

Appendix A

Base of Tailings/Impacted Soils Data and
Elevation of Base of Tailings/Impacted Soils and
Groundwater

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-001	731338.42	1142659.90	4759.53	12	4758.53 >	4	4755.53
3-001E	731328.28	1142786.83	4760.94	24	4758.94 >	4	4756.94
3-001E2	20051.00	1142886.80	4761.00	6	4760.50 >	4	4757.00
3-002	731343.57	1142568.58	4759.51	18	4758.01	4	4755.51
3-003	731345.39	1142439.97	4759.29	30	4756.79	4	4755.29
3-004	731351.05	1142307.34	4758.51	18	4757.01	3.5	4755.01
3-005	731356.98	1142182.52	4758.73	36	4755.73	3.5	4755.23
3-006	731362.92	1142057.26	4759.14	24	4757.14 >	4	4755.14
3-007	731368.79	1141933.44	4759.75	18	4758.25 >	4	4755.75
3-008	731373.67	1141802.58	4759.40	6	4758.90	4.5	4754.90
3-009	731379.33	1141696.18	4759.16	12	4758.16 >	4	4755.16
3-010	731383.94	1141571.68	4759.10	36	4756.10	4	4755.10
3-011	731389.00	1141446.04	4759.01	12	4758.01	3.5	4755.51
3-012	731408.656	1142519.923	4759.378	60	4754.38 >	4	4755.38
3-013	731383.44	1141325.91	4757.68	24	4755.68	3	4754.68
3-013W	731391.24	1141232.69	4760.27	6	4759.77 >	3	4757.27
3-014	731457.90	1142700.41	4758.53	24	4756.53 >	4	4754.53
3-014E	731460.48	1142782.85	4760.15	42	4756.65 >	2	4758.15
3-014E2	731449.35	1142880.54	4759.97	24	4757.97 >	4	4755.97
3-014E3	731454.36	1142959.00	4760.29	24	4758.29 >	4	4756.29
3-015	731465.00	1142575.84	4759.40	12	4758.40 >	4	4755.40
3-016	731471.16	1142444.23	4758.65	12	4757.65	4	4754.65
3-017	731475.20	1142325.87	4758.50	6	4758.00	5	4753.50
3-018	731474.57	1142201.64	4757.19	54	4752.69	4.5	4752.69
3-019	731475.57	1142068.69	4757.48	60	4752.48	3.5	4753.98
3-020	12470.00	1141961.17	4757.22	60	4752.22	4	4753.22
3-021	731498.64	1141826.34	4757.87	36	4754.87	4.2	4753.67
3-022	731502.26	1141701.55	4758.55	12	4757.55	4	4754.55
3-023	731508.09	1141575.96	4758.24	6	4757.74	3	4755.24
3-024	731513.85	1141451.83	4758.18	6	4757.68	3	4755.18
3-025	731519.90	1141328.34	4758.03	12	4757.03	3	4755.03
3-025W	731532.84	1141228.65	4757.86	6	4757.36	2.5	4755.36
3-026	731561.61	1142218.47	4758.14	60	4753.14	4	4754.14
3-026N	731626.62	1142145.46	4757.97	18	4756.47 >	4	4753.97
3-026N2	731729.12	1142072.15	4758.15	6	4757.65 >	2	4756.15
3-027	731583.76	1142705.93	4758.03	48	4754.03	4	4754.03
3-027E	20043.00	1142831.49	4757.78	12	4756.78 >	3	4754.78
3-027E2	731564.53	1142966.68	4759.15	18	4757.65 >	4	4755.15
3-028	731589.67	1142580.90	4758.53	18	4757.03	4	4754.53
3-029	731591.60	1142456.74	4758.61	12	4757.61	4	4754.61
3-030	731600.12	1142331.59	4758.15	18	4756.65	3.5	4754.65
3-031	731616.575	1141957.296	4757.132	60	4752.13	4	4753.13
3-032	731621.77	1141832.68	4756.51	48	4752.51	4	4752.51
3-033	731627.78	1141706.63	4757.04	12	4756.04	3.5	4753.54
3-034	731633.55	1141582.04	4756.26	12	4755.26	3.5	4752.76
3-035	731641.15	1141453.84	4757.38	24	4755.38	3	4754.38
3-035W	731700.77	1141344.93	4757.61	6	4757.11	2.5	4755.11
3-036	731712.45	1142712.30	4758.63	36	4755.63	3.5	4755.13
3-036E	20044.00	1142793.60	4757.86	60	4752.86	5	4752.86
3-036E2	731688.05	1142978.34	4758.54	18	4757.04 >	3	4755.54
3-037	731718.34	1142585.20	4758.20	48	4754.20	4	4754.20
3-038	731720.07	1142461.45	4758.45	24	4756.45	4.5	4753.95
3-039	731726.33	1142334.79	4757.16	60	4752.16	3.5	4753.66
3-039N	731769.24	1142277.00	4758.90	6	4758.40 >	4	4754.90
3-040	12472.00	1141962.33	4756.75	42	4753.25	4	4752.75

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-041	731756.35	1141731.41	4756.40	12	4755.40	3.5	4752.90
3-042	731759.32	1141627.42	4757.27	18	4755.77	4	4753.27
3-043	731775.20	1141479.00	4757.08	12	4756.08	3.5	4753.58
3-045	731839.55	1142592.09	4757.28	72	4751.28	4	4753.28
3-045E	20045.00	1142706.66	4758.25	12	4757.25 >	4	4754.25
3-045E2	731815.61	1142994.03	4757.61	18	4756.11 >	4	4753.61
3-045N	731912.91	1142580.63	4758.41	6	4757.91 >	4	4754.41
3-045N2	732029.97	1142529.53	4757.57	0	4757.57 >	4	4753.57
3-046	731845.00	1142467.06	4758.54	18	4757.04 >	4	4754.54
3-047	731863.40	1141581.24	4755.99	12	4754.99	3.5	4752.49
3-048	12474.00	1141967.46	4757.72	12	4756.72 >	4	4753.72
3-049	12473.00	1141838.03	4755.10	48	4751.10	3.5	4751.60
3-050	731878.56	1141717.58	4757.03	24	4755.03	3.5	4753.53
3-051	731863.12	1141471.81	4757.32	30	4754.82	3.5	4753.82
3-051W	731913.90	1141356.59	4758.11	6	4757.61 >	2	4756.11
3-052	12477.00	1142097.81	4756.42	12	4755.42 >	4	4752.42
3-053	12476.00	1141973.44	4755.09	60	4750.09	4	4751.09
3-054	12475.00	1141848.41	4756.00	48	4752.00 >	4	4752.00
3-055	732002.25	1141724.03	4755.74	30	4753.24	4.2	4751.54
3-056	732002.88	1141433.86	4757.46	6	4756.96	4	4753.46
3-057	732008.10	1141598.41	4756.49	6	4755.99	3.5	4752.99
3-058	12484.00	1142343.01	4755.49	42	4751.99	4	4751.49
3-058E	12483.00	1142481.88	4757.06	6	4756.56 >	4	4753.06
3-058S	731982.55	1142404.37	4757.43	6	4756.93	6	4751.43
3-059	12482.00	1142227.99	4754.50	48	4750.50	4	4750.50
3-060	12481.00	1142101.76	4755.86	60	4750.86	5	4750.86
3-061	12480.00	1141978.36	4755.13	48	4751.13	4	4751.13
3-062	12479.00	1141853.34	4755.91	24	4753.91 >	4	4751.91
3-063	12478.00	1141770.44	4754.62	48	4750.62	4	4750.62
3-064	732132.62	1141604.15	4756.19	12	4755.19	3	4753.19
3-065	732137.70	1141464.57	4756.11	18	4754.61	4	4752.11
3-065W	732152.42	1141342.71	4757.13	6	4756.63 >	2	4755.13
3-066	732219.50	1142483.82	4754.78	48	4750.78	4	4750.78
3-066E	732219.46	1142594.74	4756.09	12	4755.09 >	4	4752.09
3-067	732223.69	1142357.25	4754.58	48	4750.58	4	4750.58
3-068	732230.60	1142234.69	4754.46	36	4751.46	4	4750.46
3-069	732235.74	1142109.32	4754.41	48	4750.41	4	4750.41
3-070	732240.87	1141984.25	4755.38	24	4753.38	4	4751.38
3-071	732246.43	1141859.33	4754.76	24	4752.76	3.5	4751.26
3-072	732280.07	1141772.38	4755.40	48	4751.40	4	4751.40
3-073	732289.43	1141585.91	4755.30	30	4752.80	3	4752.30
3-073W	732359.21	1141481.47	4756.63	6	4756.13	4	4752.63
3-074	732340.49	1142613.71	4753.91	48	4749.91	4	4749.91
3-074E	732336.57	1142720.05	4755.89	12	4754.89 >	4	4751.89
3-075	732344.18	1142481.18	4754.68	48	4750.68	3.5	4751.18
3-076	732330.38	1141780.00	4753.58	30	4751.08	1	4752.58
3-077	732345.56	1141872.94	4755.34	30	4752.84 >	4	4751.34
3-078	732350.00	1142364.69	4754.24	24	4752.24	4	4750.24
3-079	732356.23	1142240.17	4754.05	30	4751.55	4	4750.05
3-080	732361.21	1142113.51	4755.01	24	4753.01 >	4	4751.01
3-081	732366.25	1141988.01	4755.37	18	4753.87 >	4	4751.37
3-082	732386.44	1141691.12	4755.30	42	4751.80	4.2	4751.10
3-083	732462.75	1142627.38	4753.70	48	4749.70	4	4749.70
3-083E	732460.43	1142740.03	4755.03	6	4754.53 >	4	4751.03
3-084	732470.48	1142494.24	4754.32	36	4751.32 >	4	4750.32

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-085	732470.87	1142364.10	4754.09	48	4750.09	3	4751.09
3-086	732479.22	1142246.87	4753.76	24	4751.76	3	4750.76
3-087	732485.16	1142120.60	4754.13	54	4749.63	4	4750.13
3-088	20047.00	1142017.79	4754.43	60	4749.43	3	4751.43
3-089	732498.07	1141863.41	4755.29	18	4753.79	4.2	4751.09
3-090	732501.66	1141744.64	4754.69	18	4753.19	4.2	4750.49
3-091	732507.15	1141620.27	4755.13	6	4754.63	4	4751.13
3-092	732594.06	1142499.90	4753.76	48	4749.76	3.5	4750.26
3-092E	732605.10	1142618.17	4754.52	0	4754.52	4	4750.52
3-093	732599.76	1142375.20	4753.80	60	4748.80	3.5	4750.30
3-094	732605.22	1142249.40	4753.94	72	4747.94	5	4748.94
3-095	732610.37	1142125.15	4753.98	48	4749.98	4	4749.98
3-096	732615.87	1142000.62	4754.55	48	4750.55	5	4749.55
3-097	732621.60	1141875.61	4754.38	24	4752.38	4	4750.38
3-098	732626.77	1141750.79	4753.72	12	4752.72	3.9	4749.82
3-099	732622.11	1141484.83	4754.52	18	4753.02	3	4751.52
3-099S	732502.83	1141446.55	4755.79	6	4755.29	2.5	4753.29
3-100	20040.00	1141624.86	4753.32	18	4751.82	3.9	4749.42
3-101	732719.36	1142505.16	4753.82	30	4751.32	4	4749.82
3-101E	732709.79	1142629.77	4754.07	12	4753.07	2	4752.07
3-102	732723.85	1142380.21	4753.52	24	4751.52	4	4749.52
3-103	732731.10	1142255.30	4753.66	42	4750.16	4	4749.66
3-104	732737.41	1142109.27	4753.11	24	4751.11	3.8	4749.31
3-105	732753.32	1141992.75	4752.54	24	4750.54	1.5	4751.04
3-106	732746.33	1141880.65	4753.83	12	4752.83	4	4749.83
3-107	732752.22	1141755.18	4753.48	24	4751.48	3.5	4749.98
3-108	732754.87	1141496.86	4754.29	18	4752.79	4	4750.29
3-108W	732807.81	1141345.08	4754.92	0	4754.92	2.5	4752.42
3-109	732757.26	1141630.51	4753.67	18	4752.17	3.5	4750.17
3-110	732843.95	1142511.04	4752.95	24	4750.95	4	4748.95
3-110E	732806.50	1142630.92	4753.82	6	4753.32	NO	
3-111	732841.92	1142386.39	4752.58	24	4750.58	3.5	4749.08
3-112	732854.67	1142260.74	4752.90	24	4750.90	4	4748.90
3-113	732855.03	1142139.89	4752.69	54	4748.19	3	4749.69
3-114	732867.50	1141997.60	4753.32	30	4750.82	4.2	4749.12
3-115	732871.42	1141886.34	4753.41	12	4752.41	4.2	4749.21
3-116	732877.05	1141761.89	4753.63	24	4751.63	3.9	4749.73
3-117	732890.35	1141475.78	4753.97	24	4751.97	3	4750.97
3-117W	732926.60	1141384.11	4754.42	6	4753.92	2.5	4751.92
3-118	20041.00	1141636.91	4753.01	42	4749.51	4	4749.01
3-119	732969.16	1142519.86	4752.01	6	4751.51	4	4748.01
3-120	732982.17	1142392.16	4753.18	12	4752.18	4	4749.18
3-121	732979.92	1142266.60	4752.28	18	4750.78	3	4749.28
3-122	732984.12	1142200.25	4752.31	60	4747.31	3	4749.31
3-123	732990.25	1142016.50	4752.82	30	4750.32	3.9	4748.92
3-124	732995.95	1141891.62	4752.78	36	4749.78	4.5	4748.28
3-125	733001.63	1141767.08	4752.86	24	4750.86	3.8	4749.06
3-126	733005.13	1141506.74	4753.35	12	4752.35	3	4750.35
3-126W	733019.99	1141433.72	4755.86	0	4755.86	2.5	4753.36
3-127	733046.18	1141643.42	4753.41	12	4752.41	3	4750.41
3-128	733090.11	1142520.54	4752.60	12	4751.60	4	4748.60
3-129	733111.19	1142396.13	4751.42	12	4750.42	2	4749.42
3-130	733106.08	1142272.77	4751.35	12	4750.35	2.5	4748.85
3-131	733124.32	1141727.05	4753.07	12	4752.07	3.5	4749.57
3-131W	733162.72	1141609.94	4754.31	6	4753.81	2.5	4751.81

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-131W2	733186.36	1141487.86	4756.58		4756.58	NO	
3-132	733111.59	1142122.79	4752.23	54	4747.73	3.9	4748.33
3-133	733114.15	1142021.49	4753.45	48	4749.45	4.2	4749.25
3-134	733150.79	1141877.52	4752.36	24	4750.36	4.1	4748.26
3-135	733192.05	1142529.16	4752.66	6	4752.16	4	4748.66
3-136	733209.01	1142779.96	4750.96	30	4748.46	4.5	4746.46
3-136S	733053.19	1142804.31	4751.80	6	4751.30	NO	
3-136S2	732957.56	1142745.89	4752.92	6	4752.42	3	4749.92
3-136SE	733026.83	1142925.80	4752.77	6	4752.27	NO	
3-137	733212.95	1142652.71	4750.68	18	4749.18	4	4746.68
3-137S	733101.65	1142692.60	4751.67	12	4750.67	4	4747.67
3-137S2	732988.08	1142647.24	4752.50	6	4752.00	NO	
3-138	733214.77	1141879.75	4752.50	30	4750.00	4	4748.50
3-138W	733255.10	1141760.64	4752.94	6	4752.44	3.5	4749.44
3-138W2	733256.57	1141638.35	4753.32	6	4752.82	2.5	4750.82
3-138w3	733239.90	1141509.98	4756.38	0	4756.38	NO	
3-139	733223.84	1142402.97	4750.82	24	4748.82	3	4747.82
3-140	733229.14	1142275.40	4751.73	48	4747.73	3	4748.73
3-141	733233.46	1142152.23	4752.69	48	4748.69	3	4749.69
3-142	733239.25	1142052.16	4751.56	54	4747.06	3	4748.56
3-143	733287.68	1141931.61	4752.32	24	4750.32	3.5	4748.82
3-143W	733317.30	1141808.73	4753.12	6	4752.62	3	4750.12
3-143W2	733327.80	1141687.90	4753.23	12	4752.23	2.5	4750.73
3-143W3	733334.65	1141561.84	4753.74	6	4753.24	2	4751.74
3-143W4	733349.76	1141439.17	4755.50	0	4755.50	NO	
3-144	733308.88	1142222.32	4752.12	48	4748.12	3	4749.12
3-145	733323.84	1142906.80	4750.43	18	4748.93	3	4747.43
3-145E	733332.84	1143021.04	4750.94	6	4750.44	NO	
3-145S	733208.83	1142872.68	4750.72	24	4748.72	4	4746.72
3-145SE	733198.24	1143002.22	4751.38	6	4750.88	NO	
3-146	733331.41	1142792.75	4750.33	12	4749.33	3.5	4746.83
3-147	733337.08	1142657.72	4750.05	42	4746.55	3.5	4746.55
3-148	733343.45	1142532.19	4751.47	30	4748.97	4	4747.47
3-149	733348.61	1142408.01	4751.48	36	4748.48	4.5	4746.98
3-150	733355.28	1142282.11	4752.10	72	4746.10	4	4748.10
3-151	733350.43	1142175.11	4752.07	24	4750.07	2.5	4749.57
3-152	20042.00	1141996.90	4751.77	24	4749.77	4	4747.77
3-153	733359.93	1141889.73	4752.02	24	4750.02	3.5	4748.52
3-153W	733376.12	1141763.11	4753.08	6	4752.58	3	4750.08
3-153W2	733386.23	1141640.77	4753.29	6	4752.79	NO	
3-154	733452.37	1142912.75	4749.76			NO	
3-155	733454.96	1142783.61	4749.74	18	4748.24	4	4745.74
3-156	733463.00	1142663.24	4748.16	24	4746.16	2.5	4745.66
3-157	733468.51	1142538.03	4750.65	48	4746.65	4	4746.65
3-158	733475.93	1142412.39	4749.78	30	4747.28	3	4746.78
3-159	733478.90	1142287.87	4751.22	24	4749.22	3.5	4747.72
3-160	733484.55	1142163.58	4752.11	18	4750.61	4	4748.11
3-161	733489.79	1142038.44	4751.90	12	4750.90	3	4748.90
3-162	733495.55	1141912.28	4751.91	30	4749.41	3.5	4748.41
3-163	733500.37	1141789.25	4752.28	6	4751.78	4	4748.28
3-163W	733487.35	1141742.57	4752.50	0	4752.50	2.5	4750.00
3-163W2	733476.98	1141670.18	4752.84	6	4752.34	2	4750.84
3-163W3	733464.70	1141543.42	4752.92	6	4752.42	2	4750.92
3-163W4	733452.143	1141422.83	4755.03	0	4755.03	NO	
3-164	733542.16	1142509.86	4750.29	78	4743.79	5	4745.29

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-164W4	733452.14	1141422.83	4755.03				4755.03
3-165	733564.11	1143166.63	4749.56	18	4748.06	5	4744.56
3-166	733571.98	1143043.25	4747.30	12	4746.30	3	4744.30
3-166S	733453.34	1142939.06	4749.15	12	4748.15	NO	
3-167	733570.70	1142020.95	4751.87	24	4749.87	3	4748.87
3-168	733576.64	1142918.90	4748.52	24	4746.52	3.5	4745.02
3-169	733582.82	1142786.57	4750.17	36	4747.17	5	4745.17
3-170	733588.86	1142666.65	4750.87	30	4748.37	4	4746.87
3-171	733597.88	1142419.64	4750.36	36	4747.36	4.5	4745.86
3-172	733604.17	1142293.94	4751.37	18	4749.87	4	4747.37
3-173	733609.28	1142169.30	4750.84	6	4750.34	4	4746.84
3-174	733617.37	1142043.18	4751.54	24	4749.54	3	4748.54
3-175	733619.84	1141918.70	4751.19	24	4749.19	4.5	4746.69
3-176	733639.47	1141796.90	4751.90	30	4749.40	3	4748.90
3-177	733666.69	1142792.00	4750.71	24	4748.71	4.5	4746.21
3-178	733689.68	1141736.99	4751.89	24	4749.89	3.5	4748.39
3-178W	733688.77	1141688.84	4753.31	0	4753.31	2	4751.31
3-179	733685.94	1143175.28	4748.30	48	4744.30	4	4744.30
3-180	733696.05	1143048.74	4749.66	24	4747.66	4	4745.66
3-181	733702.03	1142923.78	4748.42	48	4744.42	4	4744.42
3-182	733713.29	1142673.35	4750.01	60	4745.01	3.5	4746.51
3-183	733718.25	1142048.79	4751.09	24	4749.09	3.5	4747.59
3-184	733720.28	1142548.38	4751.10	48	4747.10	NO	
3-185	733724.68	1142394.53	4749.82	60	4744.82	4	4745.82
3-186	733729.08	1142299.13	4750.42	24	4748.42	4.5	4745.92
3-187	733734.58	1142174.28	4752.01	30	4749.51	4	4748.01
3-188	733663.41	1143449.69	4749.28	6	4748.78	NO	
3-189	733745.21	1141925.26	4751.47	24	4749.47	3.5	4747.97
3-190	733750.34	1141798.51	4751.32	18	4749.82	3.5	4747.82
3-191	733762.52	1143584.09	4746.94	30	4744.44	5	4741.94
3-191S	733643.54	1143602.14	4747.28	12	4746.28	3	4744.28
3-192	733775.52	1143676.02	4747.48	18	4745.98	4	4743.48
3-192S	733659.47	1143720.41	4747.14	12	4746.14	NO	
3-193	733814.55	1141742.79	4751.95	12	4750.95	3.5	4748.45
3-193W	733830.44	1141673.41	4752.37	6	4751.87	2.5	4749.87
3-193W2	733851.24	1141601.89	4753.24	0	4753.24	NO	
3-194	733815.71	1143178.81	4747.60	48	4743.60	4.5	4743.10
3-195	733821.35	1143053.68	4748.46	60	4743.46	5	4743.46
3-196	733826.24	1142928.81	4749.85	54	4745.35	7.5	4742.35
3-197	733832.22	1142803.85	4750.16	42	4746.66	4	4746.16
3-199	733841.59	1142736.20	4749.09	54	4744.59	4.5	4744.59
3-200	733856.74	1142549.15	4749.15	60	4744.15	2.5	4746.65
3-201	733848.43	1142387.11	4750.70	30	4748.20	5	4745.70
3-202	733850.51	1142304.45	4751.04	24	4749.04	4	4747.04
3-203	733859.42	1142179.35	4750.92	18	4749.42	3.5	4747.42
3-204	733864.68	1142055.11	4751.06	24	4749.06	4	4747.06
3-205	733865.16	1141929.41	4750.97	24	4748.97	3.5	4747.47
3-206	733873.92	1143281.84	4748.00	36	4745.00	6	4742.00
3-207	733874.27	1141804.69	4751.18	24	4749.18	3.5	4747.68
3-207W	733895.67	1141684.31	4752.59	30	4750.09	2.5	4750.09
3-207W2	20046.00	1141610.91	4752.63	0	4752.63	NO	
3-208	733881.54	1143430.59	4746.75	30	4744.25	3	4743.75
3-210	733896.77	1144180.60	4746.30	6	4745.80	4	4742.30
3-211	733906.33	1143934.52	4747.62	6	4747.12	4	4743.62
3-212	733908.59	1143813.96	4746.32	18	4744.82	4	4742.32

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-212S	733775.64	1143793.83	4747.24	12	4746.24	NO	
3-214	733916.17	1144059.80	4746.92	0	4746.92	3.5	4743.42
3-215	733940.94	1143184.54	4747.84	48	4743.84	4.5	4743.34
3-216	733946.28	1143059.47	4749.08	24	4747.08	4	4745.08
3-217	733950.41	1142935.60	4749.22	84	4742.22	4.5	4744.72
3-218	733957.14	1142810.52	4749.96	48	4745.96	4	4745.96
3-219	733962.31	1142684.65	4750.08	48	4746.08	4.5	4745.58
3-220	733964.97	1141809.82	4751.29	24	4749.29	3.5	4747.79
3-221	733966.50	1142558.86	4749.66	24	4747.66	4.5	4745.16
3-222	733972.51	1143448.56	4746.68	30	4744.18	3	4743.68
3-223	733973.36	1142435.00	4750.37	48	4746.37	4	4746.37
3-224	733975.21	1143291.00	4748.08	60	4743.08	4	4744.08
3-225	733979.72	1142347.94	4750.06	48	4746.06	4.5	4745.56
3-226	733984.04	1142184.79	4750.04	36	4747.04	4.5	4745.54
3-227	733989.45	1142060.10	4749.67	6	4749.17	3.5	4746.17
3-228	733995.01	1141935.55	4750.65	18	4749.15	4	4746.65
3-228W	734024.12	1141814.10	4752.74	0	4752.74	3	4749.74
3-230	734020.58	1144191.54	4747.39	0	4747.39	4.5	4742.89
3-231	734027.29	1144064.21	4746.77	12	4745.77	4	4742.77
3-232	734031.44	1143940.96	4746.47	30	4743.97	4	4742.47
3-233	734038.58	1143812.24	4745.98	48	4741.98	3.5	4742.48
3-234	734043.36	1143685.78	4746.00	18	4744.50	4	4742.00
3-235	734049.12	1143563.57	4746.58	24	4744.58	4	4742.58
3-236	734054.12	1143440.23	4745.35	24	4743.35	3	4742.35
3-237	734063.42	1143293.87	4747.86	60	4742.86	5.5	4742.36
3-238	734064.53	1143189.24	4748.29	24	4746.29	4	4744.29
3-239	734071.37	1143065.20	4748.76	18	4747.26	4	4744.76
3-240	734074.71	1142295.27	4749.89	54	4745.39	3.5	4746.39
3-241	734075.82	1142940.05	4749.53	24	4747.53	4	4745.53
3-242	734081.52	1142815.55	4749.67	18	4748.17	4	4745.67
3-243	734083.70	1142688.08	4748.58	84	4741.58	3.5	4745.08
3-244	734092.72	1142565.28	4748.59	18	4747.09	4	4744.59
3-245	734097.23	1142443.06	4749.78	30	4747.28	4.5	4745.28
3-246	734109.05	1142190.62	4749.80	48	4745.80	3	4746.80
3-247	734121.04	1142062.57	4749.59	12	4748.59	3.5	4746.09
3-248	734119.82	1141940.92	4749.52	6	4749.02	3	4746.52
3-252	734152.59	1144069.10	4746.74	0	4746.74	4	4742.74
3-253	734160.57	1143943.43	4746.10	48	4742.10	4	4742.10
3-254	734159.26	1143819.54	4746.03	30	4743.53	3.5	4742.53
3-255	734168.35	1143694.22	4745.52	18	4744.02	2.5	4743.02
3-256	734174.44	1143570.40	4745.80	12	4744.80	4	4741.80
3-257	734178.46	1143446.95	4745.74	42	4742.24	3	4742.74
3-258	734185.21	1143320.16	4747.86	60	4742.86	6	4741.86
3-259	734190.65	1143195.46	4747.55	48	4743.55	4.5	4743.05
3-260	734196.21	1143077.65	4747.93	84	4740.93	4	4743.93
3-261	734204.49	1142945.22	4748.20	54	4743.70	4.5	4743.70
3-262	734204.74	1142820.82	4748.94	30	4746.44	4.5	4744.44
3-263	734194.78	1142707.92	4748.07	48	4744.07	4	4744.07
3-264	20048.00	1142571.01	4747.93	48	4743.93	4	4743.93
3-265	734223.05	1142446.14	4748.82	42	4745.32	4	4744.82
3-266	734228.22	1142360.05	4748.77	24	4746.77	3	4745.77
3-267	734235.63	1142217.34	4749.09	36	4746.09	3	4746.09
3-268	734239.34	1142071.23	4749.25	6	4748.75	3.5	4745.75
3-269	734245.29	1141946.35	4749.42	6	4748.92	3	4746.42
3-273	734275.42	1144086.15	4746.37	6	4745.87	4	4742.37

