N: 0.653	N: 12.6	N: 22.4	N: 314	nm	N: 0.18	N: 68.5	none	123.8	N/A
Teck_2016_ResSoil	206-H2-IC	16R-206-H2-IC-01	Multipoint	Soil<150um			Used in Model	N: 17.5	N: 230	Y: 6.82	N: 32.8	Y: 295	N: 618	nm	N: 0.46	Y: 259	Cd, Pb, Zn	167.96	N/A
USEPA_2014_ResSoil	206-IC	14356248	IC	Soil<150um			Used in Model	N: 9.59	N: 191	N: 2.77	N: 21.2	Y: 115	N: 436	nm	N: 0.23	Y: 214	Pb, Zn	241.48	N/A
Teck_2016_ResSoil	207-O1-IC-01	16R-207-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.2	N: 142	N: 2.89	N: 13.4	Y: 134	N: 391	nm	N: 0.23	Y: 155	Pb, Zn	208.01	N/A
USEPA_2014_ResSoil	208AA-IC	14366305	IC	Soil<150um			Used in Model	N: 10	N: 201	Y: 3.97	N: 19.2	Y: 174	N: 449	nm	N: 0.25	Y: 245	Cd, Pb, Zn	226	N/A
USEPA_2014_ResSoil	208BM-IC	14366308	IC	Soil<150um			Used in Model	N: 14.5	N: 155	N: 2.34	N: 40.7	N: 100	N: 653	nm	Y: 0.58	Y: 218	Se, Zn	241.48	N/A
USEPA_2014_ResSoil	208G-IC	14366301	IC	Soil<150um			Used in Model	N: 17.7	N: 191	N: 2.68	Y: 55.4	N: 106	N: 858	nm	Y: 0.88	Y: 213	Cu, Se, Zn	210.42	N/A
Teck_2016_ResSoil	208-H1-IC-01	16R-208-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 20.8	N: 216	Y: 5.1	N: 22	Y: 246	N: 866	nm	N: 0.41	Y: 297	Cd, Pb, Zn	314.42	N/A
USEPA_2014_ResSoil	208-IC	14356294	IC	Soil<150um			Used in Model	N: 15.1	N: 144	N: 3.4	N: 36.2	Y: 144	N: 620	nm	Y: 0.63	Y: 248	Pb, Se, Zn	215.26	N/A
USEPA_2014_ResSoil	209A-IC	14356297	IC	Soil<150um			Used in Model	N: 13.8	N: 135	N: 2.79	N: 29.1	Y: 117	N: 613	nm	N: 0.38	Y: 192	Pb, Zn	220.96	N/A
Teck_2016_ResSoil	209-G1-IC-01	16R-209-G1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 25.5	N: 255	Y: 7.14	Y: 48.8	Y: 268	N: 688	nm	N: 0.43	Y: 372	As, Cd, Cu, Pb, Zn	461.07	N/A
Teck_2016_ResSoil	209-H1-IC	16R-209-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 22	N: 230	Y: 8.17	Y: 52.7	Y: 368	N: 624	nm	Y: 0.51	Y: 432	Cd, Cu, Pb, Se, Zn	462.39	N/A
Teck_2016_ResSoil	209-P1-IC	16R-209-P1-IC-01	Multipoint	Soil<150um			Used in Model	Y: 26.4	N: 294	Y: 11	Y: 63.1	Y: 486	N: 764	nm	Y: 0.53	Y: 529	As, Cd, Cu, Pb, Se, Zn	464.64	N/A
USEPA_2014_ResSoil	20-IC	14386805	IC	Soil<150um			Used in Model	N: 7.63	N: 183	N: 2.11	N: 21.3	N: 67.6	N: 408	nm	N: 0.34	Y: 169	Zn	268.47	N/A
Teck_2016_ResSoil	210-H1-IC	16R-210-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 11.5	N: 120	N: 2.13	N: 21.1	N: 105	N: 326	nm	N: 0.22	Y: 124	Zn	146.87	N/A
Teck_2016_ResSoil	210-O1-IC-01	16R-210-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 14.3	N: 137	N: 3.3	N: 27.3	Y: 153	N: 367	nm	N: 0.26	Y: 149	Pb, Zn	141.6	N/A
Teck_2016_ResSoil	211-A1-IC	16R-211-A1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.55	N: 133	N: 2.12	N: 25.8	N: 85.4	N: 540	nm	N: 0.34	Y: 139	Zn	158.28	N/A
Teck_2016_ResSoil	211-G1-IC	16R-211-G1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.23	N: 151	N: 1.08	N: 22.5	N: 45.9	N: 507	nm	N: 0.42	Y: 122	Zn	152.4	N/A
Teck_2016_ResSoil	211-G2-IC	16R-211-G2-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.7	N: 160	N: 1.37	N: 38	N: 53.1	N: 556	nm	Y: 0.54	Y: 142	Se, Zn	158.28	N/A
Teck_2016_ResSoil	211-H1-IC	16R-211-H1-IC-01	Multipoint	Soil<150um			Used in Model	N: 7.97	N: 112	N: 2.23	N: 17.4	N: 84	N: 486	nm	N: 0.23	Y: 120	Zn	152.4	N/A
Teck_2016_ResSoil	211-O1-IC-01	16R-211-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 10.5	N: 111	Y: 3.98	N: 15.9	Y: 159	N: 511	nm	N: 0.23	Y: 151	Cd, Pb, Zn	147.32	N/A
USEPA_2014_ResSoil	213-IC	14366304	IC	Soil<150um			Used in Model	N: 17.7	N: 220	Y: 6.58	N: 22.3	Y: 358	N: 545	nm	N: 0.3	Y: 375	Cd, Pb, Zn	283.86	N/A
Teck_2016_ResSoil	213-O1-IC	16R-213-O1-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.81	N: 313	N: 0.895	N: 21.8	N: 33.3	N: 720	nm	N: 0.23	N: 110	none	113.21	N/A
Teck_2016_ResSoil	213-O2-IC-01	16R-213-O2-IC-01	Multipoint	Soil<150um			Used in Model	N: 12.7	N: 259	N: 1.67	N: 24.1	N: 74.3	N: 636	nm	N: 0.3	Y: 160	Zn	113.21	N/A
Teck_2016_ResSoil	213-O3-IC	16R-213-O3-IC-01	Multipoint	Soil<150um			Used in Model	N: 9.28	N: 114	N: 1.06	N: 16	N: 54	N: 430	nm	N: 0.3	N: 92.6	none	114.25	N/A
USEPA_2014_ResSoil	216-IC	14366432	IC	Soil<150um			Used in Model	N: 15.6	N: 187	Y: 5.54	N: 22.8	Y: 269	N: 524	nm	N: 0.36	Y: 266	Cd, Pb, Zn	241.52	N/A
USEPA_2014_ResSoil	218-IC	14396879	IC	Soil<150um			Used in Model	Y: 31.6	N: 161	Y: 11.8	N: 32.9	Y: 749	N: 564	nm	N: 0.39	Y: 597	As, Cd, Pb, Zn	649.5	N/A
USEPA_2014_ResSoil	21G-IC	14376464	IC	Soil<150um			Used in Model	Y: 24.1	N: 235	Y: 6.86	N: 35.7	Y: 327	N: 533	nm	Y: 0.55	Y: 356	As, Cd, Pb, Se, Zn	368.2	N/A
USEPA_2014_ResSoil	21-IC	14376467	IC	Soil<150um			Used in Model	N: 14.5	N: 204	N: 1.88	N: 27.7	Y: 112	N: 402	nm	Y: 0.73	Y: 195	Pb, Se, Zn	348.88	N/A
USEPA_2014_ResSoil	229-IC	14356284	IC	Soil<150um			Used in Model	N: 5.45	N: 113	N: 0.779	N: 14	N: 45.6	N: 233	nm	N: 0.11	N: 100	none	129.93	N/A
USEPA_2014_ResSoil	22-IC	14396890	IC	Soil<150um			Used in Model	N: 16	N: 138	N: 2.7	N: 19	N: 92.1	N: 485	nm	N: 0.2	Y: 153	Zn	265.46	N/A
USEPA_2014_ResSoil	230G-IC	14366311	IC	Soil<150um			Used in Model	N: 6.26	N: 101	N: 1.12	N: 13.3	N: 75.2	N: 260	nm	N: 0.13	N: 99.4	none	124.28	N/A
USEPA_2014_ResSoil	231-IC	14396954	IC	Soil<150um			Used in Model	N: 14.5	N: 214	N: 2.8	N: 24.6	Y: 116	N: 480	nm	N: 0.4	Y: 196	Pb, Zn	167.41	N/A
USEPA_2014_ResSoil	231Lower-IC	14396964	IC	Soil<150um			Used in Model	N: 14.4	N: 164	N: 2.94	N: 23.6	Y: 127	N: 382	nm	N: 0.37	Y: 191	Pb, Zn	159.01	N/A
USEPA_2014_ResSoil	238G-IC	14386737	IC	Soil<150um			Used in Model	N: 6.21	N: 136	N: 1.18	N: 19.9	N: 45.4	N: 305	nm	N: 0.18	N: 106	none	105.72	N/A
USEPA_2014_ResSoil	238M-IC	14386733	IC	Soil<150um			Used in Model	N: 4.4	N: 100	N: 0.831	N: 17.2	N: 32.8	N: 240	nm	N: 0.15	N: 99.3	none	105.72	N/A
USEPA_2014_ResSoil	246-IC	14386741	IC	Soil<150um			Used in Model	N: 3.45	N: 99.5	N: 0.785	N: 10.8	N: 25.7	N: 205	nm	N: 0.14	N: 104	none	118	N/A
USEPA_2014_ResSoil	249-IC	14366412	IC	Soil<150um			Used in Model	N: 8.62	N: 161	N: 1.61	N: 11.9	N: 81.6	N: 365	nm	N: 0.12	Y: 148	Zn	267.35	N/A
USEPA_2014_ResSoil	250-IC	14366415	IC	Soil<150um			Used in Model	N: 11	N: 179	N: 1.75	N: 13.4	N: 96.9	N: 445	nm	N: 0.15	Y: 149	Zn	187.28	N/A
USEPA_2014_ResSoil	258-IC	14366389	IC	Soil<150um			Used in Model	Y: 43.4	N: 226	Y: 17	Y: 56.1	Y: 763	N: 698	nm	Y: 0.67	Y: 699	As, Cd, Cu, Pb, Se, Zn	596.47	N/A
USEPA_2014_ResSoil	259-IC	14366381	IC	Soil<150um			Used in Model	N: 19.7	N: 169	Y: 5.73	N: 23.8	Y: 226	N: 510	nm	N: 0.27	Y: 298	Cd, Pb, Zn	337.92	N/A
USEPA_2014_ResSoil	25-IC	14386680	IC	Soil<150um			Used in Model	N: 6.94	N: 201	N: 1.09	N: 16.7	N: 47.3	N: 389	nm	N: 0.17	Y: 128	Zn	135.05	N/A
USEPA_2014_ResSoil	27-IC	14386686	IC	Soil<150um			Used in Model	N: 11.2	N: 378	N: 2.93	N: 23	Y: 127	N: 734	nm	N: 0.26	Y: 237	Pb, Zn	140.2	N/A
USEPA_2014_ResSoil	284M-IC	14346216	IC	Soil<150um			Used in Model	N: 9.2	N: 186	N: 2.87	N: 29	Y: 145	N: 502	nm	N: 0.28	Y: 237	Pb, Zn	245.09	N/A
USEPA_2014_ResSoil	285M-IC	14356226	IC	Soil<150um			Used in Model	N: 12	N: 214	N: 3.43	N: 25.8	Y: 142	N: 606	nm	N: 0.32	Y: 245	Pb, Zn	244.36	N/A
USEPA_2014_ResSoil	287-IC	14356229	IC	Soil<150um			Used in Model	N: 16.5	N: 262	Y: 5.23	N: 30.3	Y: 189	N: 691	nm	N: 0.42	Y: 268	Cd, Pb, Zn	249.87	N/A
USEPA_2014_ResSoil	28-IC	14386683	IC	Soil<150um			Used in Model	N: 4.66	N: 241	N: 0.873	N: 29.6	N: 46.9	N: 364	nm	N: 0.32	N: 105	none	141.23	N/A
USEPA_2014_ResSoil	291-IC	14346150	IC	Soil<150um			Used in Model	N: 5	N: 117	N: 1.61	N: 11.2	N: 72.5	N: 264	nm	N: 0.1	Y: 145	Zn	176.58	N/A
USEPA_2014_ResSoil	29-IC	14386687	IC	Soil<150um			Used in Model	N: 6.07	N: 220	N: 0.939	N: 25.9	N: 40.1	N: 228	nm	N: 0.37	N: 72.3	none	130.74	N/A
USEPA_2014_ResSoil	3004-IC	14396920	IC	Soil<150um			Used in Model	N: 7.91	N: 179	N: 1.56	N: 21.4	N: 75.3	N: 424	nm	N: 0.16	Y: 224	Zn	270.81	N/A
USEPA_2014_ResSoil	30-IC	14386688	IC	Soil<150um			Used in Model	N: 11.4	N: 260	N: 1.07	N: 23.8	N: 48.4	N: 577	nm	N: 0.17	Y: 123	Zn	12	

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
USEPA_2014_ResSoil	347-IC	14386851	IC	Soil<150um			Used in Model	N: 13.7	N: 144	Y: 6.73	N: 24.6	Y: 281	N: 683	nm	N: 0.27	Y: 364	Cd, Pb, Zn	221.85	N/A
USEPA_2014_ResSoil	35-IC	14376545	IC	Soil<150um			Used in Model	Y: 73	N: 170	Y: 13.4	Y: 57.8	Y: 1080	N: 462	nm	Y: 0.93	Y: 693	As, Cd, Cu, Pb, Se, Zn	661.7	N/A
USEPA_2014_ResSoil	35PA-IC	14376601	IC	Soil<150um			Used in Model	Y: 110	N: 184	Y: 18	Y: 76.4	Y: 1340	N: 627	nm	Y: 1.06	Y: 779	As, Cd, Cu, Pb, Se, Zn	665.67	N/A
USEPA_2014_ResSoil	39-IC	14376598	IC	Soil<150um			Used in Model	Y: 24.3	N: 159	Y: 9.29	N: 32.4	Y: 633	N: 544	nm	N: 0.43	Y: 463	As, Cd, Pb, Zn	655.92	N/A
USEPA_2014_ResSoil	401-IC	14376594	IC	Soil<150um			Used in Model	Y: 80.8	N: 251	Y: 20.5	Y: 67.8	Y: 1120	N: 947	nm	Y: 0.86	Y: 833	As, Cd, Cu, Pb, Se, Zn	565.62	N/A
USEPA_2014_ResSoil	402-IC	14376595	IC	Soil<150um			Used in Model	Y: 32.6	N: 148	Y: 9.48	N: 31.7	Y: 494	N: 556	nm	N: 0.42	Y: 444	As, Cd, Pb, Zn	356.42	N/A
USEPA_2014_ResSoil	403-IC	14366350	IC	Soil<150um			Used in Model	Y: 26	N: 186	Y: 9.37	Y: 42.2	Y: 394	N: 714	nm	Y: 0.61	Y: 481	As, Cd, Cu, Pb, Se, Zn	273.56	N/A
USEPA_2014_ResSoil	40-IC	14336028	IC	Soil<150um			Used in Model	Y: 35	N: 241	Y: 10.7	Y: 75.5	Y: 514	N: 645	nm	N: 0.44	Y: 456	As, Cd, Cu, Pb, Zn	457.32	N/A
USEPA_2014_ResSoil	410-IC	14366364	IC	Soil<150um			Used in Model	Y: 35	N: 204	Y: 8.89	N: 39.3	Y: 370	N: 593	nm	N: 0.47	Y: 420	As, Cd, Pb, Zn	553.43	N/A
USEPA_2014_ResSoil	412-IC	14366371	IC	Soil<150um			Used in Model	Y: 27.7	N: 213	Y: 12.6	Y: 53.3	Y: 507	N: 792	nm	N: 0.49	Y: 576	As, Cd, Cu, Pb, Zn	533.54	N/A
USEPA_2014_ResSoil	413-IC	14366404	IC	Soil<150um			Used in Model	Y: 43.2	N: 212	Y: 12.4	Y: 51.7	Y: 510	N: 728	nm	Y: 0.53	Y: 500	As, Cd, Cu, Pb, Se, Zn	513.1	N/A
USEPA_2014_ResSoil	420-IC	14366357	IC	Soil<150um			Used in Model	Y: 39.9	N: 240	Y: 10.5	Y: 47.6	Y: 422	N: 713	nm	Y: 0.52	Y: 511	As, Cd, Cu, Pb, Se, Zn	500.25	N/A
USEPA_2014_ResSoil	421-IC	14366405	IC	Soil<150um			Used in Model	N: 14.4	N: 102	Y: 4.51	N: 35	Y: 277	N: 292	nm	Y: 0.78	Y: 263	Cd, Pb, Se, Zn	340.61	N/A
USEPA_2014_ResSoil	42-IC	14376617	IC	Soil<150um			Used in Model	N: 6.89	N: 174	N: 3.27	N: 15	Y: 194	N: 410	nm	N: 0.15	Y: 211	Pb, Zn	174.17	N/A
USEPA_2014_ResSoil	430-IC	14366398	IC	Soil<150um			Used in Model	N: 14.8	N: 125	Y: 5.87	N: 26.3	Y: 246	N: 485	nm	N: 0.24	Y: 271	Cd, Pb, Zn	334.26	N/A
USEPA_2014_ResSoil	431-IC	14366399	IC	Soil<150um			Used in Model	N: 8.78	N: 102	N: 2.54	N: 18.1	N: 106	N: 303	nm	N: 0.16	Y: 156	Zn	169.14	N/A
USEPA_2014_ResSoil	432-IC	14366411	IC	Soil<150um			Used in Model	N: 14.8	N: 130	Y: 4.93	N: 26.8	Y: 279	N: 299	nm	N: 0.26	Y: 391	Cd, Pb, Zn	321.07	N/A
USEPA_2014_ResSoil	440-IC	14366418	IC	Soil<150um			Used in Model	N: 9.21	N: 127	N: 3.01	N: 22.4	Y: 130	N: 190	nm	N: 0.46	Y: 173	Pb, Zn	197.04	N/A
USEPA_2014_ResSoil	441-IC	14366421	IC	Soil<150um			Used in Model	Y: 43.6	N: 315	Y: 15	Y: 85	Y: 624	N: 1120	nm	Y: 0.71	Y: 724	As, Cd, Cu, Pb, Se, Zn	425.85	N/A
USEPA_2014_ResSoil	442-IC	14366422	IC	Soil<150um			Used in Model	N: 21.7	N: 215	Y: 5.42	N: 31.6	Y: 243	N: 769	nm	N: 0.42	Y: 302	Cd, Pb, Zn	328.11	N/A
USEPA_2014_ResSoil	44-IC	14376626	IC	Soil<150um			Used in Model	N: 7.4	N: 189	N: 1.94	N: 12.8	N: 92.4	N: 425	nm	N: 0.14	Y: 173	Zn	186.24	N/A
USEPA_2014_ResSoil	46-IC	14376605	IC	Soil<150um			Used in Model	N: 9.35	N: 165	N: 3.56	N: 15.9	Y: 176	N: 425	nm	N: 0.2	Y: 201	Pb, Zn	181.98	N/A
USEPA_2014_ResSoil	47-IC	14376629	IC	Soil<150um			Used in Model	N: 9.59	N: 150	N: 3.53	N: 14	Y: 193	N: 449	nm	N: 0.14	Y: 204	Pb, Zn	177.39	N/A
USEPA_2014_ResSoil	49-IC	14366428	IC	Soil<150um			Used in Model	Y: 79.3	Y: 521	Y: 28.2	Y: 116	Y: 1920	Y: 1640	nm	Y: 1.32	Y: 1520	As, Ba, Cd, Cu, Mn, Pb, Se, Zn	1147.98	N/A
USEPA_2014_ResSoil	55-IC	14356265	IC	Soil<150um			Used in Model	N: 6.49	N: 207	N: 1.66	N: 25.7	N: 67.9	N: 405	nm	N: 0.2	Y: 187	Zn	187.46	N/A
USEPA_2014_ResSoil	56-IC	14356280	IC	Soil<150um			Used in Model	N: 11.7	N: 244	Y: 4.46	N: 30.9	Y: 205	N: 665	nm	N: 0.3	Y: 251	Cd, Pb, Zn	197.69	N/A
USEPA_2014_ResSoil	58-IC	14356277	IC	Soil<150um			Used in Model	N: 6.85	N: 215	N: 1.74	N: 20.6	N: 68.9	N: 499	nm	N: 0.21	Y: 163	Zn	202.63	N/A
USEPA_2014_ResSoil	59A-IC	14356261	IC	Soil<150um			Used in Model	N: 18.1	N: 196	Y: 7.06	Y: 45.9	Y: 278	N: 511	nm	N: 0.33	Y: 431	Cd, Cu, Pb, Zn	268.88	N/A
USEPA_2014_ResSoil	59-IC	14356258	IC	Soil<150um			Used in Model	N: 10.4	N: 145	Y: 4.28	N: 20.4	Y: 180	N: 396	nm	N: 0.25	Y: 262	Cd, Pb, Zn	267.97	N/A
USEPA_2014_ResSoil	60-IC	14386828	IC	Soil<150um			Used in Model	N: 7.11	N: 167	N: 1.2	N: 15.8	N: 51.9	N: 459	nm	N: 0.2	N: 96.4	none	118.75	N/A
USEPA_2014_ResSoil	61-IC	14386776	IC	Soil<150um			Used in Model	N: 11.1	N: 147	N: 2.78	N: 16.6	Y: 117	N: 447	nm	N: 0.18	Y: 138	Pb, Zn	124.39	N/A
USEPA_2014_ResSoil	62G-IC	14376661	IC	Soil<150um			Used in Model	N: 9.38	N: 227	N: 1.21	N: 17.9	N: 54.9	N: 533	nm	N: 0.13	Y: 124	Zn	168.77	N/A
USEPA_2014_ResSoil	62-IC	14376664	IC	Soil<150um			Used in Model	N: 10.8	N: 267	N: 2.84	N: 18.4	Y: 133	N: 703	nm	N: 0.17	Y: 183	Pb, Zn	171.5	N/A
USEPA_2014_ResSoil	66-IC	14396900	IC	Soil<150um			Used in Model	N: 18.6	N: 190	N: 3.54	N: 20.6	Y: 154	N: 538	nm	N: 0.28	Y: 263	Pb, Zn	210.61	N/A
USEPA_2014_ResSoil	67-IC	14396903	IC	Soil<150um			Used in Model	N: 20.9	N: 186	Y: 4.37	N: 22.5	Y: 187	N: 639	nm	N: 0.32	Y: 273	Cd, Pb, Zn	276.01	N/A
USEPA_2014_ResSoil	70-IC	14396994	IC	Soil<150um			Used in Model	N: 14.3	N: 196	Y: 3.76	N: 29.3	Y: 152	N: 501	nm	N: 0.5	Y: 294	Cd, Pb, Zn	257.63	N/A
USEPA_2014_ResSoil	71-IC	14397003	IC	Soil<150um			Used in Model	N: 15.4	N: 235	N: 2.96	N: 29.7	Y: 108	N: 544	nm	Y: 0.52	Y: 269	Pb, Se, Zn	260.5	N/A
USEPA_2014_ResSoil	72-IC	14396974	IC	Soil<150um			Used in Model	N: 16.9	N: 241	Y: 6.07	Y: 42.8	Y: 240	N: 450	nm	Y: 0.86	Y: 460	Cd, Cu, Pb, Se, Zn	289.66	N/A
USEPA_2014_ResSoil	72M-IC	14396985	IC	Soil<150um			Used in Model	N: 16.6	N: 237	Y: 5.1	N: 24.6	Y: 218	N: 564	nm	N: 0.49	Y: 315	Cd, Pb, Zn	260.45	N/A
USEPA_2014_ResSoil	72U-IC	14397013	IC	Soil<150um			Used in Model	N: 13	N: 265	N: 2.35	N: 26	N: 103	N: 598	nm	N: 0.37	Y: 232	Zn	219.85	N/A
USEPA_2014_ResSoil	75-IC	14386810	IC	Soil<150um			Used in Model	Y: 31.6	N: 279	Y: 10.9	Y: 42.2	Y: 499	N: 839	nm	Y: 0.56	Y: 582	As, Cd, Cu, Pb, Se, Zn	616.22	N/A
USEPA_2014_ResSoil	7-IC	14376481	IC	Soil<150um			Used in Model	Y: 55.6	N: 178	Y: 9.15	Y: 47	Y: 1030	N: 432	nm	Y: 0.6	Y: 487	As, Cd, Cu, Pb, Se, Zn	495.55	N/A
Teck_2016_ResSoil	801-01-IC-01	16R-801-01-IC-01	Multipoint																

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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								Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC	
USEPA_2014_ResSoil	999M1-IC	14346171	IC	Soil<150um			Used in Model	N: 8.38	N: 243	N: 1.84	N: 26.7	N: 72.1	N: 715	nm	N: 0.26	Y: 239	Zn	150.67	N/A	
USEPA_2014_ResSoil	999M2-IC	14346174	IC	Soil<150um			Used in Model	N: 6.52	N: 201	N: 0.989	N: 24.8	N: 52.7	N: 565	nm	N: 0.28	Y: 156	Zn	155.17	N/A	
USEPA_2014_ResSoil	999M3-IC	14346212	IC	Soil<150um			Used in Model	N: 10.9	N: 222	N: 2.19	N: 24.6	N: 80.5	N: 614	nm	N: 0.24	Y: 204	Zn	157.26	N/A	
USEPA_2014_ResSoil	9-IC	14336032	IC	Soil<150um			Used in Model	N: 13	N: 223	N: 2.31	N: 20.3	N: 89.7	N: 618	nm	N: 0.22	Y: 144	Zn	211.67	N/A	
Teck_2014_UplandSoil	ADA-001	ADA-001-2mm	IC	Soil<2mm	430454.64	5408511.52	Used in Model	N: 16.1	N: 192	Y: 7.13	N: 22.3	Y: 316	N: 647	N: 0.069	N: 0.27	Y: 301	Cd, Pb, Zn	252.25	N/A	
Teck_2014_UplandSoil	ADA-002	ADA-002-2mm	IC	Soil<2mm	433403.18	5408902.29	Used in Model	N: 14	N: 262	N: 2.85	N: 31.4	N: 49.6	N: 501	N: 0.024	Y: 0.75	Y: 292	Se, Zn	182.64	N/A	
Teck_2014_UplandSoil	ADA-004	ADA-004-2mm	IC	Soil<2mm	434841.35	5409509.76	Used in Model	N: 15.7	Y: 428	Y: 6.2	N: 22.2	Y: 152	N: 826	N: 0.066	Y: 0.51	Y: 353	Ba, Cd, Pb, Se, Zn	317.23	N/A	
Teck_2014_UplandSoil	ADA-005	ADA-005-2mm	IC	Soil<2mm	433970.68	5410114.95	Used in Model	N: 19.4	N: 259	N: 3.06	N: 35.3	N: 74.2	N: 573	N: 0.029	Y: 0.9	Y: 283	Se, Zn	171.19	N/A	
Teck_2014_UplandSoil	ADA-006	ADA-006-2mm	IC	Soil<2mm	431738.01	5410479.8	Used in Model	N: 12.3	N: 126	Y: 4.12	N: 15.1	Y: 186	N: 446	N: 0.042	N: 0.2	Y: 197	Cd, Pb, Zn	236.6	N/A	
Teck_2014_UplandSoil	ADA-008	ADA-008-2mm	IC	Soil<2mm	431121.98	5411071.92	Used in Model	N: 20	N: 289	Y: 7.06	N: 20.5	Y: 407	N: 757	N: 0.108	N: 0.4	Y: 330	Cd, Pb, Zn	243.38	N/A	
Teck_2014_UplandSoil	ADA-010	ADA-010-2mm	IC	Soil<2mm	431882.23	5411419.95	Used in Model	Y: 24.6	N: 196	Y: 9.64	N: 31.8	Y: 429	Y: 1390	N: 0.105	N: 0.39	Y: 401	As, Cd, Mn, Pb, Zn	341.04	N/A	
Teck_2014_UplandSoil	ADA-015	ADA-015-2mm	IC	Soil<2mm	431758.61	5412692.02	Used in Model	N: 8.31	N: 163	N: 2.72	N: 11.1	Y: 141	N: 552	N: 0.048	N: 0.14	Y: 150	Pb, Zn	173.55	N/A	
Teck_2014_UplandSoil	ADA-016-A	ADA-016-A-2mm	IC	Soil<2mm	433047.9101	5412676.295	Used in Model	N: 8.32	N: 95.8	N: 2.73	N: 9.9	Y: 110	N: 395	N: 0.032	N: 0.14	Y: 126	Pb, Zn	181.23	N/A	
Teck_2014_UplandSoil	ADA-017	ADA-017-2mm	IC	Soil<2mm	436223.22	5412670.32	Used in Model	N: 18.4	N: 178	Y: 6.04	N: 19.6	Y: 267	N: 649	N: 0.059	N: 0.23	Y: 268	Cd, Pb, Zn	249.04	N/A	
Teck_2014_UplandSoil	ADA-018	ADA-018-2mm	IC	Soil<2mm	436860.07	5412665.23	Used in Model	N: 15.8	N: 263	Y: 10.1	N: 29.5	Y: 592	N: 1010	N: 0.106	N: 0.35	Y: 455	Cd, Pb, Zn	387.48	N/A	
Teck_2014_UplandSoil	ADA-019	ADA-019-2mm	IC	Soil<2mm	432246.75	5413794.69	Used in Model	N: 13.8	N: 159	N: 2	N: 22.5	N: 76.6	N: 537	N: 0.036	N: 0.22	Y: 152	Zn	163.33	N/A	
Teck_2014_UplandSoil	ADA-020-A	ADA-020-A-2mm	IC	Soil<2mm	434932.9972	5413770.788	Used in Model	N: 8.43	N: 163	N: 1.47	N: 15.3	N: 59	N: 431	N: 0.019	N: 0.14	Y: 117	Zn	126.61	N/A	
Teck_2014_UplandSoil	ADA-021	ADA-021-2mm	IC	Soil<2mm	433865.15	5414541.12	Used in Model	N: 23	N: 194	N: 2.13	Y: 49.5	N: 66.7	N: 664	N: 0.043	N: 0.38	Y: 156	Cu, Zn	160.21	N/A	
Teck_2014_UplandSoil	ADA-023-A	ADA-023-A-2mm	IC	Soil<2mm	436536.7545	5414561.05	Used in Model	N: 13.8	N: 203	Y: 4.8	N: 28.5	Y: 121	N: 405	N: 0.039	Y: 0.59	Y: 257	Cd, Pb, Se, Zn	291.41	N/A	
Teck_2014_UplandSoil	ADA-024	ADA-024-2mm	IC	Soil<2mm	437401.59	5413570.48	Used in Model	Y: 27.7	N: 248	Y: 10.7	Y: 42.8	Y: 506	N: 824	Y: 0.136	N: 0.37	Y: 466	As, Cd, Cu, Hg, Pb, Zn	384.63	N/A	
Teck_2014_UplandSoil	ADA-025	ADA-025-2mm	IC	Soil<2mm	441302.78	5413328.8	Used in Model	N: 20.7	Y: 820	Y: 11	N: 24.3	Y: 283	Y: 1490	N: 0.079	Y: 0.58	Y: 514	Ba, Cd, Mn, Pb, Se, Zn	406.75	N/A	
Teck_2014_UplandSoil	ADA-026	ADA-026-2mm	IC	Soil<2mm	443474.57	5413075.78	Used in Model	N: 11.3	Y: 630	Y: 7.34	N: 25.2	N: 104	N: 705	N: 0.069	Y: 0.57	Y: 420	Ba, Cd, Se, Zn	298.42	N/A	
Teck_2014_UplandSoil	ADA-028	ADA-028-2mm	IC	Soil<2mm	440972.65	5414580.01	Used in Model	N: 20	N: 221	Y: 5.8	N: 21.5	Y: 280	N: 905	N: 0.06	N: 0.2	Y: 246	Cd, Pb, Zn	213.32	N/A	
Teck_2014_UplandSoil	ADA-033	ADA-033-2mm	IC	Soil<2mm	449613.36	5414585.04	Used in Model	N: 13.6	Y: 517	Y: 5	N: 16.2	N: 89.7	N: 1160	N: 0.029	N: 0.38	Y: 485	Ba, Cd, Zn	286.23	N/A	
Teck_2014_UplandSoil	ADA-034	ADA-034-2mm	IC	Soil<2mm	449958.59	5413313.93	Used in Model	N: 9.62	N: 316	N: 1.66	N: 15.8	N: 62	N: 931	N: 0.026	N: 0.31	Y: 229	Zn	185.09	N/A	
Teck_2014_UplandSoil	ADA-035	ADA-035-2mm	IC	Soil<2mm	443883.84	5415485.41	Used in Model	N: 15.5	N: 307	Y: 5.85	N: 11	Y: 236	Y: 1250	N: 0.063	N: 0.2	Y: 415	Cd, Mn, Pb, Zn	344.53	N/A	
Teck_2014_UplandSoil	ADA-039	ADA-039-2mm	IC	Soil<2mm	451394.89	5415894.16	Used in Model	N: 8.31	Y: 643	Y: 5.57	N: 13.2	N: 47.7	N: 1080	N: 0.028	N: 0.33	Y: 277	Ba, Cd, Zn	193.88	N/A	
Teck_2014_UplandSoil	ADA-042	ADA-042-2mm	IC	Soil<2mm	446424.57	5416827.09	Used in Model	N: 11.7	Y: 449	N: 2.27	N: 14.8	Y: 116	N: 908	N: 0.048	N: 0.29	Y: 180	Ba, Pb, Zn	186.25	N/A	
Teck_2014_UplandSoil	ADA-043	ADA-043-2mm	IC	Soil<2mm	448286.6	5417171.67	Used in Model	N: 12.7	Y: 1170	Y: 4.9	N: 40.8	Y: 121	N: 958	N: 0.067	Y: 0.63	Y: 292	Ba, Cd, Pb, Se, Zn	274.98	N/A	
Teck_2014_UplandSoil	ADA-044	ADA-044-2mm	IC	Soil<2mm	437517.69	5417874.07	Used in Model	N: 14.5	Y: 435	Y: 12.4	N: 27.9	Y: 152	N: 943	N: 0.076	Y: 0.68	Y: 486	Ba, Cd, Pb, Se, Zn	330.96	N/A	
Teck_2014_UplandSoil	ADA-045	ADA-045-2mm	IC	Soil<2mm	443775.55	5417445.4	Used in Model	Y: 27.4	N: 257	Y: 10.6	N: 27.5	Y: 497	N: 1110	N: 0.115	N: 0.39	Y: 432	As, Cd, Pb, Zn	373.54	N/A	
Teck_2014_UplandSoil	ADA-046	ADA-046-2mm	IC	Soil<2mm	444800.65	5417460.34	Used in Model	N: 14	N: 230	Y: 5.19	N: 18.1	Y: 269	N: 638	N: 0.075	N: 0.25	Y: 221	Cd, Pb, Zn	231.79	N/A	
Teck_2014_UplandSoil	ADA-047	ADA-047-2mm	IC	Soil<2mm	439605.07	5417642.93	Used in Model	N: 19.2	N: 233	Y: 7.7	N: 25.8	Y: 316	N: 851	N: 0.084	N: 0.37	Y: 478	Cd, Pb, Zn	430.62	N/A	
Teck_2014_UplandSoil	ADA-048	ADA-048-2mm	IC	Soil<2mm	448627.38	5418004.96	Used in Model	N: 10.8	Y: 1420	Y: 5.16	N: 27.5	Y: 127	N: 1030	N: 0.083	Y: 0.78	Y: 297	Ba, Cd, Pb, Se, Zn	284.81	N/A	
Teck_2014_UplandSoil	ADA-049	ADA-049-2mm	IC	Soil<2mm	450330.43	5417827.86	Used in Model	N: 12.1	Y: 618	Y: 7.11	N: 21.4	N: 57.2	Y: 1470	N: 0.046	N: 0.48	Y: 290	Ba, Cd, Mn, Zn	217.27	N/A	
Teck_2014_UplandSoil	ADA-050	ADA-050-2mm	IC	Soil<2mm	440794.62	5418192.02	Used in Model	N: 21.8	N: 213	Y: 10.3	Y: 46.2	Y: 387	N: 577	N: 0.109	Y: 0.66	Y: 546	Cd, Cu, Pb, Se, Zn	296.5	N/A	
Teck_2014_UplandSoil	ADA-051	ADA-051-2mm	IC	Soil<2mm	448031.66	5418403.88	Used in Model	N: 9.98	Y: 802	Y: 8.16	Y: 48.9	Y: 114	N: 783	N: 0.039	Y: 0.88	Y: 418	Ba, Cd, Cu, Pb, Se, Zn	296.9	N/A	
Teck_2014_UplandSoil	ADA-052	ADA-052-2mm	IC	Soil<2mm	439725.88	5418827.27	Used in Model	N: 19.1	N: 343	Y: 9.85	N: 26	Y: 398	N: 872	Y: 0.123	N: 0.39	Y: 456	Cd, Hg, Pb, Zn	314.73	N/A	
Teck_2014_UplandSoil	ADA-053	ADA-053-2mm	IC	Soil<2mm	438078.38	5419121.05	Used in Model	N: 11.1	Y: 565	N: 2.4	N: 18.4	Y: 123	Y: 1940	N: 0.076	N: 0.34	Y: 190	Ba, Mn, Pb, Zn	221.54	N/A	
Teck_2014_UplandSoil	ADA-054	ADA-054-2mm	IC	Soil<2mm	441048.01	5419092.79	Used in Model	Y: 24.1	N: 232	Y: 9.98	N: 31.9	Y: 398	N: 661	Y: 0.122	N: 0.41	Y: 468	As, Cd, Hg, Pb, Zn	414.13	N/A	
Teck_2014_UplandSoil	ADA-055-A	ADA-055-A-2mm	IC	Soil<2mm	448657.6702	5419068.481	Used in Model	Y: 23.6	Y: 1360	Y: 10.4	Y: 42.6	Y: 188	Y: 1380	N: 0.04	Y: 0.84	Y: 552	As, Ba, Cd, Cu, Mn, Pb, Se, Zn	373.46	N/A	
Teck_2014_UplandSoil	ADA-056	ADA-056-2mm	IC	Soil<2mm	437163.92	5419361.96	Used in Model	N: 11.5	Y: 551	N: 2.27	N: 17.5	N: 92	Y: 2060	N: 0.041	N: 0.21	Y: 193	Ba, Mn, Zn	202.25	N/A	
Teck_2014_UplandSoil	ADA-057	ADA-057-2mm	IC	Soil<2mm	439041.12	5419194.04	Used in Model	N: 14.6	N: 285	N: 2.9	N: 26.3	Y: 127	N: 913	N: 0.052	N: 0.24	Y: 180	Pb, Zn	232.15	N/A	
Teck_2014_UplandSoil	ADA-058	ADA-058-2mm	IC	Soil<2mm	450578.68	5419381.02	Used in Model	N: 7.91	Y: 424	N: 2.33	N: 14.7	N: 94.1	Y: 1950	N: 0.06	N: 0.18	Y: 210	Ba, Mn, Zn	259.89	N/A	
Teck_2014_UplandSoil	ADA-059	ADA-059-2mm	IC	Soil<2mm	438831.39	5420042.2	Used in Model	N: 11.8	Y: 588	N: 3.46	N: 23.2	Y: 137	Y: 1880	N: 0.079	N: 0.29	Y: 236	Ba, Mn, Pb, Zn	237.9	N/A	
Teck_2014_UplandSoil	ADA-060-A	ADA-060-A-2mm	IC	Soil<2mm	440728.2254	5419720.317	Used in Model	N: 19.1	N: 201	Y: 7.36	N: 31	Y: 271	N: 759	N: 0.085	N: 0.31	Y: 361	Cd, Pb, Zn	356.98	N/A	
Teck_2014_UplandSoil	ADA-061	ADA-061-2mm	IC	Soil<2mm	437829.58	5420006.53	Used in Model	N: 15	Y: 620	N: 2.83	N: 19.4	Y: 141	Y: 2350	N: 0.045	N: 0.21	Y: 211	Ba, Mn, Pb, Zn	231.26	N/A	
Teck_2014_UplandSoil	ADA-062	ADA-062-2mm	IC	Soil<2mm	440695.13	5420497.95	Used in Model	N: 15.7	N: 235	Y: 6.45	N: 19.7	Y: 277	N: 736	N: 0.083	N: 0.24	Y: 303	Cd, Pb, Zn	313.86	N/A	
Teck_2014_UplandSoil	ADA-063	ADA-063-2mm	IC	Soil<2mm	450559.98	5420322.58	Used in Model	N: 14.4	Y: 1370	Y: 7.19	N: 17.3	Y: 163	Y: 1570	N: 0.094	N: 0.38	Y: 291	Ba, Cd, Mn, Pb, Zn	317.78	N/A	
Teck_2014_UplandSoil	ADA-064	ADA-064-2mm	IC	Soil<2mm	437775.04	5420643.94	Used in Model	N: 16.5	Y: 517	N: 2.68	N: 20.2	Y: 126	Y: 2270	N: 0.043	N: 0.38	Y: 233	Ba, Mn, Pb, Zn	221.89	N/A	
Teck_2014_UplandSoil	ADA-065	ADA-065-2mm	IC	Soil<2mm	441470.61	5420669.41	Used in Model	N: 10.7	N: 102	N: 3.17	N: 13.1	Y: 145	N: 472	N: 0.043	N: 0.17	Y: 160	Pb, Zn	200.23	N/A	
Teck_2014_UplandSoil	ADA-066	ADA-066-2mm	IC	Soil<2mm	442276.59	5420593.92	Used in Model	N: 11.9	N: 211	Y: 4.53	N: 18.5	Y: 181	N: 711	N: 0.055	N: 0.21	Y: 243	Cd, Pb, Zn	243.81	N/A	
Teck_2014_UplandSoil	ADA-067	ADA-067-2mm	IC	Soil<2mm	449938.4	5420651.82	Used in Model	N: 11.1	Y: 811	Y: 8.18	Y: 45.9	N: 105	Y: 1360	N: 0.059	N: 0.38	Y: 279	Ba, Cd, Cu, Mn, Zn	286.19	N/A	