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-274	734283.43	1143948.74	4745.37	60	4740.37	4	4741.37
3-275	734288.46	1143824.54	4745.43	48	4741.43	4	4741.43
3-276	734294.38	1143699.76	4745.49	36	4742.49	3	4742.49
3-277	734298.55	1143576.92	4745.57	18	4744.07	4	4741.57
3-278	734301.30	1143471.80	4745.16	24	4743.16	3.5	4741.66
3-279	734310.08	1143325.43	4747.19	42	4743.69	5	4742.19
3-280	734315.30	1143200.05	4747.41	12	4746.41	4.5	4742.91
3-281	734321.32	1143079.03	4747.64	30	4745.14	6	4741.64
3-281N	734456.54	1143054.27	4748.27	0	4748.27	> 2	4746.27
3-282	734326.43	1142950.46	4748.08	48	4744.08	4.5	4743.58
3-282N	734452.87	1142960.35	4747.90	6	4747.40	> 4	4743.90
3-283	734331.64	1142826.13	4748.87	48	4744.87	5	4743.87
3-283N	734409.78	1142815.81	4747.72	12	4746.72	3.5	4744.22
3-284	734336.54	1142700.90	4748.96	30	4746.46	4.5	4744.46
3-285	734342.68	1142576.31	4747.34	36	4744.34	4	4743.34
3-286	734348.51	1142450.83	4747.92	12	4746.92	3.5	4744.42
3-287	734353.15	1142326.50	4747.14	36	4744.14	3	4744.14
3-288	734358.36	1142202.65	4748.16	24	4746.16	3.5	4744.66
3-289	734364.18	1142077.01	4748.47	24	4746.47	3.5	4744.97
3-289W	734425.27	1141997.94	4750.55	0	4750.55	> 3	4747.55
3-292	734396.53	1144205.90	4744.81	6	4744.31	4	4740.81
3-293	734400.89	1144078.98	4745.84	18	4744.34	NO	
3-294	734406.07	1143709.28	4744.16	60	4739.16	3.5	4740.66
3-295	734423.31	1143492.54	4744.87	30	4742.37	3.5	4741.37
3-296	734430.59	1143337.16	4747.52	48	4743.52	4.5	4743.02
3-296N	734548.46	1143340.05	4746.62	0	4746.62	5	4741.62
3-297	734439.95	1143206.03	4747.24	18	4745.74	5	4742.24
3-297N	734564.02	1143180.97	4746.88	6	4746.38	> 2	4744.88
3-298	734445.70	1143953.61	4745.55	12	4744.55	NO	
3-299	734459.83	1143834.81	4745.46	60	4740.46	4	4741.46
3-300	734460.62	1142707.07	4747.55	42	4744.05	4	4743.55
3-301	734460.73	1143612.88	4744.99	48	4740.99	3	4741.99
3-302	734467.61	1142581.73	4746.99	30	4744.49	1.5	4745.49
3-303	734473.04	1142456.85	4747.17	24	4745.17	3	4744.17
3-304	734480.16	1142328.97	4747.16	48	4743.16	2.5	4744.66
3-305	734483.84	1142206.77	4748.34	6	4747.84	4.5	4743.84
3-309	734518.44	1144212.89	4744.35	12	4743.35	4	4740.35
3-310	734527.29	1144085.94	4743.86	30	4741.36	4	4739.86
3-311	734531.91	1143960.40	4743.87	30	4741.37	4	4739.87
3-312	734532.65	1143835.67	4744.19	30	4741.69	4	4740.19
3-313	734542.21	1143712.03	4744.96	36	4741.96	4	4740.96
3-314	734548.88	1143585.77	4744.54	48	4740.54	3.5	4741.04
3-315	734584.85	1142711.13	4746.90	30	4744.40	5	4741.90
3-315E	734568.80	1142833.69	4746.34	24	4744.34	4	4742.34
3-315E2	734543.51	1142928.88	4747.60	6	4747.10	> 2	4745.60
3-316	734597.70	1142462.41	4748.48	6	4747.98	> 4	4744.48
3-317	734603.30	1142337.94	4747.05	6	4746.55	2.5	4744.55
3-318	734608.49	1142211.67	4747.30	6	4746.80	2	4745.30
3-321	734641.15	1144341.17	4744.19	6	4743.69	4	4740.19
3-322	734646.49	1144215.49	4742.51	30	4740.01	4	4738.51
3-323	734663.78	1143521.51	4745.93	24	4743.93	4	4741.93
3-324	734650.88	1144092.12	4743.96	24	4741.96	3.5	4740.46
3-325	734657.33	1143967.05	4743.88	18	4742.38	3	4740.88
3-326	734652.69	1143612.03	4744.06	48	4740.06	3	4741.06
3-327	734662.46	1143841.00	4744.00	24	4742.00	4	4740.00

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-328	734667.83	1143716.92	4743.64	30	4741.14	3	4740.64
3-329	734706.20	1142843.14	4746.16	60	4741.16	4	4742.16
3-329E	734677.74	1142974.10	4747.07	30	4744.57	4.5	4742.57
3-329E2	734658.46	1143096.35	4746.53	0	4746.53	5	4741.53
3-329W	734721.34	1142726.45	4746.28	18	4744.78	3.5	4742.78
3-330	734717.03	1142592.35	4746.57	24	4744.57	3.5	4743.07
3-331	734722.07	1142467.54	4746.71	12	4745.71	3.5	4743.21
3-332	734727.99	1142342.76	4747.09	12	4746.09	3.5	4743.59
3-333	734732.93	1142217.32	4746.75	12	4745.75	3	4743.75
3-333W	734730.41	1142119.96	4748.83	0	4748.83	2	4746.83
3-334	734758.30	1143636.69	4744.51	30	4742.01	4.5	4740.01
3-335	734759.67	1144470.63	4743.08	12	4742.08	4	4739.08
3-336	734761.56	1144378.91	4743.61	12	4742.61	4	4739.61
3-337	734771.68	1144220.74	4742.85	60	4737.85	4	4738.85
3-338	734781.74	1143544.37	4744.52	18	4743.02	4	4740.52
3-339	734779.10	1144099.51	4744.16	36	4741.16	4.5	4739.66
3-340	734783.63	1143966.13	4743.35	30	4740.85	4	4739.35
3-341	734786.98	1143847.24	4743.22	48	4739.22	4	4739.22
3-342	734796.25	1143700.67	4744.00	30	4741.50	4	4740.00
3-343	734831.41	1142847.68	4746.52	18	4745.02	3	4743.52
3-343E	734824.56	1142967.72	4746.75	24	4744.75	2	4744.75
3-343E2	734816.70	1143093.51	4745.63	6	4745.13	2	4743.63
3-343W	734847.10	1142747.02	4746.36	12	4745.36	2	4744.36
3-344	734841.60	1142597.75	4746.33	18	4744.83	4	4742.33
3-345	734847.81	1142472.73	4746.70	24	4744.70	3.5	4743.20
3-346	734848.70	1142304.30	4747.47	18	4745.97	4.5	4742.97
3-347	734857.70	1142223.70	4746.83	12	4745.83	3.5	4743.33
3-348	734891.93	1144352.78	4743.53	18	4742.03	NO	
3-348E	734941.73	1144465.01	4743.10	18	4741.60	4	4739.10
3-348E2	734997.03	1144575.51	4742.65	12	4741.65	2	4740.65
3-349	734896.28	1144226.67	4742.43	48	4738.43	3.5	4738.93
3-350	734898.18	1143900.54	4743.35	48	4739.35	3	4740.35
3-351	734901.47	1144102.15	4743.29	48	4739.29	4	4739.29
3-352	734915.05	1143998.59	4743.40	30	4740.90	3.5	4739.90
3-353	734918.33	1143727.28	4744.29	24	4742.29	4	4740.29
3-353W	734966.99	1143614.65	4744.13	12	4743.13	2	4742.13
3-354	734950.39	1142980.78	4746.09	12	4745.09	4	4742.09
3-355	734966.84	1142604.33	4746.62	12	4745.62	4	4742.62
3-356	734967.80	1143865.93	4743.44	36	4740.44	3.5	4739.94
3-357	734972.32	1142478.88	4747.82	6	4747.32	4.5	4743.32
3-358	734977.45	1142354.10	4746.02	12	4745.02	3	4743.02
3-358N	735093.10	1142376.09	4745.72	6	4745.22	2	4743.72
3-358W	734988.52	1142232.16	4746.56	6	4746.06	2	4744.56
3-358W2	735026.75	1142113.83	4746.76	6	4746.26	2	4744.76
3-359	734987.26	1144092.33	4743.16	24	4741.16	4	4739.16
3-360	735020.85	1144257.15	4742.56	18	4741.06	4	4738.56
3-360E	735065.52	1144374.73	4742.78	12	4741.78	4	4738.78
3-361	735017.83	1143983.09	4743.34	42	4739.84	4.5	4738.84
3-362	735056.91	1143889.36	4742.71	42	4739.21	4	4738.71
3-363	735075.48	1142983.59	4745.30	48	4741.30	4	4741.30
3-363E	735061.11	1143108.31	4745.40	6	4744.90	4	4741.40
3-363W	735079.79	1142865.01	4745.31	24	4743.31	3	4742.31
3-364	735091.80	1142610.11	4746.93	0	4746.93	4	4742.93
3-365	735097.48	1142484.91	4747.12	6	4746.62	4.5	4742.62
3-366	735132.46	1143914.46	4741.90	60	4736.90	4	4737.90

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-367	735144.84	1144237.26	4742.53	24	4740.53	4	4738.53
3-368	735146.01	1143768.11	4743.07	24	4741.07	4	4739.07
3-368W	735168.79	1143646.38	4743.28	12	4742.28	2	4741.28
3-368W2	20049.00	1143608.03	4742.78	12	4741.78	2	4740.78
3-369	735151.54	1144112.17	4742.20	24	4740.20	4	4738.20
3-370	735200.73	1142989.00	4746.46	36	4743.46	4.5	4741.96
3-370E	735167.48	1143119.20	4745.37	6	4744.87	3	4742.37
3-370N	735321.91	1143031.19	4743.90	6	4743.40	3	4740.90
3-371	735205.56	1142864.16	4745.01	48	4741.01	4	4741.01
3-371N	735333.77	1142889.06	4745.08	6	4744.58	3.5	4741.58
3-372	735211.22	1142738.81	4745.70	48	4741.70	NO	
3-372N	735322.15	1142794.29	4744.68	6	4744.18	3.5	4741.18
3-373	735222.20	1144030.02	4742.20	48	4738.20	3.5	4738.70
3-374	735223.17	1142489.91	4746.24	0	4746.24	4	4742.24
3-375	735241.62	1143918.16	4742.07	42	4738.57	3.5	4738.57
3-376	735265.69	1144367.92	4741.80	36	4738.80	3	4738.80
3-376E	735287.49	1144492.90	4741.75	24	4739.75	4	4737.75
3-376E2	735310.34	1144612.93	4742.33	24	4740.33	NO	
3-376S	735141.59	1144385.18	4742.74	18	4741.24	4	4738.74
3-376SE	735163.62	1144506.87	4742.45	12	4741.45	NO	
3-376SE2	735184.36	1144634.31	4742.47	6	4741.97	NO	
3-377	735274.34	1142618.23	4745.10	18	4743.60	3	4742.10
3-377E	735358.02	1142689.58	4745.06	12	4744.06	3	4742.06
3-377N	735388.23	1142604.11	4744.53	18	4743.03	3.5	4741.03
3-378	735270.34	1144242.88	4742.04	24	4740.04	4	4738.04
3-379	735275.53	1144119.15	4740.98	30	4738.48	3.5	4737.48
3-380	735287.01	1143868.87	4742.42	30	4739.92	4	4738.42
3-380W	735328.33	1143749.94	4742.84	12	4741.84	4.5	4738.34
3-380W2	735342.45	1143636.31	4742.29	18	4740.79	3.5	4738.79
3-381	735314.69	1142453.82	4744.88	18	4743.38	3	4741.88
3-381W	735329.77	1142356.59	4745.87	6	4745.37	2	4743.87
3-382	735372.78	1143944.36	4741.94	30	4739.44	5	4736.94
3-383	735399.73	1143999.20	4741.56	18	4740.06	4	4737.56
3-384	735387.39	1142504.17	4745.39	36	4742.39	3	4742.39
3-385	735389.98	1144373.95	4742.10	18	4740.60	3.5	4738.60
3-386	735396.11	1144248.73	4741.99	18	4740.49	4	4737.99
3-387	735396.76	1144182.91	4742.11	48	4738.11	3.5	4738.61
3-388	735411.26	1143874.57	4741.77	36	4738.77	4.5	4737.27
3-389	735411.26	1143874.57	4741.77	24	4739.77	4.5	4737.27
3-389W	735417.32	1143751.14	4742.59	12	4741.59		4742.59
3-390	735476.75	1142498.67	4744.62	30	4742.12	3.5	4741.12
3-391	735490.61	1144374.63	4741.45	24	4739.45	NO	
3-391E	735439.59	1144488.71	4741.67	12	4740.67	NO	
3-391E2	735388.63	1144601.42	4742.02	30	4739.52	NO	
3-392	735520.11	1144254.06	4741.35	42	4737.85	4	4737.35
3-393	735525.71	1144129.01	4741.97	30	4739.47	4.5	4737.47
3-394	735531.05	1144003.16	4740.95	18	4739.45	4.5	4736.45
3-395	735534.16	1143876.28	4742.54	24	4740.54	4	4738.54
3-395W	735533.21	1143753.59	4742.31	18	4740.81	3	4739.31
3-395W2	735538.45	1143668.52	4741.90	12	4740.90	2	4739.90
3-396	735643.62	1144255.71	4740.07	18	4738.57	3.5	4736.57
3-396E	735642.28	1144382.22	4742.32	24	4740.32	NO	
3-396E2	735630.69	1144455.37	4744.14	36	4741.14	NO	
3-397	735650.86	1144134.93	4740.79	18	4739.29	3	4737.79
3-398	735656.85	1144009.81	4741.28	24	4739.28	3	4738.28

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
3-399	735669.69	1143825.55	4742.26	6	4741.76	4	4738.26
3-400	735705.01	1143917.63	4740.59	48	4736.59	3	4737.59
3-401	735764.24	1144389.88	4743.93	12	4742.93	NO	
3-401E	735770.07	1144455.39	4746.92	18	4745.42	NO	
3-402	735771.16	1144264.04	4739.47	60	4734.47	3.5	4735.97
3-403	735775.69	1144140.73	4740.61	60	4735.61	3	4737.61
3-404	735781.43	1144015.85	4740.23	60	4735.23	3	4737.23
3-405	735785.65	1143912.03	4739.73	12	4738.73	2.5	4737.23
3-406	735787.90	1143814.33	4741.78	6	4741.28	4.5	4737.28
3-407	735893.85	1144394.32	4743.16	72	4737.16	6	4737.16
3-407E	735891.45	1144433.80	4745.73	72	4739.73	NO	
3-407N	736020.16	1144401.78	4742.84	0	4742.84	6.5	4736.34
3-408	735896.31	1144270.04	4740.60	36	4737.60	3.5	4737.10
3-409	735905.50	1144020.34	4740.97	6	4740.47	4.5	4736.47
3-410	735909.16	1144193.47	4739.64	48	4735.64	3.5	4736.14
3-411	735911.11	1143895.26	4741.44	6	4740.94	NO	
3-412	736025.22	1144275.54	4740.22	66	4734.72	4	4736.22
3-413	736029.87	1144178.42	4740.51	48	4736.51	3.5	4737.01
3-414	736042.02	1144027.77	4737.58	48	4733.58	2	4735.58
3-415	736037.40	1143901.44	4741.11	12	4740.11	NO	
3-416	736145.29	1144281.01	4740.50	30	4738.00	5	4735.50
3-417	736150.88	1144156.11	4739.92	30	4737.42	4	4735.92
3-418	736154.63	1144031.19	4739.82	48	4735.82	3.5	4736.32
3-419	736152.82	1143945.61	4739.29	36	4736.29	2.5	4736.79
3-420	736166.71	1143782.10	4737.56	24	4735.56	2	4735.56
3-421	736264.52	1144412.03	4740.40	36	4737.40	4.5	4735.90
3-421E	736240.48	1144466.07	4744.60	6	4744.10	NO	
3-421S	736141.05	1144398.30	4742.50	12	4741.50	NO	
3-422	736269.54	1144287.69	4739.07	60	4734.07	4	4735.07
3-423	736274.91	1144162.36	4739.12	48	4735.12	4	4735.12
3-424	736280.37	1144037.78	4739.01	48	4735.01	3	4736.01
3-425	736286.83	1143922.84	4737.99	36	4734.99	2.5	4735.49
3-426	736288.26	1143811.06	4737.00	30	4734.50	2	4735.00
4-001	736379.29	1144510.94	4741.59	0	4741.59	4	4737.59
4-002	736393.69	1144413.71	4739.01	54	4734.51	5.5	4733.51
4-003	736387.62	1144298.39	4737.88	72	4731.88	4	4733.88
4-004	736411.27	1144163.70	4736.98	48	4732.98	4	4732.98
4-005	736423.39	1144043.88	4739.83	24	4737.83	4.5	4735.33
4-006	736411.04	1143917.81	4740.47	0	4740.47	4	4736.47
4-008	736482.36	1144549.05	4743.33	0	4743.33	4	4739.33
4-009	736514.90	1144423.40	4738.76	48	4734.76	5	4733.76
4-010	736520.06	1144297.70	4738.82	12	4737.82	4.5	4734.32
4-011	736525.04	1144172.80	4739.47	12	4738.47	4	4735.47
4-012	736531.26	1144074.02	4739.44	12	4738.44	4	4735.44
4-013	736632.94	1144554.70	4741.56	0	4741.56	4	4737.56
4-014	736638.64	1144422.81	4738.75	0	4738.75	4	4734.75
4-015	736671.96	1144192.54	4738.52	18	4737.02	4	4734.52
4-015W	736692.32	1144069.96	4738.77	6	4738.27	2	4736.77
4-016	736676.49	1144333.35	4735.42	0	4735.42	2	4733.42
4-017	736763.35	1144555.78	4738.96	0	4738.96	4	4734.96
4-017E	736727.21	1144676.95	4741.56	0	4741.56	4	4737.56
4-018	736761.93	1144432.56	4737.21	30	4734.71	3.5	4733.71
4-019	736787.23	1144347.86	4735.59	6	4735.09	3	4732.59
4-020	736775.03	1144183.96	4738.06	12	4737.06	4.5	4733.56
4-021	736884.98	1144580.74	4736.89	18	4735.39	3	4733.89

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-021E	736861.91	1144688.70	4736.94	0	4736.94	4	4732.94
4-021E2	736827.18	1144810.52	4740.08	36	4737.08 >	3	4737.08
4-022	736889.45	1144437.97	4736.23	36	4733.23	3	4733.23
4-023	736900.39	1144365.73	4736.47	30	4733.97	3	4733.47
4-024	736900.24	1144190.66	4737.41	6	4736.91	4	4733.41
4-025	737011.36	1144443.85	4735.85	24	4733.85	6	4729.85
4-025E	737016.84	1144567.46	4736.16	30	4733.66	5	4731.16
4-025E2	736985.04	1144689.44	4735.92	24	4733.92	3.5	4732.42
4-025E2N	737107.02	1144708.66	4735.74	0	4735.74	NO	
4-025E3	736985.89	1144814.44	4735.97	24	4733.97	3	4732.97
4-025E3N	737108.25	1144841.18	4735.83	6	4735.33	NO	
4-025E4	736942.33	1144930.63	4739.28	6	4738.78 >	3	4736.28
4-026	737012.92	1144306.54	4736.15	30	4733.65	3	4733.15
4-027	737046.37	1144248.13	4735.85	36	4732.85	3.5	4732.35
4-028	737029.91	1144070.67	4736.03	24	4734.03	4	4732.03
4-028W	736968.96	1143962.43	4736.12	12	4735.12 >	2	4734.12
4-029	737130.89	1144586.35	4735.70	0	4735.70	6	4729.70
4-030	737147.65	1144465.98	4734.77	48	4730.77	3	4731.77
4-031	737142.52	1144319.81	4734.72	36	4731.72	3	4731.72
4-032	737146.39	1144201.12	4735.58	6	4735.08	2.5	4733.08
4-033	737154.85	1144075.67	4735.85	30	4733.35	4	4731.85
4-034	737255.60	1144685.21	4734.92	12	4733.92	4	4730.92
4-035	737258.76	1144439.99	4735.41	48	4731.41	4	4731.41
4-036	737268.86	1144330.83	4736.21	18	4734.71	4	4732.21
4-037	737274.57	1144205.84	4735.16	18	4733.66	3.5	4731.66
4-038	737279.93	1144079.76	4735.33	18	4733.83	4	4731.33
4-038W	737279.80	1143992.25	4735.02	12	4734.02 >	2	4733.02
4-039	737283.92	1144555.85	4734.52	48	4730.52	3.5	4731.02
4-040	737370.37	1144550.90	4733.91	48	4729.91	3	4730.91
4-041	737373.02	1144387.39	4735.09	30	4732.59 >	4	4731.09
4-042	737399.10	1144211.35	4734.63	24	4732.63	4	4730.63
4-042W	737404.08	1144086.48	4734.73	18	4733.23	4	4730.73
4-043	737431.75	1144648.40	4734.47	12	4733.47	3.5	4730.97
4-044	737513.12	1144464.34	4734.88	6	4734.38	3.5	4731.38
4-045	737530.20	1144389.62	4732.88	36	4729.88	2	4730.88
4-046	737526.11	1144275.31	4734.21	48	4730.21	3.5	4730.71
4-047	737529.77	1144129.21	4733.83	48	4729.83	2.5	4731.33
4-047W	737533.26	1144008.96	4732.80	48	4728.80	2	4730.80
4-048	737646.15	1144403.92	4734.12	48	4730.12	5	4729.12
4-048E	737639.49	1144524.27	4735.04	0	4735.04	4	4731.04
4-049	737654.59	1144107.80	4733.74	36	4730.74	3	4730.74
4-050	737654.90	1144189.37	4733.77	42	4730.27	3	4730.77
4-051	737657.29	1144305.49	4733.21	48	4729.21	2.5	4730.71
4-052	737685.96	1145421.56	4731.23	18	4729.73	2	4729.23
4-053	737753.66	1144262.37	4733.68	60	4728.68	3	4730.68
4-054	737762.36	1144479.14	4733.67	6	4733.17	4	4729.67
4-055	737767.88	1144363.81	4733.28	48	4729.28	3	4730.28
4-056	737779.58	1144102.40	4733.04	48	4729.04	2.5	4730.54
4-056W	737784.72	1144050.11	4732.97	18	4731.47	2.5	4730.47
4-057	737803.07	1144715.63	4732.82	24	4730.82	4	4728.82
4-057S	737681.10	1144706.08	4732.81	12	4731.81	3	4729.81
4-058	737808.38	1144879.32	4732.70	6	4732.20	4	4728.70
4-059	737833.70	1145492.80	4730.97	18	4729.47	4	4726.97
4-059E	737795.57	1145585.51	4731.92	12	4730.92 >	3	4728.92
4-059W	737862.13	1145406.00	4731.45	6	4730.95	2.5	4728.95

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-060	737870.02	1144986.75	4732.52	36	4729.52	4	4728.52
4-060E	737832.34	1145098.09	4731.99	0	4731.99	3.5	4728.49
4-060E/S	737720.59	1145050.75	4733.30	18	4731.80	NO	
4-060E2	737792.49	1145215.61	4731.84	6	4731.34		4731.84
4-060S	737749.08	1144935.15	4732.42	0	4732.42	3.5	4728.92
4-061	737864.89	1144401.14	4731.53	24	4729.53	2	4729.53
4-062	737896.41	1144480.52	4732.57	36	4729.57	3	4729.57
4-063	737894.24	1144582.81	4732.79	48	4728.79	3.5	4729.29
4-063S	737773.69	1144571.84	4733.17	0	4733.17	4	4729.17
4-064	737880.74	1144227.51	4733.57	36	4730.57	4	4729.57
4-065	737891.74	1144155.97	4733.42	24	4731.42	4	4729.42
4-065W	737896.38	1144077.64	4732.97	18	4731.47	3	4729.97
4-066	737904.94	1144809.62	4731.91	48	4727.91	3.5	4728.41
4-067	737964.81	1145498.96	4730.69	42	4727.19	4	4726.69
4-067E	737931.63	1145611.06	4731.43	6	4730.93	4	4727.43
4-067W	737998.27	1145371.60	4731.07	6	4730.57	3	4728.07
4-068	737967.78	1144419.93	4732.65	42	4729.15	4.5	4728.15
4-069	737975.40	1144239.11	4733.33	30	4730.83	4.5	4728.83
4-070	737979.78	1145237.67	4731.43	6	4730.93	4	4727.43
4-071	737979.29	1145114.15	4731.95	6	4731.45	3	4728.95
4-072	737987.53	1145022.76	4732.59	12	4731.59	4	4728.59
4-073	737995.68	1144863.13	4731.60	30	4729.10	3	4728.60
4-074	738001.71	1144738.11	4733.06	42	4729.56	4	4729.06
4-075	738007.24	1144613.39	4732.88	36	4729.88	4.5	4728.38
4-076	738012.33	1144487.57	4732.56	54	4728.06	4	4728.56
4-077	738018.27	1144363.70	4733.81	24	4731.81	4	4729.81
4-077N	738141.07	1144400.84	4732.92	18	4731.42	4	4728.92
4-077NW	738184.32	1144284.23	4732.49	12	4731.49	2	4730.49
4-078	738076.00	1144913.69	4732.08	60	4727.08	4	4728.08
4-079	738089.78	1145495.74	4730.13	36	4727.13	4	4726.13
4-079E	738049.16	1145609.90	4730.32	6	4729.82	3	4727.32
4-080	738098.20	1145365.99	4731.41	12	4730.41	4	4727.41
4-081	738102.69	1145246.12	4731.78	12	4730.78	3.5	4728.28
4-082	738108.60	1145118.14	4732.01	12	4731.01	4	4728.01
4-083	738115.01	1145006.91	4732.02	12	4731.02	5	4727.02
4-084	738126.35	1144742.81	4731.23	48	4727.23	3	4728.23
4-085	738129.05	1144624.39	4731.01	48	4727.01	4.5	4726.51
4-086	738159.24	1144532.42	4730.77	42	4727.27	4	4726.77
4-087	738245.08	1145242.88	4731.28	18	4729.78	4	4727.28
4-087E	738200.73	1145361.15	4731.30	6	4730.80	4	4727.30
4-088	738237.69	1145120.37	4731.73	30	4729.23	5	4726.73
4-089	738241.23	1144998.24	4732.35	18	4730.85	4	4728.35
4-090	738251.08	1144874.38	4732.01	36	4729.01	5.5	4726.51
4-091	738249.44	1144752.00	4731.68	12	4730.68	3	4728.68
4-092	738254.72	1144623.52	4731.30	42	4727.80	4	4727.30
4-093	738283.72	1144551.07	4731.47	36	4728.47	4.5	4726.97
4-094	738269.83	1144452.43	4732.03	6	4731.53	4	4728.03
4-095	738342.54	1145695.75	4729.95	6	4729.45	4	4725.95
4-096	738358.79	1145254.58	4731.09	18	4729.59	3	4728.09
4-096E	738338.30	1145375.22	4729.87	12	4728.87	4	4725.87
4-097	738362.09	1145133.43	4731.07	6	4730.57	3	4728.07
4-098	738365.57	1145003.60	4730.87	12	4729.87	5	4725.87
4-099	738369.08	1144882.20	4731.24	12	4730.24	5	4726.24
4-100	738373.12	1144756.36	4730.56	30	4728.06	3.5	4727.06
4-101	738387.60	1144508.84	4730.73	36	4727.73	4	4726.73

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-102	738393.78	1144409.64	4731.30	24	4729.30 >	4	4727.30
4-102W	738403.56	1144281.74	4731.36	18	4729.86	4	4727.36
4-102W2	738400.54	1144181.47	4731.73	18	4730.23 >	4	4727.73
4-103	738442.91	1144642.93	4730.51	48	4726.51	3.5	4727.01
4-104	738434.63	1144831.55	4731.09	12	4730.09	4.5	4726.59
4-105	738457.85	1145752.40	4728.42	12	4727.42	4.5	4723.92
4-106	738468.04	1145384.13	4729.36	24	4727.36	3	4726.36
4-106E	738415.32	1145497.62	4729.27	12	4728.27	3	4726.27
4-107	738476.44	1145256.47	4730.49	0	4730.49 >	4	4726.49
4-108	738485.67	1145131.38	4730.26	6	4729.76	6	4724.26
4-109	738469.38	1145001.01	4730.60	12	4729.60	5	4725.60
4-110	738507.13	1144633.86	4730.29	24	4728.29	3.5	4726.79
4-111	738507.97	1144539.05	4730.90	60	4725.90	5	4725.90
4-112	738519.30	1144431.26	4731.45	12	4730.45	4	4727.45
4-112W	738484.39	1144309.68	4731.19	24	4729.19	4	4727.19
4-112W2	738496.66	1144196.31	4731.08	24	4729.08	3	4728.08
4-113	738556.40	1144889.95	4730.31	48	4726.31	4	4726.31
4-114	738572.47	1145799.44	4730.29	18	4728.79	4	4726.29
4-115	738582.56	1144646.51	4729.93	36	4726.93	3	4726.93
4-116	738601.18	1145394.32	4729.49	12	4728.49	4	4725.49
4-117	738602.76	1145260.65	4729.00	12	4728.00	4	4725.00
4-118	738610.73	1145141.42	4728.90	12	4727.90 >	4	4724.90
4-119	738615.87	1145014.89	4729.31	48	4725.31	4	4725.31
4-120	738620.54	1144890.47	4730.00	48	4726.00	4	4726.00
4-121	738625.99	1144767.67	4730.50	36	4727.50 >	4	4726.50
4-122	738644.60	1144491.55	4730.65	24	4728.65 >	4	4726.65
4-122N	738761.33	1144537.54	4729.97	18	4728.47	4	4725.97
4-122NW	738800.27	1144416.23	4730.67	18	4729.17	4	4726.67
4-122NW2	738837.20	1144304.29	4730.16	0	4730.16 >	4	4726.16
4-122W	738682.57	1144373.62	4730.57	36	4727.57 >	4	4726.57
4-122W2	738722.54	1144245.77	4730.18	6	4729.68 >	3	4727.18
4-123	738695.91	1144643.76	4730.66	6	4730.16	4.5	4726.16
4-123N	738817.19	1144673.05	4730.50	36	4727.50 >	3	4727.50
4-124	738699.42	1145813.97	4728.07	24	4726.07	3	4725.07
4-124E	738682.53	1145910.54	4727.72	18	4726.22	4	4723.72
4-124W	738713.82	1145711.61	4728.89	0	4728.89	3	4725.89
4-125	738719.69	1145396.82	4728.50	18	4727.00 >	4	4724.50
4-126	738727.62	1145267.86	4728.44	24	4726.44	4	4724.44
4-127	738737.07	1145147.64	4729.23	12	4728.23	4.5	4724.73
4-128	738757.67	1145037.14	4729.50	24	4727.50	4.5	4725.00
4-129	738745.52	1144895.00	4729.59	24	4727.59	4	4725.59
4-130	738750.89	1144769.85	4730.51	18	4729.01 >	4	4726.51
4-131	738843.62	1145778.14	4728.52	6	4728.02	4	4724.52
4-132	738836.89	1145649.94	4727.62	12	4726.62	3	4724.62
4-133	738837.45	1145513.31	4728.44	0	4728.44	4	4724.44
4-134	738847.82	1145400.91	4728.02	12	4727.02	4.5	4723.52
4-135	738840.08	1145284.06	4727.67	48	4723.67	4	4723.67
4-136	738846.78	1145145.22	4728.57	6	4728.07 >	2	4726.57
4-137	738879.78	1145033.21	4728.68	36	4725.68 >	3	4725.68
4-138	738870.56	1144917.02	4729.42	30	4726.92	4.5	4724.92
4-139	738871.89	1144750.44	4729.32	24	4727.32	4	4725.32
4-140	738955.29	1144851.32	4728.63	48	4724.63	4	4724.63
4-141	738963.48	1145111.31	4725.48	6	4724.98	2	4723.48
4-142	738945.05	1145430.59	4728.41	6	4727.91	4	4724.41
4-143	738978.37	1145280.54	4727.83	30	4725.33	3	4724.83