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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								Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC	
Teck_2014_UplandSoil	ADA-088	ADA-088-2mm	IC	Soil<2mm	442908.22	5424496.56	Used in Model	N: 19.2	N: 379	Y: 5.98	N: 25.5	Y: 242	Y: 1300	N: 0.097	N: 0.41	Y: 290	Cd, Mn, Pb, Zn	304.32	N/A	
Teck_2014_UplandSoil	ADA-089	ADA-089-2mm	IC	Soil<2mm	444826.92	5424835.38	Used in Model	Y: 24.2	Y: 402	Y: 5.59	N: 24.6	Y: 274	Y: 1540	N: 0.081	N: 0.33	Y: 312	As, Ba, Cd, Mn, Pb, Zn	341.24	N/A	
Teck_2014_UplandSoil	ADA-090	ADA-090-2mm	IC	Soil<2mm	442011.75	5424972.58	Used in Model	N: 12.9	Y: 482	Y: 5.56	N: 19.4	Y: 222	Y: 1300	Y: 0.122	N: 0.3	Y: 305	Ba, Cd, Hg, Mn, Pb, Zn	220.37	N/A	
Teck_2014_UplandSoil	ADA-091	ADA-091-2mm	IC	Soil<2mm	445538.96	5425089.27	Used in Model	N: 19.8	N: 309	Y: 7.52	N: 22.4	Y: 267	N: 1020	N: 0.088	N: 0.33	Y: 358	Cd, Pb, Zn	343.44	N/A	
Teck_2014_UplandSoil	ADA-092	ADA-092-2mm	IC	Soil<2mm	455156.03	5424892.13	Used in Model	Y: 23.4	Y: 423	Y: 8.69	N: 23.7	Y: 273	Y: 1530	N: 0.093	Y: 0.56	Y: 413	As, Ba, Cd, Mn, Pb, Se, Zn	396.38	N/A	
Teck_2014_UplandSoil	ADA-093	ADA-093-2mm	IC	Soil<2mm	459485.85	5425132.23	Used in Model	N: 19	Y: 416	Y: 4.46	N: 15.5	Y: 197	Y: 1920	N: 0.086	N: 0.33	Y: 265	Ba, Cd, Mn, Pb, Zn	252.05	N/A	
Teck_2014_UplandSoil	ADA-094	ADA-094-2mm	IC	Soil<2mm	442935.87	5425460.01	Used in Model	N: 12.6	N: 359	N: 1.96	N: 16.4	N: 98.4	N: 918	N: 0.057	N: 0.18	Y: 152	Zn	188.4	N/A	
Teck_2014_UplandSoil	ADA-095	ADA-095-2mm	IC	Soil<2mm	443519.63	5425506.74	Used in Model	N: 17	N: 347	N: 2.86	N: 18.4	Y: 161	N: 1240	N: 0.082	N: 0.29	Y: 187	Pb, Zn	214.78	N/A	
Teck_2014_UplandSoil	ADA-096	ADA-096-2mm	IC	Soil<2mm	444567.93	5425426.22	Used in Model	N: 14.7	Y: 470	Y: 6.16	N: 18.2	Y: 282	Y: 1250	N: 0.096	N: 0.38	Y: 307	Ba, Cd, Mn, Pb, Zn	329.82	N/A	
Teck_2014_UplandSoil	ADA-097	ADA-097-2mm	IC	Soil<2mm	446756.2	5425504.42	Used in Model	N: 19.6	N: 346	Y: 9.89	N: 28.6	Y: 419	N: 1190	Y: 0.132	N: 0.47	Y: 446	Cd, Hg, Pb, Zn	415.62	N/A	
Teck_2014_UplandSoil	ADA-099	ADA-099-2mm	IC	Soil<2mm	445469.14	5426068.74	Used in Model	N: 21.1	N: 386	Y: 5.81	N: 22.4	Y: 264	Y: 1580	Y: 0.122	N: 0.29	Y: 324	Cd, Hg, Mn, Pb, Zn	320.85	N/A	
Teck_2014_UplandSoil	ADA-101	ADA-101-2mm	IC	Soil<2mm	457234.81	5425998.13	Used in Model	N: 17.3	N: 237	Y: 3.93	N: 20.8	Y: 227	N: 1110	N: 0.093	N: 0.4	Y: 254	Cd, Pb, Zn	288.37	N/A	
Teck_2014_UplandSoil	ADA-102	ADA-102-2mm	IC	Soil<2mm	459162.26	5426045.5	Used in Model	N: 13.5	Y: 400	N: 2.87	N: 19.2	Y: 148	N: 1000	N: 0.052	N: 0.27	Y: 211	Ba, Pb, Zn	183.76	N/A	
Teck_2014_UplandSoil	ADA-103	ADA-103-2mm	IC	Soil<2mm	460746.37	5426053.11	Used in Model	N: 15.9	Y: 518	N: 3.68	N: 25.9	Y: 130	Y: 2140	N: 0.07	N: 0.34	Y: 257	Ba, Mn, Pb, Zn	253.85	N/A	
Teck_2014_UplandSoil	ADA-104	ADA-104-2mm	IC	Soil<2mm	463360.88	5426078.09	Used in Model	N: 11	Y: 423	N: 2.54	N: 14.2	N: 94.2	N: 1180	N: 0.077	N: 0.47	Y: 231	Ba, Zn	232.8	N/A	
Teck_2014_UplandSoil	ADA-105	ADA-105-2mm	IC	Soil<2mm	456630.28	5426560.54	Used in Model	N: 16	Y: 427	Y: 6.95	N: 25.5	Y: 274	N: 1060	N: 0.106	N: 0.28	Y: 389	Ba, Cd, Pb, Zn	312.81	N/A	
Teck_2014_UplandSoil	ADA-106-A	ADA-106-A-2mm	IC	Soil<2mm	462060.7784	5426417.34	Used in Model	N: 11.7	Y: 636	N: 3	N: 19.5	N: 94.2	Y: 1580	N: 0.079	Y: 0.52	Y: 243	Ba, Mn, Se, Zn	232.41	N/A	
Teck_2014_UplandSoil	ADA-107-A	ADA-107-A-2mm	IC	Soil<2mm	441309.861	5426718.578	Used in Model	N: 12.4	Y: 568	Y: 5.47	N: 33.9	Y: 171	Y: 2220	N: 0.091	N: 0.3	Y: 332	Ba, Cd, Mn, Pb, Zn	320.94	N/A	
Teck_2014_UplandSoil	ADA-108-A	ADA-108-A-2mm	IC	Soil<2mm	448933.4199	5426708.532	Used in Model	N: 12.9	N: 274	N: 3.67	N: 23.2	Y: 163	N: 810	N: 0.065	N: 0.21	Y: 221	Pb, Zn	252.83	N/A	
Teck_2014_UplandSoil	ADA-109	ADA-109-2mm	IC	Soil<2mm	450244.43	5426703.66	Used in Model	N: 15.1	N: 217	Y: 7.46	N: 20.4	Y: 327	N: 696	Y: 0.129	N: 0.46	Y: 393	Cd, Hg, Pb, Zn	354.9	N/A	
Teck_2014_UplandSoil	ADA-110	ADA-110-2mm	IC	Soil<2mm	451220.13	5426731.61	Used in Model	N: 12.6	N: 183	Y: 5.22	N: 18.8	Y: 216	N: 482	N: 0.067	N: 0.22	Y: 257	Cd, Pb, Zn	194.59	N/A	
Teck_2014_UplandSoil	ADA-111	ADA-111-2mm	IC	Soil<2mm	440003.76	5427024.6	Used in Model	N: 11.3	N: 373	N: 2.71	N: 22	Y: 108	N: 1070	N: 0.072	N: 0.2	Y: 188	Pb, Zn	230.04	N/A	
Teck_2014_UplandSoil	ADA-112	ADA-112-2mm	IC	Soil<2mm	442278.24	5427342.19	Used in Model	N: 11.6	Y: 451	N: 3.29	N: 19.8	N: 103	Y: 1520	N: 0.088	N: 0.3	Y: 193	Ba, Mn, Zn	215.26	N/A	
Teck_2014_UplandSoil	ADA-113	ADA-113-2mm	IC	Soil<2mm	442900.9	5426988.87	Used in Model	N: 13	Y: 545	N: 2.73	N: 17.9	Y: 145	Y: 1490	N: 0.107	N: 0.26	Y: 175	Ba, Mn, Pb, Zn	148.05	N/A	
Teck_2014_UplandSoil	ADA-114	ADA-114-2mm	IC	Soil<2mm	444059.46	5427652.87	Used in Model	N: 16.7	Y: 401	N: 2.85	N: 16.6	Y: 133	Y: 1500	N: 0.1	N: 0.21	Y: 200	Ba, Mn, Pb, Zn	178.32	N/A	
Teck_2014_UplandSoil	ADA-115	ADA-115-2mm	IC	Soil<2mm	444533.83	5427152.76	Used in Model	N: 14	N: 320	N: 2.66	N: 12.6	Y: 148	N: 1190	N: 0.074	N: 0.18	Y: 192	Pb, Zn	196.81	N/A	
Teck_2014_UplandSoil	ADA-116	ADA-116-2mm	IC	Soil<2mm	445443.39	5427369.29	Used in Model	N: 15.2	N: 266	N: 2.57	N: 14.6	Y: 131	N: 1110	N: 0.065	N: 0.2	Y: 177	Pb, Zn	227.16	N/A	
Teck_2014_UplandSoil	ADA-117	ADA-117-2mm	IC	Soil<2mm	446897.73	5427439.69	Used in Model	N: 15.4	N: 292	N: 3.71	N: 15.7	Y: 165	Y: 1270	N: 0.056	N: 0.16	Y: 214	Mn, Pb, Zn	258.23	N/A	
Teck_2014_UplandSoil	ADA-118	ADA-118-2mm	IC	Soil<2mm	447704.37	5427630.14	Used in Model	N: 13.1	Y: 411	Y: 4.95	N: 17.9	Y: 154	Y: 1430	N: 0.079	N: 0.22	Y: 304	Ba, Cd, Mn, Pb, Zn	191.66	N/A	
Teck_2014_UplandSoil	ADA-119	ADA-119-2mm	IC	Soil<2mm	449078.13	5427385.04	Used in Model	N: 13.3	N: 268	Y: 3.87	N: 19.7	Y: 175	N: 948	N: 0.078	N: 0.19	Y: 237	Cd, Pb, Zn	274.49	N/A	
Teck_2014_UplandSoil	ADA-121	ADA-121-2mm	IC	Soil<2mm	457851.02	5427244.43	Used in Model	N: 17.5	N: 393	Y: 5.84	N: 25.6	Y: 242	N: 1190	N: 0.091	N: 0.31	Y: 360	Cd, Pb, Zn	356.19	N/A	
Teck_2014_UplandSoil	ADA-122	ADA-122-2mm	IC	Soil<2mm	461532.93	5427265.77	Used in Model	N: 10.4	Y: 431	N: 2.9	N: 13	N: 102	Y: 1620	N: 0.082	N: 0.36	Y: 220	Ba, Mn, Zn	232.46	N/A	
Teck_2014_UplandSoil	ADA-124-A	ADA-124-A-2mm	IC	Soil<2mm	445930.8515	5418412.099	Used in Model	N: 12.2	N: 164	N: 3.17	N: 12.1	Y: 218	N: 637	N: 0.07	N: 0.25	Y: 148	Pb, Zn	207.64	N/A	
Teck_2014_UplandSoil	ADA-125	ADA-125-2mm	IC	Soil<2mm	446414.68	5419058.76	Used in Model	N: 13.2	N: 144	N: 2.35	N: 11.7	Y: 158	N: 475	N: 0.053	N: 0.19	Y: 120	Pb, Zn	160.52	N/A	
Teck_2014_UplandSoil	ADA-126	ADA-126-2mm	IC	Soil<2mm	444790.43	5419389.35	Used in Model	N: 22.1	N: 282	Y: 7.9	Y: 51.8	Y: 379	N: 778	N: 0.103	N: 0.33	Y: 322	Cd, Cu, Pb, Zn	298.39	N/A	
Teck_2014_UplandSoil	ADA-127	ADA-127-2mm	IC	Soil<2mm	447387.57	5419964.38	Used in Model	N: 19	Y: 492	Y: 6.32	N: 29.4	Y: 189	N: 762	N: 0.039	N: 0.38	Y: 365	Ba, Cd, Pb, Zn	261.41	N/A	
Teck_2014_UplandSoil	ADA-128	ADA-128-2mm	IC	Soil<2mm	443076.44	5420042.99	Used in Model	N: 10.6	N: 85.1	Y: 5.13	N: 17.1	Y: 230	N: 301	N: 0.039	N: 0.18	Y: 231	Cd, Pb, Zn	322.38	N/A	
Teck_2014_UplandSoil	ADA-131-A	ADA-131-A-2mm	IC	Soil<2mm	449312.849	5421241.761	Used in Model	Y: 28.8	Y: 413	Y: 10	N: 22.8	Y: 561	N: 979	Y: 0.14	Y: 0.55	Y: 419	As, Ba, Cd, Hg, Pb, Se, Zn	473.26	N/A	
Teck_2014_UplandSoil	ADA-132	ADA-132-2mm	IC	Soil<2mm	444488.36	5421679.27	Used in Model	N: 11.9	N: 163	N: 3.25	N: 13.9	Y: 224	N: 338	N: 0.069	N: 0.22	Y: 193	Pb, Zn	188.64	N/A	
Teck_2014_UplandSoil	ADA-133	ADA-133-2mm	IC	Soil<2mm	442921.06	5422266.3	Used in Model	N: 15.4	N: 210	Y: 4.98	N: 17.2	Y: 255	N: 714	N: 0.061	N: 0.26	Y: 269	Cd, Pb, Zn	236.66	N/A	
Teck_2014_UplandSoil	ADA-135-A	ADA-135-A-2mm	IC	Soil<2mm	445774.6801	5421960.234	Used in Model	N: 8.78	N: 95.4	N: 2.61	N: 18.6	Y: 116	N: 348	N: 0.034	N: 0.25	Y: 180	Pb, Zn	184.19	N/A	
Teck_2014_UplandSoil	ADA-136	ADA-136-2mm	IC	Soil<2mm	443716.5	5422241.23	Used in Model	N: 10.5	N: 136	Y: 5.59	N: 15.6	Y: 215	N: 478	N: 0.062	N: 0.22	Y: 274	Cd, Pb, Zn	272.94	N/A	
Teck_2014_UplandSoil	ADA-139	ADA-139-2mm	IC	Soil<2mm	451060.27	5422224.62	Used in Model	N: 18.7	N: 314	Y: 5.1	N: 18.9	Y: 236	N: 804	N: 0.077	N: 0.37	Y: 304	Cd, Pb, Zn	242.54	N/A	
Teck_2014_UplandSoil	ADA-141	ADA-141-2mm	IC	Soil<2mm	442596.58	5422858.29	Used in Model	N: 12	N: 203	N: 3.04	N: 12.3	Y: 140	N: 651	N: 0.085	N: 0.19	Y: 193	Pb, Zn	239.68	N/A	
Teck_2014_UplandSoil	ADA-142	ADA-142-2mm	IC	Soil<2mm	444830	5422890.11	Used in Model	N: 10.9	N: 125	Y: 5.16	N: 12.3	Y: 232	N: 477	N: 0.056	N: 0.2	Y: 241	Cd, Pb, Zn	321.56	N/A	
Teck_2014_UplandSoil	ADA-143	ADA-143-2mm	IC	Soil<2mm	446410.86	5422879.56	Used in Model	N: 9.86	N: 109	N: 2.98	N: 15	Y: 141	N: 329	N: 0.044	N: 0.21	Y: 167	Pb, Zn	233.37	N/A	
Teck_2014_UplandSoil	ADA-144	ADA-144-2mm	IC	Soil<2mm	448020.85	5422887.43	Used in Model	N: 19.1	N: 88.6	Y: 5.78	N: 18.2	Y: 260	N: 327	N: 0.062	N: 0.26	Y: 233	Cd, Pb, Zn	325.62	N/A	
Teck_2014_UplandSoil	ADA-145	ADA-145-2mm	IC	Soil<2mm	444382.5	5423458.64	Used in Model	N: 16.5	N: 235	Y: 6.83	N: 20	Y: 309	N: 792	N: 0.099	N: 0.29	Y: 332	Cd, Pb, Zn	391.32	N/A	
Teck_2014_UplandSoil	ADA-146	ADA-146-2mm	IC	Soil<2mm	445773.07	5423271.65	Used in Model	N: 16.8	N: 182	Y: 6.35	N: 18.3	Y: 290	N: 591	N: 0.063	N: 0.25	Y: 331	Cd, Pb, Zn	267.28	N/A	
Teck_2014_UplandSoil	ADA-147	ADA-147-2mm	IC	Soil<2mm	447710.68	5423527.46	Used in Model	N: 17	N: 88	Y: 5.52	N: 16.9	Y: 352	N: 298	N: 0.086	N: 0.29	Y: 224	Cd, Pb, Zn	295.3	N/A	
Teck_2014_UplandSoil	ADA-148	ADA-148-2mm	IC	Soil<2mm	448959.94	5423535.21	Used in Model	N: 16.5	N: 88.7	Y: 5.99	N: 18.8	Y: 342	N: 437	N: 0.079	N: 0.24	Y: 225	Cd, Pb, Zn	258.79	N/A	
Teck_2014_UplandSoil	ADA-150	ADA-150-2mm	IC	Soil<2mm	449934.27	5423856.82	Used in Model	N: 17.7	N: 83	Y: 5.03	N: 19.8	Y: 326	N: 320	N: 0.073	N: 0.25	Y: 229	Cd, Pb, Zn	242.52	N/A	
Teck_2014_UplandSoil	ADA-151	ADA-151-2mm	IC	Soil<2mm	450555.29	5423841.69	Used in Model	N: 13.6	N: 56.2	N: 3.42	N: 17.1	Y: 328	N: 220	N: 0.098						

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
Final Upland RI Report
Upper Columbia River, Washington

							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
Teck_2014_UplandSoil	ADA-165	ADA-165-2mm	IC	Soil<2mm	451970.55	5426465.76	Used in Model	N: 22.4	N: 208	Y: 10.8	N: 26.8	Y: 504	N: 631	Y: 0.148	N: 0.38	Y: 562	Cd, Hg, Pb, Zn	461.4	N/A
Teck_2014_UplandSoil	ADA-168	ADA-168-2mm	IC	Soil<2mm	454736.09	5427633.42	Used in Model	Y: 25.8	N: 187	Y: 7.55	N: 20.5	Y: 307	N: 640	N: 0.079	N: 0.29	Y: 419	As, Cd, Pb, Zn	485.07	N/A
Teck_2014_UplandSoil	ADA-169-A	ADA-169-A-2mm	IC	Soil<2mm	463116.5066	5421657.072	Used in Model	N: 11.9	N: 225	N: 0.85	N: 11.2	N: 79.6	N: 964	N: 0.053	N: 0.13	N: 103	none	144.24	N/A
Teck_2014_UplandSoil	ADA-170	ADA-170-2mm	IC	Soil<2mm	461139.2	5422256.53	Used in Model	N: 12.8	N: 218	N: 2.37	N: 14.6	Y: 122	N: 931	N: 0.095	N: 0.31	Y: 355	Pb, Zn	267.73	N/A
Teck_2014_UplandSoil	ADA-171	ADA-171-2mm	IC	Soil<2mm	461111.06	5422860.89	Used in Model	N: 11	N: 221	N: 2.76	N: 17.4	N: 100	N: 805	N: 0.087	N: 0.3	Y: 433	Zn	276.04	N/A
Teck_2014_UplandSoil	ADA-172	ADA-172-2mm	IC	Soil<2mm	466221.97	5422885.95	Used in Model	N: 6.23	N: 220	N: 0.89	N: 8.22	N: 82	N: 1100	N: 0.098	N: 0.26	N: 72.4	none	131.48	N/A
Teck_2014_UplandSoil	ADA-173-A	ADA-173-A-2mm	IC	Soil<2mm	462347.1849	5423522.848	Used in Model	N: 12.5	N: 313	N: 1.86	N: 12.2	N: 90.6	N: 1160	N: 0.073	N: 0.26	Y: 180	Zn	190.09	N/A
Teck_2014_UplandSoil	ADA-174	ADA-174-2mm	IC	Soil<2mm	463357.73	5423907.06	Used in Model	N: 11.1	Y: 417	N: 3.41	N: 10.3	N: 94.5	Y: 1410	N: 0.116	N: 0.34	Y: 219	Ba, Mn, Zn	215.02	N/A
Teck_2014_UplandSoil	ADA-175	ADA-175-2mm	IC	Soil<2mm	464902.99	5423841.07	Used in Model	N: 5.98	N: 286	N: 0.936	N: 13.2	N: 76.6	N: 1070	N: 0.05	N: 0.17	Y: 117	Zn	152.29	N/A
Teck_2014_UplandSoil	ADA-176	ADA-176-2mm	IC	Soil<2mm	465577.16	5423872.26	Used in Model	N: 5.59	N: 371	N: 0.851	N: 17.5	N: 63.4	N: 858	N: 0.055	N: 0.16	N: 109	none	136.91	N/A
Teck_2014_UplandSoil	ADA-177	ADA-177-2mm	IC	Soil<2mm	466824.04	5424006.6	Used in Model	N: 9.09	N: 188	N: 0.701	N: 13	N: 70.4	N: 1140	N: 0.071	N: 0.18	N: 104	none	139.5	N/A
Teck_2014_UplandSoil	ADA-178	ADA-178-2mm	IC	Soil<2mm	466252.63	5424581.36	Used in Model	N: 9.37	N: 178	N: 0.734	N: 13.3	N: 58.7	N: 871	N: 0.059	N: 0.17	Y: 158	Zn	156.53	N/A
Teck_2014_UplandSoil	ADA-179	ADA-179-2mm	IC	Soil<2mm	463941.11	5424772.17	Used in Model	N: 8.78	N: 302	N: 1.99	N: 11.7	N: 86.2	N: 1190	N: 0.076	N: 0.3	Y: 227	Zn	215.67	N/A
Teck_2014_UplandSoil	ADA-180	ADA-180-2mm	IC	Soil<2mm	463390.86	5425403.66	Used in Model	N: 8.67	Y: 585	Y: 4.12	N: 16.4	Y: 122	N: 894	N: 0.082	Y: 0.54	Y: 367	Ba, Cd, Pb, Se, Zn	281.71	N/A
Teck_2014_UplandSoil	ADA-181	ADA-181-2mm	IC	Soil<2mm	464924.51	5426046.15	Used in Model	N: 10.1	Y: 420	Y: 4.27	N: 17.8	N: 102	N: 1180	N: 0.106	Y: 0.6	Y: 298	Ba, Cd, Se, Zn	250.57	N/A
Teck_2014_UplandSoil	ADA-182	ADA-182-2mm	IC	Soil<2mm	464328.05	5426703.96	Used in Model	N: 8.12	N: 362	Y: 5.2	N: 19.7	N: 44.5	N: 590	N: 0.065	Y: 0.62	Y: 244	Cd, Se, Zn	185.03	N/A
Teck_2014_UplandSoil	ADA-183	ADA-183-2mm	IC	Soil<2mm	468128.82	5426440.83	Used in Model	N: 16.4	Y: 433	Y: 14.3	N: 32.3	N: 49	N: 491	Y: 0.162	Y: 3.32	Y: 585	Ba, Cd, Hg, Se, Zn	256.77	N/A
Teck_2014_UplandSoil	ADA-184	ADA-184-2mm	IC	Soil<2mm	467752.89	5427343.69	Used in Model	N: 9.61	Y: 757	Y: 9.86	N: 22	N: 74.7	N: 1160	N: 0.062	Y: 0.6	Y: 352	Ba, Cd, Se, Zn	252.06	N/A
USEPA2001Mines/Mills	BK04SS-SS	MJ0F21	None	Soil	450904.2539	5416643.551	Used in Model	N: 7.3	Y: 548	Y: 7.8	Y: 47.4	N: 27.5	N: 370	N: <0.07	Y: <2.4	Y: 502	Ba, Cd, Cu, Se, Zn	203.76	N/A
USEPA2001Mines/Mills	BK05SS-SS	MJ0F22	None	Soil	447519.7575	5412271.907	Used in Model	N: 2.4	N: 273	N: 0.47	N: 9.4	N: 27.8	Y: 1370	N: <0.06	Y: <0.86	N: 110	Mn, Se	116.3	N/A
USEPA2001Mines/Mills	BK08SS-SS	MJ0F27	None	Soil	459797.4028	5422622.91	Used in Model	N: 7.1	N: 109	N: 0.61	N: 22.1	N: 28	N: 1160	N: <0.06	Y: <0.78	N: 75.5	Se	91.05	Se (ND)
WADOE_2007b	BRBSS2	BRBSS2	None	Soil	429006	5397772	Used in Model	N: 10.9	nm	N: 1.36	N: 27.7	N: 36.9	nm	N: <0.05	nm	Y: 113	Zn	75.69	N/A
WADOE_2007b	BRBSS3	BRBSS3-R	None	Soil	428817	5398383	Used in Model	N: 8.25	nm	N: 0.9855	N: 22	N: 30.35	nm	N: <0.05	nm	N: 68.6	none	66.08	N/A
WADOE_2007b	BRBSS4	BRBSS4	None	Soil	428817	5399893	Used in Model	N: 7.34	nm	N: 1.88	N: 7.6	Y: 117	nm	N: 0.052	nm	Y: 132	Pb, Zn	133.49	N/A
WADOE_2007b	BRBSS5	BRBSS5	None	Soil	428817	5399961	Used in Model	N: 22.2	nm	Y: 4.73	N: 13.1	Y: 124	nm	N: 0.0848	nm	Y: 175	Cd, Pb, Zn	129.74	N/A
WADOE_2007b	BRBSS6	BRBSS6	None	Soil	428817	5400133	Used in Model	N: 7.88	nm	N: 0.996	N: 14.5	N: 27	nm	N: <0.05	nm	N: 101	none	108.21	N/A
LeRoi2005	OA03	LR-NV-SS-OA03-01	Single	Soil	452685.2214	5421710.771	Used in Model	Y: 47	nm	Y: 6.1	Y: 84.2	N: 70.2	nm	N: 0.12	Y: 4.8	Y: 549	As, Cd, Cu, Se, Zn	334.04	N/A
LeRoi2005	OA04	LR-NV-SS-OA04-01	Single	Soil	448403.9572	5420640.84	Used in Model	N: 4.4	nm	N: 1.5	N: 22.5	N: 23.7	nm	N: 0.054	Y: 2.5	Y: 134	Se, Zn	104.48	Se
LeRoi2005	OA05	LR-NV-SS-OA05-01	Single	Soil	447748.3412	5419470.738	Used in Model	N: 7.5	nm	N: 3.4	Y: 57.3	N: 28.5	nm	N: 0.049	Y: 3.9	Y: 283	Cu, Se, Zn	158.51	N/A
LeRoi2005	OA07	LR-NV-SS-OA07-01	Single	Soil	437267.0846	5411014.884	Used in Model	N: 9.5	nm	N: 1.3	Y: 51.5	N: 30.3	nm	N: <0.1	Y: 0.94	Y: 164	Cu, Se, Zn	114.48	N/A
LeRoi2005	OA12	LR-NV-SS-OA12-01	Single	Soil	424104.6693	5400548.039	Used in Model	N: 3.2	nm	N: 1.4	N: 14.8	N: 49.4	nm	N: 0.043	Y: 1.8	N: 93.6	Se	86.13	Se
LeRoi2005	OA13	LR-NV-SS-OA13-01	Single	Soil	422649.8358	5404057.823	Used in Model	N: 7.4	nm	N: 0.88	N: 25	N: 19.1	nm	N: 0.053	Y: 2.2	N: 55.4	Se	57.18	Se
LeRoi2005	OA14	LR-NV-SS-OA14-01	Single	Soil	427932.4462	5408324.556	Used in Model	N: 3.5	nm	N: 0.32	N: 12.8	N: 7.7	nm	N: 0.04	Y: 1.4	N: 33.9	Se	40.55	Se
LeRoi2005	OA16	LR-NV-SS-OA16-01	Single	Soil	433542.2833	5415209.03	Used in Model	N: 9.5	nm	N: 1.2	N: 25.2	N: 56.7	nm	N: 0.078	Y: 4.3	Y: 155	Se, Zn	169.4	N/A
LeRoi2005	OA20	LR-NV-SS-OA20-01	Single	Soil	439038.2725	5423168.923	Used in Model	N: 6	nm	N: 0.76	N: 33.3	N: 30	nm	N: <0.1	Y: 1.3	N: 64.1	Se	95.17	Se
LeRoi2005	OA21	LR-NV-SS-OA21-01	Single	Soil	442086.0938	5421547.774	Used in Model	N: 10.1	nm	N: 2.1	N: 23.2	N: 65.6	nm	N: 0.047	Y: 3	Y: 127	Se, Zn	158.84	N/A
WADOE_2007c	PRBS01	PRBS01	None	Soil	431012	5397007.84	Used in Model	N: 4.3	nm	N: 1.08	N: 12.6	N: 9.97	nm	N: <0.05	nm	N: 88.5	none	42.13	N/A
WADOE_2007c	PRBS02	PRBS02	None	Soil	431376.3	5397108.51	Used in Model	N: 3.41	nm	N: 1.19	N: 32	N: 12.8	nm	N: <0.05	nm	Y: 205	Zn	57.66	N/A
WADOE_2007c	PRBS03	PRBS03	None	Soil	431532.24	5397612.56	Used in Model	N: <3.73	nm	N: 1.73	N: 24.8	N: 23.3	nm	N: 0.0525	nm	Y: 140	Zn	71.11	N/A
WADOE_2007c	PRBS04	PRBS04	None	Soil	431806.98	5397724.39	Used in Model	N: 6.83	nm	N: 2.4	N: 20.5	N: 50.1	nm	N: 0.059	nm	Y: 176	Zn	87.81	N/A
WADOE_2007c	PRBS05	PRBS05	None	Soil	431710.02	5397131.04	Used in Model	N: 6.79	nm	N: 1.15	N: 25.4	N: 12.6	nm	N: <0.05	nm	Y: 159	Zn	58.28	N/A
WADOE_2007c	PRBS06	PRBS06	None	Soil	432203.03	5396897.88	Used in Model	N: 5.32	nm	N: 1.7	N: 10	N: 17.5	nm	N: <0.05	nm	Y: 138	Zn	67.98	N/A
WADOE_2007c	PRBS07	PRBS07	None	Soil	432410.39	5396882.11	Used in Model	N: 6.4	nm	N: 2.43	N: 11.8	N: 55.5	nm	N: 0.0733	nm	Y: 138	Zn	77.74	N/A
WADOE_2007c	PRBS08	PRBS08	None	Soil	432518.37	5396962.7	Used in Model	N: 5.4	nm	N: 1.25	N: 11.8	N: 24.5	nm	N: 0.0536	nm	Y: 129	Zn	77.59	N/A
WADOE_2007c	PRBS09	PRBS09	None	Soil	432737.85	5396429.14	Used in Model	N: 5.58	nm	N: 1.85	N: 9.12	N: 31.3	nm	N: 0.0632	nm	Y: 139	Zn	77.5	N/A
WADOE_2007c	PRBS10	PRBS10	None	Soil	433195.35	5395524.09	Used in Model	N: <17.1	nm	N: 2.1	N: 9.19	N: 63.5	nm	Y: 0.328	nm	Y: 412	Hq, Zn	165.69	N/A
WADOE_2007c	PRBS11	PRBS11	None	Soil	433382.77	5395274.74	Used in Model	N: <7.96	nm	N: 2.04	N: 3.9	Y: 131	nm	Y: 0.195	nm	Y: 123	Hg, Pb, Zn	107.34	Pb, Hg
WADOE_2007c	PRBS12	PRBS12	None	Soil	433662.59	5394964.75	Used in Model	N: 3.74	nm	N: 1.14	N: 13.3	N: 20.9	nm	N: 0.0716	nm	Y: 150	Zn	79.96	N/A
WADOE_2007c	PRBS13	PRBS13	None	Soil	433942.38	5394618.76	Used in Model	N: 5.29	nm	N: 2.25	N: 26.7	N: 21.3	nm	N: <0.05	nm	Y: 193	Zn	69.82	N/A
WADOE_2007c	PRBS14	PRBS14	None	Soil	434165.16	5393822.15	Used in Model	N: 4.99	nm	Y: 6.66	N: 25.4	N: 21.6	nm	N: 0.0597	nm	Y: 363	Cd, Zn	91.68	Cd
WADOE_2007c	PRBS15	PRBS15	None	Soil	434210.39	5392922.67	Used in Model	N: 4.1	nm	N: 1.65	N: 13.3	N: 33.1	nm	N: 0.0623	nm	Y: 146	Zn	69.25	N/A
HARTC13A	Stevens County, WA-001	SA13-1C	Composite	Soil<2mm	456023.5366	5423821.538	Used in Model	N: 7.7	N: 274	N: 2.4	N: 25.6	N: 104	N: 851	N: 0.044	N: <0.5	Y: 172	Zn	172.94	N/A
HARTC13A	Stevens County, WA-002	SA10-8C	Composite	Soil<2mm	454285.7003	5423911.264	Used in Model	N: 21.2	N: 374	Y: 7.4	N: 27	Y: 313	Y: 2840	Y: 0.124	N: <0.5	Y: 400	Cd, Hg, Mn, Pb, Zn	436.39	N/A
HARTC13A	Stevens County, WA-003	SA9-8C	Composite	Soil<2mm	454043.814	5424065.007	Used in Model	Y: 26.3	Y: 535	Y: 16	N: 38.4	Y: 691	Y: 2030	Y: 0.262	N: <0.5	Y: 850	As, Ba, Cd, Hg, Mn, Pb, Zn	583.82	N/A
HARTC13A	Stevens County, WA-004	SA10-7C	Composite	Soil<2mm	454730.4542	5424119.85	Used in Model	Y: 39.3	Y: 502	Y: 9	N: 38.8	Y: 246	Y: 3810	N: 0.088	N: <0.5	Y: 520	As, Ba, Cd, Mn, Pb, Zn	343.12	N/A
HARTC13A	Stevens County, WA-005	SA11-1C	Composite	Soil<2mm	455251.6765	5424167.102	Used in Model	N: 12.3	N: 230	N: 2.2	N: 32	N: 83	N: 880	N: 0.035	N: <0.5	Y: 169	Zn	185.23	N/A
HARTC13A	Stevens County, WA-006	SA9-9C	Composite	Soil<2mm	453465.5456	5424200.778	Used in Model	Y: 33.3	N: 375	Y: 9.8	N: 33.1	Y: 362	Y: 1340	N: 0.068	N: <0.				

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Upper Columbia River, Washington

							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13A	Stevens County, WA-013	SA10-4C	Composite	Soil<2mm	455129.4626	5424704.154	Used in Model	N: 5.6	N: 132	Y: 6.4	N: 30.8	Y: 222	N: 43.6	N: 0.114	Y: 5.2	Y: 165	Cd, Pb, Se, Zn	292.45	N/A
HARTC13A	Stevens County, WA-014	SA11-4C	Composite	Soil<2mm	455725.1834	5424749.181	Used in Model	N: 20.7	Y: 484	Y: 13.3	N: 24.9	Y: 500	Y: 1330	Y: 0.126	N: <0.5	Y: 700	Ba, Cd, Hg, Mn, Pb, Zn	462.63	N/A
HARTC13A	Stevens County, WA-015	SA6-1C	Composite	Soil<2mm	446737.2097	5424840.281	Used in Model	N: 15.5	N: 352	Y: 8.6	N: 18.1	Y: 402	Y: 2020	N: 0.096	N: <0.5	Y: 460	Cd, Mn, Pb, Zn	442.61	N/A
HARTC13A	Stevens County, WA-016	SA6-2C; SA6-2C2	Composite	Soil<2mm	447480.7516	5424837.207	Used in Model	N: 15.2	N: 317	Y: 8.035	N: 27.15	Y: 380	N: 1041	N: 0.081	N: <0.5	Y: 430	Cd, Pb, Zn	410.69	N/A
HARTC13A	Stevens County, WA-017	SA7-3C	Composite	Soil<2mm	451077.0048	5424828.288	Used in Model	Y: 29.5	N: 120	Y: 6.8	N: 30.1	Y: 637	N: 364	N: 0.091	N: <0.5	Y: 285	As, Cd, Pb, Zn	397	N/A
HARTC13A	Stevens County, WA-018	SA6-5C	Composite	Soil<2mm	450156.4826	5424860.925	Used in Model	N: 6.9	N: 34.8	N: 1.1	N: 6.4	N: 60.3	N: 182	N: 0.015	N: <0.5	N: 70	none	134.21	N/A
HARTC13A	Stevens County, WA-019	SA11-3C	Composite	Soil<2mm	456238.3955	5424847.505	Used in Model	N: 9	N: 255	N: 2.4	N: 22.6	Y: 113	N: 497	N: 0.074	Y: 0.7	Y: 187	Pb, Se, Zn	226.76	N/A
HARTC13A	Stevens County, WA-020	SA6-3C	Composite	Soil<2mm	448550.4151	5425000.965	Used in Model	Y: 25.6	N: 340	Y: 10.6	N: 33.9	Y: 523	Y: 1280	N: 0.093	N: <0.5	Y: 470	As, Cd, Mn, Pb, Zn	438.65	N/A
HARTC13A	Stevens County, WA-021	SA6-4C	Composite	Soil<2mm	449647.95	5425025.71	Used in Model	N: 5.7	N: 44.1	N: 1.5	N: 7.5	N: 84.5	N: 162	N: 0.026	N: <0.5	N: 87	none	148.02	N/A
HARTC13A	Stevens County, WA-022	SA13-8C	Composite	Soil<2mm	460045.2339	5425034.279	Used in Model	N: 16.4	N: 272	N: 2.8	N: 16.4	Y: 168	N: 1180	N: 0.069	N: <0.5	Y: 186	Pb, Zn	248.11	N/A
HARTC13A	Stevens County, WA-023	SA8-4C	Composite	Soil<2mm	453933.1781	5425163.963	Used in Model	N: 11.7	N: 161	Y: 6.5	N: 15	Y: 449	N: 601	N: 0.098	N: <0.5	Y: 297	Cd, Pb, Zn	361.01	N/A
HARTC13A	Stevens County, WA-024	SA10-3C; SA10-3C2	Composite	Soil<2mm	455288.8875	5425216.925	Used in Model	Y: 29.8	Y: 476.5	Y: 21	N: 40.5	Y: 364	Y: 2605	N: 0.077	N: 0.5	Y: 820	As, Ba, Cd, Mn, Pb, Zn	727.23	N/A
HARTC13A	Stevens County, WA-025	SA9-6C	Composite	Soil<2mm	454621.2619	5425277.589	Used in Model	N: 14.1	N: 368	Y: 13.9	N: 28.3	Y: 651	N: 1150	Y: 0.184	N: <0.5	Y: 550	Cd, Hg, Pb, Zn	617.2	N/A
HARTC13A	Stevens County, WA-026	SA7-2C	Composite	Soil<2mm	450565.2921	5425444.932	Used in Model	N: 8.8	N: 99.4	Y: 5.8	N: 18.7	Y: 314	N: 362	N: 0.075	N: <0.5	Y: 400	Cd, Pb, Zn	283.64	N/A
HARTC13A	Stevens County, WA-027	SA4-1C	Composite	Soil<2mm	447964.4937	5425476.239	Used in Model	N: 14.3	N: 290	Y: 5.44	N: 25.3	Y: 213	N: 870	N: 0.057	N: <0.5	Y: 281	Cd, Pb, Zn	303.86	N/A
HARTC13A	Stevens County, WA-028	SA2-6C	Composite	Soil<2mm	447268.2042	5425491.142	Used in Model	N: 22.7	N: 203	Y: 13.1	N: 30.4	Y: 405	N: 702	N: 0.066	N: <0.5	Y: 520	Cd, Pb, Zn	430.98	N/A
HARTC13A	Stevens County, WA-029	SA11-9C	Composite	Soil<2mm	455666.946	5425439.35	Used in Model	Y: 35	Y: 420	Y: 16.9	Y: 43.5	Y: 715	Y: 2850	Y: 0.15	Y: 0.6	Y: 750	As, Ba, Cd, Cu, Hg, Mn, Pb, Se, Zn	765.94	N/A
HARTC13A	Stevens County, WA-030	SA8-2C	Composite	Soil<2mm	453610.4408	5425495.272	Used in Model	Y: 28.6	N: 159	Y: 8.6	N: 24.7	Y: 363	N: 557	N: 0.072	N: <0.5	Y: 330	As, Cd, Pb, Zn	274.75	N/A
HARTC13A	Stevens County, WA-031	SA10-2C	Composite	Soil<2mm	455441.0268	5425636.819	Used in Model	Y: 55.5	Y: 498	Y: 37.3	Y: 62.9	Y: 1240	Y: 5490	Y: 0.232	Y: 1.3	Y: 1330	As, Ba, Cd, Cu, Hg, Mn, Pb, Se, Zn	919.32	N/A
HARTC13A	Stevens County, WA-032	SA6-8C	Composite	Soil<2mm	450312.6089	5425690.098	Used in Model	N: 12.9	N: 119	N: 2.5	N: 11.5	Y: 122	N: 461	N: 0.029	N: <0.5	Y: 128	Pb, Zn	200.26	N/A
HARTC13A	Stevens County, WA-033	SA9-5C	Composite	Soil<2mm	454625.5365	5425657.649	Used in Model	Y: 28.1	Y: 445	Y: 12.8	N: 30.5	Y: 534	Y: 1730	Y: 0.191	N: <0.5	Y: 720	As, Ba, Cd, Hg, Mn, Pb, Zn	624.61	N/A
HARTC13A	Stevens County, WA-034	SA7-4C	Composite	Soil<2mm	451617.3521	5425688.255	Used in Model	N: 10	N: 55	Y: 4.77	N: 12.7	Y: 268	N: 254	N: 0.055	N: <0.5	Y: 188	Cd, Pb, Zn	340.12	N/A
HARTC13A	Stevens County, WA-035	SA6-7C	Composite	Soil<2mm	449559.3874	5425725.79	Used in Model	Y: 36.3	N: 295	Y: 9.8	N: 33.1	Y: 616	Y: 1380	N: 0.103	N: <0.5	Y: 540	As, Cd, Mn, Pb, Zn	423.92	N/A
HARTC13A	Stevens County, WA-036	SA7-5C; SA7-5C2	Composite	Soil<2mm	452684.028	5425717.423	Used in Model	Y: 30.2	N: 163	Y: 8.55	N: 37.6	Y: 631	N: 477	Y: 0.1455	N: <0.5	Y: 485	As, Cd, Hg, Pb, Zn	492.84	N/A
HARTC13A	Stevens County, WA-037	SA13-4C	Composite	Soil<2mm	459040.0451	5425690.609	Used in Model	N: 5.3	N: 157	N: 1.3	N: 21.5	N: 31.9	N: 317	N: 0.058	Y: <2	Y: 160	Se, Zn	137.81	N/A
HARTC13A	Stevens County, WA-038	SA4-3C	Composite	Soil<2mm	448623.9757	5425785.723	Used in Model	N: 20.2	N: 135	Y: 9	N: 36	Y: 398	N: 654	N: 0.08	N: <0.5	Y: 370	Cd, Pb, Zn	353.61	N/A
HARTC13A	Stevens County, WA-039	SA13-6C	Composite	Soil<2mm	457273.9734	5425718.584	Used in Model	N: 22.4	N: 294	N: 3.6	N: 16.9	Y: 289	Y: 2270	N: 0.1	N: <0.5	Y: 271	Mn, Pb, Zn	296.23	N/A
HARTC13A	Stevens County, WA-040	SA13-3C	Composite	Soil<2mm	457838.8873	5425799.87	Used in Model	N: 12.8	N: 385	Y: 3.9	N: 17.9	Y: 163	Y: 1480	N: 0.085	N: <0.5	Y: 280	Cd, Mn, Pb, Zn	251.12	N/A
HARTC13A	Stevens County, WA-041	SA7-1C	Composite	Soil<2mm	450854.7731	5425866.043	Used in Model	N: 16.6	N: 292	Y: 5.6	N: 18.8	Y: 309	N: 1050	N: 0.064	N: <0.5	Y: 340	Cd, Pb, Zn	373.96	N/A
HARTC13A	Stevens County, WA-042	SA4-6C; SA4-6C2	Composite	Soil<2mm	449468.4562	5425905.383	Used in Model	N: 16.95	N: 204.5	Y: 8.4	N: 24.45	Y: 449	N: 920.5	Y: 0.1205	N: <0.5	Y: 405	Cd, Hg, Pb, Zn	429.08	N/A
HARTC13A	Stevens County, WA-043	SA2-7C	Composite	Soil<2mm	447233.1984	5425958.293	Used in Model	N: 17.7	N: 209	N: 3.2	N: 34.3	N: 105	N: 1120	N: 0.041	N: <0.5	Y: 188	Zn	189.61	N/A
HARTC13A	Stevens County, WA-044	SA7-6C	Composite	Soil<2mm	452281.5553	5425961.886	Used in Model	N: 15.6	N: 167	Y: 11.1	N: 22	Y: 496	N: 542	N: 0.113	N: <0.5	Y: 650	Cd, Pb, Zn	612.91	N/A
HARTC13A	Stevens County, WA-045	SA2-5C	Composite	Soil<2mm	446587.3747	5426025.499	Used in Model	N: 7.4	N: 90.4	N: 1.4	N: 19.5	N: 69.5	N: 399	N: 0.043	N: <0.5	N: 105	none	150.57	N/A
HARTC13A	Stevens County, WA-046	SA8-3C; SA8-3C2	Composite	Soil<2mm	453973.0826	5425970.405	Used in Model	N: 9.75	N: 79.3	N: 2.25	N: 17.2	N: 95.75	N: 340	N: 0.026	N: <0.5	Y: 130.5	Zn	203.3	N/A
HARTC13A	Stevens County, WA-047	SA4-2C	Composite	Soil<2mm	447979.9248	5426045.748	Used in Model	N: 9.1	N: 168	N: 3.4	N: 22.1	Y: 135	N: 574	N: 0.049	N: <0.5	Y: 186	Pb, Zn	207.61	N/A
HARTC13A	Stevens County, WA-048	SA10-1C	Composite	Soil<2mm	455541.2243	5426014.665	Used in Model	N: 11.9	Y: 507	Y: 7.4	N: 39.1	Y: 330	N: 1070	N: 0.104	N: <0.5	Y: 370	Ba, Cd, Pb, Zn	507.43	N/A
HARTC13A	Stevens County, WA-049	SA9-4C	Composite	Soil<2mm	455091.4907	5426036.515	Used in Model	N: 17.9	N: 120	Y: 6.5	N: 25.8	Y: 503	N: 334	Y: 0.157	Y: 1	Y: 490	Cd, Hg, Pb, Se, Zn	440.12	N/A
HARTC13A	Stevens County, WA-050	SA11-5C	Composite	Soil<2mm	456656.5813	5426059.88	Used in Model	N: 21	Y: 413	Y: 6.9	N: 24.1	Y: 374	Y: 1630	Y: 0.15	N: <0.5	Y: 410	Ba, Cd, Hg, Mn, Pb, Zn	346.28	N/A
HARTC13A	Stevens County, WA-051	SA5-3C	Composite	Soil<2mm	450080.9013	5426272.053	Used in Model	N: 17	N: 293	Y: 8.6	N: 30.9	Y: 301	N: 1090	N: 0.088	N: <0.5	Y: 510	Cd, Pb, Zn	381.18	N/A
HARTC13A	Stevens County, WA-052	SA4-4C	Composite	Soil<2mm	448379.1151	5426302.948	Used in Model	N: 11.8	N: 215	Y: 5.6	N: 27.1	Y: 224	N: 831	N: 0.073	N: <0.5	Y: 320	Cd, Pb, Zn	301.83	N/A