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-144	738989.84	1145031.58	4727.63	18	4726.13	4	4723.63
4-145	738994.87	1144904.15	4728.27	24	4726.27	4	4724.27
4-146	739004.29	1144659.26	4728.44	30	4725.94	4	4724.44
4-146W	739016.02	1144532.15	4729.80	6	4729.30 >	4	4725.80
4-147	739005.05	1145629.19	4727.45	6	4726.95 >	4.5	4722.95
4-148	739034.06	1145480.49	4727.89	12	4726.89	4.5	4723.39
4-149	739088.38	1145725.69	4727.28	18	4725.78	5	4722.28
4-149E	739060.29	1145840.60	4726.98	12	4725.98	4	4722.98
4-150	739099.86	1145537.94	4727.28	36	4724.28	4.5	4722.78
4-151	739087.65	1144963.58	4727.84	0	4727.84	3	4724.84
4-152	739107.64	1145400.23	4726.02	36	4723.02	3	4723.02
4-153	739114.49	1145282.27	4727.26	36	4724.26	4	4723.26
4-154	739110.50	1145163.07	4727.39	48	4723.39	3.5	4723.89
4-155	739110.03	1145054.22	4727.02	36	4724.02	3	4724.02
4-156	739130.79	1144668.74	4727.55	36	4724.55	4	4723.55
4-156W	739108.62	1144544.29	4728.61	0	4728.61 >	4	4724.61
4-157	739141.65	1144752.73	4727.87	36	4724.87	4	4723.87
4-158	739186.16	1144948.90	4728.58	30	4726.08 >	4	4724.58
4-159	739190.80	1144545.61	4727.65	36	4724.65 >	4	4723.65
4-160	739202.17	1145307.75	4727.35	36	4724.35	4.5	4722.85
4-161	739201.01	1145727.47	4726.78	42	4723.28	4.5	4722.28
4-161E	739250.74	1145843.14	4726.64	30	4724.14	4	4722.64
4-161E2	739273.55	1145957.48	4726.50	24	4724.50	5	4721.50
4-161E2N	739397.38	1145932.08	4724.86	30	4722.36		4724.86
4-161E2N2	739522.14	1145949.24	4725.41	18	4723.91	4	4721.41
4-161E3	739332.71	1146110.49	4726.11	12	4725.11 >	4	4722.11
4-161E3N	739421.09	1146054.98	4725.64	6	4725.14		4725.64
4-162	739222.28	1145539.61	4726.43	36	4723.43	4	4722.43
4-163	739225.69	1145416.65	4727.64	36	4724.64	4	4723.64
4-164	739232.84	1145167.48	4727.36	36	4724.36	4.5	4722.86
4-165	739240.84	1145044.26	4726.90	12	4725.90 >	4	4722.90
4-166	739245.30	1144916.58	4727.88	18	4726.38	4	4723.88
4-167	739250.27	1144791.77	4728.07	18	4726.57 >	4	4724.07
4-168	739255.66	1144667.99	4728.07	12	4727.07 >	2	4726.07
4-169	739260.84	1144497.67	4727.44	24	4725.44 >	4	4723.44
4-169W	20050.00	1144374.27	4727.85	12	4726.85 >	2	4725.85
4-170	739350.68	1145544.82	4726.52	36	4723.52	4.5	4722.02
4-170NE	739393.36	1145655.69	4725.84	12	4724.84 >	4	4721.84
4-171	739336.77	1145425.09	4726.12	36	4723.12	4.5	4721.62
4-172	739367.94	1145177.71	4725.75	30	4723.25	4.5	4721.25
4-173	739366.85	1145062.19	4726.66	18	4725.16	4	4722.66
4-174	739370.30	1144922.56	4726.26	12	4725.26	4	4722.26
4-175	739384.85	1144794.97	4727.29	24	4725.29	4	4723.29
4-176	739375.44	1144672.87	4727.79	18	4726.29	4	4723.79
4-177	739402.26	1144525.72	4727.16	12	4726.16 >	4	4723.16
4-178	739407.91	1145302.15	4726.25	36	4723.25	4	4722.25
4-179	739467.23	1145134.33	4726.47	36	4723.47	4	4722.47
4-180	739469.12	1144634.52	4726.53	36	4723.53	4	4722.53
4-180W	739544.03	1144527.81	4726.95	6	4726.45 >	2	4724.95
4-181	739478.62	1145303.34	4725.71	36	4722.71 >	4	4721.71
4-182	739479.39	1145378.49	4725.81	24	4723.81	4	4721.81
4-183	739478.23	1145105.77	4726.85	54	4722.35	4	4722.85
4-184	739470.09	1144929.85	4727.16	30	4724.66	3	4724.16
4-185	739519.17	1144803.80	4727.27	18	4725.77 >	4	4723.27
4-185NW	739590.77	1144716.63	4727.08	6	4726.58 >	3	4724.08

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-186	739610.26	1145445.87	4726.35	12	4725.35	4.5	4721.85
4-187	739604.74	1145309.51	4725.30	36	4722.30	4	4721.30
4-188	739628.10	1145214.47	4725.71	42	4722.21	4	4721.71
4-189	739604.39	1145055.23	4726.66	18	4725.16	4	4722.66
4-190	739620.63	1144929.11	4726.06	30	4723.56	3	4723.06
4-191	739625.62	1144807.64	4726.18	24	4724.18 >	4	4722.18
4-191W	739655.15	1144687.11	4726.57	6	4726.07 >	3	4723.57
4-192	739688.09	1145561.92	4724.51	12	4723.51	4	4720.51
4-193	739710.39	1145682.87	4723.52	24	4721.52	4	4719.52
4-193E	739664.14	1145798.55	4724.90	0	4724.90 >	3	4721.90
4-193S	739597.20	1145630.30	4724.47	12	4723.47 >	3	4721.47
4-194	739723.74	1145441.05	4724.98	12	4723.98	4	4720.98
4-195	739735.21	1145328.36	4726.18	48	4722.18 >	4	4722.18
4-196	739719.93	1145160.82	4725.27	36	4722.27 >	4	4721.27
4-197	739753.15	1145076.13	4725.96	18	4724.46 >	4	4721.96
4-198	739776.95	1144942.96	4726.00	24	4724.00 >	4	4722.00
4-199	739749.86	1144814.61	4726.14	12	4725.14	4	4722.14
4-200	739807.93	1145621.03	4723.62	36	4720.62	4.5	4719.12
4-201	739829.15	1145818.90	4724.37	0	4724.37	4.5	4719.87
4-202	739849.19	1145325.86	4724.78	42	4721.28	5	4719.78
4-203	739858.37	1145468.75	4725.00	30	4722.50	4.5	4720.50
4-204	739858.20	1145195.24	4724.14	24	4722.14	3.5	4720.64
4-205	739862.23	1145069.15	4724.78	30	4722.28	4	4720.78
4-206	739870.91	1144939.68	4725.38	30	4722.88	3	4722.38
4-206W	739917.52	1144812.77	4725.61	18	4724.11 >	2	4723.61
4-206W2	739928.92	1144693.48	4725.13	6	4724.63 >	2	4723.13
4-207	739888.91	1145704.95	4723.59	30	4721.09	4.5	4719.09
4-208	739954.98	1145870.32	4723.77	18	4722.27 >	4	4719.77
4-208E	739912.89	1145985.71	4723.39	18	4721.89 >	3	4720.39
4-209	739966.90	1145575.52	4723.53	24	4721.53	4	4719.53
4-210	739970.88	1145450.12	4724.53	36	4721.53	4.5	4720.03
4-211	739984.50	1145313.00	4724.39	42	4720.89	4.5	4719.89
4-212	739981.68	1145216.98	4725.15	48	4721.15	4	4721.15
4-213	739989.25	1145071.38	4724.31	18	4722.81	4	4720.31
4-214	739994.18	1144951.43	4724.67	36	4721.67	4	4720.67
4-214W	740059.78	1144844.61	4724.25	6	4723.75 >	2	4722.25
4-215	740005.12	1145679.44	4723.11	48	4719.11	4.5	4718.61
4-216	739986.83	1146098.24	4722.76	18	4721.26	4.5	4718.26
4-217	740032.64	1145769.88	4723.23	48	4719.23	4	4719.23
4-218	740074.69	1145955.58	4722.91	18	4721.41	4.5	4718.41
4-219	740091.27	1145827.64	4723.15	24	4721.15	4.5	4718.65
4-220	740091.39	1145583.31	4723.65	18	4722.15	NO	
4-221	740093.44	1145458.00	4722.92	24	4720.92	3	4719.92
4-222	740105.38	1145328.75	4724.14	30	4721.64	4	4720.14
4-223	740114.68	1145186.69	4724.42	36	4721.42 >	4	4720.42
4-224	740108.07	1145098.38	4724.32	36	4721.32	4	4720.32
4-224W	740166.37	1144994.39	4723.23	18	4721.73 >	2	4721.23
4-224W2	740249.20	1144900.30	4723.80	12	4722.80 >	2	4721.80
4-225	740130.39	1146124.82	4723.43	0	4723.43	5	4718.43
4-226	740200.81	1145957.20	4721.96	42	4718.46	4.5	4717.46
4-227	740203.78	1145757.11	4723.02	42	4719.52	4	4719.02
4-228	740216.79	1145584.43	4723.37	12	4722.37	4.5	4718.87
4-229	740222.98	1145460.95	4722.85	18	4721.35	3	4719.85
4-230	740226.35	1145396.66	4723.34	42	4719.84	4	4719.34
4-231	740230.56	1145202.37	4723.67	30	4721.17	4.5	4719.17

Appendix A

Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-231W	740341.57	1145128.61	4723.16	18	4721.66 >	3	4720.16
4-231W2	740419.98	1145041.26	4723.19	12	4722.19	NO	
4-232	740236.80	1146083.95	4722.07	12	4721.07	4	4718.07
4-233	740260.93	1145848.53	4722.69	42	4719.19	4	4718.69
4-234	740308.81	1146339.93	4721.70	18	4720.20	5	4716.70
4-234E	740275.63	1146450.41	4721.79	18	4720.29	4	4717.79
4-234S	740189.23	1146310.27	4723.13	0	4723.13	NO	
4-235	740314.64	1146214.26	4721.74	48	4717.74	4	4717.74
4-236	740319.24	1146090.12	4720.89	48	4716.89	4	4716.89
4-237	740334.78	1145977.95	4721.83	24	4719.83	4	4717.83
4-238	740316.03	1145838.45	4722.85	48	4718.85	4	4718.85
4-239	740341.26	1145592.83	4722.69	30	4720.19	5	4717.69
4-240	740347.68	1145466.64	4722.82	36	4719.82	4	4718.82
4-241	740349.73	1145685.17	4722.32	48	4718.32	4	4718.32
4-242	740352.67	1145342.16	4723.08	18	4721.58	4.5	4718.58
4-243	740361.22	1145215.99	4723.29	24	4721.29	4	4719.29
4-244	740382.78	1146084.41	4721.07	48	4717.07	4	4717.07
4-245	740409.80	1146360.68	4721.14	18	4719.64	4	4717.14
4-246	740439.23	1146221.13	4721.56	60	4716.56	4	4717.56
4-247	740450.94	1145972.28	4721.34	42	4717.84	5	4716.34
4-248	740456.90	1145846.38	4722.36	36	4719.36	5	4717.36
4-249	740461.47	1145720.83	4722.41	42	4718.91	4.5	4717.91
4-250	740470.00	1145594.33	4721.55	36	4718.55 >	4	4717.55
4-251	740467.49	1145472.07	4721.34	24	4719.34	4	4717.34
4-252	740477.90	1145346.94	4721.55	30	4719.05	4	4717.55
4-253	740477.28	1145261.43	4722.82	6	4722.32	4	4718.82
4-254	740559.57	1146465.09	4721.59	24	4719.59	5	4716.59
4-254E	740552.86	1146587.92	4720.58	18	4719.08	4	4716.58
4-255	740571.35	1146350.51	4720.45	48	4716.45	4	4716.45
4-256	740562.06	1146223.26	4721.45	24	4719.45	4	4717.45
4-257	740588.54	1146094.06	4721.59	12	4720.59 >	4	4717.59
4-258	740597.36	1145988.61	4721.47	42	4717.97	4.5	4716.97
4-259	740581.54	1145849.99	4720.67	42	4717.17	4	4716.67
4-260	740585.65	1145726.44	4720.99	18	4719.49	4.5	4716.49
4-261	740578.77	1145595.28	4720.74	12	4719.74	4	4716.74
4-262	740594.16	1145477.50	4720.50	12	4719.50	4	4716.50
4-263	740601.59	1145353.23	4721.73	12	4720.73 >	4	4717.73
4-263W	740632.28	1145228.87	4722.65	12	4721.65 >	2	4720.65
4-264	740682.05	1146356.28	4720.36	12	4719.36	5	4715.36
4-264E	740658.96	1146479.51	4720.55	12	4719.55	3.5	4717.05
4-265	740686.07	1146229.23	4719.70	18	4718.20	3.5	4716.20
4-266	740690.21	1146117.84	4719.60	24	4717.60	4	4715.60
4-267	740697.64	1145990.98	4721.03	6	4720.53 >	4	4717.03
4-268	740703.27	1145858.38	4720.86	48	4716.86	4.5	4716.36
4-269	740705.41	1145734.81	4719.97	72	4713.97	4.5	4715.47
4-270	740715.56	1145608.97	4720.84	30	4718.34	5	4715.84
4-271	740721.13	1145481.39	4720.86	12	4719.86	4	4716.86
4-271W	740758.07	1145236.73	4722.14	12	4721.14		4722.14
4-272	740726.80	1145356.71	4720.05	30	4717.55	4	4716.05
4-272W	740758.07	1145236.73	4722.14		4722.14 >	2	4720.14
4-273	740810.69	1146360.66	4719.98	18	4718.48	4.5	4715.48
4-273W	740804.30	1146481.17	4719.80	18	4718.30	4	4715.80
4-273W2	740798.83	1146599.99	4719.70	12	4718.70	5	4714.70
4-274	740816.37	1146236.40	4719.92	6	4719.42	5	4714.92
4-275	740822.01	1146171.80	4719.77	18	4718.27	4.5	4715.27

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-276	740820.76	1145988.15	4719.35	24	4717.35	3.5	4715.85
4-277	740833.28	1145889.12	4720.52	18	4719.02	5	4715.52
4-278	740836.36	1145737.53	4720.18	24	4718.18	4.5	4715.68
4-279	740822.93	1145623.59	4718.39	60	4713.39	3.5	4714.89
4-280	740847.93	1145488.71	4720.45	12	4719.45	4	4716.45
4-281	740905.48	1145398.25	4718.77	18	4717.27	3	4715.77
4-282	740937.52	1146367.42	4718.76	24	4716.76	4.5	4714.26
4-282E	740899.17	1146470.32	4718.57	18	4717.07	NO	
4-282E2	740881.92	1146594.74	4719.38	6	4718.88	NO	
4-283	740934.74	1146244.42	4719.35	18	4717.85	4.5	4714.85
4-284	740950.61	1146081.39	4719.18	12	4718.18	3	4716.18
4-285	740953.20	1146000.83	4719.06	6	4718.56	3.5	4715.56
4-286	740955.72	1145868.35	4718.98	12	4717.98	4	4714.98
4-287	740959.89	1145744.55	4719.07	24	4717.07	4	4715.07
4-288	740959.70	1145623.86	4720.05	24	4718.05	4.5	4715.55
4-289	740970.14	1145491.23	4720.15	18	4718.65	4.5	4715.65
4-290	740999.92	1145936.99	4717.68	48	4713.68	3	4714.68
4-291	741045.92	1146622.81	4719.13	18	4717.63	4.5	4714.63
4-291E	741032.72	1146746.00	4718.66	0	4718.66	3	4715.66
4-292	741051.00	1146496.46	4718.89	24	4716.89	4	4714.89
4-293	741064.58	1146377.69	4718.88	18	4717.38	4.5	4714.38
4-294	741067.12	1146246.22	4718.53	36	4715.53	3	4715.53
4-295	741065.97	1146122.97	4717.97	48	4713.97	3	4714.97
4-296	741075.33	1145998.18	4718.42	30	4715.92	5	4713.42
4-297	741080.76	1145873.99	4717.84	30	4715.34	3	4714.84
4-298	741084.94	1145745.55	4717.04	30	4714.54	4	4713.04
4-299	741089.16	1145622.72	4719.11	0	4719.11	4	4715.11
4-301	741174.01	1146626.62	4718.17	6	4717.67	4	4714.17
4-302	741171.04	1146492.81	4718.17	12	4717.17	4	4714.17
4-303	741188.39	1146376.35	4718.81	18	4717.31	5	4713.81
4-304	741190.95	1146253.38	4718.82	60	4713.82	4	4714.82
4-305	741193.55	1146131.70	4719.71	12	4718.71	6	4713.71
4-306	741200.49	1146003.68	4717.26	48	4713.26	3.5	4713.76
4-307	741206.69	1145870.15	4718.11	6	4717.61	4	4714.11
4-308	741211.85	1145755.17	4719.05	0	4719.05	4.5	4714.55
4-309	741215.84	1145629.99	4718.23	60	4713.23	4	4714.23
4-309W	741221.93	1145516.32	4720.24	0	4720.24	4	4716.24
4-312	741304.05	1146507.11	4717.09	12	4716.09	4.5	4712.59
4-313	741307.85	1146383.53	4718.15	12	4717.15	4.5	4713.65
4-314	741314.38	1146262.17	4717.90	24	4715.90	5	4712.90
4-315	741320.61	1146133.81	4717.63	48	4713.63	4	4713.63
4-316	741326.84	1146009.48	4717.66	18	4716.16	4	4713.66
4-317	741327.68	1145888.69	4718.33	12	4717.33	4.5	4713.83
4-318	741333.13	1145759.70	4718.21	0	4718.21	4	4714.21
4-319	741342.70	1145639.54	4717.87	12	4716.87	NO	
4-321	741426.51	1146514.22	4716.09	12	4715.09	3.5	4712.59
4-322	741429.40	1146388.23	4717.01	24	4715.01	5	4712.01
4-323	741434.14	1146324.94	4717.26	24	4715.26	4.5	4712.76
4-324	741444.23	1146140.55	4716.41	48	4712.41	4	4712.41
4-325	741451.23	1146017.83	4716.36	6	4715.86	3	4713.36
4-326	741454.22	1145893.95	4716.90	6	4716.40	4	4712.90
4-327	741459.74	1145765.47	4717.28	12	4716.28	4.5	4712.78
4-328	741465.89	1145640.12	4716.67	30	4714.17	4	4712.67
4-328W	741497.42	1145535.67	4717.89	6	4717.39	4	4713.89
4-329	741489.64	1146213.47	4716.45	48	4712.45	3.5	4712.95

Appendix A
Table B: Elevation of Base of Tailings/Impacted Soils and Groundwater

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

Test Pit	Northing	Easting	Surface Elevation (ft)	Depth to Base of Tailings/Impacted Soils (inches)	Base of Tailings/Impacted Soils Elevation	Depth to Groundwater (ft)	Groundwater Elevation (ft)
4-330	741544.27	1146641.53	4715.51	12	4714.51	4.5	4711.01
4-331	741554.88	1146526.25	4716.16	18	4714.66	4.5	4711.66
4-332	741550.47	1146404.54	4716.45	18	4714.95 >	4	4712.45
4-333	741561.81	1146272.93	4716.83	6	4716.33 >	3	4713.83
4-334	741572.46	1146017.56	4716.42	12	4715.42 >	4	4712.42
4-335	741582.52	1145854.61	4717.14	18	4715.64	NO	
4-336	741585.44	1145770.57	4717.64	0	4717.64 >	4	4713.64
4-337	741588.80	1145645.67	4718.05	6	4717.55 >	4	4714.05
4-338	741592.59	1146139.14	4717.09	18	4715.59 >	4	4713.09
4-500	739932.90	1146228.35	4722.62	24	4720.62	3	4719.62
4-500E	739910.66	1146350.03	4723.36	6	4722.86	4	4719.36
4-500N	740052.03	1146240.68	4722.93	6	4722.43	4	4718.93
4-501	739853.16	1146123.62	4722.87	30	4720.37	3	4719.87
4-502	739750.64	1146109.01	4723.35	36	4720.35	3	4720.35
4-502S	739637.36	1146064.53	4724.70	18	4723.20	4	4720.70
4-502W	739783.51	1145984.49	4723.89	18	4722.39	4	4719.89
4-503	739666.98	1146219.66	4723.92	24	4721.92	4	4719.92
4-503E	739670.34	1146354.81	4724.49	12	4723.49	3	4721.49
4-503N	739788.42	1146241.12	4724.04	6	4723.54 >	4	4720.04
4-504	739538.94	1146204.96	4724.29	12	4723.29	3	4721.29
4-504E	739518.52	1146338.22	4724.68	12	4723.68 >	3	4721.68
4-504S	739415.65	1146187.93	4725.93	0	4725.93	3	4722.93
4-505	739544.96	1146024.26	4724.94	18	4723.44 >	4	4720.94
4-506	739453.23	1145891.19	4724.37	36	4721.37 >	4	4720.37
4-506N	739576.32	1145883.22	4725.74	18	4724.24	4	4721.74
4-506W	739500.04	1145777.70	4725.84	6	4725.34	4	4721.84

Notes:
 NO-No groundwater was encountered during the investigation.

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
3-088																					
20047.00	1142017.79	4754.43	12/01/2014	3-088-4854	H14120166-031	48	54	7.2		152		10		2520		168		3840		6690	FAIL
20047.00	1142017.79	4754.43	12/01/2014	3-088-5460	H14120166-032	54	60	6.9		210		28		3510		192		7710		11650	FAIL
3-089																					
732498.07	1141863.41	4755.29	10/30/2014	3-089-0612	H14110012-072	6	12	7.6		76		12		7220		18		3580		10906	FAIL
732498.07	1141863.41	4755.29	10/30/2014	3-089-1218	H14110012-073	12	18	7.8		15		1 U		138		20		124		298	PASS
732498.07	1141863.41	4755.29	10/30/2014	3-089-1824	H14110012-075	18	24	7.8		9		1 U		57		18		106		191	PASS
3-090																					
732501.66	1141744.64	4754.69	10/30/2014	3-090-0612	H14110012-015	6	12	7.3		379		4		2350		247		1490		4470	FAIL
732501.66	1141744.64	4754.69	10/30/2014	3-090-1218	H14110012-016	12	18	7.6		183		7		1550		130		1710		3580	FAIL
732501.66	1141744.64	4754.69	10/30/2014	3-090-1824	H14110012-017	18	24	7.6		38		2		179		27		840		1086	PASS
3-091																					
732507.15	1141620.27	4755.13	10/30/2014	3-091-0006	H14110012-018	0	6	8.2		120		1 U		592		68		344		1125	PASS
732507.15	1141620.27	4755.13	10/30/2014	3-091-0612	H14110012-019	6	12	8.2		14		1 U		59		14		75		163	PASS
732507.15	1141620.27	4755.13	10/30/2014	3-091-1218	H14110012-020	12	18	8		10		1 U		48		11		55		125	PASS
3-092																					
732594.06	1142499.90	4753.76	12/02/2014	3-092-3642	H14120167-030	36	42	6.6		178		14		1930		156		2930		5208	FAIL
732594.06	1142499.90	4753.76	12/02/2014	3-092-4248	H14120167-031	42	48	7.1		358		16		3780		369		4590		9113	FAIL
3-092E																					
732605.10	1142618.17	4754.52	12/02/2014	3-092E-0006	H14120167-032	0	6	7.8		59		1		212		31		243		546	PASS
732605.10	1142618.17	4754.52	12/02/2014	3-092E-0612	H14120167-033	6	12	7.8		27		1 U		78		21		117		244	PASS
3-093																					
732599.76	1142375.20	4753.80	12/02/2014	3-093-4854	H14120167-034	48	54	6.3		321		9		4620		184		2640		7774	FAIL
732599.76	1142375.20	4753.80	12/02/2014	3-093-5460	H14120167-035	54	60	6.3		285		10		3000		168		3470		6933	FAIL
3-094																					
732605.22	1142249.40	4753.94	12/02/2014	3-094-6066	H14120167-036	60	66	6.8		357		11		3070		257		3770		7465	FAIL
732605.22	1142249.40	4753.94	12/02/2014	3-094-6672	H14120167-037	66	72	6.8		245		8		3260		230		3240		6983	FAIL
3-095																					
732610.37	1142125.15	4753.98	10/31/2014	3-095-3642	H14110012-021	36	42	6.8		193		6		2020		203		1410		3832	FAIL
732610.37	1142125.15	4753.98	10/31/2014	3-095-4248	H14110012-022	42	48	7.5		625		2		2100		128		1300		4155	FAIL
3-096																					
732615.87	1142000.62	4754.55	10/30/2014	3-096-3036	H14110012-023	30	36	7.4		322		5		2570		374		1300		4571	FAIL
732615.87	1142000.62	4754.55	10/30/2014	3-096-3642	H14110012-024	36	42	7.4		35		1 U		194		37		150		417	PASS
732615.87	1142000.62	4754.55	10/30/2014	3-096-4248	H14110012-025	42	48	6.4		94		3		828		92		511		1528	FAIL
732615.87	1142000.62	4754.55	10/30/2014	3-096-4854	H14120078-002	48	54	8		16		1 U		124		16		80		237	PASS
3-097																					
732621.60	1141875.61	4754.38	10/30/2014	3-097-1824	H14110012-026	18	24	7.8		206		3		1770		183		875		3037	FAIL
732621.60	1141875.61	4754.38	10/30/2014	3-097-2430	H14110012-027	24	30	7.6		27		1 U		147		31		129		335	PASS
732621.60	1141875.61	4754.38	10/30/2014	3-097-3036	H14110012-028	30	36	7.8		17		1 U		161		28		110		317	PASS
3-098																					
732626.77	1141750.79	4753.72	10/30/2014	3-098-0612	H14110012-029	6	12	7.8		461		11		6650		892		2630		10644	FAIL
732626.77	1141750.79	4753.72	10/30/2014	3-098-1218	H14110012-030	12	18	7.8		29		1 U		156		24		244		454	PASS
732626.77	1141750.79	4753.72	10/30/2014	3-098-1824	H14110012-031	18	24	7.7		37		1 U		251		32		163		484	PASS
3-099																					
732622.11	1141484.83	4754.52	11/06/2014	3-099-0612	H14110219-017	6	12	8		226		3		1260		243		1000		2732	FAIL
732622.11	1141484.83	4754.52	11/06/2014	3-099-1218	H14110219-018	12	18	7.4		279		6		2320		326		1970		4901	FAIL
732622.11	1141484.83	4754.52	11/06/2014	3-099-1824	H14110219-019	18	24	7.7		5		1 U		35		17		79		137	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

										CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL				
3-118																									
20041.00	1141636.91	4753.01	10/31/2014	3-118-2430	H14110012-048	24	30	8.1		19		1	U	150		22		90		282	PASS				
20041.00	1141636.91	4753.01	10/31/2014	3-118-3036	H14110012-049	30	36	7.5		7		1	U	41		11		62		122	PASS				
20041.00	1141636.91	4753.01	10/31/2014	3-118-3642	H14110012-050	36	42	7.4		7		1	U	39		11		57		115	PASS				
20041.00	1141636.91	4753.01	10/31/2014	3-118-4248	H14120078-005	42	48	7.2		16		1	U	86		15		81		199	PASS				
3-119																									
732969.16	1142519.86	4752.01	12/04/2014	3-119-0006	H14120242-006	0	6	7.4		586		13		8370		502		4450		13921	FAIL				
732969.16	1142519.86	4752.01	12/04/2014	3-119-0612	H14120242-007	6	12	7.5		31		2		479		33		830		1375	PASS				
732969.16	1142519.86	4752.01	12/04/2014	3-119-1218	H14120242-008	12	18	7.5		5		1	U	31		14		144		195	PASS				
3-120																									
732982.17	1142392.16	4753.18	12/04/2014	3-120-0612	H14120242-010	6	12	7.1		1240		11		8150		707		3190		13298	FAIL				
732982.17	1142392.16	4753.18	12/04/2014	3-120-1218	H14120242-011	12	18	7.6		41		1	U	190		30		186		448	PASS				
732982.17	1142392.16	4753.18	12/04/2014	3-120-1824	H14120242-012	18	24	7.5		10		1	U	55		14		84		164	PASS				
3-121																									
732979.92	1142266.60	4752.28	12/04/2014	3-121-1218	H14120242-013	12	18	7.3		103		9		2030		62		3550		5754	FAIL				
732979.92	1142266.60	4752.28	12/04/2014	3-121-1824	H14120242-014	18	24	7.4		6		1	U	31		13		125		176	PASS				
732979.92	1142266.60	4752.28	12/04/2014	3-121-2430	H14120242-015	24	30	6.8		7		1	U	38		14		140		200	PASS				
3-122																									
732984.12	1142200.25	4752.31	12/04/2014	3-122-4854	H14120242-016	48	54	6.9		13		8		4660		8		657		5346	FAIL				
732984.12	1142200.25	4752.31	12/04/2014	3-122-5460	H14120242-017	54	60	6.6		21		1	U	3070		22		351		3465	FAIL				
3-123																									
732990.25	1142016.50	4752.82	10/31/2014	3-123-1824	H14110012-051	18	24	7.7		13		2		273		16		344		648	PASS				
732990.25	1142016.50	4752.82	10/31/2014	3-123-2430	H14110012-052	24	30	7.6		167		1	U	957		104		301		1530	FAIL				
732990.25	1142016.50	4752.82	10/31/2014	3-123-3036	H14110012-053	30	36	7.9		12		1	U	73		16		67		169	PASS				
3-124																									
732995.95	1141891.62	4752.78	11/21/2014	3-124-1824	H14120033-001	18	24	7.1		401		2		407		261		625		1696	FAIL				
732995.95	1141891.62	4752.78	11/21/2014	3-124-2430	H14120033-002	24	30	7.7		232		5		2230		135		1400		4002	FAIL				
732995.95	1141891.62	4752.78	11/21/2014	3-124-3036	H14120033-003	30	36	7.5		125		1		875		82		403		1486	FAIL				
732995.95	1141891.62	4752.78	11/21/2014	3-124-3642	H14120307-004	36	42	7.4		13		1	U	78		16		82		190	PASS				
732995.95	1141891.62	4752.78	11/21/2014	3-124-4248	H14120307-005	42	48	7.8		3		1	U	22		8		39		73	PASS				
3-125																									
733001.63	1141767.08	4752.86	10/31/2014	3-125-1824	H14110012-054	18	24	7.3		1320		15		12000		907		3670		17912	FAIL				
733001.63	1141767.08	4752.86	10/31/2014	3-125-2430	H14110012-055	24	30	7.3		40		1	U	140		24		130		335	PASS				
733001.63	1141767.08	4752.86	10/31/2014	3-125-3036	H14110012-056	30	36	7.6		11		1	U	37		14		75		138	PASS				
3-126																									
733005.13	1141506.74	4753.35	11/06/2014	3-126-0006	H14110219-035	0	6	7.8		144		2		848		190		943		2127	FAIL				
733005.13	1141506.74	4753.35	11/06/2014	3-126-0612	H14110219-036	6	12	7.7		384		4		2580		316		1110		4394	FAIL				
733005.13	1141506.74	4753.35	11/06/2014	3-126-1218	H14110219-037	12	18	7.5		8		1	U	39		11		60		119	PASS				
3-126W																									
733019.99	1141433.72	4755.86	11/06/2014	3-126W-0006	H14110219-038	0	6	8.1		62		1	U	43		5		40		151	PASS				
3-127																									
733046.18	1141643.42	4753.41	11/06/2014	3-127-0612	H14110219-039	6	12	7.8		405		3		2230		360		1200		4198	FAIL				
733046.18	1141643.42	4753.41	11/06/2014	3-127-1218	H14110219-040	12	18	7.6		66		1		470		68		529		1134	PASS				
733046.18	1141643.42	4753.41	11/06/2014	3-127-1824	H14110219-042	18	24	7.6		53		1	U	382		62		226		724	PASS				

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

			CHEMICAL_NAME REPORT_RESULT_UNIT					pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg				
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL	
3-128																						
733090.11	1142520.54	4752.60	12/04/2014	3-128-0612	H14120242-018	6	12	7.2		1220		15		9460		726		3980		15401	FAIL	
733090.11	1142520.54	4752.60	12/04/2014	3-128-1218	H14120242-019	12	18	7.6		29		1 U	151		31		183				395	PASS
733090.11	1142520.54	4752.60	12/04/2014	3-128-1824	H14120242-020	18	24	7.8		31		1 U	377		57		259				725	PASS
3-129																						
733111.19	1142396.13	4751.42	12/04/2014	3-129-0612	H14120242-021	6	12	7		2640		16		27200		1060		3990		34906	FAIL	
733111.19	1142396.13	4751.42	12/04/2014	3-129-1218	H14120242-022	12	18	6.7		14		1		173		16		567			771	PASS
733111.19	1142396.13	4751.42	12/04/2014	3-129-1824	H14120242-023	18	24	6.8		8		1 U	87		7		126				229	PASS
3-130																						
733106.08	1142272.77	4751.35	12/04/2014	3-130-0612	H14120242-024	6	12	7.1		1760		7		11200		936		3090		16993	FAIL	
733106.08	1142272.77	4751.35	12/04/2014	3-130-1218	H14120242-025	12	18	6.4		12		1 U	55		18		98				184	PASS
733106.08	1142272.77	4751.35	12/04/2014	3-130-1824	H14120242-026	18	24	6.6		6		1 U	25		11		57				100	PASS
3-131																						
733124.32	1141727.05	4753.07	11/06/2014	3-131-0612	H14110219-043	6	12	7.6		871		8		5420		493		2330		9122	FAIL	
733124.32	1141727.05	4753.07	11/06/2014	3-131-1218	H14110219-044	12	18	7.8		17		1 U	91		19		102				230	PASS
733124.32	1141727.05	4753.07	11/06/2014	3-131-1824	H14110219-045	18	24	7.5		6		1 U	40		19		95				161	PASS
3-131W																						
733162.72	1141609.94	4754.31	11/06/2014	3-131W-0006	H14110219-046	0	6	8		219		3		964		182		929		2297	FAIL	
733162.72	1141609.94	4754.31	11/06/2014	3-131W-0612	H14110219-047	6	12	7.9		8		1 U	36		9		57				111	PASS
733162.72	1141609.94	4754.31	11/06/2014	3-131W-1218	H14110219-048	12	18	7.8		4		1 U	23		8		39				75	PASS
3-131W2																						
733186.36	1141487.86	4756.58	11/06/2014	3-131W2-0006	H15030388-019	0	6	8.1		102		1		188		28		130		449	PASS	
3-132																						
733111.59	1142122.79	4752.23	10/31/2014	3-132-3642	H14110012-057	36	42	7.2		308		4		1720		175		1580		3787	FAIL	
733111.59	1142122.79	4752.23	10/31/2014	3-132-4248	H14110012-058	42	48	7		340		20		4400		260		6630		11650	FAIL	
733111.59	1142122.79	4752.23	10/31/2014	3-132-4854	H14110012-059	48	54	7.2		134		3		1820		59		1720		3736	FAIL	
3-133																						
733114.15	1142021.49	4753.45	10/31/2014	3-133-3036	H14110012-060	30	36	5.9		11		16		333		20		3060		3440	FAIL	
733114.15	1142021.49	4753.45	10/31/2014	3-133-3642	H14110012-061	36	42	6.7		4		2		25		12		1440		1483	FAIL	
733114.15	1142021.49	4753.45	10/31/2014	3-133-4248	H14110012-062	42	48	7.4		28		2		2460		21		773		3284	FAIL	
733114.15	1142021.49	4753.45	10/31/2014	3-133-4854	H14120078-006	48	54	7.6		9		1 U	871		12		195				1088	PASS
733114.15	1142021.49	4753.45	10/31/2014	3-133-5460	H14120078-007	54	60	7.7		41		1 U	367		15		352				776	PASS
3-134																						
733150.79	1141877.52	4752.36	10/31/2014	3-134-1218	H14110012-063	12	18	6.8		2030		15		21100		1170		4300		28615	FAIL	
733150.79	1141877.52	4752.36	10/31/2014	3-134-1824	H14110012-064	18	24	7.2		1300		7		5460		405		2270		9442	FAIL	
733150.79	1141877.52	4752.36	10/31/2014	3-134-2430	H14110012-065	24	30	7.8		112		1 U	285		57		217				672	PASS
3-135																						
733192.05	1142529.16	4752.66	12/05/2014	3-135-0006	H14120242-027	0	6	7.9		771		4		3230		449		1490		5944	FAIL	
733192.05	1142529.16	4752.66	12/05/2014	3-135-0612	H14120242-028	6	12	7.6		16		1 U	66		19		104				206	PASS
733192.05	1142529.16	4752.66	12/05/2014	3-135-1218	H14120242-029	12	18	7.6		9		1 U	45		17		167				239	PASS
3-136																						
733209.01	1142779.96	4750.96	12/08/2014	3-136-2430	H14120241-006	24	30	7.8		1910		12		13300		1410		3650		20282	FAIL	
733209.01	1142779.96	4750.96	12/08/2014	3-136-3036	H14120241-007	30	36	7.2		16		1 U	129		24		215				385	PASS
733209.01	1142779.96	4750.96	12/08/2014	3-136-3642	H14120241-008	36	42	6.9		9		1 U	46		17		88				161	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
3-136S																					
733053.19	1142804.31	4751.80	12/08/2014	3-136S-0006	H15010160-024	0	6	7.7		590		16		4210		607		3760		9183	FAIL
733053.19	1142804.31	4751.80	12/08/2014	3-136S-0612	H15010160-025	6	12	7.6		19		1 U		82		15		86		203	PASS
733053.19	1142804.31	4751.80	12/08/2014	3-136S-1218	H14120241-009	12	18	7.8		21		1 U		133		25		112		292	PASS
733053.19	1142804.31	4751.80	12/08/2014	3-136S-1824	H14120241-010	18	24	7.6		10		1 U		35		15		73		134	PASS
733053.19	1142804.31	4751.80	12/08/2014	3-136S-2430	H14120241-011	24	30	7.8		3		1 U		22		10		47		83	PASS
3-136S2																					
732957.56	1142745.89	4752.92	12/08/2014	3-136S2-0006	H14120241-012	0	6	7.9		782		10		5330		669		2560		9351	FAIL
732957.56	1142745.89	4752.92	12/08/2014	3-136S2-0612	H14120241-013	6	12	7.8		32		1 U		190		31		138		392	PASS
732957.56	1142745.89	4752.92	12/08/2014	3-136S2-1218	H14120241-014	12	18	8		13		1 U		45		15		74		148	PASS
3-136SE																					
733026.83	1142925.80	4752.77	12/08/2014	3-136SE-0006	H14120241-015	0	6	8.2		658		14		3570		485		3060		7787	FAIL
733026.83	1142925.80	4752.77	12/08/2014	3-136SE-0612	H14120241-016	6	12	7.8		16		1 U		67		16		84		184	PASS
733026.83	1142925.80	4752.77	12/08/2014	3-136SE-1218	H14120241-017	12	18	7.8		7		1 U		43		9		46		106	PASS
3-137																					
733212.95	1142652.71	4750.68	12/05/2014	3-137-0612	H14120242-030	6	12	7.3		2670		9		2600		1010		2560		8849	FAIL
733212.95	1142652.71	4750.68	12/05/2014	3-137-1218	H14120242-031	12	18	7.6		33		8		3190		63		1140		4434	FAIL
733212.95	1142652.71	4750.68	12/05/2014	3-137-1824	H14120242-032	18	24	7.2		9		1 U		74		20		119		223	PASS
3-137S																					
733101.65	1142692.60	4751.67	12/08/2014	3-137S-0006	H14120241-018	0	6	7.8		976		11		4810		497		3250		9544	FAIL
733101.65	1142692.60	4751.67	12/08/2014	3-137S-0612	H14120241-019	6	12	7.8		114		2		1040		117		611		1884	FAIL
733101.65	1142692.60	4751.67	12/08/2014	3-137S-1218	H14120241-020	12	18	7.8		14		1 U		103		21		112		251	PASS
3-137S2																					
732988.08	1142647.24	4752.50	12/08/2014	3-137S2-0006	H14120241-021	0	6	8.7		111		2		660		89		416		1278	PASS
732988.08	1142647.24	4752.50	12/08/2014	3-137S2-0612	H14120241-022	6	12	8.4		45		1 U		75		15		83		219	PASS
732988.08	1142647.24	4752.50	12/08/2014	3-137S2-1218	H14120241-023	12	18	8.3		21		1 U		45		14		79		160	PASS
3-138																					
733214.77	1141879.75	4752.50	10/31/2014	3-138-3036	H14110012-066	30	36	7.6		115		1 U		445		78		402		1041	PASS
733214.77	1141879.75	4752.50	10/31/2014	3-138-3642	H14110012-067	36	42	7.7		13		1 U		52		21		105		192	PASS
733214.77	1141879.75	4752.50	10/31/2014	3-138-4248	H14110012-068	42	48	6.9		12		1 U		32		13		179		237	PASS
733214.77	1141879.75	4752.50	11/01/2014	3-138-1824	H14120078-008	18	24	7.2		3420		17		10800		1020		6190		21447	FAIL
733214.77	1141879.75	4752.50	11/01/2014	3-138-2430	H14120078-009	24	30	7.4		39		1		250		34		796		1120	PASS
3-138W																					
733255.10	1141760.64	4752.94	11/05/2014	3-138W-0006	H14110217-056	0	6	7.9		570		4		2450		537		1250		4811	FAIL
733255.10	1141760.64	4752.94	11/05/2014	3-138W-0612	H14110217-057	6	12	8		15		1 U		54		14		111		195	PASS
733255.10	1141760.64	4752.94	11/05/2014	3-138W-1218	H14110217-059	12	18	7.6		5		1 U		27		13		62		108	PASS
3-138W2																					
733256.57	1141638.35	4753.32	11/06/2014	3-138W2-0006	H14110217-060	0	6	8.1		249		3		1090		189		866		2397	FAIL
733256.57	1141638.35	4753.32	11/06/2014	3-138W2-0612	H14110219-050	6	12	7.9		14		1 U		59		14		84		172	PASS
733256.57	1141638.35	4753.32	11/06/2014	3-138W2-1218	H14110219-051	12	18	7.8		11		1 U		65		19		102		198	PASS
3-138W3																					
733239.90	1141509.98	4756.38	11/06/2014	3-183W3-0006	H14110219-052	0	6	8		106		2		172		38		150		468	PASS
3-139																					
733223.84	1142402.97	4750.82	12/04/2014	3-139-1824	H14120242-033	18	24	7.4		25		10		1200		32		2610		3877	FAIL
733223.84	1142402.97	4750.82	12/04/2014	3-139-2430	H14120242-034	24	30	6.9		14		1 U		61		26		189		291	PASS
733223.84	1142402.97	4750.82	12/04/2014	3-139-3036	H14120242-035	30	36	6.6		13		1 U		50		19		96		179	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD		Y_COORD		SURFACE ELEVATION (FT)		Sample Date		SAMPLE ID		LAB SAMPLE ID		CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)		PASS/FAIL
Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	PASS/FAIL
3-140																												
733229.14		1142275.40		4751.73		12/04/2014		3-140-3036		H14120242-036		30	36	6.9		6		1	U	76		12		550		645		PASS
733229.14		1142275.40		4751.73		12/04/2014		3-140-3642		H14120242-037		36	42	7.3		3		5		921		9		416		1354		PASS
733229.14		1142275.40		4751.73		12/04/2014		3-140-4248		H14120242-038		42	48	7.1		3		1		1620		9		231		1864		FAIL
3-141																												
733233.46		1142152.23		4752.69		12/04/2014		3-141-3036		H14120242-039		30	36	7		5		1	U	3870		16		211		4103		FAIL
733233.46		1142152.23		4752.69		12/04/2014		3-141-3642		H14120242-040		36	42	7.2		6		1	U	1270		16		132		1425		FAIL
733233.46		1142152.23		4752.69		12/04/2014		3-141-4248		H14120242-041		42	48	7.5		6		1	U	1420		17		164		1608		FAIL
3-142																												
733239.25		1142052.16		4751.56		12/04/2014		3-142-4248		H14120242-042		42	48	6.7		266		7		2680		331		4820		8104		FAIL
733239.25		1142052.16		4751.56		12/04/2014		3-142-4854		H14120242-043		48	54	7.2		228		6		2190		305		2820		5549		FAIL
3-143																												
733287.68		1141931.61		4752.32		11/03/2014		3-143-1824		H14110064-001		18	24	7.3		55		1	U	63		13		1730		1862		FAIL
733287.68		1141931.61		4752.32		11/03/2014		3-143-2430		H14110064-002		24	30	7.7		8		1		53		8		294		364		PASS
733287.68		1141931.61		4752.32		11/03/2014		3-143-3036		H14110064-003		30	36	7.8		10		1	U	54		15		256		336		PASS
3-143W																												
733317.30		1141808.73		4753.12		11/05/2014		3-143W-0006		H14110217-061		0	6	7.7		547		6		3500		481		2130		6664		FAIL
733317.30		1141808.73		4753.12		11/05/2014		3-143W-0612		H14110217-062		6	12	7.6		10		1	U	66		16		90		183		PASS
733317.30		1141808.73		4753.12		11/05/2014		3-143W-1218		H14110217-063		12	18	7.7		3		1	U	31		12		66		113		PASS
3-143W2																												
733327.80		1141687.90		4753.23		11/05/2014		3-143W2-0612		H14110217-064		6	12	7.8		249		4		1380		243		1300		3176		FAIL
733327.80		1141687.90		4753.23		11/05/2014		3-143W2-1218		H14110217-065		12	18	7.7		11		1	U	58		16		93		179		PASS
733327.80		1141687.90		4753.23		11/05/2014		3-143W2-1824		H14110217-066		18	24	7.7		10		1	U	91		22		115		239		PASS
3-143W3																												
733334.65		1141561.84		4753.74		11/05/2014		3-143W3-0006		H14110219-053		0	6	7.8		187		3		1040		195		980		2405		FAIL
733334.65		1141561.84		4753.74		11/05/2014		3-143W3-0006		H14110217-067		0	6	7.8		229		3		1480		307		1260		3279		FAIL
733334.65		1141561.84		4753.74		11/05/2014		3-143W3-0612		H14110217-068		6	12	7.6		7		1	U	28		10		57		103		PASS
733334.65		1141561.84		4753.74		11/05/2014		3-143W3-1218		H14110217-069		12	18	7.6		3		1	U	34		16		82		136		PASS
3-143W4																												
733349.76		1141439.17		4755.50		11/05/2014		3-143W4-0006		H14110217-076		0	6	7.8		85		1	U	152		25		114		377		PASS
3-144																												
733308.88		1142222.32		4752.12		12/04/2014		3-144-3642		H14120242-044		36	42	7.9		13		1		2780		23		244		3061		FAIL
733308.88		1142222.32		4752.12		12/04/2014		3-144-4248		H14120242-045		42	48	7.9		10		1		3670		11		211		3903		FAIL
3-145																												
733323.84		1142906.80		4750.43		12/08/2014		3-145-1218		H14120241-024		12	18	7.8		2010		17		17100		1970		4080		25177		FAIL
733323.84		1142906.80		4750.43		12/08/2014		3-145-1824		H14120241-026		18	24	6.6		33		1	U	166		29		160		389		PASS
733323.84		1142906.80		4750.43		12/08/2014		3-145-2430		H14120241-027		24	30	6.9		9		1	U	51		14		82		157		PASS
3-145E																												
733332.84		1143021.04		4750.94		12/08/2014		3-145E-0006		H14120241-028		0	6	7.7		382		9		2300		414		1590		4695		FAIL
733332.84		1143021.04		4750.94		12/08/2014		3-145E-0612		H14120241-029		6	12	7.8		32		1	U	138		16		75		262		PASS
3-145S																												
733208.83		1142872.68		4750.72		12/08/2014		3-145S-1824		H14120241-030		18	24	7.7		2490		20		21600		1230		3990		29330		FAIL
733208.83		1142872.68		4750.72		12/08/2014		3-145S-2430		H14120241-031		24	30	7.4		29		1	U	174		28		109		341		PASS
733208.83		1142872.68		4750.72		12/08/2014		3-145S-3036		H14120241-032		30	36	7.6		59		1	U	417		52		162		691		PASS
3-145SE																												
733198.24		1143002.22		4751.38		12/09/2014		3-145SE-0006		H14120316-001		0	6	7.9		508		11		3070		538		1920		6047		FAIL
733198.24		1143002.22		4751.38		12/09/2014		3-145SE-0612		H14120316-002		6	12	7.7		18		1	U	65		15		80		179		PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg	SUM OF COC (MG/KG)		PASS/FAIL								
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			
3-146																				
733331.41	1142792.75	4750.33	12/05/2014	3-146-0612	H14120242-046	6	12	7.6		88		22		10300		343		5310	16063	FAIL
733331.41	1142792.75	4750.33	12/05/2014	3-146-1218	H14120242-047	12	18	7.5		5	1 U	108		19		208		341		PASS
733331.41	1142792.75	4750.33	12/05/2014	3-146-1824	H14120242-048	18	24	7.1		8	1 U	439		14		229		691		PASS
3-147																				
733337.08	1142657.72	4750.05	11/03/2014	3-147-3036	H14110064-004	30	36	7		305		5		1890		217		3170	5587	FAIL
733337.08	1142657.72	4750.05	11/03/2014	3-147-3642	H14110064-005	36	42	7.9		91		9		816		109		2530	3555	FAIL
733337.08	1142657.72	4750.05	11/03/2014	3-147-4248	H14110064-006	42	48	7.7		39		1		183		26		838	1087	PASS
3-148																				
733343.45	1142532.19	4751.47	11/03/2014	3-148-2430	H14110064-007	24	30	6.7		8		6		7800		10		1540	9364	FAIL
733343.45	1142532.19	4751.47	11/03/2014	3-148-3036	H14110064-008	30	36	6.8		4		4		254		9		1090	1361	PASS
733343.45	1142532.19	4751.47	11/03/2014	3-148-3642	H14110064-009	36	42	6.6		4	1 U	85		9		332		431		PASS
3-149																				
733348.61	1142408.01	4751.48	11/03/2014	3-149-1824	H14110064-010	18	24	7		37		15		21700		24		5000	26776	FAIL
733348.61	1142408.01	4751.48	11/03/2014	3-149-2430	H14110064-011	24	30	7.5		6	1 U	202		11		461		681		PASS
733348.61	1142408.01	4751.48	11/03/2014	3-149-3036	H14110064-013	30	36	7.1		68		3		772		50		602	1495	FAIL
733348.61	1142408.01	4751.48	11/03/2014	3-149-3642	H14120313-001	36	42	7.1		14		2		997		14		234	1261	PASS
733348.61	1142408.01	4751.48	11/03/2014	3-149-4248	H14120313-002	42	48	7.2		11		1		889		11		137	1049	PASS
3-150																				
733355.28	1142282.11	4752.10	12/04/2014	3-150-4854	H14120242-049	48	54	7.3		8		1		4220		11		369	4609	FAIL
733355.28	1142282.11	4752.10	12/04/2014	3-150-5460	H14120242-050	54	60	7.6		21	1 U	4390		23		320		4755		FAIL
733355.28	1142282.11	4752.10	12/04/2014	3-150-6066	H14120242-051	60	66	7.6		5	1 U	1970		12		244		2232		FAIL
733355.28	1142282.11	4752.10	12/04/2014	3-150-6672	H15010160-027	66	72	7.3		70		1		3390		61		455	3977	FAIL
3-151																				
733350.43	1142175.11	4752.07	12/04/2014	3-151-1824	H14120242-052	18	24	7.6		31		7		8560		49		1610	10257	FAIL
733350.43	1142175.11	4752.07	12/04/2014	3-151-2430	H14120242-053	24	30	7		45	1 U	117		32		155		350		PASS
733350.43	1142175.11	4752.07	12/04/2014	3-151-3036	H14120242-054	30	36	6.9		13	1 U	59		16		82		171		PASS
3-152																				
20042.00	1141996.90	4751.77	10/31/2014	3-152-1218	H14110012-069	12	18	7.6		830		12		8700		2000		3790	15332	FAIL
20042.00	1141996.90	4751.77	10/31/2014	3-152-1824	H14110012-070	18	24	7.8		149		3		840		359		1230	2581	FAIL
20042.00	1141996.90	4751.77	10/31/2014	3-152-2430	H14110012-071	24	30	7.8		65	1 U	463		81		249		859		PASS
3-153																				
733359.93	1141889.73	4752.02	11/03/2014	3-153-1218	H14110064-014	12	18	7.5		424		32		13500		266		3210	17432	FAIL
733359.93	1141889.73	4752.02	11/03/2014	3-153-1824	H14110064-015	18	24	7.6		33		4		487		15		1510	2049	FAIL
733359.93	1141889.73	4752.02	11/03/2014	3-153-2430	H14110064-016	24	30	7.7		21	1 U	88		18		369		497		PASS
3-153W																				
733376.12	1141763.11	4753.08	11/05/2014	3-153W-0006	H14110217-077	0	6	7.8		365		4		1930		307		1220	3826	FAIL
733376.12	1141763.11	4753.08	11/05/2014	3-153W-0612	H14110217-078	6	12	7.7		17	1 U	69		15		93		195		PASS
733376.12	1141763.11	4753.08	11/05/2014	3-153W-1218	H14110217-079	12	18	7.6		6	1 U	45		25		89		166		PASS
3-153W2																				
733386.23	1141640.77	4753.29	11/05/2014	3-153-W2-0006	H14110218-001	0	6	7.6		160		3		1200		202		842	2407	FAIL
3-155																				
733454.96	1142783.61	4749.74	12/05/2014	3-155-1218	H14120242-055	12	18	7.5		22		19		3180		25		2920	6166	FAIL
733454.96	1142783.61	4749.74	12/05/2014	3-155-1824	H14120242-056	18	24	7.4		22	1 U	157		28		210		418		PASS
733454.96	1142783.61	4749.74	12/05/2014	3-155-2430	H14120242-058	24	30	7.4		4	1 U	91		13		184		293		PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			
3-156																				
733463.00	1142663.24	4748.16	11/03/2014	3-156-0006	H14110064-017	0	6	7.4		115		5		847		115		1150	2232	FAIL
733463.00	1142663.24	4748.16	11/03/2014	3-156-0612	H14110064-018	6	12	7.4		144		3		861		132		1210	2350	FAIL
733463.00	1142663.24	4748.16	11/03/2014	3-156-1218	H14110064-019	12	18	7.3		134		4		737		122		1150	2147	FAIL
733463.00	1142663.24	4748.16	11/03/2014	3-156-1824	H14120313-003	18	24	7.2		123		3		658		108		742	1634	FAIL
733463.00	1142663.24	4748.16	11/03/2014	3-156-2430	H14120313-004	24	30	7.5		127		2		473		77		609	1288	PASS
3-157																				
733468.51	1142538.03	4750.65	11/04/2014	3-157-3642	H14110218-041	36	42	6.9		13		6		13100		13		524	13656	FAIL
733468.51	1142538.03	4750.65	11/04/2014	3-157-4248	H14110218-042	42	48	7.3		7		2		3580		12		456	4057	FAIL
3-158																				
733475.93	1142412.39	4749.78	11/03/2014	3-158-1824	H14110064-020	18	24	7		11		5		2360		15		1160	3551	FAIL
733475.93	1142412.39	4749.78	11/03/2014	3-158-2430	H14110064-021	24	30	7		4		2		802		9		693	1510	FAIL
733475.93	1142412.39	4749.78	11/03/2014	3-158-3036	H14110064-022	30	36	7.4		6		1U		283		10		142	442	PASS
3-159																				
733478.90	1142287.87	4751.22	11/03/2014	3-159-0612	H14110064-023	6	12	7.4		8		22		9970		28		5110	15138	FAIL
733478.90	1142287.87	4751.22	11/03/2014	3-159-1218	H14110064-024	12	18	7.4		6		1U		158		16		174	355	PASS
733478.90	1142287.87	4751.22	11/03/2014	3-159-1824	H14110064-025	18	24	6.9		24		1U		1490		37		292	1844	FAIL
733478.90	1142287.87	4751.22	11/03/2014	3-159-2430	H14120313-005	24	30	7		12		1U		184		15		94	306	PASS
733478.90	1142287.87	4751.22	11/03/2014	3-159-3036	H14120313-006	30	36	7		13		1U		44		12		62	132	PASS
3-160																				
733484.55	1142163.58	4752.11	11/03/2014	3-160-0612	H14110064-026	6	12	6.9		83		16		36800		251		6120	43270	FAIL
733484.55	1142163.58	4752.11	11/03/2014	3-160-1218	H14110064-027	12	18	7.6		65		2		830		54		1460	2411	FAIL
733484.55	1142163.58	4752.11	11/03/2014	3-160-1824	H14110064-028	18	24	7.6		8		1U		66		14		167	256	PASS
3-161																				
733489.79	1142038.44	4751.90	11/03/2014	3-161-0006	H14120313-007	0	6	7.4		652		4		3190		443		1250	5539	FAIL
733489.79	1142038.44	4751.90	11/03/2014	3-161-0612	H14120313-009	6	12	7.4		2050		8		7870		947		2660	13535	FAIL
733489.79	1142038.44	4751.90	11/03/2014	3-161-1218	H14110064-029	12	18	7.8		48		1U		466		51		259	825	PASS
733489.79	1142038.44	4751.90	11/03/2014	3-161-1824	H14110064-030	18	24	7.5		10		1U		152		18		269	450	PASS
733489.79	1142038.44	4751.90	11/03/2014	3-161-2430	H14110064-031	24	30	7.3		9		1U		103		16		175	304	PASS
3-162																				
733495.55	1141912.28	4751.91	11/04/2014	3-162-2430	H14110218-043	24	30	7.2		810		14		6150		633		5850	13457	FAIL
733495.55	1141912.28	4751.91	11/04/2014	3-162-3036	H14110218-044	30	36	7.4		14		1U		98		22		119	254	PASS
733495.55	1141912.28	4751.91	11/04/2014	3-162-3642	H14110218-045	36	42	7.5		7		1U		55		18		102	183	PASS
3-163																				
733500.37	1141789.25	4752.28	11/05/2014	3-163-0006	H14110218-002	0	6	7.8		421		4		1620		344		1230	3619	FAIL
733500.37	1141789.25	4752.28	11/05/2014	3-163-0612	H14110218-003	6	12	7.6		17		1U		72		22		112	224	PASS
733500.37	1141789.25	4752.28	11/05/2014	3-163-1218	H14110218-004	12	18	7.6		7		1U		47		18		98	171	PASS
3-163W																				
733487.35	1141742.57	4752.50	11/05/2014	3-163W-0006	H14110217-049	0	6	7.8		248		3		1250		183		955	2639	FAIL
733487.35	1141742.57	4752.50	11/05/2014	3-163W-0612	H14110218-006	6	12	7.8		27		1U		63		18		110	219	PASS
733487.35	1141742.57	4752.50	11/05/2014	3-163W-1218	H14110218-007	12	18	7.7		9		1U		43		18		96	167	PASS
3-163W2																				
733476.98	1141670.18	4752.84	11/05/2014	3-163W2-0006	H14110217-029	0	6	8		297		4		1070		223		1020	2614	FAIL
733476.98	1141670.18	4752.84	11/05/2014	3-163W2-0612	H14110218-009	6	12	7.7		19		1U		109		21		107	257	PASS
733476.98	1141670.18	4752.84	11/05/2014	3-163W2-1218	H14110218-010	12	18	7.7		5		1U		26		16		60	108	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM		COPPER		LEAD		ZINC		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
3-163W3																					
733464.70	1141543.42	4752.92	11/05/2014	3-163W3-0006	H14110217-019	0	6	7.7		472	J	5		1750		399		1650		4276	FAIL
733464.70	1141543.42	4752.92	11/05/2014	3-163W3-0612	H14110218-012	6	12	7.7		6		1	U	29		10		62		108	PASS
733464.70	1141543.42	4752.92	11/05/2014	3-163W3-1218	H14110218-013	12	18	7.7		2		1	U	30		14		65		112	PASS
3-163W4																					
733452.143	1141422.83	4755.026	11/05/2014	3-163W4-0006	H14110218-014	0	6	8		90		1	U	126		17		93		327	PASS
3-164																					
733542.16	1142509.86	4750.29	11/03/2014	3-164-6066	H14110064-032	60	66	7.5		6		1		7510		8		459		7984	FAIL
733542.16	1142509.86	4750.29	11/03/2014	3-164-6672	H14110064-033	66	72	7.5		14		1	U	6450		9		434		6908	FAIL
733542.16	1142509.86	4750.29	11/03/2014	3-164-7278	H14110064-034	72	78	7.7		8		1	U	4190		5		350		4554	FAIL
3-165																					
733564.11	1143166.63	4749.56	12/08/2014	3-165-1218	H14120241-033	12	18	7.7		901		12		6580		587		3440		11520	FAIL
733564.11	1143166.63	4749.56	12/08/2014	3-165-1824	H14120241-034	18	24	8.2		20		1	U	90		19		106		236	PASS
733564.11	1143166.63	4749.56	12/08/2014	3-165-2430	H14120241-035	24	30	7.9		6		1	U	37		10		62		116	PASS
3-166																					
733571.98	1143043.25	4747.30	12/08/2014	3-166-0612	H14120241-036	6	12	7.8		2420		17		16700		1620		3980		24737	FAIL
733571.98	1143043.25	4747.30	12/08/2014	3-166-1218	H14120241-037	12	18	7.8		53		2		485		32		744		1316	PASS
733571.98	1143043.25	4747.30	12/08/2014	3-166-1824	H14120241-039	18	24	7.3		21		1	U	57		21		131		231	PASS
3-166S																					
733453.34	1142939.06	4749.15	12/08/2014	3-166S-0006	H14120241-040	0	6	7.7		1000		5		1310		565		1570		4450	FAIL
733453.34	1142939.06	4749.15	12/08/2014	3-166S-0612	H14120241-041	6	12	7.7		66		10		1350		150		2870		4446	FAIL
733453.34	1142939.06	4749.15	12/08/2014	3-166S-1218	H14120241-042	12	18	7.8		12		1	U	100		12		790		915	PASS
733453.34	1142939.06	4749.15	12/08/2014	3-166S-1824	H14120241-043	18	24	7.4		18		2		338		21		982		1361	PASS
3-167																					
733570.70	1142020.95	4751.87	11/03/2014	3-167-1824	H14110064-035	18	24	7.6		41		3		367		29		2640		3080	FAIL
733570.70	1142020.95	4751.87	11/03/2014	3-167-2430	H14110064-036	24	30	7.4		77		1	U	658		51		596		1383	PASS
733570.70	1142020.95	4751.87	11/03/2014	3-167-3036	H14110064-038	30	36	7.1		118		1	U	318		56		235		728	PASS
3-168																					
733576.64	1142918.90	4748.52	12/08/2014	3-168-1824	H14120241-044	18	24	7.3		20		10		352		28		1920		2330	FAIL
733576.64	1142918.90	4748.52	12/08/2014	3-168-2430	H14120241-045	24	30	7.3		5		2		179		9		650		845	PASS
733576.64	1142918.90	4748.52	12/08/2014	3-168-3036	H14120241-046	30	36	7.4		12		3		310		17		817		1159	PASS
3-169																					
733582.82	1142786.57	4750.17	12/08/2014	3-169-3036	H14120241-047	30	36	6.4		26		6		196		32		1630		1890	FAIL
733582.82	1142786.57	4750.17	12/08/2014	3-169-3642	H14120241-048	36	42	7.2		18		3		215		24		1060		1320	PASS
733582.82	1142786.57	4750.17	12/08/2014	3-169-4248	H14120241-049	42	48	7.3		12		2		64		15		696		789	PASS
3-170																					
733588.86	1142666.65	4750.87	12/04/2014	3-170-2430	H15010160-028	24	30	6.9		7		29		27100		14		6100		33250	FAIL
733588.86	1142666.65	4750.87	12/04/2014	3-170-3036	H15010160-029	30	36	6.5		4		1	U	113		9		478		605	PASS
733588.86	1142666.65	4750.87	12/04/2014	3-170-3642	H15010160-030	36	42	6.2		7		1	U	46		12		125		191	PASS
733588.86	1142666.65	4750.87	12/05/2014	3-170-4248	H14120242-059	42	48	5.9		4		1	U	43		11		643		702	PASS
733588.86	1142666.65	4750.87	12/05/2014	3-170-4854	H14120242-060	48	54	7		5		1	U	156		10		299		471	PASS
733588.86	1142666.65	4750.87	12/05/2014	3-170-5460	H14120242-061	54	60	7.4		19		1		638		16		299		973	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM		COPPER		LEAD		ZINC		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
3-171																					
733597.88	1142419.64	4750.36	11/03/2014	3-171-2430	H14120313-010	24	30	7.4		20		77		2950		21		15100	18168	FAIL	
733597.88	1142419.64	4750.36	11/03/2014	3-171-3036	H14120313-011	30	36	7.5		16		2		194		25		1140	1377	PASS	
733597.88	1142419.64	4750.36	11/03/2014	3-171-3642	H14120313-012	36	42	7.6		10		1 U		77		21		528	637	PASS	
733597.88	1142419.64	4750.36	11/03/2014	3-171-4248	H14110064-039	42	48	7.6		17		1 U		202		37		173	430	PASS	
733597.88	1142419.64	4750.36	11/03/2014	3-171-4854	H14110064-040	48	54	7.7		7		1 U		42		23		107	180	PASS	
733597.88	1142419.64	4750.36	11/03/2014	3-171-5460	H14110064-041	54	60	7.6		6		1 U		61 J		17		111	196	PASS	
3-172																					
733604.17	1142293.94	4751.37	11/04/2014	3-172-1218	H14110218-046	12	18	7.3		816		23		8990		647		5850	16326	FAIL	
733604.17	1142293.94	4751.37	11/04/2014	3-172-1824	H14110218-047	18	24	7.2		9		1 U		68		19		213	310	PASS	
733604.17	1142293.94	4751.37	11/04/2014	3-172-2430	H14110218-049	24	30	7.4		10		1 U		103		14		147	275	PASS	
3-173																					
733609.28	1142169.30	4750.84	11/04/2014	3-173-0006	H14110218-050	0	6	7.4		1250		24		13900		919		5000	21093	FAIL	
733609.28	1142169.30	4750.84	11/04/2014	3-173-0612	H14110218-051	6	12	7.4		19		1 U		279		38		212	549	PASS	
733609.28	1142169.30	4750.84	11/04/2014	3-173-1218	H14110218-052	12	18	7.4		4		1 U		24		10		49	88	PASS	
3-174																					
733617.37	1142043.18	4751.54	11/03/2014	3-174-1218	H14110064-042	12	18	7.5		20		118		21700		17		17500	39355	FAIL	
733617.37	1142043.18	4751.54	11/03/2014	3-174-1824	H14110064-043	18	24	6.9		7		4		762 J		15		1560	2348	FAIL	
733617.37	1142043.18	4751.54	11/03/2014	3-174-2430	H14110064-044	24	30	6.8		6		2		229 J		15		940	1192	PASS	
3-175																					
733619.84	1141918.70	4751.19	11/04/2014	3-175-1218	H14120311-001	12	18	7.3		633		4		3950		317		1260	6164	FAIL	
733619.84	1141918.70	4751.19	11/04/2014	3-175-1824	H14120311-002	18	24	7		1510		33		12500		917		8600	23560	FAIL	
733619.84	1141918.70	4751.19	11/04/2014	3-175-2430	H14110218-053	24	30	7.4		36		1 U		118		24		1090	1269	PASS	
733619.84	1141918.70	4751.19	11/04/2014	3-175-3036	H14110218-054	30	36	7.5		7		1 U		34		17		85	144	PASS	
733619.84	1141918.70	4751.19	11/04/2014	3-175-3642	H14110218-055	36	42	7.5		8		1 U		48		22		103	182	PASS	
3-176																					
733639.47	1141796.90	4751.90	11/04/2014	3-176-1824	H14120311-003	18	24	7.3		2980		28		23300		1330		4450	32088	FAIL	
733639.47	1141796.90	4751.90	11/04/2014	3-176-2430	H14120311-004	24	30	7.5		28		1 U		178		25		2620	2852	FAIL	
733639.47	1141796.90	4751.90	11/04/2014	3-176-3036	H14110218-056	30	36	7.2		8		1 U		46		20		1150	1225	PASS	
733639.47	1141796.90	4751.90	11/04/2014	3-176-3642	H14110218-057	36	42	7.7		12		1 U		124		11		387	535	PASS	
733639.47	1141796.90	4751.90	11/04/2014	3-176-4248	H14110218-058	42	48	7.6		9		1 U		86		15		197	308	PASS	
3-177																					
733666.69	1142792.00	4750.71	12/08/2014	3-177-1824	H14120241-050	18	24	7.6		10		15		1200		8		5250	6483	FAIL	
733666.69	1142792.00	4750.71	12/08/2014	3-177-2430	H14120241-052	24	30	7.4		5		1 U		37		12		161	216	PASS	
733666.69	1142792.00	4750.71	12/08/2014	3-177-3036	H14120241-053	30	36	7.6		7		1 U		86		9		105	208	PASS	
3-178																					
733689.68	1141736.99	4751.89	11/05/2014	3-178-1218	H14110218-015	12	18	7.3		1790		21		20700		1770		4810	29091	FAIL	
733689.68	1141736.99	4751.89	11/05/2014	3-178-1824	H14110218-016	18	24	7.4		842		3		1390		254		1290	3779	FAIL	
733689.68	1141736.99	4751.89	11/05/2014	3-178-2430	H14110218-017	24	30	7.6		9		1 U		20		6		49	85	PASS	
3-178W																					
733688.77	1141688.84	4753.31	11/05/2014	3-178W-0006	H14110217-018	0	6	7.8		100		2		202		39		170	513	PASS	
733688.77	1141688.84	4753.31	11/05/2014	3-178W-0612	H14110218-019	6	12	7.9		13		1 U		25		6		42	87	PASS	
733688.77	1141688.84	4753.31	11/05/2014	3-178W-1218	H14110218-020	12	18	7.8		5		1 U		21		5		37	69	PASS	
3-179																					
733685.94	1143175.28	4748.30	11/17/2014	3-179-3036	H14110380-001	30	36	7		1100		9		5440		572		3400	10521	FAIL	
733685.94	1143175.28	4748.30	11/17/2014	3-179-3642	H14110380-002	36	42	7		1260		12		6780		601		4160	12813	FAIL	
733685.94	1143175.28	4748.30	11/17/2014	3-179-4248	H14110380-003	42	48	7.4		817		12		4710		571		5160	11270	FAIL	