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13A	Stevens County, WA-053	SA4-5C	Composite	Soil<2mm	449003.8915	5426303.959	Used in Model	N: 11.9	N: 175	N: 2.7	N: 23.5	Y: 109	N: 842	N: 0.039	N: <0.5	Y: 192	Pb, Zn	243.94	N/A
HARTC13A	Stevens County, WA-054	SA12-6C	Composite	Soil<2mm	458210.9974	5426291.545	Used in Model	N: 13.4	N: 370	N: 3.3	Y: 42.9	Y: 120	Y: 1250	N: 0.073	N: <0.5	Y: 251	Cu, Mn, Pb, Zn	213.72	N/A
HARTC13A	Stevens County, WA-055	SA13-7C	Composite	Soil<2mm	457429.8656	5426353.617	Used in Model	N: 21.7	N: 295	N: 2.6	N: 18.6	Y: 281	N: 833	N: 0.068	N: <0.5	Y: 217	Pb, Zn	278.21	N/A
HARTC13A	Stevens County, WA-056	SA1-1C	Composite	Soil<2mm	442544.5446	5426495.977	Used in Model	N: 10.7	Y: 665	N: 3.3	N: 25	Y: 158	Y: 2320	N: 0.073	Y: <0.6	Y: 171	Ba, Mn, Pb, Se, Zn	214.77	N/A
HARTC13A	Stevens County, WA-057	SA5-4C; SA5-4C2	Composite	Soil<2mm	450953.3198	5426436.154	Used in Model	N: 9.55	N: 213	Y: 7.05	N: 20.05	Y: 297	N: 515.5	N: 0.0665	N: <0.5	Y: 330	Cd, Pb, Zn	263.24	N/A
HARTC13A	Stevens County, WA-058	SA4-7C	Composite	Soil<2mm	448830.565	5426487.099	Used in Model	N: 15	N: 383	Y: 5.5	N: 25.9	Y: 299	N: 1190	N: 0.075	N: <0.5	Y: 270	Cd, Pb, Zn	265.21	N/A
HARTC13A	Stevens County, WA-059	SA3-5C	Composite	Soil<2mm	447990.8343	5426531.029	Used in Model	N: 8.7	N: 269	N: 2.3	N: 14.7	N: 105	N: 622	N: 0.025	N: <0.5	Y: 144	Zn	185.75	N/A
HARTC13A	Stevens County, WA-060	SA11-2C	Composite	Soil<2mm	456672.6851	5426501.659	Used in Model	N: 10.6	Y: 443	N: 2.5	N: 18.7	N: 94.7	N: 1200	N: 0.05	N: <0.5	Y: 196	Ba, Zn	296.08	N/A
HARTC13A	Stevens County, WA-061	SA11-6C	Composite	Soil<2mm	455939.1659	5426510.431	Used in Model	N: 22.4	N: 192	Y: 6.3	N: 32.5	Y: 572	N: 676	N: 0.104	N: <0.5	Y: 310	Cd, Pb, Zn	503.8	N/A
HARTC13A	Stevens County, WA-062	SA9-3C	Composite	Soil<2mm	455462.0642	5426563.152	Used in Model	N: 13.7	Y: 597	Y: 4.26	N: 38	Y: 165	Y: 1260	N: 0.054	N: <0.5	Y: 280	Ba, Cd, Mn, Pb, Zn	394.98	N/A
HARTC13A	Stevens County, WA-063	SA2-3C	Composite	Soil<2mm	447557.3945	5426653.06	Used in Model	N: 8.2	N: 321	N: 1.9	N: 12	Y: 107	N: 818	N: 0.03	N: <0.5	Y: 130	Pb, Zn	160.99	N/A
HARTC13A	Stevens County, WA-064	SA1-8C	Composite	Soil<2mm	444096.8891	5426698.374	Used in Model	N: 10.4	Y: 399	N: 2	N: 14.3	N: 81.7	Y: 1330	N: 0.059	N: <0.5	Y: 150	Ba, Mn, Zn	160.24	N/A
HARTC13A	Stevens County, WA-065	SA8-5C	Composite	Soil<2mm	454355.8163	5426627.718	Used in Model	N: 17	N: 119	Y: 9.3	N: 29.1	Y: 737	N: 619	Y: 0.157	N: <0.5	Y: 410	Cd, Hg, Pb, Zn	432.96	N/A
HARTC13A	Stevens County, WA-066	SA5-7C	Composite	Soil<2mm	451837.3215	5426693.677	Used in Model	N: 10.1	N: 130	Y: 9.5	N: 21.7	Y: 389	N: 427	N: 0.114	N: <0.5	Y: 460	Cd, Pb, Zn	394.49	N/A
HARTC13A	Stevens County, WA-067	SA3-6C; SA3-6C2	Composite	Soil<2mm	448543.586	5426728.662	Used in Model	N: 17.5	Y: 880.5	Y: 8.95	Y: 45.3	Y: 428.5	Y: 2135	Y: 0.137	N: <0.5	Y: 565	Ba, Cd, Cu, Hg, Mn, Pb, Zn	318.53	N/A
HARTC13A	Stevens County, WA-068	SA5-2C	Composite	Soil<2mm	449807.9996	5426726.43	Used in Model	N: 12.1	Y: 773	N: 3.7	N: 22.8	Y: 139	N: 963	N: 0.05	N: <0.5	Y: 233	Ba, Pb, Zn	236.96	N/A
HARTC13A	Stevens County, WA-069	SA1-4C	Composite	Soil<2mm	443044.2202	5426862.379	Used in Model	N: 9.4	Y: 487	N: 1	N: 15	N: 37.6	N: 914	N: 0.044	N: <0.5	Y: 147	Ba, Zn	136.1	N/A
HARTC13A	Stevens County, WA-070	SA1-6C	Composite	Soil<2mm	443711.1705	5426921.729	Used in Model	N: 21.2	N: 261	N: 1.6	N: 16.7	N: 89.4	Y: 1670	N: 0.04	N: <0.5	Y: 134	Mn, Zn	130.82	N/A
HARTC13A	Stevens County, WA-071	SA7-8C	Composite	Soil<2mm	452988.5189	5426886.814	Used in Model	Y: 38.7	Y: 514	Y: 13.9	Y: 62	Y: 934	N: 1040	Y: 0.17	N: <0.5	Y: 770	As, Ba, Cd, Cu, Hq, Pb, Zn	1044.97	N/A
HARTC13A	Stevens County, WA-072	SA9-1C	Composite	Soil<2mm	455465.5351	5426886.521	Used in Model	Y: 28.6	Y: 721	Y: 24.2	N: 32.4	Y: 1040	Y: 1730	Y: 0.136	N: <0.5	Y: 780	As, Ba, Cd, Hg, Mn, Pb, Zn	750.79	N/A
HARTC13A	Stevens County, WA-073	SA9-2C	Composite	Soil<2mm	454988.4182	5426896.816	Used in Model	N: 10.3	Y: 2590	Y: 4.9	Y: 50.1	Y: 230	N: 840	N: 0.054	N: <0.5	Y: 360	Ba, Cd, Cu, Pb, Zn	372.16	N/A
HARTC13A	Stevens County, WA-074	SA8-8C	Composite	Soil<2mm	454047.0998	5426913.084	Used in Model	Y: 45.1	Y: 427	Y: 18.5	Y: 49.4	Y: 1440	N: 918	Y: 0.287	Y: 0.7	Y: 1210	As, Ba, Cd, Cu, Hq, Pb, Se, Zn	1129.99	N/A
HARTC13A	Stevens County, WA-075	SA2-4C; SA2-4C2	Composite	Soil<2mm	446760.4513	5426982.602	Used in Model	N: 15.35	N: 286	N: 3.65	N: 13.85	Y: 175.5	Y: 1255	N: 0.0465	N: <0.5	Y: 216	Mn, Pb, Zn	244.14	N/A
HARTC13A	Stevens County, WA-076	SA5-5C	Composite	Soil<2mm	451004.7412	5426957.212	Used in Model	N: 8.4	N: 160	N: 2.9	N: 22.4	Y: 118	N: 435	N: 0.043	N: <0.5	Y: 161	Pb, Zn	204.98	N/A
HARTC13A	Stevens County, WA-077	SA4-8C	Composite	Soil<2mm	449425.2913	5426974.816	Used in Model	N: 12.5	N: 182	N: 3.6	N: 17.6	Y: 133	N: 612	N: 0.051	N: <0.5	Y: 186	Pb, Zn	211.5	N/A
HARTC13A	Stevens County, WA-078	SA11-7C	Composite	Soil<2mm	455962.2783	5426943.26	Used in Model	Y: 28.6	Y: 876	Y: 15.8	Y: 52	Y: 1920	Y: 1460	Y: 0.527	Y: <2	Y: 1150	As, Ba, Cd, Cu, Hg, Mn, Pb, Se, Zn	1028.86	N/A
HARTC13A	Stevens County, WA-079	SA12-4C	Composite	Soil<2mm	459388.7487	5426927.375	Used in Model	N: 10	Y: 425	Y: 4	N: 14.7	Y: 183	N: 966	N: 0.045	N: <0.5	Y: 249	Ba, Cd, Pb, Zn	262.45	N/A
HARTC13A	Stevens County, WA-080	SA3-4C	Composite	Soil<2mm	448533.7817	5427036.481	Used in Model	N: 12.8	N: 275	N: 1.6	N: 10.3	N: 73.8	N: 983	N: 0.027	N: <0.5	Y: 128	Zn	183.52	N/A
HARTC13A	Stevens County, WA-081	SA3-3C	Composite	Soil<2mm	447906.104	5427045.112	Used in Model	N: 15.2	Y: 422	Y: 4	N: 21.7	Y: 174	Y: 1420	N: 0.036	N: <0.5	Y: 272	Ba, Cd, Mn, Pb, Zn	173.23	N/A
HARTC13A	Stevens County, WA-082	SA1-3C; SA1-3C2	Composite	Soil<2mm	443076.7669	5427204.021	Used in Model	N: 11	Y: 425.5	N: 0.95	N: 21.05	N: 57.05	N: 993.5	N: 0.049	N: <0.5	Y: 132	Ba, Zn	129.23	N/A
HARTC13A	Stevens County, WA-083	SA8-7C	Composite	Soil<2mm	454645.7481	5427102.269	Used in Model	Y: 37.6	N: 268	Y: 18.4	N: 41	Y: 1070	N: 796	Y: 0.169	N: <0.5	Y: 860	As, Cd, Hg, Pb, Zn	763.25	N/A
HARTC13A	Stevens County, WA-084	SA11-8C; SA11-8C2	Composite	Soil<2mm	456351.1567	5427099.387	Used in Model	Y: 28.75	Y: 399.5	Y: 9.85	N: 33.5	Y: 509.5	N: 1148	Y: 0.128	N: <0.5	Y: 464	As, Ba, Cd, Hg, Pb, Zn	487.82	N/A
HARTC13A	Stevens County, WA-085	SA12-7C; SA12-7C2	Composite	Soil<2mm	458306.6135	5427109.042	Used in Model	N: 16.5	Y: 502	Y: 4.55	N: 23.75	Y: 207	Y: 2120	N: 0.063	N: <0.5	Y: 395	Ba, Cd, Mn, Pb, Zn	290.4	N/A
HARTC13A	Stevens County, WA-086	SA7-7C	Composite	Soil<2mm	452672.1396	5427155.981	Used in Model	Y: 24.1	N: 274	Y: 17.2	N: 37.4	Y: 1280	N: 933	Y: 0.278	Y: 0.6	Y: 1130	As, Cd, Hg, Pb, Se, Zn	985.04	N/A
HARTC13A	Stevens County, WA-087	SA13-5C; SA13-5C2	Composite	Soil<2mm	457316.3682	5427169.482	Used in Model	N: 17.85	Y: 453	Y: 12.3	N: 39.15	Y: 600	Y: 1425	N: 0.107	N: <0.5	Y: 630	Ba, Cd, Mn, Pb, Zn	495.07	N/A
HARTC13A	Stevens County, WA-088	SA3-7C	Composite	Soil<2mm	449037.9304	5427302.428	Used in Model	N: 14.2	N: 301	Y: 7.7	N: 28.7	Y: 430	N: 1090	N: 0.106	N: <0.5	Y: 390	Cd, Pb, Zn	268.37	N/A
HARTC13A	Stevens County, WA-089	SA3-2C	Composite	Soil<2mm	448531.921	5427317.211	Used in Model	N: 5.9	Y: 442	N: 1.4	N: 9.8	N: 64.1	Y: 1290	N: 0.031	N: <0.5	Y: 143	Ba, Mn, Zn	138.98	N/A
HARTC13A	Stevens County, WA-090	SA1-5C	Composite	Soil<2mm	443579.0702	5427435.587	Used in Model	N: 16.9	N: 267	N: 1.7	N: 19.6	N: 72.5	N: 1150	N: 0.046	N: <0.5	Y: 127	Zn	134.16	N/A
HARTC13A	Stevens County, WA-091	SA2-8C	Composite	Soil<2mm	447579.2298	5427400.609	Used in Model	N: 16.2	N: 392	N: 2.1	N: 17.6	N: 59.5	N: 1160	N: 0.033	N: <0.5	Y: 210	Zn	180.01	N/A
HARTC13A	Stevens County, WA-092	SA12-3C	Composite	Soil<2mm	458720.5746	5427324.177	Used in Model	N: 11	N: 154	Y: 4.1	N: 21	Y: 217	N: 655	Y: 0.135	Y: 0.6	Y: 196	Cd, Hg, Pb, Se, Zn	264.59	N/A

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13A	Stevens County, WA-093	SA1-2C	Composite	Soil<2mm	442826.0099	5427469.194	Used in Model	N: 13.8	Y: 1120	N: 2.1	N: 18.2	N: 84.9	Y: 2340	N: 0.042	N: <0.5	Y: 227	Ba, Mn, Zn	176.66	N/A
HARTC13A	Stevens County, WA-094	SA2-1C	Composite	Soil<2mm	446567.8797	5427467.17	Used in Model	N: 16.2	Y: 744	Y: 5.2	N: 20.4	Y: 248	Y: 2510	N: 0.062	N: <0.5	Y: 490	Ba, Cd, Mn, Pb, Zn	353.16	N/A
HARTC13A	Stevens County, WA-095	SA3-8C	Composite	Soil<2mm	449362.2281	5427455.993	Used in Model	N: 7.9	N: 313	N: 3.6	N: 13.8	Y: 199	N: 902	N: 0.051	N: <0.5	Y: 233	Pb, Zn	289.1	N/A
HARTC13A	Stevens County, WA-096	SA2-2C	Composite	Soil<2mm	447143.2054	5427504.355	Used in Model	N: 12.2	N: 344	N: 2	N: 17.5	N: 86.5	N: 1090	N: 0.04	N: <0.5	Y: 254	Zn	215.5	N/A
HARTC13A	Stevens County, WA-097	SA1-7C	Composite	Soil<2mm	444061.8829	5427551.995	Used in Model	N: 12.6	N: 226	N: 1.5	N: 16	N: 66.3	N: 1120	N: 0.049	N: <0.5	Y: 150	Zn	166.51	N/A
HARTC13A	Stevens County, WA-098	SA3-1C	Composite	Soil<2mm	448157.0529	5427541.045	Used in Model	N: 6.5	N: 316	N: 0.6	N: 17.5	N: 31	N: 862	N: 0.022	N: <0.5	N: 83	none	103.92	N/A
HARTC13A	Stevens County, WA-099	SA12-2C	Composite	Soil<2mm	458415.3521	5427455.413	Used in Model	N: 16.3	N: 252	N: 2.8	N: 18.4	Y: 224	Y: 1470	N: 0.063	N: <0.5	Y: 218	Mn, Pb, Zn	277.21	N/A
HARTC13A	Stevens County, WA-100	SA5-1C	Composite	Soil<2mm	450070.3873	5427543.967	Used in Model	N: 11	N: 197	Y: 5.6	N: 35.2	Y: 337	N: 851	N: 0.09	Y: <0.6	Y: 320	Cd, Pb, Se, Zn	326.1	N/A
HARTC13A	Stevens County, WA-101	SA8-6C	Composite	Soil<2mm	454549.3352	5427549.634	Used in Model	N: 17.3	N: 191	Y: 6.8	N: 18.6	Y: 308	N: 856	N: 0.055	N: <0.5	Y: 370	Cd, Pb, Zn	428.51	N/A
HARTC13A	Stevens County, WA-102	SA12-8C	Composite	Soil<2mm	459168.2002	5427516.195	Used in Model	N: 15.8	N: 362	N: 2.6	N: 15.2	Y: 249	Y: 1370	N: 0.067	N: <0.5	Y: 239	Mn, Pb, Zn	271.05	N/A
HARTC13A	Stevens County, WA-103	SA12-9C	Composite	Soil<2mm	460050.3073	5427519.895	Used in Model	N: 13.8	Y: 406	N: 2	N: 19.8	N: 66.4	Y: 2750	N: 0.046	N: <0.5	Y: 163	Ba, Mn, Zn	171.53	N/A
HARTC13A	Stevens County, WA-104	SA12-1C	Composite	Soil<2mm	457580.0751	5427580.35	Used in Model	Y: 25.3	N: 266	Y: 6.23	Y: 52.9	Y: 207	Y: 1610	N: 0.08	N: <0.5	Y: 428	As, Cd, Cu, Mn, Pb, Zn	379.3	N/A
HARTC13A	Stevens County, WA-105	SA8-1C	Composite	Soil<2mm	454767.0122	5427638.017	Used in Model	N: 20.2	N: 192	Y: 10.8	N: 20.8	Y: 381	N: 713	N: 0.085	N: <0.5	Y: 560	Cd, Pb, Zn	483.28	N/A
Teck_2015_Bossburg	UDU-01-ICS	UDU-01-ICS-2mm	Multipoint	Soil	422970.594	5400921.65	Used in Model	N: 6.25	N: 107	N: 1.19	N: 13.4	Y: 182	N: 323	N: 0.044	N: 0.13	N: 104	Pb	222.13	N/A
Teck_2015_Bossburg	UDU-02-ICS	UDU-02-ICS-2mm	Multipoint	Soil	422944.5052	5400831.6	Used in Model	N: 5.86	N: 168	N: 0.99	N: 17.6	Y: 258	N: 322	N: 0.116	N: 0.12	Y: 122	Pb, Zn	229.33	N/A
Teck_2015_Bossburg	UDU-03-ICS	UDU-03-ICS-2mm	Multipoint	Soil	422855.7836	5400798.985	Used in Model	N: 6.43	N: 106	N: 0.909	Y: 55.4	Y: 410	N: 277	N: 0.119	N: 0.11	Y: 114	Cu, Pb, Zn	227.08	N/A
Teck_2015_Bossburg	UDU-04-ICS-A	UDU-04-ICS-A-2mm	Multipoint	Soil	422878.662	5400863.188	Used in Model	N: 6.8	N: 131	N: 1.41	N: 16.9	Y: 2550	N: 332	Y: 0.287	N: 0.19	Y: 170	Hg, Pb, Zn	230.05	N/A
Teck_2015_Bossburg	UDU-05-ICS	UDU-05-ICS-2mm	Multipoint	Soil	423537.6069	5401376.8	Used in Model	N: 6.24	N: 131	N: 1.01	N: 23.4	N: 48.3	N: 396	N: 0.031	N: 0.16	Y: 116	Zn	90.04	N/A
Teck_2015_Bossburg	UDU-06-ICS	UDU-06-ICS-2mm	Multipoint	Soil	422239.2138	5400859.626	Used in Model	N: 10.7	N: 196	N: 1.25	N: 20.9	N: 38.4	N: 345	N: 0.035	Y: 0.66	N: 102	Se	111.76	N/A
LeRoi2005	OA06	LR-NV-SS-OA06-01	Single	Soil	436230.2823	5411812.094	Used in Model	N: 9.6	nm	N: 2.8	N: 13.1	Y: 170	nm	N: 0.076	Y: <3.6	N: 104	Pb, Se	175.1	N/A
USEPA2001Mines/Mills	ANBK02SS-SS	MJ0KK7	None	Soil	456531.5877	5418486.722	Mine-Mill	N: 8.3	Y: 470	N: 3.4	N: 11.8	Y: 152	N: 922	N: <0.05	Y: <0.74	Y: 835	Ba, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	ANSS01SS-SS	MJ0KH7	None	Soil	456628.9327	5418422.723	Mine-Mill	N: 8.7	Y: 3330	Y: 124	Y: 73.8	Y: 2130	N: 203	Y: 0.18	Y: 1.4	Y: 44900	Ba, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	ANSS02SS-SS	MJ0KH8	None	Soil	456630.6208	5418425.723	Mine-Mill	N: 17.4	Y: 5350	Y: 129	Y: 115	Y: 2190	N: 220	Y: 0.35	Y: 2.9	Y: 49000	Ba, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	ANSS03SS-SS	MJ0KJ8	None	Soil	456649.4626	5418261.219	Mine-Mill	N: 5.2	Y: 83600	N: 2.9	N: 31	Y: 381	N: 30.3	N: 0.06	Y: 2.8	Y: 318	Ba, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	ANSS04SS-SS	MJ0KJ9	None	Soil	456652.3057	5418268.22	Mine-Mill	N: 5	Y: 97800	N: 3.2	N: 30.5	N: 25.8	N: 30.5	N: 0.06	Y: 3.5	Y: 339	Ba, Se, Zn	NC	N/A
USEPA2001Mines/Mills	ANTP01SS-SS	MJ0KH9	None	Soil	457034.5678	5418544.235	Mine-Mill	N: 11.4	Y: 117000	Y: 6	Y: 55	N: 33.3	N: 80.2	Y: 0.19	Y: 4.9	Y: 770	Ba, Cd, Cu, Hg, Se, Zn	NC	N/A
USEPA2001Mines/Mills	ANTP02SS-SS	MJ0KJ0	None	Soil	457058.035	5418396.232	Mine-Mill	N: 7.1	Y: 115000	Y: 4.7	Y: 41.6	N: 15.5	N: 46	Y: 0.13	Y: 4	Y: 534	Ba, Cd, Cu, Hg, Se, Zn	NC	N/A
USEPA2001Mines/Mills	ANTP03SS-SS	MJ0KJ1	None	Soil	457034.5966	5418403.232	Mine-Mill	N: 6.9	Y: 122000	Y: 4.3	N: 39.2	N: 11.2	N: 43.8	N: 0.12	Y: 3.8	Y: 457	Ba, Cd, Se, Zn	NC	N/A
USEPA2001Mines/Mills	BK01SS-SS	MJ0EZ6	None	Soil	432200.8583	5378486.643	Mine-Mill	N: 6.9	N: 265	N: <0.06	N: 31	N: 17.4	N: 597	N: <0.05	Y: <0.7	Y: 115	Se, Zn	NC	N/A
USEPA2001Mines/Mills	BK02SS-SS	MJ0FL1	None	Soil	473800.9956	5412574.56	Mine-Mill	N: 3.5	N: 296	N: 0.86	N: 17	N: 47.2	N: 989	N: <0.06	Y: <0.84	Y: 201	Se, Zn	NC	N/A
USEPA2001Mines/Mills	BK03SS-SS	MJ0F20	None	Soil	469503.4818	5411923.399	Mine-Mill	N: 6.7	N: 374	N: 1.2	N: 19.7	N: 22.3	Y: 4050	N: <0.06	Y: <0.83	Y: 115	Mn, Se, Zn	NC	N/A
USEPA2001Mines/Mills	BK06SS-SS	MJ0F25	None	Soil	453185.9158	5402914.321	Mine-Mill	N: 1.1	N: 93.4	N: <0.05	N: 7.5	N: 6.8	N: 151	N: <0.05	Y: <0.79	N: 30.1	Se	NC	N/A
USEPA2001Mines/Mills	BK07SS-SS	MJ0F26	None	Soil	458244.1326	5417045.228	Mine-Mill	N: 4.9	N: 108	N: 0.48	N: 20	N: 24.6	N: 354	N: <0.06	Y: <0.83	N: 81.8	Se	NC	N/A
USEPA2001Mines/Mills	BRWP01SS-SS	MJ0GE9	None	Soil	448093.9773	5413299.934	Mine-Mill	Y: 62.1	Y: 3870	Y: 851	Y: 389	Y: 6520	N: 99.8	Y: 26.4	Y: 3.7	Y: 180000	As, Ba, Cd, Cu, Hq, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	BRWP03SS-SS	MJ0GF1	None	Soil	448085.539	5413294.434	Mine-Mill	N: 15.4	Y: 2890	Y: 1090	Y: 398	Y: 1040	N: 129	Y: 18.8	Y: 2.3	Y: 207000	Ba, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	CKWP02SS-SS	MJ0GE6	None	Soil	451913.7338	5403338.316	Mine-Mill	N: 2.2	N: 34	N: <0.07	Y: 1700	N: 27.6	N: 276	N: <0.06	Y: 18.9	N: 31	Cu, Se	NC	N/A
USEPA2001Mines/Mills	DCTP01SS-SS	MJ0EN9	None	Soil	447585.1713	5412562.413	Mine-Mill	N: 12.3	N: 10.6	Y: 147	Y: 52	Y: 6110	N: 186	Y: 2.7	Y: <0.89	Y: 37500	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP02SS-SS	MJ0EP0	None	Soil	447586.8584	5412563.413	Mine-Mill	N: 14	N: 11.3	Y: 160	Y: 46.5	Y: 5990	N: 197	Y: 2.1	Y: <0.9	Y: 41300	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP03SS-SS	MJ0EP1	None	Soil	447588.5775	5412567.413	Mine-Mill	N: 8.8	N: 6.8	Y: 124	N: 29.7	Y: 3350	N: 183	Y: 1.4	Y: <0.87	Y: 34400	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP04SS-SS	MJ0EP2	None	Soil	447597.5778	5412571.413	Mine-Mill	N: 11.6	N: 9.6	Y: 138	N: 30.5	Y: 5230	N: 192	Y: 1.6	Y: <0.86	Y: 34500	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP05SS-SS	MJ0EP3	None	Soil	447598.1398	5412573.414	Mine-Mill	N: 12	N: 13.2	Y: 169	N: 32	Y: 5410	N: 194	Y: 1.7	Y: <0.84	Y: 48300	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP06SS-SS	MJ0EP4	None	Soil	447597.6089	5412576.414	Mine-Mill	N: 15.6	N: 11.3	Y: 232	Y: 43.7	Y: 13300	N: 186	Y: 3.2	Y: <0.85	Y: 58000	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP07SS-SS	MJ0EP5	None	Soil	447586.2954	5412562.413	Mine-Mill	N: 11.4	N: 5.9	Y: 142	N: 41	Y: 4900	N: 199	Y: 1.6	Y: <0.89	Y: 33300	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP08SS-SS	MJ0EP6	None	Soil	447584.6083	5412560.913	Mine-Mill	N: 14.6	N: 9.1	Y: 162	Y: 53.2	Y: 6290	N: 202	Y: 2.4	Y: <0.91	Y: 46000	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP09SS-SS	MJ0EP7	None	Soil	447579.0142	5412561.413	Mine-Mill	N: 22.6	N: 29	Y: 192	N: 35.5	Y: 8250	N: 186	Y: 2.3	Y: <0.92	Y: 44300	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP14SS-SS	MJ0EQ3	None	Soil	447493.9492	5412502.41	Mine-Mill	N: 4.7	N: 2.6	Y: 23.8	N: 4.4	Y: 280	N: 193	Y: 0.48	Y: <0.7	Y: 10800	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP15SS-SS	MJ0EQ4	None	Soil	447494.5422	5412505.411	Mine-Mill	N: 9.1	N: 17.6	Y: 96.2	N: 21.1	Y: 4360	N: 184	Y: 0.51	Y: <0.71	Y: 31300	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCTP16SS-SS	MJ0EQ6	None	Soil	447496.1993	5412504.411	Mine-Mill	N: <11.5	N: 125	Y: 261	Y: 148	Y: 4240	N: 54.8	Y: 0.58	Y: 5.3	Y: 51500	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A

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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
USEPA2001Mines/Mills	DCWP03SS-SS	MJ0EN7	None	Soil	447643.1402	5412539.414	Mine-Mill	N: 4.4	N: 57.6	Y: 24.9	N: 10.2	Y: 558	N: 175	Y: 0.14	Y: <0.76	Y: 6770	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DCWP05SS-SS	MJ0EQ1	None	Soil	447558.6704	5412542.412	Mine-Mill	N: 1.9	N: <1.4	Y: 15.1	N: 10	Y: 324	N: 167	N: <0.06	Y: <0.79	Y: 4680	Cd, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	DTTP01SS-SS	MJ0KH3	None	Soil	419662.412	5358310.014	Mine-Mill	Y: 64.3	N: 70.4	Y: 7.8	Y: 137	N: 70.9	N: 360	Y: 0.42	Y: 3	Y: 649	As, Cd, Cu, Hg, Se, Zn	NC	N/A
USEPA2001Mines/Mills	EPMS01SS-SS	MJ0GH7	None	Soil	460376.5771	5414521.71	Mine-Mill	Y: 26.1	N: 19.6	Y: 6.8	N: 17.1	Y: 94500	Y: 1510	Y: 0.27	nm	Y: 5850	As, Cd, Hg, Mn, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	EPTP01SS-SS	MJ0GJ2	None	Soil	460438.7966	5414461.21	Mine-Mill	N: 19.6	N: 11.1	Y: 13	N: 14.4	Y: 26000	N: 853	Y: 0.28	nm	Y: 12000	Cd, Hg, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	EPTP02SS-SS	MJ0GJ3	None	Soil	460456.2351	5414474.211	Mine-Mill	Y: 36.6	N: 38.7	Y: 25	N: 26.3	Y: 23700	Y: 4810	Y: 0.69	nm	Y: 22000	As, Cd, Hg, Mn, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	EPWP01SS-SS	MJ0GH4	None	Soil	460329.7013	5414536.21	Mine-Mill	N: 9.4	N: 12.9	Y: 7.6	N: 7.3	Y: 8110	N: 753	Y: 0.28	nm	Y: 2000	Cd, Hq, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	EPWP02SS-SS	MJ0GH5	None	Soil	460335.3265	5414543.71	Mine-Mill	N: 9.4	N: 14.2	Y: 8	N: 8.3	Y: 14000	N: 794	Y: 0.42	nm	Y: 2360	Cd, Hg, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	EPWP05SS-SS	MJ0GJ1	None	Soil	460406.8267	5414450.209	Mine-Mill	N: 12.6	N: 12.1	Y: 10.5	N: 9.8	Y: 29300	N: 857	Y: 0.2	nm	Y: 13300	Cd, Hg, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	GLMS01SS-SS	MJ0GH1	None	Soil	460127.7049	5415078.72	Mine-Mill	N: 21.6	N: 29.3	Y: 6.4	N: 15.6	Y: 35200	Y: 2050	Y: 0.25	nm	Y: 6370	Cd, Hg, Mn, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	GLMS03SS-SS	MJ0GH3	None	Soil	460139.424	5415072.72	Mine-Mill	N: 22.4	N: 45.9	Y: 5.4	N: 17	Y: 22600	Y: 1880	N: 0.11	nm	Y: 6020	Cd, Mn, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	GLTP02SS-SS	MJ0GG9	None	Soil	460140.6743	5415089.72	Mine-Mill	Y: 55.9	N: 14	Y: 9.2	N: 38.6	Y: 90400	Y: 3180	Y: 0.3	nm	Y: 9880	As, Cd, Hg, Mn, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	GLTP03SS-SS	MJ0GH0	None	Soil	460143.4875	5415095.72	Mine-Mill	Y: 41.3	N: 33.9	Y: 7.7	N: 23.9	Y: 27100	Y: 2210	Y: 0.19	nm	Y: 6560	As, Cd, Hg, Mn, Pb, Zn	NC	N/A
ACMINESITE2007	GN20x5	GN20x5-2'	Unk	Soil	456606.4523	5418417.054	Mine-Mill	nm	N: 32	Y: 89	N: 10	Y: 290	nm	nm	Y: <2.1	Y: 31000	Cd, Pb, Se, Zn	NC	N/A
ACMINESITE2007	GN22x0	GN22x0-2'	Unk	Soil	456671.7034	5418369.879	Mine-Mill	nm	Y: 2700	Y: 18	N: 23	Y: 390	nm	nm	Y: 14	Y: 6200	Ba, Cd, Pb, Se, Zn	NC	N/A
ACMINESITE2007	GN25x4	GN25x4-2'	Unk	Soil	456599.839	5418343.426	Mine-Mill	nm	N: 270	Y: 4.8	N: 5	Y: 110	nm	nm	Y: 3.2	Y: 1700	Cd, Pb, Se, Zn	NC	N/A
ACMINESITE2007	GN27x2	GN27x2-2'	Unk	Soil	456621.4424	5418307.714	Mine-Mill	nm	Y: 32000	N: 3.3	N: 41	N: 58	nm	nm	Y: 22	Y: 480	Ba, Se, Zn	NC	N/A
ACMINESITE2007	GN5x1	GN5x1-2'	Unk	Soil	456718.1618	5418612.807	Mine-Mill	nm	N: 38	N: 1.8	N: 3.5	N: 51	nm	nm	Y: <3.1	Y: 230	Se, Zn	NC	N/A
USEPA2001Mines/Mills	GWWP01SS-SS	MJ0GG6	None	Soil	448718.2363	5413038.442	Mine-Mill	Y: 68.4	N: 68.8	Y: 166	Y: 57.7	Y: 6200	N: 413	Y: 2.5	nm	Y: 52700	As, Cd, Cu, Hg, Pb, Zn	NC	N/A
USEPA2001Mines/Mills	IRWP01SS-SS	MJ0FJ7	None	Soil	460431.5033	5422246.918	Mine-Mill	N: 10.8	N: 37.5	Y: 39.1	N: 7.4	Y: 277	N: 277	Y: 0.49	Y: <0.72	Y: 12300	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	LCMS01SS-SS	MJ0GF4	None	Soil	448160.9962	5412561.924	Mine-Mill	Y: 71	N: 84.2	Y: 165	Y: 50.2	Y: 29000	N: 107	N: <0.06	Y: <0.81	Y: 36900	As, Cd, Cu, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	LCMS02SS-SS	MJ0GF5	None	Soil	448159.777	5412552.924	Mine-Mill	Y: 36	N: 267	Y: 136	Y: 2790	Y: 18000	N: 185	Y: 1.3	Y: <0.86	Y: 18600	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	LCTP01SS-SS	MJ0GF8	None	Soil	448200.6219	5412552.425	Mine-Mill	Y: 112	N: 18.1	Y: 301	Y: 53.2	Y: 110000	N: 129	Y: 2.3	Y: <0.74	Y: 72600	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	LCTP02SS-SS	MJ0GF9	None	Soil	448188.4028	5412561.925	Mine-Mill	Y: 120	N: 14.1	Y: 269	Y: 49.2	Y: 72900	N: 108	Y: 1.4	Y: <0.74	Y: 63900	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	LCWP01SS-SS	MJ0GG3	None	Soil	448393.7214	5412616.429	Mine-Mill	Y: 101	N: 26	Y: 285	Y: 48.1	Y: 113000	N: 200	Y: 1.5	Y: <0.75	Y: 67700	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	LCWP02SS-SS	MJ0GG4	None	Soil	448373.4708	5412606.429	Mine-Mill	Y: 105	N: 25.8	Y: 349	Y: 51.6	Y: 125000	N: 198	Y: 2	Y: <0.75	Y: 89800	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	LCWP03SS-SS	MJ0GG5	None	Soil	448362.0951	5412586.428	Mine-Mill	Y: 135	N: 18.4	Y: 326	Y: 56	Y: 170000	N: 216	Y: 2.7	Y: <0.8	Y: 89300	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	NSSL01SS-SS	MJ0KK0	None	Soil	443401.1573	5419075.456	Mine-Mill	Y: 294	N: 157	N: 2	Y: 2430	Y: 2600	N: 275	Y: 0.28	Y: 1.2	Y: 120	As, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	NSSL02SS-SS	MJ0KK1	None	Soil	443481.374	5418883.453	Mine-Mill	Y: 297	N: 178	Y: 26.9	Y: 14700	Y: 7980	N: 594	Y: 0.34	Y: <0.76	Y: 978	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	NSSL03SS-SS	MJ0KK2	None	Soil	443501.1556	5418904.953	Mine-Mill	Y: 209	N: 87.1	Y: 105	Y: 4480	Y: 10500	N: 351	Y: 0.4	Y: 1.4	Y: 5420	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA_2012_YAM	Parcel 1991741 Grid Location #13	YA-0711-SS-01	Single	Tailings/Soil	423644	5401395	Mine-Mill	Y: 71.4	N: 15.2	Y: 135	Y: 300	Y: 37900	Y: 1540	nm	Y: 36.2	Y: 18800	As, Cd, Cu, Mn, Pb, Se, Zn	NC	N/A
USEPA_2012_YAM	Parcel 1991741 Grid Location #18	YA-0711-SS-02	Single	Tailings/Soil	423608	5401366	Mine-Mill	Y: 41.3	N: 21.1	Y: <108	Y: 164	Y: 9600	Y: 2290	nm	Y: 7	Y: 14200	As, Cd, Cu, Mn, Pb, Se, Zn	NC	N/A
USEPA_2012_YAM	Parcel 1991741, West Berm #2	YA-0711-SS-03	Single	Tailings/Soil	423617	5401384	Mine-Mill	Y: 32.9	N: 35.6	Y: 66	Y: 117	Y: 5820	Y: 1740	nm	Y: 5.3	Y: 8970	As, Cd, Cu, Mn, Pb, Se, Zn	NC	N/A
USEPA_2012_YAM	Parcel 1992900, Grid Location #13	YA-0823-SS-XRF13	Single	Tailings/Soil	423792	5401064	Mine-Mill	Y: 25	N: 160	Y: 37	Y: 50	Y: 3900	N: 990	nm	Y: 0.96	Y: 6500	As, Cd, Cu, Pb, Se, Zn	NC	N/A
USEPA_2012_YAM	Parcel 1992900, Grid Location #25	YA-0823-SS-XRF25	Single	Tailings/Soil	423779	5401050	Mine-Mill	Y: 37	N: 59	Y: 130	Y: 150	Y: 42000	Y: 15000	nm	Y: 3	Y: 16000	As, Cd, Cu, Mn, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	RDWP01SS-SS	MJ0GE2	None	Soil	458626.2354	5421286.843	Mine-Mill	Y: 142	N: 41	Y: 177	Y: 1080	Y: 28900	Y: 9700	Y: 1.1	Y: <0.73	Y: 15600	As, Cd, Cu, Hg, Mn, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	RDWP02SS-SS	MJ0GE3	None	Soil	458604.454	5421286.343	Mine-Mill	Y: 155	N: 41.7	Y: 111	Y: 145	Y: 14600	Y: 14000	Y: 0.81	Y: 1.9	Y: 15700	As, Cd, Cu, Hg, Mn, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	RDWP03SS-SS	MJ0GE4	None	Soil	458602.2661	5421292.343	Mine-Mill	Y: 69.6	N: 201	Y: 124	Y: 225	Y: 14700	Y: 14800	Y: 0.4	Y: <0.71	Y: 10700	As, Cd, Cu, Hg, Mn, Pb, Se, Zn	NC	N/A
ACMINESITE2007	SS-Mill-1	SS-MILL-1-2'	Unk	Tailings	456618.7971	5418294.928	Mine-Mill	nm	Y: 47000	N: 2.9	N: 31	N: 81	nm	nm	Y: 19	Y: 560	Ba, Se, Zn	NC	N/A
ACMINESITE2007	SS-Mill-2	SS-MILL-2-2'	Unk	Tailings	456595.871	5418277.293	Mine-Mill	nm	Y: 44000	Y: 7	Y: 60	Y: 110	nm	nm	Y: 20	Y: 1300	Ba, Cd, Cu, Pb, Se, Zn	NC	N/A
ACMINESITE2007	SS-Mill-3	SS-MILL-3-2'	Unk	CrushedOre	456601.5144	5418243.821	Mine-Mill	nm	N: 73	Y: 120	Y: 98	Y: 4500	nm	nm	Y: 4.5	Y: 31000	Cd, Cu, Pb, Se, Zn	NC	N/A
ACMINESITE2007	SS-Mill-4	SS-MILL-4-2'	Unk	Tailings	456634.8101	5418245.231	Mine-Mill	nm	Y: 47000	N: 2.3	N: 34	N: <7.2	nm	nm	Y: 16	Y: 310	Ba, Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-10	SS-WND-10	Unk	Soil	457055.7153	5418103.721	Mine-Mill	nm	N: 200	N: <0.69	N: 10	N: 12	nm	nm	Y: 2.5	N: 64	Se	NC	N/A
ACMINESITE2007	SS-WND-11	SS-WND-11	Unk	Soil	457064.6708	5418090.632	Mine-Mill	nm	N: 330	N: <0.99	N: 25	N: 17	nm	nm	Y: 3.6	N: 110	Se	NC	N/A
ACMINESITE2007	SS-WND-13	SS-WND-13	Unk	Soil	457079.8263	5418063.766	Mine-Mill	nm	N: 360	N: <1.5	N: 25	N: 31	nm	nm	Y: 4.1	Y: 130	Se, Zn	NC	N/A

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
Final Upland RI Report
Upper Columbia River, Washington

							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
ACMINESITE2007	SS-WND-15	SS-WND-15	Unk	Soil	457094.9818	5418037.588	Mine-Mill	nm	N: 220	N: <1.1	N: 20	N: 13	nm	nm	Y: <2.8	N: 89	Se	NC	N/A
ACMINESITE2007	SS-WND-2	SS-WND-2	Unk	Soil	456992.3379	5418210.498	Mine-Mill	nm	Y: 480	N: 3	N: 31	Y: 150	nm	nm	Y: 11	Y: 970	Ba, Pb, Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-3	SS-WND-3	Unk	Soil	456999.9157	5418196.721	Mine-Mill	nm	N: 390	N: <1	N: 29	N: 26	nm	nm	Y: <2.6	Y: 140	Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-4	SS-WND-4	Unk	Soil	457008.1823	5418183.632	Mine-Mill	nm	Y: 900	N: <1.4	N: 34	N: 38	nm	nm	Y: <3.7	Y: 190	Ba, Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-5	SS-WND-5	Unk	Soil	457016.4489	5418170.543	Mine-Mill	nm	Y: 634	N: 1.7	N: 32	N: 45	nm	nm	Y: <2.5	Y: 190	Ba, Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-6	SS-WND-6	Unk	Soil	457024.0266	5418158.143	Mine-Mill	nm	Y: 720	N: 1.6	N: 29	N: 43	nm	nm	Y: <3.7	Y: 150	Ba, Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-7	SS-WND-7	Unk	Soil	457032.2933	5418143.677	Mine-Mill	nm	Y: 530	N: <1	N: 28	N: 36	nm	nm	Y: <2.8	Y: 150	Ba, Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-8	SS-WND-8	Unk	Soil	457040.5599	5418130.588	Mine-Mill	nm	N: 280	N: <0.9	N: 26	N: 29	nm	nm	Y: <2.4	Y: 140	Se, Zn	NC	N/A
ACMINESITE2007	SS-WND-9	SS-WND-9	Unk	Soil	457048.1376	5418116.81	Mine-Mill	nm	N: 370	N: 1	N: 27	N: 24	nm	nm	Y: <2.7	Y: 130	Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZMS01SS-SS	MJ0EW5	None	Soil	450981.6971	5402578.792	Mine-Mill	N: 8.4	N: 127	Y: 78.2	Y: 443	Y: 4850	N: 520	Y: 0.97	Y: <0.89	Y: 17500	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP01SS-SS	MJ0ER1	None	Soil	450964.4469	5402593.292	Mine-Mill	N: 7	N: 195	Y: 68.1	Y: 370	Y: 2830	N: 414	Y: 1.7	Y: <0.84	Y: 17600	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP02SS-SS	MJ0ER2	None	Soil	450968.3851	5402597.792	Mine-Mill	N: 6.4	N: 5.4	Y: 23.4	N: 28.8	Y: 488	N: 255	N: 0.1	Y: <0.71	Y: 6860	Cd, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP03SS-SS	MJ0ER3	None	Soil	450972.3542	5402600.292	Mine-Mill	N: 5.6	N: 7.8	Y: 14.4	N: 33.4	Y: 2110	N: 265	Y: 0.24	Y: <0.88	Y: 3560	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP04SS-SS	MJ0ER4	None	Soil	450992.2924	5402638.793	Mine-Mill	N: 6.6	N: 156	Y: 130	Y: 123	Y: 1680	N: 443	Y: 2.7	Y: 1.3	Y: 33400	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP05SS-SS	MJ0ER5	None	Soil	450997.9175	5402639.293	Mine-Mill	N: 6.6	N: 300	Y: 126	Y: 251	Y: 2290	N: 450	Y: 2.2	Y: <0.94	Y: 29500	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP06SS-SS	MJ0ER6	None	Soil	450999.5746	5402638.293	Mine-Mill	N: 6.4	N: 317	Y: 111	Y: 293	Y: 3120	N: 487	Y: 2.1	Y: <0.86	Y: 26100	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP07SS-SS	MJ0ER7	None	Soil	450998.4485	5402635.293	Mine-Mill	N: 6.5	N: 6.8	Y: 23.2	Y: 50.7	Y: 1670	N: 202	Y: 0.36	Y: <0.82	Y: 7220	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP08SS-SS	MJ0ER8	None	Soil	450999.5745	5402634.793	Mine-Mill	N: 6.2	N: 6	Y: 23.6	Y: 69.5	Y: 1830	N: 191	Y: 0.33	Y: <0.85	Y: 5340	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP09SS-SS	MJ0ER9	None	Soil	451000.1365	5402635.293	Mine-Mill	N: 8.2	N: 37.4	Y: 45.8	Y: 146	Y: 3210	N: 320	Y: 0.57	Y: <0.86	Y: 10100	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP10SS-SS	MJ0ES0	None	Soil	451004.6056	5402633.793	Mine-Mill	N: 5.8	N: 206	Y: 18.3	Y: 97.7	Y: 1110	N: 478	Y: 0.26	Y: <0.87	Y: 4410	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP11SS-SS	MJ0ES1	None	Soil	451005.1676	5402634.293	Mine-Mill	N: 4.5	N: 73.3	Y: 14.6	Y: 63.4	Y: 1020	N: 264	Y: 0.21	Y: <0.8	Y: 3730	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP12SS-SS	MJ0ES2	None	Soil	451006.2617	5402633.793	Mine-Mill	N: 3.4	N: 137	Y: 18.8	Y: 104	Y: 917	N: 328	Y: 0.14	Y: <1	Y: 4880	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP13SS-SS	MJ0ES3	None	Soil	451292.4953	5403056.304	Mine-Mill	N: 9.8	N: 52.5	Y: 65.6	Y: 236	Y: 3470	N: 381	Y: 0.7	Y: <0.9	Y: 15600	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP14SS-SS	MJ0ES4	None	Soil	451294.1823	5403057.804	Mine-Mill	N: 8.7	N: 38.3	Y: 58.6	Y: 185	Y: 3620	N: 372	Y: 0.8	Y: <0.89	Y: 12000	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP15SS-SS	MJ0ES5	None	Soil	451294.7453	5403057.804	Mine-Mill	N: 9.5	N: 62.4	Y: 54.4	Y: 163	Y: 3450	N: 349	Y: 0.84	Y: <0.87	Y: 11500	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP16SS-SS	MJ0ES6	None	Soil	451299.8075	5403059.305	Mine-Mill	N: 6.5	N: 9.2	Y: 44.7	Y: 162	Y: 3370	N: 301	Y: 0.6	Y: <0.85	Y: 10800	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP17SS-SS	MJ0ES7	None	Soil	451298.6825	5403058.805	Mine-Mill	N: 6.7	N: 11.1	Y: 44.9	Y: 163	Y: 3280	N: 284	Y: 0.65	Y: <0.87	Y: 9700	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP20SS-SS	MJ0ET0	None	Soil	451302.1207	5403066.805	Mine-Mill	N: 7	N: 5.2	Y: 46.1	Y: 147	Y: 2940	N: 236	Y: 0.76	Y: <0.87	Y: 10300	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	SZTP21SS-SS	MJ0ET1	None	Soil	451302.1207	5403068.305	Mine-Mill	N: 5.8	N: 11	Y: 70	Y: 297	Y: 5110	N: 629	Y: 0.77	Y: <0.92	Y: 14700	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
ACMINESITE2007	TP-4A	TP-4A-SURF	Unk	Tailings	457024.0266	5418344.142	Mine-Mill	nm	Y: 75000	Y: 8.3	Y: 72	N: 32	nm	nm	Y: 32	Y: 970	Ba, Cd, Cu, Se, Zn	NC	N/A
ACMINESITE2007	TP-5A	TP-5A-SURF	Unk	Tailings	457004.7379	5418429.564	Mine-Mill	nm	Y: 72000	Y: 8.9	Y: 75	N: 21	nm	nm	Y: 35	Y: 940	Ba, Cd, Cu, Se, Zn	NC	N/A
ACMINESITE2007 HARTC13C	TP-6A Van Stone Mine-001	TP-6A-SURF BG-9-SS; BG-9-SS2	Unk Single	Tailings Soil	456989.5824 441773.4298	5418585.252 5399370.481	Mine-Mill Mine-Mill	nm N: 4.25	N: 340 nm	N: 3.7 N: 0.53	N: 38 N: 7.15	Y: 160 N: 24	nm nm	nm N: 0.105	Y: <2.3 Y: 1.25	Y: 1700 N: 56.5	Pb, Se, Zn Se	NC NC	N/A N/A
HARTC13C	Van Stone Mine-002	BG-7-SS	Single	Soil	444740.8802	5399529.082	Mine-Mill	N: 2.1	nm	N: 0.26	N: 2.9	N: 15	nm	N: 0.034	N: 0.45	N: 52	none	NC	N/A
HARTC13C	Van Stone Mine-003	BG-15-SS	Single	Soil	442497.1631	5399790.791	Mine-Mill	N: 3.7	nm	N: 0.56	N: 5.4	N: 38	nm	N: 0.06	Y: 0.73	Y: 140	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-004	BG-6-SS	Single	Soil	445368.5936	5400479.208	Mine-Mill	N: 4.3	nm	N: 0.86	N: 6.3	N: 36	nm	N: 0.11	Y: 0.96	N: 90	Se	NC	N/A
HARTC13C	Van Stone Mine-005	SWR-COMP	Composite	Soil	444246.5876	5400597.989	Mine-Mill	Y: 30	nm	Y: 71	N: 13	Y: 5800	nm	Y: 2.5	Y: 0.67	Y: 24000	As, Cd, Hg, Pb, Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-006	BG-10-SS	Single	Soil	443111.8793	5400677.882	Mine-Mill	N: 3	nm	N: 3.1	N: 14	N: 46	nm	N: 0.12	Y: 0.71	Y: 660	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-007	T17-SS-0	Single	Soil	443716.327	5400694.12	Mine-Mill	N: 4.7	nm	N: 0.76	N: <15	N: 95	nm	N: 0.039	N: 0.31	Y: 250	Zn	NC	N/A
HARTC13C	Van Stone Mine-008	SWR-3-COMP	Composite	Soil	444025.056	5400724.488	Mine-Mill	N: 22	nm	Y: 33	N: 6.6	Y: 3900	nm	Y: 0.71	N: 0.41	Y: 10000	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-009	T17-SS-500	Single	Soil	443584.8629	5400777.931	Mine-Mill	N: 3.2	nm	N: 0.3	N: <18	N: 9.5	nm	N: 0.052	N: <0.3	N: 71	none	NC	N/A
HARTC13C	Van Stone Mine-010	SWR-4-COMP	Composite	Soil	444331.9786	5400780.571	Mine-Mill	N: 18	nm	Y: 22	N: 1.5	Y: 700	nm	Y: 0.42	N: 0.2	Y: 9000	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-011	SWR-2-COMP	Composite	Soil	443810.7567	5400845.586	Mine-Mill	Y: 32	nm	Y: 34	N: 1.8	Y: 2700	nm	Y: 0.88	N: 0.3	Y: 9600	As, Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-012	MS-4-COMP	Composite	Soil	444069.5222	5400922.816	Mine-Mill	N: 23	nm	Y: 18	N: 3.4	Y: 860	nm	Y: 0.48	N: 0.3	Y: 5000	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-014	SWR-1-COMP	Composite	Soil	443905.4642	5400944.579	Mine-Mill	Y: 45	nm	Y: 30	N: 0.85	Y: 1600	nm	Y: 0.51	N: 0.41	Y: 8900	As, Cd, Hg, Pb, Zn	NC	N/A