**Appendix A
Table A. Base of Tailings/Impacted Soil Data**
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
3-180																					
733696.05	1143048.74	4749.66	11/17/2014	3-180-1218	H14110380-004	12	18	6.2		253		5		9680		671		2590		13199	FAIL
733696.05	1143048.74	4749.66	11/17/2014	3-180-1824	H14110380-005	18	24	7.5		17		12		1670		39		2830		4568	FAIL
733696.05	1143048.74	4749.66	11/17/2014	3-180-2430	H14110380-006	24	30	7.4		9		1 U		52		14		107		183	PASS
3-181																					
733702.03	1142923.78	4748.42	11/17/2014	3-181-3036	H14110380-007	30	36	7.4		301		4		1760		309		1500		3874	FAIL
733702.03	1142923.78	4748.42	11/17/2014	3-181-3642	H14110380-008	36	42	7.7		433		4		1630		297		1200		3564	FAIL
733702.03	1142923.78	4748.42	11/17/2014	3-181-4248	H14110380-009	42	48	7.6		355		3		1120		257		1150		2885	FAIL
3-182																					
733713.29	1142673.35	4750.01	12/05/2014	3-182-4854	H14120242-062	48	54	7.5		8		1		4470		10		314		4803	FAIL
733713.29	1142673.35	4750.01	12/05/2014	3-182-5460	H14120242-063	54	60	7.6		5		1 U		2410		7		222		2645	FAIL
3-183																					
733718.25	1142048.79	4751.09	11/04/2014	3-183-1218	H14110218-059	12	18	7.2		2140		19		19900		1890		4450		28399	FAIL
733718.25	1142048.79	4751.09	11/04/2014	3-183-1824	H14110218-061	18	24	6.5		93		1 U		419		36		1260		1809	FAIL
733718.25	1142048.79	4751.09	11/04/2014	3-183-2430	H14110218-062	24	30	7.3		21		1 U		69		19		90		200	PASS
3-184																					
733720.28	1142548.38	4751.10	12/05/2014	3-184-2430	H14120242-064	24	30	4.5		10		1 U		3730		53		345		4139	FAIL
733720.28	1142548.38	4751.10	12/05/2014	3-184-3036	H14120242-065	30	36	4.7		3		1 U		1310		8		200		1522	FAIL
733720.28	1142548.38	4751.10	12/05/2014	3-184-3642	H14120242-066	36	42	5.2		5		1 U		1250		9		190		1455	FAIL
733720.28	1142548.38	4751.10	12/04/2014	3-184-4248	H15010160-031	42	48	7.2		9		1		1500		16		198		1724	FAIL
3-185																					
733724.68	1142394.53	4749.82	11/04/2014	3-185-3642	H14110218-066	36	42	7.4		7		6		5980		24		894		6911	FAIL
733724.68	1142394.53	4749.82	11/04/2014	3-185-4248	H14110218-067	42	48	7.3		3		5		2100		9		503		2620	FAIL
733724.68	1142394.53	4749.82	11/04/2014	3-185-4854	H14110218-068	48	54	7.8		11		8		3130		12		265		3426	FAIL
733724.68	1142394.53	4749.82	11/04/2014	3-185-5460	H14120311-005	54	60	6.9		107		7		1310		77		1040		2541	FAIL
3-186																					
733729.08	1142299.13	4750.42	11/04/2014	3-186-1824	H14110218-063	18	24	7.4		1100		13		8030		822		4110		14075	FAIL
733729.08	1142299.13	4750.42	11/04/2014	3-186-2430	H14110218-064	24	30	7.5		29		1 U		154		40		153		377	PASS
733729.08	1142299.13	4750.42	11/04/2014	3-186-3036	H14110218-065	30	36	7.4		18		1 U		119		22		93		253	PASS
3-187																					
733734.58	1142174.28	4752.01	11/04/2014	3-187-2430	H14110218-069	24	30	7.2		234		43		39200		990		9690		50157	FAIL
733734.58	1142174.28	4752.01	11/04/2014	3-187-3036	H14110218-070	30	36	7.2		5		1 U		86		9		394		495	PASS
733734.58	1142174.28	4752.01	11/04/2014	3-187-3642	H14110219-009	36	42	7.2		3		1 U		712		10		458		1184	PASS
733734.58	1142174.28	4752.01	11/04/2014	3-187-4248	H14110219-010	42	48	7.7		4		1 U		878		9		261		1153	PASS
3-188																					
733663.41	1143449.69	4749.28	12/09/2014	3-188-0006	H14120316-003	0	6	7.6		73		5		459		146		844		1527	FAIL
733663.41	1143449.69	4749.28	12/09/2014	3-188-0612	H14120316-004	6	12	7.8		32		1 U		282		44		176		535	PASS
3-189																					
733745.21	1141925.26	4751.47	11/04/2014	3-189-1824	H14110218-071	18	24	7.6		51		2		540		32		1140		1765	FAIL
733745.21	1141925.26	4751.47	11/04/2014	3-189-2430	H14110218-072	24	30	7.4		9		1 U		53		11		91		165	PASS
733745.21	1141925.26	4751.47	11/04/2014	3-189-3036	H14110218-073	30	36	7.1		11		1 U		66		18		116		212	PASS
3-190																					
733750.34	1141798.51	4751.32	11/05/2014	3-190-0612	H14110218-021	6	12	7.5		728		5		8090		396		2100		11319	FAIL
733750.34	1141798.51	4751.32	11/05/2014	3-190-1824	H14110218-022	18	24	7.3		10		1 U		89		15		592		707	PASS
733750.34	1141798.51	4751.32	11/05/2014	3-190-2430	H14110218-023	24	30	7.1		6		1 U		48		19		212		286	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

CHEMICAL_NAME REPORT_RESULT_UNIT											pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG) Q		Result (MG/KG) Q		Result (MG/KG) Q		Result (MG/KG) Q		Result (MG/KG) Q		SUM OF COC (MG/KG)	PASS/FAIL					
3-191																								
733762.52	1143584.09	4746.94	12/09/2014	3-191-1824	H14120316-005	18	24	7.7		997		9		7750		563		2860	12179	FAIL				
733762.52	1143584.09	4746.94	12/09/2014	3-191-2430	H14120316-006	24	30	7.7		377		3		856		139		888	2263	FAIL				
733762.52	1143584.09	4746.94	12/09/2014	3-191-3036	H14120316-007	30	36	7.6		25		1 U		45		25		89	185	PASS				
3-191S																								
733643.54	1143602.14	4747.28	12/09/2014	3-191S-0612	H14120316-008	6	12	7.8		202		3		1080		273		970	2528	FAIL				
733643.54	1143602.14	4747.28	12/09/2014	3-191S-1218	H14120316-009	12	18	7.2		9		1 U		33		15		77	135	PASS				
733643.54	1143602.14	4747.28	12/09/2014	3-191S-1824	H14120316-010	18	24	7.1		10		1 U		53		19		102	185	PASS				
3-192																								
733775.52	1143676.02	4747.48	12/09/2014	3-192-1218	H14120316-011	12	18	7.7		291		3		2520		408		1020	4242	FAIL				
733775.52	1143676.02	4747.48	12/09/2014	3-192-1824	H14120316-013	18	24	6.9		13		1 U		44		17		93	168	PASS				
733775.52	1143676.02	4747.48	12/09/2014	3-192-2430	H14120316-014	24	30	6.7		20		1 U		39		20		92	172	PASS				
3-192S																								
733659.47	1143720.41	4747.14	12/09/2014	3-192S-0612	H14120316-015	6	12	7.4		164		2		678		176		772	1792	FAIL				
733659.47	1143720.41	4747.14	12/09/2014	3-192S-1218	H14120316-016	12	18	7.1		150		2		495		173		427	1247	PASS				
733659.47	1143720.41	4747.14	12/09/2014	3-192S-1824	H14120316-017	18	24	6.8		10		1 U		46		16		77	150	PASS				
3-193																								
733814.55	1141742.79	4751.95	11/05/2014	3-193-0006	H14110218-024	0	6	7.9		374		5		1870		312		1710	4271	FAIL				
733814.55	1141742.79	4751.95	11/05/2014	3-193-0612	H14110218-025	6	12	7.7		163		4		1450		214		1330	3161	FAIL				
733814.55	1141742.79	4751.95	11/05/2014	3-193-1218	H14110218-026	12	18	7.6		20		2		179		19		354	574	PASS				
3-193W																								
733830.44	1141673.41	4752.37	11/05/2014	3-193W-0006	H14110218-027	0	6	7.7		242		4		858		156		803	2063	FAIL				
733830.44	1141673.41	4752.37	11/05/2014	3-193W-0612	H14110218-028	6	12	7.6		15		1 U		64		12		85	177	PASS				
733830.44	1141673.41	4752.37	11/05/2014	3-193W-1218	H14110218-029	12	18	7.6		5		1 U		18		6		40	70	PASS				
3-193W2																								
733851.24	1141601.89	4753.24	11/05/2014	3-193-0006W2	H14110218-030	0	6	7.9		171		3		347		73		263	857	PASS				
3-194																								
733815.71	1143178.81	4747.60	11/17/2014	3-194-3036	H14110380-010	30	36	7.3		11		1 U		4090		13		214	4329	FAIL				
733815.71	1143178.81	4747.60	11/17/2014	3-194-3642	H14110380-011	36	42	7.2		7		9		4310		10		430	4766	FAIL				
733815.71	1143178.81	4747.60	11/17/2014	3-194-4248	H14110380-012	42	48	7.1		41		6		3890		23		681	4641	FAIL				
3-195																								
733821.35	1143053.68	4748.46	11/17/2014	3-195-4248	H14110380-013	42	48	6.5		760		7		3420		439		3030	7656	FAIL				
733821.35	1143053.68	4748.46	11/17/2014	3-195-4854	H14110380-014	48	54	6.6		961		9		4910		499		3970	10349	FAIL				
733821.35	1143053.68	4748.46	11/17/2014	3-195-5460	H14110380-015	54	60	6.4		571		16		4600		320		3150	8657	FAIL				
3-196																								
733826.24	1142928.81	4749.85	11/17/2014	3-196-4248	H14110380-016	42	48	4.6		17		2		2710		19		462	3210	FAIL				
733826.24	1142928.81	4749.85	11/17/2014	3-196-4854	H14110380-017	48	54	4.9		19		1		1580		17		261	1878	FAIL				
733826.24	1142928.81	4749.85	11/17/2014	3-196-5460	H14110380-018	54	60	6.5		14		1 U		512		13		128	668	PASS				
3-197																								
733832.22	1142803.85	4750.16	11/14/2014	3-197-3036	H14110290-001	30	36	5.6		5		3		4390		12		723	5133	FAIL				
733832.22	1142803.85	4750.16	11/14/2014	3-197-3642	H14110290-002	36	42	6.8		5		2		1880		8		381	2276	FAIL				
733832.22	1142803.85	4750.16	11/14/2014	3-197-4248	H14110290-003	42	48	7.5		5		1		496		9		215	726	PASS				
3-199																								
733841.59	1142736.20	4749.09	11/14/2014	3-199-3642	H14110290-004	36	42	7.8		61		3		1310		57		735	2166	FAIL				
733841.59	1142736.20	4749.09	11/14/2014	3-199-4248	H14110290-005	42	48	7.8		70		3		797		61		912	1843	FAIL				
733841.59	1142736.20	4749.09	11/14/2014	3-199-4854	H14110290-006	48	54	7.6		9		4		733		9		321	1076	PASS				
733841.59	1142736.20	4749.09	11/14/2014	3-199-5460	H14110290-007	54	60	7.8		10		9		426		10		645	1100	PASS				