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13C	Van Stone Mine-015	T15-SS-1000	Single	Soil	444574.3307	5400945.145	Mine-Mill	N: 2.6	nm	N: 0.47	N: 8.3	N: 22	nm	N: 0.039	N: 0.47	N: 99	none	NC	N/A
HARTC13C	Van Stone Mine-016	T18-SS-0	Single	Soil	443813.3969	5400976.852	Mine-Mill	N: 4	nm	N: 0.61	N: <17	N: 26	nm	N: 0.042	N: 0.41	Y: 140	Zn	NC	N/A
HARTC13C	Van Stone Mine-017	T15-SS-750	Single	Soil	444507.1129	5400985.832	Mine-Mill	N: 2.6	nm	N: 0.66	N: 5.3	N: 21	nm	N: 0.041	N: 0.25	Y: 220	Zn	NC	N/A
HARTC13C	Van Stone Mine-018	BG-11-SS	Single	Soil	445260.0781	5400996.096	Mine-Mill	N: 2.2	nm	N: 0.2	N: 3.6	N: 11	nm	N: 0.038	Y: 0.64	N: 51	Se	NC	N/A
HARTC13C	Van Stone Mine-019	UT-1	Single	Soil	442892.2369	5401022.968	Mine-Mill	N: 1.6	nm	N: 0.34	N: <10	N: 11	nm	N: 0.026	N: 0.5	N: <79	none	NC	N/A
HARTC13C	Van Stone Mine-020	UT-2	Single	Soil	442917.6048	5401038.385	Mine-Mill	N: 1.1	nm	N: 0.23	N: 8.4	N: 7.9	nm	N: 0.01	Y: 0.52	N: 79	Se	NC	N/A
HARTC13C	Van Stone Mine-021	UT-3	Single	Soil	442967.3607	5401045.215	Mine-Mill	N: 4.9	nm	N: 2.9	N: 35	Y: 150	nm	N: 0.11	Y: 1	Y: 880	Pb, Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-022	T18-SS-350	Single	Soil	443737.7477	5401055.653	Mine-Mill	N: 3.1	nm	N: 0.4	N: <16	N: 29	nm	N: 0.032	N: 0.32	Y: 120	Zn	NC	N/A
HARTC13C	Van Stone Mine-023	T15-SS-200	Single	Soil	444338.8136	5401054.093	Mine-Mill	N: 2.1	nm	N: 3.7	N: 5	N: 88	nm	Y: 0.15	N: 0.41	Y: 1300	Hg, Zn	NC	N/A
HARTC13C	Van Stone Mine-024	BG-13-SS	Single	Soil	441021.6753	5401089.494	Mine-Mill	N: 5.2	nm	N: 0.37	N: 6.1	N: 42	nm	N: 0.088	Y: 0.96	N: 37	Se	NC	N/A
HARTC13C	Van Stone Mine-025	T10-SS-750	Single	Soil	443186.8737	5401070.998	Mine-Mill	N: 1.7	nm	N: 0.21	N: 4.5	N: 6	nm	N: 0.028	N: 0.25	N: 73	none	NC	N/A
HARTC13C	Van Stone Mine-026	T6-SS-500	Single	Soil	442713.7588	5401085.824	Mine-Mill	N: 3	nm	N: 1.6	N: 16	N: 10	nm	N: 0.052	N: 0.47	N: 42	none	NC	N/A
HARTC13C	Van Stone Mine-027	T6-SS-300	Single	Soil	442777.7985	5401102.29	Mine-Mill	N: 1.8	nm	N: 0.27	N: 1.1	N: 6.3	nm	N: 0.019	N: <0.19	N: 53	none	NC	N/A
HARTC13C	Van Stone Mine-028	T6-SS-100	Single	Soil	442842.9135	5401101.736	Mine-Mill	N: 5.7	nm	N: 1.7	N: 1.7	N: 46	nm	N: 0.065	N: 0.24	Y: 140	Zn	NC	N/A
HARTC13C	Van Stone Mine-029	PL-8	Single	Soil	443163.5781	5401107.588	Mine-Mill	N: 18	nm	Y: 21	Y: 70	Y: 1000	nm	Y: 0.29	N: 0.32	Y: 6300	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-030	T10-SS-500	Single	Soil	443121.2637	5401109.685	Mine-Mill	N: 5.4	nm	N: 1.8	N: 15	N: 32	nm	N: 0.016	N: 0.32	Y: 510	Zn	NC	N/A
HARTC13C	Van Stone Mine-031	UT-11	Single	Soil	442715.9903	5401117.151	Mine-Mill	N: 9.8	nm	Y: 12	N: 17	Y: 630	nm	Y: 0.13	N: <0.25	Y: 3600	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-032	UT-10	Single	Soil	442705.4495	5401121.373	Mine-Mill	N: 0.68	nm	N: 0.65	N: 0.98	N: 5.1	nm	N: 0.015	N: <0.24	N: 78	none	NC	N/A
HARTC13C	Van Stone Mine-033	T11-SS-300	Single	Soil	443879.515	5401120.266	Mine-Mill	N: 9.6	nm	Y: 5.5	N: 31	Y: 190	nm	N: 0.081	N: <0.19	Y: 1400	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-034	PL-4	Single	Soil	443769.429	5401121.815	Mine-Mill	N: 2.4	nm	N: 0.3	N: 4.6	N: 21	nm	N: 0.018	N: 0.28	N: 65	none	NC	N/A
HARTC13C	Van Stone Mine-035	UT-9	Single	Soil	442764.7005	5401136.775	Mine-Mill	N: 2	nm	N: 0.29	N: 1.4	N: 7.4	nm	N: 0.0097	N: <0.23	N: 33	none	NC	N/A
HARTC13C	Van Stone Mine-036	UT-7	Single	Soil	442828.1776	5401155.804	Mine-Mill	N: 16	nm	Y: 14	N: 13	Y: 1200	nm	Y: 0.16	N: <0.24	Y: 4000	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-037	T10-SS-150	Single	Soil	443027.5595	5401160.998	Mine-Mill	N: 3.6	nm	N: 0.67	N: 7	N: 62	nm	N: 0.082	N: 0.36	N: 88	none	NC	N/A
HARTC13C	Van Stone Mine-038	PL-3	Single	Soil	443975.8498	5401162.102	Mine-Mill	N: 0.93	nm	N: 0.25	N: 0.9	N: 6.9	nm	N: 0.0099	N: 0.24	N: 36	none	NC	N/A
HARTC13C	Van Stone Mine-039	UT-2-SS	Single	Soil	442908.5436	5401216.573	Mine-Mill	N: 15	nm	Y: 15	Y: 58	Y: 370	nm	nm	nm	Y: 6500	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-040	MS-11	Single	Soil	443800.7181	5401207.547	Mine-Mill	N: 2.3	nm	N: 0.19	N: <17	N: 24	nm	N: 0.0058	N: 0.21	N: 64	none	NC	N/A
HARTC13C	Van Stone Mine-041	PL-5	Single	Soil	443499.062	5401212.806	Mine-Mill	N: 3.5	nm	Y: 5.5	N: 23	Y: 280	nm	N: 0.069	N: 0.25	Y: 1700	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-042	T11-SS-900	Single	Soil	443710.7314	5401212.342	Mine-Mill	N: 3	nm	N: 0.44	N: 6.9	N: 23	nm	N: 0.032	N: 0.24	Y: 360	Zn	NC	N/A
HARTC13C	Van Stone Mine-043	UT-13	Single	Soil	442848.3245	5401221.412	Mine-Mill	N: 6	nm	Y: 12	N: 36	Y: 420	nm	Y: 0.18	N: <0.22	Y: 3500	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-044	UT-12	Single	Soil	442835.6166	5401229.323	Mine-Mill	N: 7.5	nm	Y: 14	N: 13	Y: 340	nm	Y: 0.2	N: <0.23	Y: 4500	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-045	UT-14	Single	Soil	442844.6059	5401253.133	Mine-Mill	N: 5.4	nm	Y: 10	N: 35	Y: 350	nm	Y: 0.18	N: <0.27	Y: 2800	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-046	T9-SS-500	Single	Soil	443209.5695	5401257.869	Mine-Mill	N: 2.8	nm	N: 0.24	N: 6.2	N: 8.4	nm	N: 0.03	N: 0.39	N: 65	none	NC	N/A
HARTC13C	Van Stone Mine-047	MS-12	Single	Soil	443837.1847	5401267.324	Mine-Mill	N: 1.2	nm	N: 1.3	N: <12	N: 8.9	nm	N: 0.013	N: 0.31	Y: 300	Zn	NC	N/A
HARTC13C	Van Stone Mine-048	T11-SS-1200	Single	Soil	443636.118	5401269.456	Mine-Mill	N: 2.8	nm	N: 0.31	N: 4.6	N: 21	nm	N: 0.041	N: <0.24	Y: 150	Zn	NC	N/A
HARTC13C	Van Stone Mine-049	UT-15	Single	Soil	442789.0454	5401282.272	Mine-Mill	N: 3.4	nm	Y: 4.1	N: 9	Y: 130	nm	N: 0.079	N: <0.22	Y: 1200	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-050	T9-SS-300	Single	Soil	443157.2509	5401287.971	Mine-Mill	N: 2.4	nm	N: 0.34	N: 7.7	N: 8.8	nm	N: 0.036	N: 0.3	N: 52	none	NC	N/A
HARTC13C	Van Stone Mine-051	MS-1-COMP	Composite	Soil	444054.807	5401296.496	Mine-Mill	N: 9.2	nm	Y: 19	N: 6.2	Y: 710	nm	N: 0.12	N: 0.22	Y: 4200	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-052	UT-16	Single	Soil	442826.5592	5401314.017	Mine-Mill	N: 1.1	nm	N: 0.33	N: <0.78	N: 10	nm	N: 0.013	N: <0.22	N: 68	none	NC	N/A
HARTC13C	Van Stone Mine-053	T7-SS-100	Single	Soil	442934.9412	5401318.692	Mine-Mill	N: 3.8	nm	Y: 4	N: 8.5	Y: 140	nm	N: 0.062	N: <0.2	Y: 1300	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-054	T9-SS-100	Single	Soil	443104.8662	5401318.741	Mine-Mill	N: 1.4	nm	N: 0.21	N: 7.9	N: 6.5	nm	N: 0.023	N: 0.36	N: 42	none	NC	N/A

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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13C	Van Stone Mine-055	T7-SS-500	Single	Soil	442816.4452	5401324.014	Mine-Mill	N: 1.3	nm	N: 0.57	N: 3.5	N: 11	nm	N: 0.013	N: 0.42	Y: 140	Zn	NC	N/A
HARTC13C	Van Stone Mine-056	T12-SS-150	Single	Soil	443824.5018	5401314.477	Mine-Mill	N: 3.6	nm	N: 0.39	N: 0.89	N: 9.3	nm	N: 0.028	N: <0.23	N: 75	none	NC	N/A
HARTC13C	Van Stone Mine-057	UT-17	Single	Soil	442940.903	5401326.747	Mine-Mill	N: 5.3	nm	Y: 6.5	N: 11	Y: 140	nm	Y: 0.18	N: <0.26	Y: 2000	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-058	T7-SS-300	Single	Soil	442878.8753	5401341.498	Mine-Mill	N: 0.98	nm	N: 0.12	N: 1.4	N: 10	nm	N: 0.013	N: <0.19	N: 29	none	NC	N/A
HARTC13C	Van Stone Mine-059	UT-3-SS	Single	Soil	443068.3239	5401346.239	Mine-Mill	N: 11	nm	Y: 12	Y: 150	Y: 690	nm	nm	nm	Y: 4100	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-060	T12-SS-450	Single	Soil	443741.4459	5401357.889	Mine-Mill	N: 4.2	nm	N: 2.4	N: 2.4	Y: 120	nm	N: 0.06	N: 0.48	Y: 610	Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-061	NP-1-SS	Single	Soil	444032.5841	5401359.974	Mine-Mill	N: 10	nm	Y: 7.4	N: 6.8	Y: 500	nm	nm	nm	Y: 1700	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-062	MS-3-COMP	Composite	Soil	444337.3966	5401384.728	Mine-Mill	N: 15	nm	Y: 130	N: 22	Y: 12000	nm	Y: 0.29	N: 0.4	Y: 37000	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-063	DR-11	Single	Soil	442582.5841	5401410.564	Mine-Mill	N: 0.91	nm	N: 0.26	N: 4	N: 10	nm	N: <0.0054	N: 0.24	N: 49	none	NC	N/A
HARTC13C	Van Stone Mine-064	PL-9	Single	Soil	443218.6315	5401404.967	Mine-Mill	N: 1.1	nm	N: 0.21	N: 3.1	N: 7.1	nm	N: 0.01	N: 0.44	N: 25	none	NC	N/A
HARTC13C	Van Stone Mine-065	MS-1	Single	Soil	444033.4952	5401399.653	Mine-Mill	N: 6.2	nm	Y: 8.9	Y: 52	Y: 840	nm	N: 0.12	N: 0.36	Y: 3700	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-066	MS-2	None	Soil	444040.4316	5401417.148	Mine-Mill	N: 5.2	nm	Y: 5.6	N: <6.6	Y: 380	nm	Y: 0.15	N: 0.22	Y: 1700	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-067	MS-13	Single	Soil	443843.0502	5401419.791	Mine-Mill	N: 3.2	nm	N: 0.45	N: <14	N: 12	nm	N: 0.016	Y: 0.83	N: 48	Se	NC	N/A
HARTC13C	Van Stone Mine-068	BG-14-SS	Single	Soil	440950.0908	5401480.239	Mine-Mill	N: 2.6	nm	N: 0.28	N: 4	N: 13	nm	N: 0.024	N: 0.49	N: 36	none	NC	N/A
HARTC13C	Van Stone Mine-069	UT-6	Single	Soil	443167.8817	5401466.403	Mine-Mill	N: 0.78	nm	N: 0.073	N: <7.8	N: 3.5	nm	N: 0.0063	N: 0.45	N: <22	none	NC	N/A
HARTC13C	Van Stone Mine-070	BG-5-SS	Single	Soil	446147.5275	5401440.397	Mine-Mill	N: 3.6	nm	N: 1.8	N: 2.9	N: 19	nm	N: 0.043	Y: 0.68	Y: 390	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-071	UT-5	Single	Soil	443212.3445	5401480.738	Mine-Mill	N: 1.3	nm	N: 0.074	N: 7.2	N: 7.8	nm	N: 0.0072	N: 0.41	N: <20	none	NC	N/A
HARTC13C	Van Stone Mine-072	T8-SS-100	Single	Soil	443115.4197	5401482.166	Mine-Mill	N: 3.3	nm	N: 0.57	N: 6.9	N: 30	nm	N: 0.024	N: 0.3	Y: 150	Zn	NC	N/A
HARTC13C	Van Stone Mine-073	UT-LT-4000'	Single	Soil	442576.754	5401494.224	Mine-Mill	N: 7.4	nm	Y: 5.5	N: 34	Y: 220	nm	N: 0.041	N: 0.25	Y: 1400	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-074	MS-14	Single	Soil	443862.0497	5401482.19	Mine-Mill	N: 2.2	nm	N: 0.25	N: <14	N: 9.1	nm	N: 0.035	N: 0.38	N: 41	none	NC	N/A
HARTC13C	Van Stone Mine-075	UT-4	Single	Soil	443257.3315	5401496.068	Mine-Mill	N: 1.9	nm	N: 0.36	N: <7.6	N: 11	nm	N: 0.017	N: 0.28	N: 68	none	NC	N/A
HARTC13C	Van Stone Mine-076	MS-3	None	Soil	444052.0494	5401505.968	Mine-Mill	N: 9.3	nm	Y: 22	Y: 130	Y: 2600	nm	N: 0.079	N: 0.43	Y: 12000	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-077	T16-SS-0	Single	Soil	444563.4557	5401502.215	Mine-Mill	N: 5.6	nm	N: 1.5	N: <17	N: 48	nm	N: 0.034	N: 0.33	Y: 270	Zn	NC	N/A
HARTC13C	Van Stone Mine-078	T8-SS-300	Single	Soil	443095.8582	5401538.84	Mine-Mill	N: 1.4	nm	N: 0.42	N: 3.2	N: 20	nm	N: 0.059	N: <0.27	N: 46	none	NC	N/A
HARTC13C	Van Stone Mine-079	MS-4	None	Soil	444121.3775	5401530.401	Mine-Mill	N: 17	nm	Y: 50	Y: 58	Y: 4500	nm	Y: 0.45	N: 0.36	Y: 11000	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-080	T13-SS-300	Single	Soil	443876.8979	5401555.747	Mine-Mill	N: 3.1	nm	N: 0.31	N: 7	N: 19	nm	N: 0.05	N: 0.4	N: 78	none	NC	N/A
HARTC13C	Van Stone Mine-081	PL-10	Single	Soil	442533.8753	5401569.927	Mine-Mill	N: 2.1	nm	N: 0.28	N: 5.5	N: 10	nm	N: 0.017	N: 0.35	N: 45	none	NC	N/A
HARTC13C	Van Stone Mine-082	T13-SS-500	Single	Soil	443819.2186	5401579.004	Mine-Mill	N: 2.4	nm	N: 0.45	N: 6.5	N: 16	nm	N: 0.037	N: 0.28	N: 99	none	NC	N/A
HARTC13C	Van Stone Mine-083	MS-5	None	Soil	444086.4712	5401582.221	Mine-Mill	N: 6.6	nm	Y: 31	Y: 70	Y: 3100	nm	Y: 0.5	Y: 0.54	Y: 8200	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-084	T8-SS-500	Single	Soil	443069.9084	5401596.023	Mine-Mill	N: 2.5	nm	N: 0.48	N: 9.4	N: 20	nm	N: 0.029	N: 0.26	Y: 140	Zn	NC	N/A
HARTC13C	Van Stone Mine-085	T12-SS-750	Single	Soil	443418.6004	5401592.822	Mine-Mill	N: 2.4	nm	N: 0.38	N: 1.1	N: 18	nm	N: 0.015	N: <0.23	Y: 120	Zn	NC	N/A
HARTC13C	Van Stone Mine-086	T16-SS-315	Single	Soil	444605.987	5401589.174	Mine-Mill	N: 3.3	nm	N: 0.94	N: <28	N: 77	nm	N: 0.061	N: 0.37	Y: 130	Zn	NC	N/A
HARTC13C	Van Stone Mine-087	DR-12	Single	Soil	442960.9104	5401609.695	Mine-Mill	N: 0.73	nm	N: 0.21	N: 3.8	N: 12	nm	N: <0.0053	N: 0.22	N: 36	none	NC	N/A
HARTC13C	Van Stone Mine-088	MS-2-COMP	Composite	Soil	444158.9164	5401617.184	Mine-Mill	N: 15	nm	Y: 16	N: 6.8	Y: 450	nm	Y: 0.25	N: 0.3	Y: 4400	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-089	DR-10	Single	Soil	442216.9047	5401656.123	Mine-Mill	N: 1.2	nm	N: 0.31	N: 5.5	N: 7.3	nm	N: 0.0068	N: 0.32	N: 40	none	NC	N/A
HARTC13C	Van Stone Mine-090	PL-2	Single	Soil	443735.0563	5401643.55	Mine-Mill	N: 6.4	nm	Y: 3.8	N: 12	Y: 250	nm	N: 0.036	N: 0.24	Y: 870	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-091	PL-1	Single	Soil	443830.8495	5401654.15	Mine-Mill	N: 21	nm	Y: 11	Y: 75	Y: 860	nm	Y: 0.16	N: <0.24	Y: 3000	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-092	PL-6	Single	Soil	443291.0674	5401663.149	Mine-Mill	N: 6.2	nm	Y: 5.4	N: 16	Y: 320	nm	N: 0.068	N: <0.23	Y: 1300	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-093	TAILINGS BOX	Single	Soil	443856.8008	5401662.339	Mine-Mill	N: 12	nm	Y: 25	Y: 81	Y: 760	nm	Y: 0.45	N: 0.27	Y: 7700	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-094	PL-7	Single	Soil	443510.209	5401683.835	Mine-Mill	N: 0.5	nm	N: 0.13	N: 1.3	N: 7.6	nm	N: 0.0042	N: 0.22	N: 28	none	NC	N/A

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13C	Van Stone Mine-095	MS-10	Single	Soil	444312.8841	5401683.798	Mine-Mill	N: 4.2	nm	N: 3.4	N: 7.2	Y: 530	nm	Y: 0.13	Y: 0.57	Y: 1100	Hg, Pb, Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-096	NP-3-SS	Single	Soil	444132.4421	5401696.49	Mine-Mill	N: 7.1	nm	Y: 120	Y: 48	Y: 22000	nm	nm	nm	Y: 36000	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-097	MS-8	None	Soil	444152.0646	5401696.517	Mine-Mill	N: 8.8	nm	Y: 46	Y: 75	Y: 21000	nm	Y: 0.17	N: 0.5	Y: 9400	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-098	MS-9	None	Soil	444178.5211	5401696.475	Mine-Mill	N: 7.7	nm	Y: 19	Y: 59	Y: 2500	nm	Y: 0.16	Y: 0.55	Y: 4300	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-099	BG-12-SS	Single	Soil	441403.5574	5401726.055	Mine-Mill	N: 3.3	nm	N: 1.5	N: 3.6	N: 57	nm	N: 0.045	Y: 0.66	Y: 460	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-100	MS-7	None	Soil	444126.1012	5401701.778	Mine-Mill	N: 7.9	nm	Y: 47	Y: 640	Y: 3900	nm	Y: 0.36	N: 0.31	Y: 9700	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-101	T16-SS-770	Single	Soil	444656.1369	5401703.517	Mine-Mill	N: 1.6	nm	N: 0.21	N: <8.5	N: 18	nm	N: 0.018	N: <0.24	N: 37	none	NC	N/A
HARTC13C	Van Stone Mine-102	PL-12	Single	Soil	442017.4382	5401733.449	Mine-Mill	N: 1.4	nm	N: 0.7	N: 3.4	N: 22	nm	N: 0.014	N: 0.42	Y: 140	Zn	NC	N/A
HARTC13C	Van Stone Mine-103	BG-8-SS	Single	Soil	444800.3188	5401717.658	Mine-Mill	N: 1.8	nm	N: 0.25	N: 2.5	N: 9.6	nm	N: 0.023	Y: 0.64	N: 69	Se	NC	N/A
HARTC13C	Van Stone Mine-104	MS-6	None	Soil	444143.0895	5401725.066	Mine-Mill	N: 11	nm	Y: 180	Y: 360	Y: 26000	nm	Y: 2.8	Y: 0.77	Y: 23000	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-105	T14-SS-300	Single	Soil	444017.9689	5401735.876	Mine-Mill	N: 2	nm	Y: 4.7	N: 15	Y: 240	nm	N: 0.09	N: 0.28	Y: 2100	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-106	MS-15	Single	Soil	443958.9383	5401741.47	Mine-Mill	N: 8.1	nm	Y: 21	N: <23	Y: 980	nm	Y: 0.51	N: 0.34	Y: 5600	Cd, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-107	PL-11	Single	Soil	442123.2367	5401766.15	Mine-Mill	N: 8.3	nm	Y: 7.6	N: 10	Y: 380	nm	N: 0.065	N: 0.27	Y: 1900	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-108	T14-SS-500	Single	Soil	443972.2375	5401763.237	Mine-Mill	N: 4.1	nm	N: 2.4	N: 13	N: 34	nm	N: 0.073	N: 0.29	Y: 960	Zn	NC	N/A
HARTC13C	Van Stone Mine-109	UT-LT-2000	Single	Soil	442124.3001	5401783.704	Mine-Mill	N: 14	nm	Y: 10	Y: 81	Y: 470	nm	N: 0.11	N: 0.23	Y: 3200	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-110	MS-16	Single	Soil	444063.6704	5401771.661	Mine-Mill	N: 3.6	nm	Y: 12	N: <33	Y: 1200	nm	Y: 0.14	Y: 0.84	Y: 6400	Cd, Hg, Pb, Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-111	DR-9	Single	Soil	441913.1619	5401798.008	Mine-Mill	N: 1.2	nm	N: 0.31	N: 5.8	N: 13	nm	N: 0.0073	N: 0.35	N: 52	none	NC	N/A
HARTC13C	Van Stone Mine-112	MS-18	Single	Soil	444419.804	5401779.009	Mine-Mill	N: 1.9	nm	N: 0.61	N: 11	N: 81	nm	N: 0.056	N: 0.31	Y: 200	Zn	NC	N/A
HARTC13C	Van Stone Mine-113	T14-SS-750	Single	Soil	443915.7524	5401810.161	Mine-Mill	N: 1.9	nm	N: 0.3	N: 4.3	N: 6.7	nm	N: 0.027	N: <0.21	N: 51	none	NC	N/A
HARTC13C	Van Stone Mine-114	DR-13	Single	Soil	443400.6135	5401834.578	Mine-Mill	N: 0.68	nm	N: 0.24	N: 4.4	N: 11	nm	N: <0.0052	N: 0.26	N: 57	none	NC	N/A
HARTC13C	Van Stone Mine-115	PL-13	Single	Soil	442028.5293	5401853.51	Mine-Mill	N: 13	nm	Y: 4.4	N: 25	Y: 560	nm	N: 0.043	N: 0.3	Y: 1100	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-116	MS-17	Single	Soil	444226.67	5401859.972	Mine-Mill	N: 0.61	nm	N: 0.046	N: 7.4	N: 2.6	nm	N: <0.0056	N: 0.33	N: 8.1	none	NC	N/A
HARTC13C	Van Stone Mine-117	DR-15	Single	Soil	444213.5204	5401941.591	Mine-Mill	N: 1	nm	N: 0.87	N: 3.5	N: 64	nm	N: 0.01	N: 0.23	Y: 170	Zn	NC	N/A
HARTC13C	Van Stone Mine-118	DR-8	Single	Soil	441553.8622	5401994.853	Mine-Mill	N: 1	nm	N: 0.29	N: 7.1	N: 7	nm	N: 0.0051	N: 0.31	N: 40	none	NC	N/A
HARTC13C	Van Stone Mine-119	DR-14	Single	Soil	443769.0436	5401976.165	Mine-Mill	N: 0.6	nm	N: 0.13	N: 4.1	N: 5.5	nm	N: <0.0055	N: 0.29	N: 17	none	NC	N/A
HARTC13C	Van Stone Mine-120	DR-7-HARTC13C	Single	Soil	441475.5283	5402318.625	Mine-Mill	N: 1.2	nm	N: 0.27	N: 6.7	N: 12	nm	N: 0.0053	N: 0.32	N: 41	none	NC	N/A
HARTC13C	Van Stone Mine-121	PL-14	Single	Soil	441708.3497	5402377.339	Mine-Mill	N: 2.8	nm	N: 0.64	N: 6.3	N: 27	nm	N: 0.023	N: 0.45	N: 99	none	NC	N/A
HARTC13C	Van Stone Mine-122	DR-5-HARTC13C	Single	Soil	440985.2877	5402622.713	Mine-Mill	N: 8.2	nm	N: 1.9	N: 21	N: 7.7	nm	N: 0.027	Y: 1.1	Y: 120	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-123	DR-6	Single	Soil	441314.4606	5402634.927	Mine-Mill	N: 2.2	nm	N: 0.45	N: 8.4	N: 36	nm	N: <0.0054	N: 0.36	N: 56	none	NC	N/A
HARTC13C	Van Stone Mine-124	PL-15	Single	Soil	441784.0388	5402645.92	Mine-Mill	N: 10	nm	Y: 24	Y: 45	Y: 570	nm	Y: 0.23	N: 0.28	Y: 5200	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-125	LT-18	Single	Soil	441305.9797	5402674.037	Mine-Mill	N: 3.6	nm	N: 1.1	N: <19	N: 11	nm	N: 0.026	N: 0.43	N: 77	none	NC	N/A
HARTC13C	Van Stone Mine-126	T3-SS-500	Single	Soil	441086.3991	5402678.79	Mine-Mill	N: 4.3	nm	N: 1.3	N: 9.4	N: 24	nm	N: 0.027	N: 0.44	Y: 130	Zn	NC	N/A
HARTC13C	Van Stone Mine-127	LT-19	Single	Soil	441189.6045	5402682.596	Mine-Mill	N: 3.1	nm	N: 0.46	N: <13	N: 6.1	nm	N: 0.025	N: 0.37	N: 63	none	NC	N/A
HARTC13C	Van Stone Mine-128	T3-SS-300	Single	Soil	441078.9574	5402739.679	Mine-Mill	N: 8.7	nm	Y: 8.7	Y: 180	Y: 880	nm	N: 0.1	N: <0.23	Y: 1900	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-129	T2-SS-500	Single	Soil	441460.504	5402793.151	Mine-Mill	N: 4.9	nm	N: 1.3	N: 11	N: 12	nm	N: 0.038	Y: 0.53	N: 110	Se	NC	N/A
HARTC13C	Van Stone Mine-130	T3-SS-100	Single	Soil	441074.7485	5402800.534	Mine-Mill	N: 3.3	nm	N: 1.1	N: 4.8	N: 24	nm	N: 0.038	N: 0.35	Y: 190	Zn	NC	N/A
HARTC13C	Van Stone Mine-131	LT-17	Single	Soil	440888.9922	5402834.956	Mine-Mill	N: 3.4	nm	N: 0.86	N: <13	N: 13	nm	N: 0.021	N: 0.46	N: 68	none	NC	N/A
HARTC13C	Van Stone Mine-132	T2-SS-300	Single	Soil	441423.4612	5402841.342	Mine-Mill	N: 10	nm	Y: 9.7	N: 18	Y: 420	nm	N: 0.08	N: <0.21	Y: 2900	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-133	LT-16	Single	Soil	440976.8308	5402886.835	Mine-Mill	N: 4.2	nm	N: 1.1	N: <26	N: 19	nm	N: 0.029	N: 0.5	N: 91	none	NC	N/A
HARTC13C	Van Stone Mine-134	T2-SS-100	Single	Soil	441381.6657	5402884.692	Mine-Mill	N: 3.4	nm	N: 0.65	N: 16	N: 21	nm	N: 0.019	Y: 0.52	Y: 140	Se, Zn	NC	N/A

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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13C	Van Stone Mine-135	T1-SS-500	Single	Soil	441590.7076	5402926.975	Mine-Mill	N: 2.4	nm	N: 0.77	N: 8.1	N: 43	nm	N: 0.025	N: 0.32	Y: 170	Zn	NC	N/A
HARTC13C	Van Stone Mine-136	DR-4-HARTC13C	Single	Soil	440887.9663	5402953.476	Mine-Mill	N: 1.5	nm	N: 0.73	N: 4.8	N: 6	nm	N: <0.0052	N: <0.18	Y: 120	Zn	NC	N/A
HARTC13C	Van Stone Mine-137	LT-1-SS	Single	Soil	441230.8445	5402957.202	Mine-Mill	N: 6.2	nm	Y: 35	N: 23	Y: 9500	nm	nm	nm	Y: 11000	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-138	T1-SS-300	Single	Soil	441544.6284	5402968.256	Mine-Mill	N: 3.3	nm	N: 0.41	N: 11	N: 7.9	nm	N: 0.023	N: 0.37	N: 75	none	NC	N/A
HARTC13C	Van Stone Mine-139	T4-SS-100	Single	Soil	440992.7036	5402998.507	Mine-Mill	N: 9	nm	Y: 11	N: 26	Y: 300	nm	N: 0.1	N: <0.2	Y: 4100	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-140	T4-SS-500	Single	Soil	440872.0497	5403004.783	Mine-Mill	N: 3	nm	N: 0.85	N: 11	N: 16	nm	N: 0.026	N: 0.41	Y: 160	Zn	NC	N/A
HARTC13C	Van Stone Mine-141	T4-SS-300	Single	Soil	440931.8814	5403006.93	Mine-Mill	N: 3.9	nm	N: 0.68	N: 6.9	N: 21	nm	N: 0.055	N: 0.35	N: 85	none	NC	N/A
HARTC13C	Van Stone Mine-142	T1-SS-100	Single	Soil	441500.2291	5403008.52	Mine-Mill	N: 5.2	nm	N: 3.7	N: 31	Y: 170	nm	N: 0.071	N: 0.29	Y: 1200	Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-143	LT-23	Single	Soil	440758.8512	5403083.689	Mine-Mill	N: 1.7	nm	N: 0.37	N: 12	N: 6.7	nm	N: 0.015	N: 0.33	N: <29	none	NC	N/A
HARTC13C	Van Stone Mine-144	LT-22	Single	Soil	440907.5567	5403090.01	Mine-Mill	N: 7.6	nm	Y: 5.3	Y: 110	Y: 380	nm	N: 0.091	N: 0.37	Y: 1400	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-145	LT-OC ROAD-CULVERT	Single	Soil	440813.8886	5403091.111	Mine-Mill	N: 4.5	nm	Y: 3.9	N: 14	N: 59	nm	N: 0.051	N: 0.45	Y: 530	Cd, Zn	NC	N/A
HARTC13C	Van Stone Mine-146	LT-2-SS	Single	Soil	441163.0893	5403088.985	Mine-Mill	N: 3.1	nm	Y: 19	Y: 77	Y: 2700	nm	nm	nm	Y: 5200	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-147	LT-DP-1	Single	Soil	441017.9878	5403110.857	Mine-Mill	N: 13	nm	Y: 17	Y: 56	Y: 600	nm	Y: 0.21	N: <0.27	Y: 5700	Cd, Cu, Hg, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-148	LT-20	Single	Soil	441578.0182	5403119.101	Mine-Mill	N: 2.4	nm	N: 0.86	N: 13	N: 16	nm	N: 0.019	N: 0.37	N: 99	none	NC	N/A
HARTC13C	Van Stone Mine-149	LT-21	Single	Soil	441729.3332	5403143.426	Mine-Mill	N: 2.1	nm	N: 0.48	N: <9	N: 10	nm	N: 0.016	N: 0.41	N: <40	none	NC	N/A
HARTC13C	Van Stone Mine-150	T5-SS-100	Single	Soil	441085.2521	5403170.07	Mine-Mill	N: 2.2	nm	N: 0.24	N: 3.7	N: 4.3	nm	N: 0.018	N: 0.22	N: 45	none	NC	N/A
HARTC13C	Van Stone Mine-151	LT-1	Single	Soil	441564.2379	5403171.496	Mine-Mill	N: 1.5	nm	N: 0.34	N: <8.2	N: 8.1	nm	N: 0.018	N: 0.31	N: 49	none	NC	N/A
HARTC13C	Van Stone Mine-152	LT-12	Single	Soil	441134.5496	5403176.778	Mine-Mill	N: 14	nm	Y: 6.8	N: 10	Y: 490	nm	N: 0.11	N: <0.31	Y: 1900	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-153	LT-11	Single	Soil	441111.2648	5403177.356	Mine-Mill	N: 9.5	nm	Y: 5.9	Y: 130	Y: 250	nm	N: 0.072	N: 0.49	Y: 2200	Cd, Cu, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-154	LT-15	Single	Soil	441098.5919	5403187.94	Mine-Mill	N: 1.3	nm	N: 0.28	N: 11	N: 14	nm	N: 0.0065	N: 0.27	N: 60	none	NC	N/A
HARTC13C	Van Stone Mine-155	LT-3	Single	Soil	441476.3664	5403185.755	Mine-Mill	N: 2.3	nm	N: 0.88	N: <9	N: 29	nm	N: 0.03	N: 0.35	N: 69	none	NC	N/A
HARTC13C	Van Stone Mine-156	LT-4	Single	Soil	441472.7023	5403193.686	Mine-Mill	N: 2.4	nm	N: 0.63	N: 10	N: 15	nm	N: 0.033	N: 0.36	N: 60	none	NC	N/A
HARTC13C	Van Stone Mine-157	LT-14	Single	Soil	441117.0657	5403197.973	Mine-Mill	N: 3.1	nm	N: 0.96	N: 7.7	N: 37	nm	N: 0.036	N: 0.45	Y: 150	Zn	NC	N/A
HARTC13C	Van Stone Mine-158	LT-13	Single	Soil	441148.279	5403203.759	Mine-Mill	N: 1.2	nm	N: 0.2	N: 1.4	N: 2.9	nm	N: 0.0058	N: 0.25	N: 14	none	NC	N/A
HARTC13C	Van Stone Mine-159	LT-8	Single	Soil	441372.6817	5403205.406	Mine-Mill	N: 1.1	nm	N: 0.19	N: 12	N: 5.9	nm	N: 0.013	N: 0.41	N: <23	none	NC	N/A
HARTC13C	Van Stone Mine-160	LT-2	Single	Soil	441551.0324	5403208.543	Mine-Mill	N: 2.2	nm	N: 0.62	N: <8.2	N: 16	nm	N: 0.021	N: 0.46	N: 75	none	NC	N/A
HARTC13C	Van Stone Mine-161	LT-9	Single	Soil	441336.7004	5403214.343	Mine-Mill	N: 2.2	nm	N: 0.41	N: 11	N: 17	nm	N: 0.02	N: 0.5	N: <52	none	NC	N/A
HARTC13C	Van Stone Mine-162	LT-5	Single	Soil	441495.9782	5403213.343	Mine-Mill	N: 1.9	nm	N: 0.43	N: <8.9	N: 24	nm	N: 0.039	N: <0.25	N: 41	none	NC	N/A
HARTC13C	Van Stone Mine-163	T5-SS-300	Single	Soil	441047.1236	5403219.276	Mine-Mill	N: 1.5	nm	N: 0.45	N: 5	N: 17	nm	N: 0.016	N: 0.35	N: 88	none	NC	N/A
HARTC13C	Van Stone Mine-164	LT-10	Single	Soil	441298.6132	5403218.633	Mine-Mill	N: 4.1	nm	N: 1.3	N: 13	N: 65	nm	N: 0.036	N: 0.43	Y: 220	Zn	NC	N/A
HARTC13C	Van Stone Mine-165	LT-7	Single	Soil	441371.5819	5403219.647	Mine-Mill	N: 4.9	nm	Y: 4.5	N: 10	Y: 190	nm	N: 0.053	N: 0.32	Y: 1200	Cd, Pb, Zn	NC	N/A
HARTC13C	Van Stone Mine-166	LT-6	Single	Soil	441365.8038	5403229.157	Mine-Mill	N: 4.8	nm	N: 0.96	N: 17	N: 44	nm	N: 0.045	Y: 1.2	Y: 150	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-167	T5-SS-500	Single	Soil	441012.1828	5403271.117	Mine-Mill	N: 2.3	nm	N: 0.58	N: 8.3	N: 13	nm	N: 0.031	N: 0.41	N: 73	none	NC	N/A
HARTC13C	Van Stone Mine-168	DR-3-HARTC13C	Single	Soil	440751.5161	5403320.786	Mine-Mill	N: 9.8	nm	N: 2.6	N: 24	N: 8.8	nm	N: 0.032	Y: 0.99	Y: 140	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-169	BG-2-SS	Single	Soil	442445.926	5403401.488	Mine-Mill	N: 4.4	nm	N: 0.4	N: 6.2	N: 12	nm	N: 0.052	Y: 0.87	N: 23	Se	NC	N/A
HARTC13C	Van Stone Mine-170	BG-1-SS	Single	Soil	441876.0242	5403408.824	Mine-Mill	N: 3.9	nm	N: 1.3	N: 20	N: 11	nm	N: 0.075	Y: 2.3	N: 48	Se	NC	N/A
HARTC13C	Van Stone Mine-171	BG-3-SS	Single	Soil	443959.4197	5403411.36	Mine-Mill	N: 4.6	nm	N: 0.81	N: 10	N: 39	nm	Y: 0.15	Y: 2.3	N: 30	Hg, Se	NC	N/A
HARTC13C	Van Stone Mine-172	DR-2-HARTC13C	Single	Soil	440653.1427	5403577.524	Mine-Mill	N: 9.5	nm	N: 1.8	N: 23	N: 9.9	nm	N: 0.036	Y: 1	Y: 120	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-173	DR-1-HARTC13C	Single	Soil	440495.9293	5403896.034	Mine-Mill	N: 10	nm	N: 3.1	N: 28	N: 10	nm	N: 0.043	Y: 0.89	Y: 150	Se, Zn	NC	N/A
HARTC13C	Van Stone Mine-174	BG-4-SS	Single	Soil	444570.5978	5403996.256	Mine-Mill	N: 2.4	nm	N: 0.42	N: 6.7	N: 21	nm	N: 0.082	Y: 0.88	N: 25	Se	NC	N/A

Table H-1
Comparison of COC Concentrations to Lowest Ecological RBCs
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							Lowest Ecological RBC ^a :	23.3 mg/kg	395 mg/kg	3.74 mg/kg	41.5 mg/kg	106 mg/kg	1,240 mg/kg	0.12 mg/kg	0.503 mg/kg	111 mg/kg			
Study ID	Study Location ID	Sample Number	Composite Type	Material Analyzed	X Coordinate ^b	Y Coordinate ^b	Sample Category	Arsenic	Barium	Cadmium	Copper	Lead	Manganese	Mercury	Selenium	Zinc	All COCs with Ecological RBC Exceedances	Modeled Zinc (mg/kg) ^c	COCs That Exceed Lowest Ecological RBCs When Modeled Zinc Does Not Exceed Lowest Ecological RBC
HARTC13C	Van Stone Mine-175	T13-SS-150	Single	Soil	443919.7291	5401539.532	Mine-Mill	N: 3.4	nm	N: 0.64	N: 5.2	N: 16	nm	N: 0.05	N: 0.32	N: 110	none	NC	N/A
USEPA2001Mines/Mills	VSSS01SS-SS	MJ0F12	None	Soil	444118.0644	5401656.215	Mine-Mill	N: 16.5	N: 37	Y: 702	Y: 202	Y: 10900	N: 412	Y: 3.2	Y: <0.92	Y: 189000	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSSS02SS-SS	MJ0EX9	None	Soil	444152.6587	5401697.216	Mine-Mill	N: 9.7	N: 54.3	Y: 36.6	Y: 461	Y: 11000	N: 267	Y: 0.21	Y: <0.88	Y: 12000	Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSSS04SS-SS	MJ0EY1	None	Soil	444119.0011	5401637.715	Mine-Mill	Y: 23.6	N: 1.5	Y: 510	Y: 73.1	Y: 181000	N: 266	N: <0.05	Y: 2	Y: 164000	As, Cd, Cu, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSSS05SS-SS	MJ0EY2	None	Soil	444124.626	5401638.715	Mine-Mill	Y: 42.9	N: 7.2	Y: 940	Y: 218	Y: 14700	N: 659	Y: 6	Y: <0.8	Y: 431000	As, Cd, Cu, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSSS06SS-SS	MJ0EY3	None	Soil	444268.874	5401654.216	Mine-Mill	N: 11.3	N: 135	Y: 24.7	N: 7.6	Y: 1040	N: 260	Y: 0.15	Y: <0.71	Y: 5770	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSSS07SS-SS	MJ0EY4	None	Soil	444275.2793	5401621.715	Mine-Mill	N: 19	N: 121	Y: 8.2	N: 10.8	Y: 771	N: 294	Y: 0.6	Y: <0.99	Y: 3560	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP01SS-SS	MJ0EW9	None	Soil	441209.4086	5402911.223	Mine-Mill	N: 15.1	N: 71	Y: 7.3	N: 27.4	Y: 283	N: 210	N: 0.07	Y: <0.76	Y: 2770	Cd, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP03SS-SS	MJ0EX1	None	Soil	441034.6908	5402821.221	Mine-Mill	N: <5.7	N: 127	N: 2.4	N: 23.1	N: 74.3	N: 318	N: <0.06	Y: <0.77	Y: 907	Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP08SS-SS	MJ0EX6	None	Soil	440982.2556	5402899.722	Mine-Mill	N: <4.2	N: 241	N: 1.5	N: 14.1	N: 51.2	N: 429	N: <0.06	Y: <0.78	Y: 565	Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP09SS-SS	MJ0EX7	None	Soil	440958.6618	5402893.722	Mine-Mill	N: <4.8	N: 261	N: 0.59	N: 10.4	N: 18.8	N: 506	N: <0.06	Y: <0.87	Y: 121	Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP10SS-SS	MJ0EY5	None	Soil	442875.5135	5401212.704	Mine-Mill	N: <3.3	N: 93.9	Y: 4.9	N: 25.3	Y: 167	N: 420	N: 0.07	Y: <0.7	Y: 2100	Cd, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP11SS-SS	MJ0EY6	None	Soil	442872.0764	5401207.204	Mine-Mill	N: <3	N: 86.8	Y: 5.2	N: 23.6	Y: 143	N: 287	N: 0.06	Y: <0.77	Y: 2610	Cd, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP12SS-SS	MJ0EY7	None	Soil	442861.2944	5401194.704	Mine-Mill	N: 0.96	N: 54.3	N: 0.67	N: 5.4	N: 32.7	N: 260	N: <0.05	Y: <0.7	Y: 341	Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP15SS-SS	MJ0EZ0	None	Soil	442855.2007	5401146.203	Mine-Mill	N: 1.2	N: 38.9	N: 0.36	N: 3.6	N: 16.3	N: 131	N: <0.05	Y: <0.7	Y: 171	Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSTP18SS-SS	MJ0EZ3	None	Soil	442863.6056	5401091.202	Mine-Mill	N: <0.96	N: 82.5	N: 0.74	N: 5.9	N: 33.8	N: 211	N: <0.05	Y: <0.71	Y: 312	Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSWP01SS-SS	MJ0GJ5	None	Soil	444333.7327	5400847.705	Mine-Mill	Y: 42.3	N: 47.6	Y: 41.4	N: 12.5	Y: 1830	N: 822	Y: 1.3	Y: <0.71	Y: 20600	As, Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSWP03SS-SS	MJ0GJ7	None	Soil	444452.1487	5401421.213	Mine-Mill	N: 17.5	N: 17.5	Y: 10.5	N: 7.3	Y: 204	N: 407	Y: 0.32	Y: 0.79	Y: 5920	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSWP08SS-SS	MJ0GK2	None	Soil	444226.9948	5401392.712	Mine-Mill	N: 12.7	N: 16.4	Y: 33.7	N: 5.4	Y: 359	N: 302	Y: 0.26	Y: <0.69	Y: 5960	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSWP10SS-SS	MJ0GK4	None	Soil	444015.9005	5401142.208	Mine-Mill	N: 5.2	N: 97.4	Y: 10.1	N: 4.8	Y: 1610	N: 290	Y: 0.52	Y: <0.69	Y: 3450	Cd, Hg, Pb, Se, Zn	NC	N/A
USEPA2001Mines/Mills	VSWP11SS-SS	MJ0GK5	None	Soil	443963.467	5401335.71	Mine-Mill	N: <4.3	N: 130	Y: 5.5	N: 8.5	N: 7.4	N: 410	N: <0.05	Y: <0.73	Y: 4950	Cd, Se, Zn	NC	N/A
WADNR2008	YAMTailings	YAMTailings	Single	Tailings	423934	5401193	Mine-Mill	Y: 61	nm	Y: 63	Y: 93	Y: 7000	nm	nm	nm	Y: 10000	As, Cd, Cu, Pb, Zn	NC	N/A

Notes:
Blue shading indicates exceedance of the lowest risk-based concentration (RBC).
Italics indicates nondetected result.
^a These RBCs indicate the lowest ecological RBC values; if the total recoverable background threshold value (BTV) was higher than the lowest ecological RBC, the BTV was used as the lowest ecological RBC.
^b Provided in meters Universal Transverse Mercator (UTM) Zone 11N, North American Datum of 1983 (NAD 83).
^c Interpolated zinc exceedances of the lowest ecological RBC from the geostatistical model do not always align with measured zinc exceedances.
um - micrometer(s)
As - arsenic
Ba - barium
Cd - cadmium
COC - chemical of concern
Cu - copper
Hg - mercury
IC - incremental composite
mg/kg - milligram(s) per kilogram
mm - millimeter(s)
Mn - manganese
N - no, not an exceedance of the lowest RBC
N/A - not applicable; either the modeled zinc concentration exceeds the lowest ecological RBC for zinc, zinc was not calculated, or no COCs, including zinc, exceed the lowest ecological RBC
NC - not calculated
nm - not measured
Pb - lead
Se - selenium
Unk - unknown
Y - yes, exceedance of the lowest RBC
Zn - zinc