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
3-200																					
733856.74	1142549.15	4749.15	12/05/2014	3-200-4854	H14120242-067	48	54	7.7		634		12		4620		563		3930		9759	FAIL
733856.74	1142549.15	4749.15	12/05/2014	3-200-5460	H14120242-068	54	60	7.7		550		12		4270		395		3510		8737	FAIL
3-201																					
733848.43	1142387.11	4750.70	11/04/2014	3-201-1824	H14110218-074	18	24	7.1		528		4		11200		719		2760		15211	FAIL
733848.43	1142387.11	4750.70	11/04/2014	3-201-2430	H14110218-075	24	30	7.4		38		1 U		348		44		1630		2061	FAIL
733848.43	1142387.11	4750.70	11/04/2014	3-201-3036	H14110218-076	30	36	7.3		8		1 U		49		17		131		206	PASS
3-202																					
733850.51	1142304.45	4751.04	11/04/2014	3-202-1824	H14110218-077	18	24	7.6		10		9		1200		15		2060		3294	FAIL
733850.51	1142304.45	4751.04	11/04/2014	3-202-2430	H14110218-078	24	30	7.6		14		1 U		59		17		85		176	PASS
733850.51	1142304.45	4751.04	11/04/2014	3-202-3036	H14110218-079	30	36	7.6		8		1 U		48		14		63		134	PASS
3-203																					
733859.42	1142179.35	4750.92	11/04/2014	3-203-1218	H14110218-080	12	18	7.4		1470		12		14100		1050		3750		20382	FAIL
733859.42	1142179.35	4750.92	11/04/2014	3-203-1824	H14110219-001	18	24	7.5		17		1 U		148		23		534		723	PASS
733859.42	1142179.35	4750.92	11/04/2014	3-203-2430	H14110290-066	24	30	7.2		16		1 U		79		21		105		222	PASS
733859.42	1142179.35	4750.92	11/04/2014	3-203-3036	H14110219-054	30	36	7.3		16		1 U		56		21		95		189	PASS
3-204																					
733864.68	1142055.11	4751.06	11/04/2014	3-204-1824	H14110219-003	18	24	7.6		2620		16		18200		1080		3640		25556	FAIL
733864.68	1142055.11	4751.06	11/04/2014	3-204-2430	H14110219-004	24	30	7.1		13		1 U		95		23		106		238	PASS
733864.68	1142055.11	4751.06	11/04/2014	3-204-3036	H14110219-005	30	36	6.7		14		1 U		106		32		128		281	PASS
3-205																					
733865.16	1141929.41	4750.97	11/04/2014	3-205-1218	H14120311-006	12	18	7.6		34		4		638		27		1290		1993	FAIL
733865.16	1141929.41	4750.97	11/04/2014	3-205-1824	H14110219-006	18	24	7.3		18		1		715		14		586		1334	PASS
733865.16	1141929.41	4750.97	11/04/2014	3-205-2430	H14110219-007	24	30	7.3		13		1 U		237		12		636		899	PASS
733865.16	1141929.41	4750.97	11/04/2014	3-205-3036	H14110219-008	30	36	7.4		23		1 U		272		11		402		709	PASS
3-206																					
733873.92	1143281.84	4748.00	11/14/2014	3-206-1824	H14110290-008	18	24	7.5		147		20		11000		94		4980		16241	FAIL
733873.92	1143281.84	4748.00	11/14/2014	3-206-2430	H14110290-009	24	30	7		7		2		325		7		463		804	PASS
733873.92	1143281.84	4748.00	11/14/2014	3-206-3036	H14110290-010	30	36	7.2		12		5		692		17		732		1458	FAIL
733873.92	1143281.84	4748.00	11/14/2014	3-206-3642	H14110290-011	36	42	7.3		9		5		686		10		637		1347	PASS
3-207																					
733874.27	1141804.69	4751.18	11/05/2014	3-207-1824	H14110218-031	18	24	7.2		2540		23		24500		1780		5560		34403	FAIL
733874.27	1141804.69	4751.18	11/05/2014	3-207-2430	H14110218-032	24	30	7.3		622		1 U		157		16		306		1102	PASS
733874.27	1141804.69	4751.18	11/05/2014	3-207-3036	H14110218-033	30	36	7.1		62		1 U		59		18		144		284	PASS
3-207W																					
733895.67	1141684.31	4752.59	11/05/2014	3-207W-0006	H14110218-034	0	6	8		521		6		2300		471		1800		5098	FAIL
733895.67	1141684.31	4752.59	11/05/2014	3-207W-0612	H14110218-035	6	12	7.7		10		1 U		32		9		51		103	PASS
733895.67	1141684.31	4752.59	11/05/2014	3-207W-1218	H14110218-036	12	18	7.8		5		1 U		28		9		41		84	PASS
3-207W2																					
20046.00	1141610.91	4752.63	11/05/2014	3-207W2-0006	H14110218-037	0	6	7.7		47		1 U		104		15		71		238	PASS
3-208																					
733881.54	1143430.59	4746.75	12/17/2014	3-208-1824	H14120376-001	18	24	6.6		351		39		3910		461		7310		12071	FAIL
733881.54	1143430.59	4746.75	12/17/2014	3-208-2430	H14120376-002	24	30	7.4		87		1 U		1230		85		643		2046	FAIL
733881.54	1143430.59	4746.75	12/17/2014	3-208-3036	H14120376-003	30	36	7.8		45		1 U		675		15		445		1181	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
3-210																					
733896.77	1144180.60	4746.30	12/09/2014	3-210-0006	H14120316-018	0	6	7.9		475		5		1010		279		1190		2959	FAIL
733896.77	1144180.60	4746.30	12/09/2014	3-210-0612	H14120316-019	6	12	7.8		66		1	U	170		23		129		389	PASS
3-211																					
733906.33	1143934.52	4747.62	12/09/2014	3-211-0006	H14120316-020	0	6	7.5		152		3		738		167		854		1914	FAIL
733906.33	1143934.52	4747.62	12/09/2014	3-211-0612	H14120316-021	6	12	8		25		1	U	77		19		106		228	PASS
3-212																					
733908.59	1143813.96	4746.32	12/09/2014	3-212-1218	H14120316-022	12	18	7.8		960		33		12800		418		6620		20831	FAIL
733908.59	1143813.96	4746.32	12/09/2014	3-212-1824	H14120316-023	18	24	7.7		29		1		392		21		452		895	PASS
733908.59	1143813.96	4746.32	12/09/2014	3-212-2430	H14120316-025	24	30	7.5		7		1	U	36		15		79		138	PASS
3-212S																					
733775.64	1143793.83	4747.24	12/09/2014	3-212S-0612	H14120316-026	6	12	7.8		407		6		2230		564		1690		4897	FAIL
733775.64	1143793.83	4747.24	12/09/2014	3-212S-1218	H14120316-027	12	18	7.6		30		1	U	46		13		82		172	PASS
733775.64	1143793.83	4747.24	12/09/2014	3-212S-1824	H14120316-028	18	24	7.1		22		1	U	32		14		75		144	PASS
3-214																					
733916.17	1144059.80	4746.92	12/09/2014	3-214-0006	H14120316-029	0	6	7.7		115		2		412		102		513		1144	PASS
733916.17	1144059.80	4746.92	12/09/2014	3-214-0612	H14120316-030	6	12	8.3		32		1	U	42		11		59		145	PASS
3-215																					
733940.94	1143184.54	4747.84	11/17/2014	3-215-3642	H14110380-019	36	42	7.1		14		2		2060		16		329		2421	FAIL
733940.94	1143184.54	4747.84	11/17/2014	3-215-4248	H14110380-020	42	48	6.9		19		2		3240		14		561		3836	FAIL
3-216																					
733946.28	1143059.47	4749.08	11/17/2014	3-216-1218	H14110380-021	12	18	6		15		14		27300		14		4480		31823	FAIL
733946.28	1143059.47	4749.08	11/17/2014	3-216-1824	H14110380-022	18	24	7.2		10		16		8980		11		3600		12617	FAIL
733946.28	1143059.47	4749.08	11/17/2014	3-216-2430	H14110380-023	24	30	5.9		5		1	U	505		10		747		1268	PASS
3-217																					
733950.41	1142935.60	4749.22	11/14/2014	3-217-6672	H14110290-012	66	72	6.2		10		1		2730		14		384		3139	FAIL
733950.41	1142935.60	4749.22	11/14/2014	3-217-7278	H14110290-013	72	78	6.6		12		2		2270		10		320		2614	FAIL
733950.41	1142935.60	4749.22	11/14/2014	3-217-7884	H14110290-014	78	84	6.6		40		1		2520		47		364		2972	FAIL
3-218																					
733957.14	1142810.52	4749.96	11/14/2014	3-218-3642	H14110290-015	36	42	4.5		77		1		2270		173		425		2946	FAIL
733957.14	1142810.52	4749.96	11/14/2014	3-218-4248	H14110290-016	42	48	5.1		44		1	U	1080		107		226		1458	FAIL
3-219																					
733962.31	1142684.65	4750.08	11/14/2014	3-219-3642	H14110290-017	36	42	7.3		8		1	U	2940		7		263		3219	FAIL
733962.31	1142684.65	4750.08	11/14/2014	3-219-4248	H14110290-018	42	48	7.4		13		1	U	1790		11		159		1974	FAIL
3-220																					
733964.97	1141809.82	4751.29	11/05/2014	3-220-1824	H14110218-038	18	24	7.1		1800		15		13200		1600		3490		20105	FAIL
733964.97	1141809.82	4751.29	11/05/2014	3-220-2430	H14110218-039	24	30	6.2		503		1		169		62		214		949	PASS
733964.97	1141809.82	4751.29	11/05/2014	3-220-3036	H14110218-040	30	36	6.4		251		1	U	159		17		99		527	PASS
3-221																					
733966.50	1142558.86	4749.66	11/14/2014	3-221-1824	H14110290-019	18	24	7.4		10		10		818		21		3130		3989	FAIL
733966.50	1142558.86	4749.66	11/14/2014	3-221-2430	H14110290-020	24	30	7.3		46		1	U	198		39		187		471	PASS
733966.50	1142558.86	4749.66	11/14/2014	3-221-3036	H14110290-021	30	36	7.3		4		1	U	68		7		87		167	PASS
3-222																					
733972.51	1143448.56	4746.68	12/17/2014	3-222-1824	H14120376-004	18	24	6.8		1760		30		13200		840		8300		24130	FAIL
733972.51	1143448.56	4746.68	12/17/2014	3-222-2430	H14120376-005	24	30	6.9		131		2		1070		97		895		2195	FAIL
733972.51	1143448.56	4746.68	12/17/2014	3-222-3036	H14120376-006	30	36	7.5		37		1	U	209		33		496		776	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	CHEMICAL_NAME REPORT_RESULT_UNIT							pH, sat. paste S.U.		ARSENIC	CADMIUM		COPPER		LEAD		ZINC		SUM OF COC (MG/KG)	PASS/FAIL	
		SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			
																						Result (MG/KG)
3-223																						
	733973.36	1142435.00	4750.37	11/14/2014	3-223-3642	H14110290-022	36	42	6.8		7		2		3640		10		423		4082	FAIL
	733973.36	1142435.00	4750.37	11/14/2014	3-223-4248	H14110290-023	42	48	6.7		9		2		4150		16		481		4658	FAIL
3-224																						
	733975.21	1143291.00	4748.08	11/14/2014	3-224-4854	H14110290-024	48	54	7.2		645		6		2940		3560		1910		9061	FAIL
	733975.21	1143291.00	4748.08	11/14/2014	3-224-5460	H14110290-025	54	60	7.9		266		30		3000		1150		2570		7016	FAIL
3-225																						
	733979.72	1142347.94	4750.06	11/14/2014	3-225-3036	H14110290-026	30	36	6.9		1550		42		25000		2230		6830		35652	FAIL
	733979.72	1142347.94	4750.06	11/14/2014	3-225-3642	H14110290-027	36	42	7.2		15		1		201		25		445		687	PASS
	733979.72	1142347.94	4750.06	11/14/2014	3-225-4248	H14110290-028	42	48	7.2		5		6		904		11		663		1589	FAIL
3-226																						
	733984.04	1142184.79	4750.04	11/14/2014	3-226-1824	H14110290-029	18	24	7.4		692		14		13600		1480		5200		20986	FAIL
	733984.04	1142184.79	4750.04	11/14/2014	3-226-2430	H14110290-030	24	30	7.5		14		1	U	123		29		1050		1217	PASS
	733984.04	1142184.79	4750.04	11/14/2014	3-226-3036	H14110290-031	30	36	7		14		1	U	76		26		209		326	PASS
3-227																						
	733989.45	1142060.10	4749.67	11/10/2014	3-227-0006	H14110250-021	0	6	7.5		1340		8		7750		784		2230		12112	FAIL
	733989.45	1142060.10	4749.67	11/10/2014	3-227-0612	H14110250-022	6	12	7.6		24		1	U	127		18		484		654	PASS
	733989.45	1142060.10	4749.67	11/10/2014	3-227-1218	H14110250-023	12	18	7.4		12		1	U	54		16		250		333	PASS
3-228																						
	733995.01	1141935.55	4750.65	11/10/2014	3-228-1218	H14110250-024	12	18	7.7		76		8		305		17		2470		2876	FAIL
	733995.01	1141935.55	4750.65	11/10/2014	3-228-1824	H14110250-025	18	24	7.7		17		1		88		16		623		745	PASS
	733995.01	1141935.55	4750.65	11/10/2014	3-228-2430	H14110250-026	24	30	7.6		12		1	U	57		14		174		258	PASS
3-228W																						
	734024.12	1141814.10	4752.74	11/10/2014	3-228W-0006	H14110250-027	0	6	7.9		17		1	U	49		7		63		137	PASS
	734024.12	1141814.10	4752.74	11/10/2014	3-228W-0612	H14110250-028	6	12	8		14		1	U	32		6		51		104	PASS
3-230																						
	734020.58	1144191.54	4747.39	12/09/2014	3-230-0006	H14120316-031	0	6	7.5		104		3		281		72		309		769	PASS
	734020.58	1144191.54	4747.39	12/09/2014	3-230-0612	H14120316-032	6	12	7.9		30		1	U	60		10		64		165	PASS
3-231																						
	734027.29	1144064.21	4746.77	12/09/2014	3-231-0612	H14120316-033	6	12	8.2		271		3		975		206		1020		2475	FAIL
	734027.29	1144064.21	4746.77	12/09/2014	3-231-1218	H14120316-034	12	18	8		19		1	U	44		13		69		146	PASS
	734027.29	1144064.21	4746.77	12/09/2014	3-231-1824	H14120316-035	18	24	8		11		1	U	34		12		65		123	PASS
3-232																						
	734031.44	1143940.96	4746.47	12/09/2014	3-232-1824	H14120316-036	18	24	7.8		1080		11		10700		543		3810		16144	FAIL
	734031.44	1143940.96	4746.47	12/09/2014	3-232-2430	H14120316-037	24	30	7.6		47		4		781		29		1740		2601	FAIL
	734031.44	1143940.96	4746.47	12/09/2014	3-232-3036	H14120316-038	30	36	7.5		7		1	U	59		17		118		202	PASS
3-233																						
	734038.58	1143812.24	4745.98	12/18/2014	3-233-3642	H14120373-001	36	42	7.3		9		4		6080		25		856		6974	FAIL
	734038.58	1143812.24	4745.98	12/18/2014	3-233-4248	H14120373-002	42	48	7.4		37		9		5690		49		879		6664	FAIL
3-234																						
	734043.36	1143685.78	4746.00	12/18/2014	3-234-1218	H14120373-003	12	18	7.2		6		4		904		11		1250		2175	FAIL
	734043.36	1143685.78	4746.00	12/18/2014	3-234-1824	H14120373-004	18	24	7.1		6		1	U	26		13		70		116	PASS
	734043.36	1143685.78	4746.00	12/18/2014	3-234-2430	H14120373-005	24	30	7.2		3		1	U	17		8		90		119	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM	COPPER	LEAD	ZINC	SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)		
3-235																
734049.12	1143563.57	4746.58	12/17/2014	3-235-1824	H14120376-007	18	24	6.8		9	3	807	12	528	1359	PASS
734049.12	1143563.57	4746.58	12/17/2014	3-235-1824D	H14120376-007	18	24	7		4	3	1020	9	626	1662	FAIL
734049.12	1143563.57	4746.58	12/17/2014	3-235-2430	H14120376-009	24	30	7.3		5	1 U	847	6	215	1074	PASS
734049.12	1143563.57	4746.58	12/17/2014	3-235-3036	H14120376-010	30	36	7		21	1 U	839	21	210	1092	PASS
3-236																
734054.12	1143440.23	4745.35	12/17/2014	3-236-1824	H14120376-011	18	24	6.9		1020	11	7730	651	3420	12832	FAIL
734054.12	1143440.23	4745.35	12/17/2014	3-236-2430	H14120376-012	24	30	7		69	1 U	134	22	90	316	PASS
734054.12	1143440.23	4745.35	12/17/2014	3-236-3036	H14120376-014	30	36	7.8		9	1 U	24	19	325	378	PASS
3-237																
734063.42	1143293.87	4747.86	11/14/2014	3-237-4248	H14110290-032	42	48	7.2		62	2	215	132	908	1319	PASS
734063.42	1143293.87	4747.86	11/14/2014	3-237-4854	H14110290-033	48	54	6.6		128	3	2130	123	674	3058	FAIL
734063.42	1143293.87	4747.86	11/14/2014	3-237-5460	H14110290-034	54	60	7		40	1	1190	16	240	1487	FAIL
3-238																
734064.53	1143189.24	4748.29	11/17/2014	3-238-1824	H14110380-024	18	24	7.6		7	9	354	7	2090	2467	FAIL
734064.53	1143189.24	4748.29	11/17/2014	3-238-2430	H14110380-025	24	30	7.1		8	4	41	8	1210	1271	PASS
734064.53	1143189.24	4748.29	11/17/2014	3-238-3036	H14110380-026	30	36	7		8	1	386	8	249	652	PASS
3-239																
734071.37	1143065.20	4748.76	11/17/2014	3-239-1218	H14110380-027	12	18	7.5		19	14	5250	17	3660	8960	FAIL
734071.37	1143065.20	4748.76	11/17/2014	3-239-1824	H14110380-028	18	24	7.2		34	2	259	30	891	1216	PASS
734071.37	1143065.20	4748.76	11/17/2014	3-239-2430	H14110380-029	24	30	7		5	1 U	56	12	298	372	PASS
3-240																
734074.71	1142295.27	4749.89	11/10/2014	3-240-4248	H14110250-029	42	48	7.2		6	13	3790	28	1120	4957	FAIL
734074.71	1142295.27	4749.89	11/10/2014	3-240-4854	H14110250-030	48	54	7.6		3	7	603	10	1160	1783	FAIL
734074.71	1142295.27	4749.89	11/10/2014	3-240-5460	H14110250-031	54	60	7.7		13	2	199	13	846	1073	PASS
3-241																
734075.82	1142940.05	4749.53	11/14/2014	3-241-1824	H14110290-035	18	24	7.5		13	30	5550	14	5120	10727	FAIL
734075.82	1142940.05	4749.53	11/14/2014	3-241-2430	H14110290-036	24	30	7.7		18	2	178	22	468	688	PASS
734075.82	1142940.05	4749.53	11/14/2014	3-241-3036	H14110290-037	30	36	7.7		7	1 U	166	15	107	296	PASS
3-242																
734081.52	1142815.55	4749.67	11/14/2014	3-242-1218	H14110290-038	12	18	6.7		330	10	16500	307	3890	21037	FAIL
734081.52	1142815.55	4749.67	11/14/2014	3-242-1824	H14110290-039	18	24	7.5		12	3	250	14	579	858	PASS
734081.52	1142815.55	4749.67	11/14/2014	3-242-2430	H14110290-040	24	30	7.7		7	1 U	56	8	60	132	PASS
3-243																
734083.70	1142688.08	4748.58	11/13/2014	3-243-7884	H14110290-041	78	84	7.6		70	2	10900	28	833	11833	FAIL
734083.70	1142688.08	4748.58	11/13/2014	3-243-8496	H14110290-042	84	96	7.9		21	1 U	439	23	175	659	PASS
3-244																
734092.72	1142565.28	4748.59	11/13/2014	3-244-1218	H14110290-043	12	18	7.5		73	12	31100	18	3940	35143	FAIL
734092.72	1142565.28	4748.59	11/13/2014	3-244-1824	H14110290-045	18	24	7.4		25	4	453	17	816	1315	PASS
734092.72	1142565.28	4748.59	11/13/2014	3-244-2430	H14110290-046	24	30	7.5		16	1 U	63	12	313	405	PASS
3-245																
734097.23	1142443.06	4749.78	11/13/2014	3-245-2430	H14110290-047	24	30	7.7		16	23	6830	15	3220	10104	FAIL
734097.23	1142443.06	4749.78	11/13/2014	3-245-3036	H14110290-048	30	36	7.6		8	1	341	13	714	1077	PASS
734097.23	1142443.06	4749.78	11/13/2014	3-245-3642	H14110290-049	36	42	7.2		13	1 U	125	23	254	416	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
3-246																					
734109.05	1142190.62	4749.80	11/10/2014	3-246-3036	H14110250-032	30	36	7.1		37		1	U	2100		14		444		2596	FAIL
734109.05	1142190.62	4749.80	11/10/2014	3-246-3642	H14110250-033	36	42	7.2		13		1	U	1640		16		324		1994	FAIL
734109.05	1142190.62	4749.80	11/10/2014	3-246-4248	H14110250-034	42	48	7.4		13		1		1220		15		539		1788	FAIL
3-247																					
734121.04	1142062.57	4749.59	11/10/2014	3-247-0612	H14110250-035	6	12	7.7		1650		31		18300		853		5190		26024	FAIL
734121.04	1142062.57	4749.59	11/10/2014	3-247-1218	H14110250-036	12	18	7.7		61		1		463		42		321		888	PASS
734121.04	1142062.57	4749.59	11/10/2014	3-247-1824	H14110250-037	18	24	7.7		8		1	U	49		19		91		168	PASS
3-248																					
734119.82	1141940.92	4749.52	11/10/2014	3-248-0006	H14110250-038	0	6	7.8		331		4		2810		360		1290		4795	FAIL
734119.82	1141940.92	4749.52	11/10/2014	3-248-0612	H14110250-039	6	12	7.6		8		1	U	65		13		124		211	PASS
734119.82	1141940.92	4749.52	11/10/2014	3-248-1218	H14110250-040	12	18	7.6		5		1	U	45		19		70		140	PASS
3-252																					
734152.59	1144069.10	4746.74	12/09/2014	3-252-0006	H14120316-039	0	6	7.7		99		2		419		86		376		982	PASS
734152.59	1144069.10	4746.74	12/09/2014	3-252-0612	H14120316-040	6	12	7.9		50		1	U	140		40		150		381	PASS
3-253																					
734160.57	1143943.43	4746.10	12/18/2014	3-253-3642	H14120373-006	36	42	7.2		5		10		5270		14		1140		6439	FAIL
734160.57	1143943.43	4746.10	12/18/2014	3-253-4248	H14120373-007	42	48	6.9		9		1		462		15		1040		1527	FAIL
734160.57	1143943.43	4746.10	12/18/2014	3-253-4854	H14120373-008	48	54	7.3		35		1	U	193		23		100		352	PASS
3-254																					
734159.26	1143819.54	4746.03	12/18/2014	3-254-2430	H14120373-009	24	30	7.7		122		10		2050		687		2880		5749	FAIL
734159.26	1143819.54	4746.03	12/18/2014	3-254-3036	H14120373-010	30	36	7.3		11		1	U	35		18		71		136	PASS
734159.26	1143819.54	4746.03	12/18/2014	3-254-3642	H14120373-011	36	42	6.4		12		1	U	36		18		66		133	PASS
3-255																					
734168.35	1143694.22	4745.52	12/18/2014	3-255-1218	H14120373-012	12	18	6.7		1930		19		23200		963		2450		28562	FAIL
734168.35	1143694.22	4745.52	12/18/2014	3-255-1824	H14120373-013	18	24	7.6		14		3		549		12		483		1061	PASS
734168.35	1143694.22	4745.52	12/18/2014	3-255-2430	H14120373-014	24	30	8		5		1	U	187		8		269		470	PASS
3-256																					
734174.44	1143570.40	4745.80	12/17/2014	3-256-0612	H14120376-015	6	12	7.2		695		4		3860		617		1280		6456	FAIL
734174.44	1143570.40	4745.80	12/17/2014	3-256-1218	H14120376-016	12	18	7.1		22		1	U	80		19		318		440	PASS
734174.44	1143570.40	4745.80	12/17/2014	3-256-1824	H14120376-017	18	24	7.2		11		1	U	71		20		102		205	PASS
3-257																					
734178.46	1143446.95	4745.74	12/17/2014	3-257-2430	H14120376-018	24	30	6.8		1960		24		13700		841		8530		25055	FAIL
734178.46	1143446.95	4745.74	12/17/2014	3-257-3036	H14120376-019	30	36	7.3		49		1	U	620		36		517		1223	PASS
734178.46	1143446.95	4745.74	12/17/2014	3-257-3642	H14120376-020	36	42	6.9		11		13		65		15		1770		1874	FAIL
734178.46	1143446.95	4745.74	12/17/2014	3-257-4248	H15020270-004	42	48	4.4		20	J	1	U	22		10		816		869	PASS
3-258																					
734185.21	1143320.16	4747.86	11/14/2014	3-258-4248	H14110290-050	42	48	6.3		5		6		1890		12		964		2877	FAIL
734185.21	1143320.16	4747.86	11/14/2014	3-258-4854	H14110290-051	48	54	6.8		11		1		1530		14		128		1684	FAIL
734185.21	1143320.16	4747.86	11/14/2014	3-258-5460	H14110290-052	54	60	7		30		2		1250		28		165		1475	FAIL
3-259																					
734190.65	1143195.46	4747.55	11/14/2014	3-259-3036	H14110290-053	30	36	6.7		15		3		2200		22		688		2928	FAIL
734190.65	1143195.46	4747.55	11/14/2014	3-259-3642	H14110290-054	36	42	7.1		6		1	U	50		13		1140		1210	PASS
734190.65	1143195.46	4747.55	11/14/2014	3-259-4248	H14110290-055	42	48	7.2		11		2		344		12		1130		1499	FAIL
3-260																					
734196.21	1143077.65	4747.93	11/14/2014	3-260-6672	H14110290-056	66	72	7		1170		13		20700		465		5620		27968	FAIL
734196.21	1143077.65	4747.93	11/14/2014	3-260-7284	H14110290-057	72	84	7.3		604		28		6240		297		2930		10099	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			Result (MG/KG)
3-261																						
734204.49	1142945.22	4748.20	11/14/2014	3-261-4248	H14110290-058	42	48	7.4		25		10		3740		16		768		4559	FAIL	
734204.49	1142945.22	4748.20	11/14/2014	3-261-4854	H14110290-059	48	54	7.1		7		3		76		15		2410		2511	FAIL	
734204.49	1142945.22	4748.20	11/14/2014	3-261-5460	H14110290-060	54	60	7.4		7		3		640		14		665		1329	PASS	
3-262																						
734204.74	1142820.82	4748.94	11/14/2014	3-262-2430	H14110290-061	24	30	7.7		16		6		1160		14		3000		4196	FAIL	
734204.74	1142820.82	4748.94	11/14/2014	3-262-3036	H14110290-062	30	36	7.4		12		3		178		7		546		746	PASS	
734204.74	1142820.82	4748.94	11/14/2014	3-262-3642	H14110290-063	36	42	7.2		8		3		112		8		526		657	PASS	
3-263																						
734194.78	1142707.92	4748.07	11/14/2014	3-263-3642	H14110290-064	36	42	7.3		791		11		5320		572		4560		11254	FAIL	
734194.78	1142707.92	4748.07	11/14/2014	3-263-4248	H14110290-065	42	48	7.3		800		16		4980		660		5920		12376	FAIL	
3-264																						
20048.00	1142571.01	4747.93	11/18/2014	3-264-3036	H14110379-001	30	36	6.8		11		1	U	59		14		508		593	PASS	
20048.00	1142571.01	4747.93	11/18/2014	3-264-3642	H14110379-002	36	42	6.9		5		1	U	34		11		819		870	PASS	
20048.00	1142571.01	4747.93	11/18/2014	3-264-4248	H14110379-003	42	48	6.9		8		9		128		9		1660		1814	FAIL	
3-265																						
734223.05	1142446.14	4748.82	11/10/2014	3-265-3036	H14110250-041	30	36	7.5		2040		16		15700		1130		4390		23276	FAIL	
734223.05	1142446.14	4748.82	11/10/2014	3-265-3642	H14110250-042	36	42	7.4		132		2		863		358		518		1873	FAIL	
734223.05	1142446.14	4748.82	11/10/2014	3-265-4248	H14110250-043	42	48	7.9		11		1	U	38		20		79		149	PASS	
3-266																						
734228.22	1142360.05	4748.77	11/21/2014	3-266-1218	H14120033-004	12	18	7.5		1220		15		8930		735		4310		15210	FAIL	
734228.22	1142360.05	4748.77	11/21/2014	3-266-1824	H14120033-005	18	24	7.2		2310		23		17900		1370		5560		27163	FAIL	
734228.22	1142360.05	4748.77	11/21/2014	3-266-2430	H14120033-006	24	30	7		48		1	U	285		38		226		598	PASS	
3-267																						
734235.63	1142217.34	4749.09	11/21/2014	3-267-2430	H14120033-007	24	30	6.9		74		2		3960		35		503		4574	FAIL	
734235.63	1142217.34	4749.09	11/21/2014	3-267-3036	H14120033-008	30	36	7		38		3		2100		15		529		2685	FAIL	
734235.63	1142217.34	4749.09	11/21/2014	3-267-3642	H14120033-009	36	42	7.3		21	J	2		340		13		513		889	PASS	
3-268																						
734239.34	1142071.23	4749.25	11/11/2014	3-268-0006	H14110250-047	0	6	7.6		1090		14		10400		822		2820		15146	FAIL	
734239.34	1142071.23	4749.25	11/11/2014	3-268-0612	H14110250-049	6	12	7.7		17		1	U	66		15		365		464	PASS	
734239.34	1142071.23	4749.25	11/11/2014	3-268-1218	H14110250-050	12	18	7.6		8		1	U	28		10		134		181	PASS	
3-269																						
734245.29	1141946.35	4749.42	11/11/2014	3-269-0006	H14110250-051	0	6	7.8		413		4		3260		446		1170		5293	FAIL	
734245.29	1141946.35	4749.42	11/11/2014	3-269-0612	H14110250-052	6	12	7.8		11		1	U	37		8		49		106	PASS	
734245.29	1141946.35	4749.42	11/11/2014	3-269-1218	H14110250-053	12	18	7.7		18		1	U	119		13		70		221	PASS	
3-273																						
734275.42	1144086.15	4746.37	12/09/2014	3-273-0006	H14120316-041	0	6	7.7		352		4		1420		298		1450		3524	FAIL	
734275.42	1144086.15	4746.37	12/09/2014	3-273-0612	H14120316-042	6	12	8.1		35		1	U	161		33		162		392	PASS	
3-274																						
734283.43	1143948.74	4745.37	12/18/2014	3-274-4248	H14120373-015	42	48	7.2		3110		44		27000		800		6650		37604	FAIL	
734283.43	1143948.74	4745.37	12/18/2014	3-274-5460	H14120373-016	54	60	7.7		1100		8		9140		683		2980		13911	FAIL	
3-275																						
734288.46	1143824.54	4745.43	12/18/2014	3-275-3036	H14120373-017	30	36	6.8		25		1		3530		21		508		4085	FAIL	
734288.46	1143824.54	4745.43	12/18/2014	3-275-3642	H14120373-018	36	42	7		5		7		4810		10		597		5429	FAIL	
734288.46	1143824.54	4745.43	12/18/2014	3-275-4248	H14120373-019	42	48	8		5		4		2630		9		702		3350	FAIL	
734288.46	1143824.54	4745.43	12/18/2014	3-275-4854	H15010288-011	48	54	7.5		2		1	U	27		7		64		101	PASS	
734288.46	1143824.54	4745.43	12/18/2014	3-275-5460	H15010288-012	54	60	7.8		7		1	U	63		12		70		153	PASS	

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
3-276																					
734294.38	1143699.76	4745.49	12/18/2014	3-276-3036	H14120373-020	30	36	6.9		5		5		157		9		1770		1946	FAIL
734294.38	1143699.76	4745.49	12/18/2014	3-276-3642	H14120373-021	36	42	6.6		4		1 U		24		8		934		971	PASS
734294.38	1143699.76	4745.49	12/18/2014	3-276-4248	H14120373-022	42	48	6.8		6		1 U		37		11		499		554	PASS
3-277																					
734298.55	1143576.92	4745.57	12/17/2014	3-277-1218	H14120376-021	12	18	7.5		225		24		6910		495		5950		13604	FAIL
734298.55	1143576.92	4745.57	12/17/2014	3-277-1824	H14120376-022	18	24	7.6		14		1 U		79		21		118		233	PASS
734298.55	1143576.92	4745.57	12/17/2014	3-277-2430	H14120376-023	24	30	7.7		9		1 U		48		19		101		178	PASS
3-278																					
734301.30	1143471.80	4745.16	12/17/2014	3-278-1824	H14120376-024	18	24	7		841		10		4880		528		2860		9119	FAIL
734301.30	1143471.80	4745.16	12/17/2014	3-278-2430	H14120376-025	24	30	7.6		8		1 U		69		18		212		308	PASS
734301.30	1143471.80	4745.16	12/17/2014	3-278-3036	H14120376-026	30	36	7.8		10		1 U		279		19		166		475	PASS
3-279																					
734310.08	1143325.43	4747.19	11/17/2014	3-279-3642	H14110380-030	36	42	6.8		5		4		1110		11		545		1675	FAIL
734310.08	1143325.43	4747.19	11/17/2014	3-279-4248	H14110380-031	42	48	7.3		5		1		73		13		929		1021	PASS
3-280																					
734315.30	1143200.05	4747.41	11/17/2014	3-280-0612	H14110380-032	6	12	6.6		543		1 U		2370		465		530		3909	FAIL
734315.30	1143200.05	4747.41	11/17/2014	3-280-1218	H14110380-033	12	18	6.8		17		1 U		518		10		93		639	PASS
734315.30	1143200.05	4747.41	11/17/2014	3-280-1824	H14110380-034	18	24	6.9		6		1 U		1070		9		128		1214	PASS
3-281																					
734321.32	1143079.03	4747.64	11/17/2014	3-281-0612	H14110380-035	6	12	6.3		143		9		16200		217		2230		18799	FAIL
734321.32	1143079.03	4747.64	11/17/2014	3-281-1218	H14110380-036	12	18	7.3		8		7		1310		9		2660		3994	FAIL
734321.32	1143079.03	4747.64	11/17/2014	3-281-1824	H14110380-037	18	24	7		5		2		1150		7		355		1519	FAIL
734321.32	1143079.03	4747.64	11/17/2014	3-281-2430	H14120307-001	24	30	7		6		1		1530		6		412		1955	FAIL
734321.32	1143079.03	4747.64	11/17/2014	3-281-3036	H14120307-002	30	36	7.1		6		1		743		7		283		1040	PASS
3-281N																					
734456.54	1143054.27	4748.27	11/17/2014	3-281N-0006	H14110380-038	0	6	7.6		42		1 U		179		19		259		500	PASS
734456.54	1143054.27	4748.27	11/17/2014	3-281N-0612	H14110380-039	6	12	7.6		63		1 U		270		25		237		596	PASS
3-282																					
734326.43	1142950.46	4748.08	11/17/2014	3-282-3036	H14110380-040	30	36	6.7		783		4		5700		388		1980		8855	FAIL
734326.43	1142950.46	4748.08	11/17/2014	3-282-3642	H14110380-041	36	42	6.8		825		8		9500		415		3630		14378	FAIL
734326.43	1142950.46	4748.08	11/17/2014	3-282-4248	H14110380-042	42	48	7		1170		19		17900		678		7750		27517	FAIL
3-282N																					
734452.87	1142960.35	4747.90	11/17/2014	3-282N-0006	H14110380-043	0	6	7.4		127		4		1450		155		848		2584	FAIL
734452.87	1142960.35	4747.90	11/17/2014	3-282N-0612	H14110380-044	6	12	7.5		29		1 U		124		21		136		311	PASS
734452.87	1142960.35	4747.90	11/17/2014	3-282N-1218	H14110380-045	12	18	7.5		21		1 U		42		13		86		163	PASS
3-283																					
734331.64	1142826.13	4748.87	11/17/2014	3-283-3036	H14110380-046	30	36	6.9		10		6		2350		12		1450		3828	FAIL
734331.64	1142826.13	4748.87	11/17/2014	3-283-3642	H14110380-047	36	42	7		8		2		2260		11		828		3109	FAIL
734331.64	1142826.13	4748.87	11/17/2014	3-283-4248	H14110380-048	42	48	7.4		73		1		1650		12		618		2354	FAIL
3-283N																					
734409.78	1142815.81	4747.72	11/18/2014	3-283N-0612	H14110379-004	6	12	7.4		719		7		4520		560		2380		8186	FAIL
734409.78	1142815.81	4747.72	11/18/2014	3-283N-1218	H14110379-005	12	18	7.5		21		1		116		19		378		535	PASS
734409.78	1142815.81	4747.72	11/18/2014	3-283N-1824	H14110379-006	18	24	7.6		14		1 U		74		16		127		232	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg							
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL	
3-284																				
734336.54	1142700.90	4748.96	11/18/2014	3-284-2430	H14110379-007	24	30	7.1		19		28		10100		25		5670	15842	FAIL
734336.54	1142700.90	4748.96	11/18/2014	3-284-3036	H14110379-008	30	36	6.9		6	1 U	45		13		161		226	226	PASS
734336.54	1142700.90	4748.96	11/18/2014	3-284-3642	H14110379-009	36	42	7		7	1 U	21		8		48		85	85	PASS
3-285																				
734342.68	1142576.31	4747.34	11/18/2014	3-285-2430	H14110379-010	24	30	7.2		36		3	215		51		2170	2475	2475	FAIL
734342.68	1142576.31	4747.34	11/18/2014	3-285-3036	H14110379-011	30	36	6.9		16		4	118		12		1870	2020	2020	FAIL
734342.68	1142576.31	4747.34	11/18/2014	3-285-3642	H14110379-012	36	42	6.8		22		3	56		14		1290	1385	1385	PASS
3-286																				
734348.51	1142450.83	4747.92	11/10/2014	3-286-0612	H14110250-044	6	12	7.3		2740		16		19500		1200		4010	27466	FAIL
734348.51	1142450.83	4747.92	11/10/2014	3-286-1218	H14110250-045	12	18	7.4		28	1 U	124		28		779		960	960	PASS
734348.51	1142450.83	4747.92	11/10/2014	3-286-1824	H14110250-046	18	24	7.2		13	1 U	65		20		185		284	284	PASS
3-287																				
734353.15	1142326.50	4747.14	11/21/2014	3-287-2430	H14120307-006	24	30	7.5		15	1 U	41		14		101		172	172	PASS
734353.15	1142326.50	4747.14	11/21/2014	3-287-3036	H14120307-007	30	36	7.2		149		5	1030		114		1340	2638	2638	FAIL
734353.15	1142326.50	4747.14	11/21/2014	3-287-3642	H14120033-010	36	42	7.4		56	1 U	330		31		786		1204	1204	PASS
734353.15	1142326.50	4747.14	11/21/2014	3-287-4248	H14120033-011	42	48	7.6		30	2	252		41		451		776	776	PASS
3-288																				
734358.36	1142202.65	4748.16	11/21/2014	3-288-1218	H14120033-012	12	18	7.7		299		5	2100		308		1670	4382	4382	FAIL
734358.36	1142202.65	4748.16	11/21/2014	3-288-1824	H14120033-014	18	24	7.4		116	3	543		101		799		1562	1562	FAIL
734358.36	1142202.65	4748.16	11/21/2014	3-288-2430	H14120033-015	24	30	7.3		32 J	1 U	80		12		162		287	287	PASS
3-289																				
734364.18	1142077.01	4748.47	11/11/2014	3-289-1824	H14110250-054	18	24	7.1		3310		22	23500		1390		6060	34282	34282	FAIL
734364.18	1142077.01	4748.47	11/11/2014	3-289-2430	H14110250-055	24	30	7.6		20	1 U	68		20		109		218	218	PASS
734364.18	1142077.01	4748.47	11/11/2014	3-289-3036	H14110250-056	30	36	7.9		11	1 U	52		19		86		169	169	PASS
3-289W																				
734425.27	1141997.94	4750.55	11/11/2014	3-289W-0006	H14110250-057	0	6	8.1		55	1 U	192		27		159		434	434	PASS
734425.27	1141997.94	4750.55	11/11/2014	3-289W-0612	H14110250-058	6	12	8		14	1 U	33		6		46		100	100	PASS
3-292																				
734396.53	1144205.90	4744.81	12/11/2014	3-292-0006	H14120291-001	0	6	7.9		303		5	1260		283		1420	3271	3271	FAIL
734396.53	1144205.90	4744.81	12/11/2014	3-292-0612	H14120291-002	6	12	7.8		19	1 U	125		24		129		298	298	PASS
3-293																				
734400.89	1144078.98	4745.84	12/10/2014	3-293-1218	H14120297-001	12	18	8		100		9	4130		67		3070	7376	7376	FAIL
734400.89	1144078.98	4745.84	12/10/2014	3-293-1824	H14120297-003	18	24	7.8		14	1 U	237		19		169		440	440	PASS
734400.89	1144078.98	4745.84	12/10/2014	3-293-2430	H14120297-004	24	30	7.5		8	1 U	65		17		99		190	190	PASS
3-294																				
734406.07	1143709.28	4744.16	12/18/2014	3-294-4854	H14120373-023	48	54	7.4		226		19	1660		180		2820	4905	4905	FAIL
734406.07	1143709.28	4744.16	12/18/2014	3-294-5460	H14120373-024	54	60	7.4		199		15	1430		150		2300	4094	4094	FAIL
3-295																				
734423.31	1143492.54	4744.87	12/17/2014	3-295-2430	H14120376-027	24	30	6.9		1900		26	13200		787		8130	24043	24043	FAIL
734423.31	1143492.54	4744.87	12/17/2014	3-295-3036	H14120376-028	30	36	7.4		22	1 U	57		16		60		156	156	PASS
734423.31	1143492.54	4744.87	12/17/2014	3-295-3642	H14120376-029	36	42	7.4		4	1 U	20		7		33		65	65	PASS
3-296																				
734430.59	1143337.16	4747.52	11/17/2014	3-296-4248	H14110380-049	42	48	5.9		14		8	4980		15		961	5978	5978	FAIL
734430.59	1143337.16	4747.52	11/17/2014	3-296-4854	H14110380-050	48	54	5.3		18	1 U	69		6		434		528	528	PASS
734430.59	1143337.16	4747.52	11/17/2014	3-296-5460	H14110380-051	54	60	5		63	2	901		26		357		1349	1349	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			Result (MG/KG)
3-296N																						
734548.46	1143340.05	4746.62	11/18/2014	3-296N-0006	H14110379-013	0	6	7.5		52		1		131		32		272		488	PASS	
734548.46	1143340.05	4746.62	11/18/2014	3-296N-0612	H14110379-014	6	12	7.6		39		1 U		58		14		156		268	PASS	
3-297																						
734439.95	1143206.03	4747.24	11/17/2014	3-297-1218	H14110380-052	12	18	7.1		1060		2		6140		786		744		8732	FAIL	
734439.95	1143206.03	4747.24	11/17/2014	3-297-1824	H14110380-053	18	24	7.3		21		1 U		467		9		60		558	PASS	
734439.95	1143206.03	4747.24	11/17/2014	3-297-2430	H14110380-054	24	30	7.4		6		1 U		391		5		71		474	PASS	
3-297N																						
734564.02	1143180.97	4746.88	11/18/2014	3-297N-0006	H14110379-015	0	6	7.6		173		4		1480		145		944		2746	FAIL	
734564.02	1143180.97	4746.88	11/18/2014	3-297N-0612	H14110379-016	6	12	7.6		41		1 U		132		30		142		346	PASS	
3-298																						
734445.70	1143953.61	4745.55	12/10/2014	3-298-0006	H14120297-005	0	6	7.6		481		6		2030		365		1960		4842	FAIL	
734445.70	1143953.61	4745.55	12/10/2014	3-298-0612	H14120297-006	6	12	7.9		289		4		1870		254		1380		3797	FAIL	
734445.70	1143953.61	4745.55	12/10/2014	3-298-1218	H15010288-003	12	18	8		32 J		1 U		198		45		212		488	PASS	
734445.70	1143953.61	4745.55	12/10/2014	3-298-1824	H15010288-004	18	24	7.8		8		1 U		39		10		71		129	PASS	
3-299																						
734459.83	1143834.81	4745.46	12/10/2014	3-299-2430	H14120297-007	24	30	7.1		544		7		3510		354		2500		6915	FAIL	
734459.83	1143834.81	4745.46	12/10/2014	3-299-3036	H14120297-008	30	36	7.5		298		3		239		325		658		1523	FAIL	
734459.83	1143834.81	4745.46	12/10/2014	3-299-3642	H14120297-009	36	42	7		73		3		1500		63		1090		2729	FAIL	
734459.83	1143834.81	4745.46	12/10/2014	3-299-4248	H14120297-010	42	48	7.3		15		2		1560		16		807		2400	FAIL	
734459.83	1143834.81	4745.46	12/10/2014	3-299-4854	H15010288-005	48	54	7.3		40 J		2		1020		11		749		1822	FAIL	
734459.83	1143834.81	4745.46	12/10/2014	3-299-5460	H15010288-006	54	60	7.4		34 J		1		1290		31		423		1779	FAIL	
3-300																						
734460.62	1142707.07	4747.55	11/18/2014	3-300-1824	H14110379-017	18	24	6.6		6		2		45		16		1970		2039	FAIL	
734460.62	1142707.07	4747.55	11/18/2014	3-300-2430	H14110379-018	24	30	6.8		3		7		100		11		792		913	PASS	
734460.62	1142707.07	4747.55	11/18/2014	3-300-3036	H14110379-019	30	36	6.8		5		4		368		16		630		1023	PASS	
734460.62	1142707.07	4747.55	11/18/2014	3-300-3642	H14110379-020	36	42	7.2		5		2		100		23		1590		1720	FAIL	
734460.62	1142707.07	4747.55	11/18/2014	3-300-4248	H14120307-003	42	48	7.2		5		19		124		12		820		980	PASS	
3-301																						
734460.73	1143612.88	4744.99	12/10/2014	3-301-4248	H14120297-011	42	48	7.6		1540		20		13500		1560		5370		21990	FAIL	
734460.73	1143612.88	4744.99	12/10/2014	3-301-4854	H14120297-012	48	54	7.5		15		1 U		95		17		84		212	PASS	
734460.73	1143612.88	4744.99	12/10/2014	3-301-5460	H14120297-013	54	60	7.3		12		1 U		48		12		113		186	PASS	
3-302																						
734467.61	1142581.73	4746.99	11/18/2014	3-302-1824	H14110379-021	18	24	6.3		127		9		620		78		2370		3204	FAIL	
734467.61	1142581.73	4746.99	11/18/2014	3-302-2430	H14110379-022	24	30	5.7		17		2		59		15		1150		1243	PASS	
734467.61	1142581.73	4746.99	11/18/2014	3-302-3036	H14110379-023	30	36	6.5		9		2		52		15		551		629	PASS	
3-303																						
734473.04	1142456.85	4747.17	11/20/2014	3-303-2430	H14120034-001	24	30	7.3		2200		22		20500		1120		6010		29852	FAIL	
734473.04	1142456.85	4747.17	11/20/2014	3-303-3036	H14120034-002	30	36	5.9		28		1 U		77		15		119		240	PASS	
734473.04	1142456.85	4747.17	11/20/2014	3-303-3642	H14120034-003	36	42	7		6		1 U		43		14		62		126	PASS	
3-304																						
734480.16	1142328.97	4747.16	11/20/2014	3-304-3036	H14120034-004	30	36	7		261		5		1570		231		1480		3547	FAIL	
734480.16	1142328.97	4747.16	11/20/2014	3-304-3642	H14120034-005	36	42	7.3		368		7		2830		358		2260		5823	FAIL	
734480.16	1142328.97	4747.16	11/20/2014	3-304-4248	H14120034-006	42	48	7.4		188		3		1130		142		1080		2543	FAIL	

**Appendix A
Table A. Base of Tailings/Impacted Soil Data**
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM		COPPER		LEAD		ZINC		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	O	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
3-305																					
734483.84	1142206.77	4748.34	11/21/2014	3-305-0006	H14120033-016	0	6	7.8		403		4		1880		319		1140		3746	FAIL
734483.84	1142206.77	4748.34	11/21/2014	3-305-0612	H14120033-017	6	12	8.1		36	J	1	U	201		26		133		397	PASS
734483.84	1142206.77	4748.34	11/21/2014	3-305-1218	H14120033-018	12	18	8		17	J	1	U	69		10		65		162	PASS
3-309																					
734518.44	1144212.89	4744.35	12/11/2014	3-309-0006	H14120291-003	0	6	7.7		138		4		760		212		1020		2134	FAIL
734518.44	1144212.89	4744.35	12/11/2014	3-309-0612	H14120291-004	6	12	7.9		131		2		710		134		668		1645	FAIL
734518.44	1144212.89	4744.35	12/11/2014	3-309-1218	H15010288-001	12	18	7.6		11		1	U	49		16		97		174	PASS
3-310																					
734527.29	1144085.94	4743.86	12/10/2014	3-310-1824	H14120297-014	18	24	7.5		382		4		2720		478		1380		4964	FAIL
734527.29	1144085.94	4743.86	12/10/2014	3-310-2430	H14120297-015	24	30	7.2		197		3		2300		827		1180		4507	FAIL
734527.29	1144085.94	4743.86	12/10/2014	3-310-3036	H14120297-016	30	36	6.9		5		1	U	40		19		84		149	PASS
3-311																					
734531.91	1143960.40	4743.87	12/10/2014	3-311-2430	H14120297-017	24	30	7.7		17		11		1180		14		2760		3982	FAIL
734531.91	1143960.40	4743.87	12/10/2014	3-311-3036	H14120297-018	30	36	7.5		8		1	U	26		13		81		129	PASS
734531.91	1143960.40	4743.87	12/10/2014	3-311-3642	H14120297-019	36	42	6.9		5		1	U	28		15		67		116	PASS
3-312																					
734532.65	1143835.67	4744.19	12/10/2014	3-312-2430	H14120297-020	24	30	5.6		24		3		769		26		1020		1842	FAIL
734532.65	1143835.67	4744.19	12/10/2014	3-312-3036	H14120297-021	30	36	6		4		1	U	28		12		55		100	PASS
734532.65	1143835.67	4744.19	12/10/2014	3-312-3642	H14120297-022	36	42	6.7		5		1	U	35		16		69		126	PASS
3-313																					
734542.21	1143712.03	4744.96	12/10/2014	3-313-3036	H14120297-023	30	36	7.2		6		11		21300		20		3560		24897	FAIL
734542.21	1143712.03	4744.96	12/10/2014	3-313-3642	H14120297-024	36	42	6.9		4		1	U	81		9		250		345	PASS
734542.21	1143712.03	4744.96	12/10/2014	3-313-4248	H14120297-025	42	48	7.5		5		1	U	31		17		68		122	PASS
3-314																					
734548.88	1143585.77	4744.54	12/10/2014	3-314-3642	H14120297-026	36	42	7.3		317		5		2240		271		1660		4493	FAIL
734548.88	1143585.77	4744.54	12/10/2014	3-314-4248	H14120297-027	42	48	7.2		1770		30		12400		749		7710		22659	FAIL
3-315																					
734584.85	1142711.13	4746.90	11/18/2014	3-315-2430	H14110379-024	24	30	6.9		1350		10		9180		2000		3110		15650	FAIL
734584.85	1142711.13	4746.90	11/18/2014	3-315-3036	H14110379-025	30	36	7.2		11		1	U	58		22		109		201	PASS
734584.85	1142711.13	4746.90	11/18/2014	3-315-3642	H14110379-026	36	42	7.6		7		1	U	54		17		80		159	PASS
3-315E																					
734568.80	1142833.69	4746.34	11/18/2014	3-315E-1824	H14110379-027	18	24	7.4		674		21		15200		412		3800		20107	FAIL
734568.80	1142833.69	4746.34	11/18/2014	3-315E-2430	H14120078-010	24	30	7.5		35		1		121		27		677		861	PASS
734568.80	1142833.69	4746.34	11/18/2014	3-315E-3036	H14120078-011	30	36	7.2		24		1	U	155		28		189		397	PASS
3-315E2																					
734543.51	1142928.88	4747.60	11/18/2014	3-315E2-0006	H14120165-028	0	6	7.6		1580		18		11800		1230		4940		19568	FAIL
734543.51	1142928.88	4747.60	11/18/2014	3-315E2-0612	H14120165-029	6	12	7.7		43		1	U	150		29		159		382	PASS
734543.51	1142928.88	4747.60	11/18/2014	3-315E2-1218	H14120165-030	12	18	7.7		18		1	U	36		15		86		156	PASS
3-316																					
734597.70	1142462.41	4748.48	11/20/2014	3-316-0006	H14120034-007	0	6	8.4		156		2		643		137		643		1581	FAIL
734597.70	1142462.41	4748.48	11/20/2014	3-316-0612	H14120034-008	6	12	8.3		34		1	U	54		11		60		160	PASS
3-317																					
734603.30	1142337.94	4747.05	11/20/2014	3-317-0006	H14120034-009	0	6	7.5		1160		10		6470		819		2650		11109	FAIL
734603.30	1142337.94	4747.05	11/20/2014	3-317-0612	H14120034-010	6	12	7.3		55		2		124		27		778		986	PASS
734603.30	1142337.94	4747.05	11/20/2014	3-317-1218	H14120034-011	12	18	7.4		30		1	U	42		19		161		253	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
3-318																					
734608.49	1142211.67	4747.30	11/20/2014	3-318-0006	H14120034-012	0	6	7.6		607		5		3100		747		1820		6279	FAIL
734608.49	1142211.67	4747.30	11/20/2014	3-318-0612	H14120034-013	6	12	7.6		15		1 U		62		21		146		245	PASS
734608.49	1142211.67	4747.30	11/20/2014	3-318-1218	H14120034-014	12	18	7.6		12		1 U		68		17		64		162	PASS
3-321																					
734641.15	1144341.17	4744.19	12/11/2014	3-321-0006	H14120291-005	0	6	7.7		139		3		1060		262		1030		2494	FAIL
734641.15	1144341.17	4744.19	12/11/2014	3-321-0612	H14120291-006	6	12	7.8		42		1 U		174		26		157		400	PASS
3-322																					
734646.49	1144215.49	4742.51	12/10/2014	3-322-1218	H14120297-028	12	18	7		637		7		4390		459		1950		7443	FAIL
734646.49	1144215.49	4742.51	12/10/2014	3-322-1824	H14120297-029	18	24	6.8		15		1 U		112		34		130		292	PASS
734646.49	1144215.49	4742.51	12/10/2014	3-322-2430	H14120297-030	24	30	6.9		209		3		1460		640		933		3245	FAIL
734646.49	1144215.49	4742.51	12/10/2014	3-322-3036	H15010288-007	30	36	6.7		7		1 U		49		21		82		160	PASS
734646.49	1144215.49	4742.51	12/10/2014	3-322-3642	H15010288-008	36	42	3.5		13		1 U		21		11		56		102	PASS
3-323																					
734663.78	1143521.51	4745.93	12/18/2014	3-323-1824	H14120373-025	18	24	7.5		106		12		6220		80		3860		10278	FAIL
734663.78	1143521.51	4745.93	12/18/2014	3-323-2430	H14120373-026	24	30	7.2		17		1 U		189		17		218		442	PASS
734663.78	1143521.51	4745.93	12/18/2014	3-323-3036	H14120373-027	30	36	7.1		10		1 U		57		18		96		182	PASS
3-324																					
734650.88	1144092.12	4743.96	12/10/2014	3-324-1218	H14120297-031	12	18	7.4		1990		13		15800		870		3900		22573	FAIL
734650.88	1144092.12	4743.96	12/10/2014	3-324-1824	H14120297-032	18	24	7.1		105		2		767		67		1150		2091	FAIL
734650.88	1144092.12	4743.96	12/10/2014	3-324-2430	H14120297-033	24	30	7		7		1 U		29		13		62		112	PASS
3-325																					
734657.33	1143967.05	4743.88	12/10/2014	3-325-0612	H14120297-034	6	12	7.4		2620		18		21800		1070		3830		29338	FAIL
734657.33	1143967.05	4743.88	12/10/2014	3-325-1218	H14120297-035	12	18	7.2		156		1 U		1390		62		361		1970	FAIL
734657.33	1143967.05	4743.88	12/10/2014	3-325-1824	H14120297-036	18	24	7.2		30		1 U		269		20		85		405	PASS
3-326																					
734652.69	1143612.03	4744.06	12/10/2014	3-326-1218	H14120297-037	12	18	7.5		102		3		809		87		878		1879	FAIL
734652.69	1143612.03	4744.06	12/10/2014	3-326-1824	H14120297-038	18	24	7		125		4		820		118		1070		2137	FAIL
734652.69	1143612.03	4744.06	12/10/2014	3-326-2430	H14120297-039	24	30	6.8		131		5		873		111		1470		2590	FAIL
734652.69	1143612.03	4744.06	12/10/2014	3-326-3036	H15010288-009	30	36	6.3		132 J		4		1080		117		1180		2513	FAIL
734652.69	1143612.03	4744.06	12/10/2014	3-326-3642	H15010288-010	36	42	6.9		197 J		3		921		89		1130		2340	FAIL
734652.69	1143612.03	4744.06	12/10/2014	3-326-4248	H15020269-005	42	48	7.3		217		3		712		96 J		791		1819	FAIL
3-327																					
734662.46	1143841.00	4744.00	12/10/2014	3-327-1824	H14120297-040	18	24	7		2720		18		20900		978		4060		28676	FAIL
734662.46	1143841.00	4744.00	12/10/2014	3-327-2430	H14120297-041	24	30	7.1		78		1 U		566		89		288		1022	PASS
734662.46	1143841.00	4744.00	12/10/2014	3-327-3036	H14120297-042	30	36	6.9		5		1 U		34		11		56		107	PASS
3-328																					
734667.83	1143716.92	4743.64	12/10/2014	3-328-2430	H14120297-043	24	30	7.3		542		12		8520		1670		3590		14334	FAIL
734667.83	1143716.92	4743.64	12/10/2014	3-328-3036	H14120297-044	30	36	7.5		8		1 U		57		17		104		187	PASS
734667.83	1143716.92	4743.64	12/10/2014	3-328-3642	H14120297-045	36	42	7.7		4		1 U		25		11		78		119	PASS
3-329																					
734706.20	1142843.14	4746.16	11/18/2014	3-329-4248	H14120165-031	42	48	7.3		5		16		1470		11		974		2476	FAIL
734706.20	1142843.14	4746.16	11/18/2014	3-329-4854	H14120165-032	48	54	7.3		6		19		3160		12		429		3626	FAIL
734706.20	1142843.14	4746.16	11/18/2014	3-329-5460	H14120165-033	54	60	7.2		15		72		3750		21		1020		4878	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
3-329E																					
734677.74	1142974.10	4747.07	11/18/2014	3-329E-2430	H14120165-034	24	30	7.6		8		34		1150		14		4010		5216	FAIL
734677.74	1142974.10	4747.07	11/18/2014	3-329E-3036	H14120165-035	30	36	7.7		6		5		100		11		1130		1252	PASS
734677.74	1142974.10	4747.07	11/18/2014	3-329E-3642	H14120165-036	36	42	7.7		7		1 U		39		9		283		339	PASS
3-329E2																					
734658.46	1143096.35	4746.53	11/19/2014	3-329E2-0006	H14120040-001	0	6	7.7		27		1 U		104		16		109		257	PASS
734658.46	1143096.35	4746.53	11/19/2014	3-329E2-0612	H14120040-002	6	12	8		15		1 U		26		12		60		114	PASS
3-329W																					
734721.34	1142726.45	4746.28	11/19/2014	3-329W-1218	H15010160-002	12	18	7.4		158		27		7230		80		4650		12145	FAIL
734721.34	1142726.45	4746.28	11/19/2014	3-329W-1824	H14120034-003	18	24	7.6		16		2		327		19		840		1204	PASS
734721.34	1142726.45	4746.28	11/19/2014	3-329W-2430	H14120040-004	24	30	7.4		15		1 U		69		20		178		283	PASS
734721.34	1142726.45	4746.28	11/19/2014	3-329W-3036	H14120040-005	30	36	7.6		14		1 U		66		17		87		185	PASS
3-330																					
734717.03	1142592.35	4746.57	11/18/2014	3-330-1824	H14120165-037	18	24	7.3		7		6		2740		18		1220		3991	FAIL
734717.03	1142592.35	4746.57	11/18/2014	3-330-2430	H14120165-038	24	30	7.2		4		2		178		15		959		1158	PASS
734717.03	1142592.35	4746.57	11/18/2014	3-330-3036	H14120165-039	30	36	7.1		7		3		228		19		1110		1367	PASS
3-331																					
734722.07	1142467.54	4746.71	11/20/2014	3-331-0612	H15010160-001	6	12	7.5		1530		10		10300		1210		3170		16220	FAIL
734722.07	1142467.54	4746.71	11/20/2014	3-331-1218	H14120034-015	12	18	7.8		15		1 U		138		24		140		318	PASS
734722.07	1142467.54	4746.71	11/20/2014	3-331-1824	H14120034-016	18	24	7.6		9		1 U		50		22		77		159	PASS
734722.07	1142467.54	4746.71	11/20/2014	3-331-2430	H14120034-017	24	30	7.6		5		1 U		25		11		54		96	PASS
3-332																					
734727.99	1142342.76	4747.09	11/20/2014	3-332-0006	H14120034-018	0	6	7.9		494		4		2190		409		1240		4337	FAIL
734727.99	1142342.76	4747.09	11/20/2014	3-332-0612	H14120034-019	6	12	7.9		77		5		1130		76		1390		2678	FAIL
734727.99	1142342.76	4747.09	11/20/2014	3-332-1218	H14120034-020	12	18	8		10		1 U		64		15		106		196	PASS
3-333																					
734732.93	1142217.32	4746.75	11/20/2014	3-333-0006	H14120034-022	0	6	7.7		1290		10		9340		1060		2870		14570	FAIL
734732.93	1142217.32	4746.75	11/20/2014	3-333-0612	H14120034-023	6	12	7.8		67		9		1420		57		2460		4013	FAIL
734732.93	1142217.32	4746.75	11/20/2014	3-333-1218	H14120034-024	12	18	7.6		16		1 U		103		21		317		458	PASS
3-333W																					
734730.41	1142119.96	4748.83	11/20/2014	3-333W-0006	H14120034-026	0	6	8.1		171		3		283		62		241		760	PASS
734730.41	1142119.96	4748.83	11/20/2014	3-333W-0612	H14120034-027	6	12	7.9		29		1 U		63		12		63		168	PASS
3-334																					
734758.30	1143636.69	4744.51	12/23/2014	3-334-2430	H14120493-001	24	30	7.6		1240		13		10800		801		3760		16614	FAIL
734758.30	1143636.69	4744.51	12/23/2014	3-334-3036	H14120493-002	30	36	7.5		21		1 U		143		22		358		545	PASS
734758.30	1143636.69	4744.51	12/23/2014	3-334-3642	H14120493-003	36	42	7.1		4		1 U		35		9		51		100	PASS
3-335																					
734759.67	1144470.63	4743.08	12/17/2014	3-335-0006	H14120376-030	0	6	7.9		450		6		2230		379		2020		5085	FAIL
734759.67	1144470.63	4743.08	12/17/2014	3-335-0612	H14120376-031	6	12	7.6		114		2		768		169		666		1719	FAIL
734759.67	1144470.63	4743.08	12/17/2014	3-335-1218	H15020270-005	12	18	7.5		20 J		1 U		73		14		89		197	PASS
734759.67	1144470.63	4743.08	12/17/2014	3-335-1824	H15020270-006	18	24	7.4		9 J		1 U		49		19		96		174	PASS
3-336																					
734761.56	1144378.91	4743.61	12/11/2014	3-336-0612	H14120291-007	6	12	7.7		351		5		2040		346		1580		4322	FAIL
734761.56	1144378.91	4743.61	12/11/2014	3-336-1218	H14120291-008	12	18	7.7		14		1 U		77		19		91		202	PASS
734761.56	1144378.91	4743.61	12/11/2014	3-336-1824	H14120291-009	18	24	7.5		8		1 U		51		16		82		158	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
3-337																					
734771.68	1144220.74	4742.85	12/22/2014	3-337-4854	H14120495-001	48	54	7.5		185		3		1610		209		1030		3037	FAIL
734771.68	1144220.74	4742.85	12/22/2014	3-337-5460	H14120495-002	54	60	7.6		338		4		6400		572		1120		8434	FAIL
3-338																					
734781.74	1143544.37	4744.52	12/18/2014	3-338-1218	H14120373-028	12	18	7.6		430		4		2980		388		1590		5392	FAIL
734781.74	1143544.37	4744.52	12/18/2014	3-338-1824	H14120373-030	18	24	7.6		31		1		201		33		581		847	PASS
734781.74	1143544.37	4744.52	12/18/2014	3-338-2430	H14120373-031	24	30	7.3		10		1 U		47		19		114		191	PASS
3-339																					
734779.10	1144099.51	4744.16	12/23/2014	3-339-3036	H14120493-004	30	36	6.5		9		4		5520		17		796		6346	FAIL
734779.10	1144099.51	4744.16	12/23/2014	3-339-3642	H14120493-005	36	42	7		7		5		337		12		843		1204	PASS
734779.10	1144099.51	4744.16	12/23/2014	3-339-4248	H14120493-006	42	48	7.1		8		1 U		32		10		41		92	PASS
3-340																					
734783.63	1143966.13	4743.35	12/10/2014	3-340-2430	H14120297-046	24	30	6.2		325		9		1860		156		2950		5300	FAIL
734783.63	1143966.13	4743.35	12/10/2014	3-340-3036	H14120297-047	30	36	6.9		6		1 U		186		11		252		456	PASS
734783.63	1143966.13	4743.35	12/10/2014	3-340-3642	H14120297-048	36	42	7.3		3		1 U		21		8		83		116	PASS
3-341																					
734786.98	1143847.24	4743.22	12/10/2014	3-341-3642	H14120297-049	36	42	7.6		13		1		4580		11		710		5315	FAIL
734786.98	1143847.24	4743.22	12/10/2014	3-341-4248	H14120297-050	42	48	7.9		45		2		3330		49		517		3943	FAIL
3-341S																					
736141.05	1144398.30	4742.50	12/16/2014	3-421S-1218	H15020270-012	12	18	6.4		28		2		878		11		255		1174	PASS
3-342																					
734796.25	1143700.67	4744.00	12/23/2014	3-342-2430	H14120493-007	24	30	7		345		6		5490		1100		1900		8841	FAIL
734796.25	1143700.67	4744.00	12/23/2014	3-342-3036	H14120493-008	30	36	6.7		15		1 U		41		24		91		172	PASS
734796.25	1143700.67	4744.00	12/23/2014	3-342-3642	H14120493-009	36	42	7		6		1 U		30		19		86		142	PASS
3-343																					
734831.41	1142847.68	4746.52	11/18/2014	3-343-1218	H14120165-040	12	18	7.5		1470		17		12800		939		3270		18496	FAIL
734831.41	1142847.68	4746.52	11/18/2014	3-343-1824	H14120165-041	18	24	7.3		17		1 U		176		25		212		431	PASS
734831.41	1142847.68	4746.52	11/18/2014	3-343-2430	H14120165-042	24	30	7.2		6		2		70		13		455		546	PASS
3-343E																					
734824.56	1142967.72	4746.75	11/19/2014	3-343E-0612	H14120040-006	6	12	6.7		1980		5		5740		756		2250		10731	FAIL
734824.56	1142967.72	4746.75	11/19/2014	3-343E-1218	H14120040-007	12	18	7.5		1130		10		12300		1200		3720		18360	FAIL
734824.56	1142967.72	4746.75	11/19/2014	3-343E-1824	H14120040-008	18	24	7.8		34		2		253		20		1120		1429	FAIL
3-343E2																					
734816.70	1143093.51	4745.63	11/19/2014	3-343E2-0006	H14120040-009	0	6	7.9		181		9		1910		215		1530		3845	FAIL
734816.70	1143093.51	4745.63	11/19/2014	3-343E2-0612	H14120040-010	6	12	7.8		23		1 U		104		16		122		266	PASS
734816.70	1143093.51	4745.63	11/19/2014	3-343E2-1218	H14120040-011	12	18	7.6		26		1 U		44		10		47		128	PASS
3-343W																					
734847.10	1142747.02	4746.36	11/19/2014	3-343W-0006	H14120040-012	0	6	7.8		965		5		4280		653		1520		7423	FAIL
734847.10	1142747.02	4746.36	11/19/2014	3-343W-0612	H14120040-013	6	12	7.8		278		7		2720		256		1880		5141	FAIL
734847.10	1142747.02	4746.36	11/19/2014	3-343W-1218	H14120040-014	12	18	7.7		32		1 U		189		20		257		499	PASS
3-344																					
734841.60	1142597.75	4746.33	11/18/2014	3-344-0612	H14120165-043	6	12	7.3		1670		11		10200		1140		2400		15421	FAIL
734841.60	1142597.75	4746.33	11/18/2014	3-344-1218	H14120165-044	12	18	7.3		52		3		258		28		722		1063	PASS
734841.60	1142597.75	4746.33	11/18/2014	3-344-1824	H14120165-045	18	24	7.3		35		3		77		11		783		909	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM	COPPER	LEAD	ZINC	SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
3-345																	
734847.81	1142472.73	4746.70	11/20/2014	3-345-1824	H14120034-028	18	24	7.8		38		3	594	21	888	1544	FAIL
734847.81	1142472.73	4746.70	11/20/2014	3-345-2430	H14120034-029	24	30	7.7		22		1 U	29	15	177	244	PASS
734847.81	1142472.73	4746.70	11/20/2014	3-345-3036	H14120034-030	30	36	7.7		24		1 U	38	8	177	248	PASS
3-346																	
734848.70	1142304.30	4747.47	11/20/2014	3-346-1218	H14120034-031	12	18	6.8		2980		18	18100	1690	3970	26758	FAIL
734848.70	1142304.30	4747.47	11/20/2014	3-346-1824	H14120034-032	18	24	7.1		53		1 U	100	26	165	345	PASS
734848.70	1142304.30	4747.47	11/20/2014	3-346-2430	H14120034-033	24	30	7.8		7		1 U	25	12	75	120	PASS
3-347																	
734857.70	1142223.70	4746.83	11/20/2014	3-347-0612	H14120034-034	6	12	7.7		939		6	4510	877	2010	8342	FAIL
734857.70	1142223.70	4746.83	11/20/2014	3-347-1218	H14120034-035	12	18	7.8		27		1 U	132	35	139	334	PASS
734857.70	1142223.70	4746.83	11/20/2014	3-347-1824	H14120034-036	18	24	7.8		17		1 U	61	18	105	202	PASS
3-348																	
734891.93	1144352.78	4743.53	12/11/2014	3-348-1218	H14120291-010	12	18	7.8		423		6	2750	289	1860	5328	FAIL
734891.93	1144352.78	4743.53	12/11/2014	3-348-1824	H14120291-011	18	24	7.7		23		1 U	90	16	110	240	PASS
734891.93	1144352.78	4743.53	12/11/2014	3-348-2430	H14120291-012	24	30	7.6		8		1 U	42	13	73	137	PASS
3-348E																	
734941.73	1144465.01	4743.10	12/17/2014	3-348E-1218	H14120376-032	12	18	7.4		40		2	146	10	1660	1858	FAIL
734941.73	1144465.01	4743.10	12/17/2014	3-348E-1824	H14120376-033	18	24	7.3		7		1 U	32	12	97	149	PASS
734941.73	1144465.01	4743.10	12/17/2014	3-348E-2430	H14120376-034	24	30	7.1		6		1 U	34	10	137	188	PASS
3-348E2																	
734997.03	1144575.51	4742.65	12/17/2014	3-348E2-0006	H14120376-035	0	6	7.4		203		6	1630	272	1360	3471	FAIL
734997.03	1144575.51	4742.65	12/17/2014	3-348E2-0612	H14120376-036	6	12	7.6		284		5	2530	255	1380	4454	FAIL
734997.03	1144575.51	4742.65	12/17/2014	3-348E2-1218	H15020270-007	12	18	7.4		44 J		1 U	77	16	107	245	PASS
734997.03	1144575.51	4742.65	12/17/2014	3-348E2-1824	H15020270-008	18	24	7		5 J		1 U	36	12	64	118	PASS
3-349																	
734896.28	1144226.67	4742.43	12/22/2014	3-349-3642	H14120495-003	36	42	7.7		489		10	3900	375	2930	7704	FAIL
734896.28	1144226.67	4742.43	12/22/2014	3-349-4248	H14120495-004	42	48	7.5		264		5	2480	232	1110	4091	FAIL
3-350																	
734898.18	1143900.54	4743.35	12/10/2014	3-350-3642	H14120297-051	36	42	7.2		287		5	2360	173	1780	4605	FAIL
734898.18	1143900.54	4743.35	12/10/2014	3-350-4248	H14120297-052	42	48	7.4		440		6	2990	377	1900	5713	FAIL
3-351																	
734901.47	1144102.15	4743.29	12/23/2014	3-351-3036	H14120493-010	30	36	6.6		337		11	3580	1910	3630	9468	FAIL
734901.47	1144102.15	4743.29	12/23/2014	3-351-3642	H14120493-011	36	42	5.9		25		1	108	47	536	717	PASS
734901.47	1144102.15	4743.29	12/23/2014	3-351-4248	H14120493-012	42	48	6.8		145		3	2450	122	478	3198	FAIL
3-352																	
734915.05	1143998.59	4743.40	12/23/2014	3-352-1824	H14120493-013	18	24	7.1		1440		5	9210	1480	2870	15005	FAIL
734915.05	1143998.59	4743.40	12/23/2014	3-352-2430	H14120493-014	24	30	6.6		20		2	1180	42	643	1887	FAIL
734915.05	1143998.59	4743.40	12/23/2014	3-352-3036	H14120493-015	30	36	6.8		13		2	68	18	689	790	PASS
3-353																	
734918.33	1143727.28	4744.29	12/23/2014	3-353-1824	H14120493-016	18	24	7.6		40		1 U	347	35	267	690	PASS
734918.33	1143727.28	4744.29	12/23/2014	3-353-2430	H14120493-017	24	30	7.6		2		1 U	17	7	70	97	PASS
734918.33	1143727.28	4744.29	12/23/2014	3-353-3036	H14120493-018	30	36	7.6		2		1 U	15	7	70	95	PASS
3-353W																	
734966.99	1143614.65	4744.13	12/23/2014	3-353W-0612	H14120493-019	6	12	7.7		698		8	4620	445	2280	8051	FAIL
734966.99	1143614.65	4744.13	12/23/2014	3-353W-1218	H14120493-020	12	18	7.4		11		1 U	55	19	107	193	PASS
734966.99	1143614.65	4744.13	12/23/2014	3-353W-1824	H14120493-021	18	24	7.4		12		1 U	57	25	111	206	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg						
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL		
3-354																			
734950.39	1142980.78	4746.09	11/19/2014	3-354-0612	H14120040-015	6	12	7.5		499		2		1220		395	671	2787	FAIL
734950.39	1142980.78	4746.09	11/19/2014	3-354-1218	H14120040-016	12	18	7.9		21		1 U		43		14	97	176	PASS
734950.39	1142980.78	4746.09	11/19/2014	3-354-1824	H14120040-017	18	24	7.7		21		1 U		40		13	67	142	PASS
3-355																			
734966.84	1142604.33	4746.62	11/19/2014	3-355-0612	H14120040-018	6	12	7.9		190		2		967		180	691	2030	FAIL
734966.84	1142604.33	4746.62	11/19/2014	3-355-1218	H14120040-019	12	18	8		27		1 U		98		19	104	249	PASS
734966.84	1142604.33	4746.62	11/19/2014	3-355-1824	H14120040-021	18	24	7.8		6		1 U		20		8	41	76	PASS
3-356																			
734967.80	1143865.93	4743.44	12/23/2014	3-356-2430	H14120493-022	24	30	7.2		834		3		1180		628	1400	4045	FAIL
734967.80	1143865.93	4743.44	12/23/2014	3-356-3036	H14120493-023	30	36	7.1		662		2		837		388	876	2765	FAIL
734967.80	1143865.93	4743.44	12/23/2014	3-356-3642	H14120493-024	36	42	7.8		35		1 U		589		15	203	843	PASS
3-357																			
734972.32	1142478.88	4747.82	11/20/2014	3-357-0006	H14120034-037	0	6	8.1		344		4		1680		283	1350	3661	FAIL
734972.32	1142478.88	4747.82	11/20/2014	3-357-0612	H14120034-038	6	12	8.4		21		1 U		35		9	56	122	PASS
734972.32	1142478.88	4747.82	11/20/2014	3-357-1218	H14120034-039	12	18	8.4		10		1 U		24		9	46	90	PASS
3-358																			
734977.45	1142354.10	4746.02	11/20/2014	3-358-0612	H14120034-040	6	12	7.5		486		6		3200		363	1280	5335	FAIL
734977.45	1142354.10	4746.02	11/20/2014	3-358-1218	H14120034-041	12	18	7.5		50		4		247		28	809	1138	PASS
734977.45	1142354.10	4746.02	11/20/2014	3-358-1824	H14120034-042	18	24	7.3		34		1		71		23	441	570	PASS
3-358N																			
735093.10	1142376.09	4745.72	11/20/2014	3-358N-0006	H14120034-043	0	6	7		886		4		3280		648	1210	6028	FAIL
735093.10	1142376.09	4745.72	11/20/2014	3-358N-0612	H14120034-044	6	12	7.4		56		2		472		67	579	1176	PASS
735093.10	1142376.09	4745.72	11/20/2014	3-358N-1218	H14120034-045	12	18	7.5		12		1 U		504		9	393	919	PASS
3-358W																			
734988.52	1142232.16	4746.56	11/20/2014	3-358W-0006	H14120034-046	0	6	7.3		904		8		6040		596	2200	9748	FAIL
734988.52	1142232.16	4746.56	11/20/2014	3-358W-0612	H14120034-047	6	12	7.8		54		1		308		34	366	763	PASS
734988.52	1142232.16	4746.56	11/20/2014	3-358W-1218	H14120034-048	12	18	7.7		12		1 U		38		13	78	142	PASS
3-358W2																			
735026.75	1142113.83	4746.76	11/20/2014	3-358W2-0006	H14120034-049	0	6	7.7		481		7		2690		443	2020	5641	FAIL
735026.75	1142113.83	4746.76	11/20/2014	3-358W2-0612	H14120034-050	6	12	7.8		57		3		735		72	682	1549	FAIL
735026.75	1142113.83	4746.76	11/20/2014	3-358W2-1218	H14120034-051	12	18	7.9		32		1 U		143		26	165	367	PASS
3-359																			
734987.26	1144092.33	4743.16	12/22/2014	3-359-1824	H14120495-005	18	24	7.2		8		5		1220		13	2300	3546	FAIL
734987.26	1144092.33	4743.16	12/22/2014	3-359-2430	H14120495-006	24	30	7		5		1 U		142		12	361	521	PASS
734987.26	1144092.33	4743.16	12/22/2014	3-359-3036	H14120495-007	30	36	6.8		6		1 U		97		12	201	317	PASS
3-360																			
735020.85	1144257.15	4742.56	12/11/2014	3-360-1218	H14120291-013	12	18	7.5		379		6		3150		348	2070	5953	FAIL
735020.85	1144257.15	4742.56	12/11/2014	3-360-1824	H14120291-014	18	24	7.7		15		1 U		101		17	531	665	PASS
735020.85	1144257.15	4742.56	12/11/2014	3-360-2430	H14120291-015	24	30	7.7		6		1 U		43		13	88	151	PASS
3-360E																			
735065.52	1144374.73	4742.78	12/17/2014	3-360E-0612	H14120376-037	6	12	7.1		793		7		4120		478	2010	7408	FAIL
735065.52	1144374.73	4742.78	12/17/2014	3-360E-1218	H14120376-038	12	18	7.4		38		1 U		104		14	329	486	PASS
735065.52	1144374.73	4742.78	12/17/2014	3-360E-1824	H14120376-039	18	24	7.4		29		1 U		65		13	297	405	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
3-361																					
735017.83	1143983.09	4743.34	12/22/2014	3-361-3036	H14120495-008	30	36	6.4		403		6		4650		382		2260		7701	FAIL
735017.83	1143983.09	4743.34	12/22/2014	3-361-3642	H14120495-009	36	42	6.9		12		2		1310		12		515		1851	FAIL
735017.83	1143983.09	4743.34	12/22/2014	3-361-4248	H14120495-010	42	48	7		5		2		973		9		303		1292	PASS
3-362																					
735056.91	1143889.36	4742.71	12/22/2014	3-362-3642	H14120495-011	36	42	7.4		9		20		2310		14		1940		4293	FAIL
735056.91	1143889.36	4742.71	12/22/2014	3-362-4248	H14120495-012	42	48	7.4		4		1 U		28		9		1100		1142	PASS
735056.91	1143889.36	4742.71	12/22/2014	3-362-4854	H14120495-013	48	54	6.9		13		1 U		84		21		454		573	PASS
3-363																					
735075.48	1142983.59	4745.30	11/19/2014	3-363-4248	H14120040-022	42	48	6.5		136		1 U		56		22		1830		2045	FAIL
735075.48	1142983.59	4745.30	11/19/2014	3-363-4854	H14120040-023	48	54	5.4		61		1 U		27		10		691		790	PASS
735075.48	1142983.59	4745.30	11/19/2014	3-363-5460	H14120040-024	54	60	5.3		27		1 U		51		15		277		371	PASS
3-363E																					
735061.11	1143108.31	4745.40	11/19/2014	3-363E-0006	H14120040-025	0	6	7.6		431		8		3800		573		2070		6882	FAIL
735061.11	1143108.31	4745.40	11/19/2014	3-363E-0612	H14120040-026	6	12	7.6		28		1 U		73		16		104		222	PASS
735061.11	1143108.31	4745.40	11/19/2014	3-363E-1218	H14120040-027	12	18	7.7		19		1 U		45		14		83		162	PASS
3-363W																					
735079.79	1142865.01	4745.31	11/19/2014	3-363W-1824	H14120040-028	18	24	7		29		3		3420		16		414		3882	FAIL
735079.79	1142865.01	4745.31	11/19/2014	3-363W-2430	H14120040-029	24	30	7.6		14		2		677		10		480		1183	PASS
735079.79	1142865.01	4745.31	11/19/2014	3-363W-3036	H14120040-030	30	36	7.8		16		1 U		77		9		213		316	PASS
3-364																					
735091.80	1142610.11	4746.93	11/19/2014	3-364-0612	H14120040-031	6	12	7.9		10		1 U		38		8		62		119	PASS
735091.80	1142610.11	4746.93	11/19/2014	3-364-1218	H14120040-032	12	18	7.8		8		1 U		30		7		45		91	PASS
3-365																					
735097.48	1142484.91	4747.12	11/20/2014	3-365-0006	H14120034-052	0	6	8.1		198		3		594		111		586		1492	FAIL
735097.48	1142484.91	4747.12	11/20/2014	3-365-0612	H14120034-053	6	12	8.1		10		1 U		28		7		53		99	PASS
3-366																					
735132.46	1143914.46	4741.90	12/22/2014	3-366-4854	H14120495-014	48	54	7.4		20		1 U		2550		26		177		2774	FAIL
735132.46	1143914.46	4741.90	12/22/2014	3-366-5460	H14120495-015	54	60	7.1		496		5		5350		459		1100		7410	FAIL
3-367																					
735144.84	1144237.26	4742.53	12/15/2014	3-367-1824	H14120375-004	18	24	7.4		152		2		1160		125		697		2136	FAIL
735144.84	1144237.26	4742.53	12/15/2014	3-367-2430	H14120375-005	24	30	7.1		17		1 U		93		24		107		242	PASS
735144.84	1144237.26	4742.53	12/15/2014	3-367-3036	H14120375-006	30	36	7.1		15		1 U		68		19		78		181	PASS
3-368																					
735146.01	1143768.11	4743.07	12/22/2014	3-368-1218	H14120495-016	12	18	7.6		616		6		6270		323		1900		9115	FAIL
735146.01	1143768.11	4743.07	12/22/2014	3-368-1824	H14120495-017	18	24	7.5		448		3		3530		188		765		4934	FAIL
735146.01	1143768.11	4743.07	12/22/2014	3-368-2430	H14120495-018	24	30	7.6		10		1 U		86		15		110		222	PASS
3-368W																					
735168.79	1143646.38	4743.28	12/23/2014	3-368W-0612	H14120493-025	6	12	7.6		1050		9		8910		589		2180		12738	FAIL
735168.79	1143646.38	4743.28	12/23/2014	3-368W-1218	H14120493-026	12	18	7.7		29		1 U		97		15		115		257	PASS
735168.79	1143646.38	4743.28	12/23/2014	3-368W-1824	H14120493-027	18	24	7.5		10		1 U		45		20		98		174	PASS
3-368W2																					
20049.00	1143608.03	4742.78	12/23/2014	3-368W2-0612	H14120493-028	6	12	7.4		189		5		1510		233		1030		2967	FAIL
20049.00	1143608.03	4742.78	12/23/2014	3-368W2-1218	H14120493-029	12	18	7		18		1 U		44		15		95		173	PASS
20049.00	1143608.03	4742.78	12/23/2014	3-368W2-1824	H14120493-030	18	24	7		6		1 U		43		15		84		149	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD		Y_COORD		SURFACE ELEVATION (FT)		Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	CHOCHEMICAL_NAME REPORT_RESULT_UNIT	pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg	SUM OF COC (MG/KG)	PASS/FAIL
Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
3-369																			
735151.54	1144112.17	4742.20	12/11/2014	3-369-1218	H14120291-016	12	18	7.6	6	23	17100	11	4560	21700					FAIL
735151.54	1144112.17	4742.20	12/11/2014	3-369-1824	H14120291-017	18	24	7.7	6	1 U	99	13	2060	2179					FAIL
735151.54	1144112.17	4742.20	12/11/2014	3-369-2430	H14120291-018	24	30	7.2	8	1 U	86	27	134	256					PASS
3-370																			
735200.73	1142989.00	4746.46	11/19/2014	3-370-1824	H14120040-033	18	24	7.2	32	8	25500	14	2180	27734					FAIL
735200.73	1142989.00	4746.46	11/19/2014	3-370-2430	H14120040-035	24	30	7.7	28	27	1520	14	2170	3759					FAIL
735200.73	1142989.00	4746.46	11/19/2014	3-370-3036	H14120040-036	30	36	7.6	33	5	275	14	1230	1557					FAIL
735200.73	1142989.00	4746.46	11/19/2014	3-370-3642	H15010160-004	36	42	7.4	22	1 U	78	19	233	353					PASS
735200.73	1142989.00	4746.46	11/19/2014	3-370-4248	H15010160-005	42	48	7.4	14	1 U	50	15	132	212					PASS
3-370E																			
735167.48	1143119.20	4745.37	11/19/2014	3-370E-0006	H14120040-037	0	6	7.5	620	8	4900	537	2430	8495					FAIL
735167.48	1143119.20	4745.37	11/19/2014	3-370E-0612	H14120040-038	6	12	7.6	24	1 U	132	23	129	309					PASS
735167.48	1143119.20	4745.37	11/19/2014	3-370E-1218	H14120165-046	12	18	7.6	28	1 U	138	27	126	320					PASS
3-370N																			
735321.91	1143031.19	4743.90	11/19/2014	3-370N-0006	H15010160-006	0	6	7.6	760	11	6110	693	3100	10674					FAIL
735321.91	1143031.19	4743.90	11/19/2014	3-370N-0612	H14120040-041	6	12	7.6	27	1 U	157	29	206	420					PASS
735321.91	1143031.19	4743.90	11/19/2014	3-370N-1218	H14120040-042	12	18	7.6	88	1 U	489	92	325	995					PASS
735321.91	1143031.19	4743.90	11/19/2014	3-370N-1824	H14120040-043	18	24	7.3	14	1 U	78	23	93	209					PASS
3-371																			
735205.56	1142864.16	4745.01	11/19/2014	3-371-3036	H14120040-044	30	36	6.8	87	17	1910	23	2490	4527					FAIL
735205.56	1142864.16	4745.01	11/19/2014	3-371-3642	H14120040-045	36	42	6.2	42	4	292	17	1500	1855					FAIL
735205.56	1142864.16	4745.01	11/19/2014	3-371-4248	H14120040-046	42	48	7	65	3	490	38	872	1468					FAIL
735205.56	1142864.16	4745.01	11/19/2014	3-371-4854	H15010160-007	48	54	4.2	17	1 U	49	14	173	254					PASS
3-371N																			
735333.77	1142889.06	4745.08	11/19/2014	3-371N-0006	H14120040-047	0	6	7.8	456	7	3680	375	1750	6268					FAIL
735333.77	1142889.06	4745.08	11/19/2014	3-371N-0612	H14120040-048	6	12	7.8	84	2	632	71	361	1150					PASS
735333.77	1142889.06	4745.08	11/19/2014	3-371N-1218	H14120040-049	12	18	7.6	18	1 U	71	12	68	170					PASS
3-372																			
735211.22	1142738.81	4745.70	11/19/2014	3-372-2430	H14120040-050	24	30	7	23	3	272	14	1830	2142					FAIL
735211.22	1142738.81	4745.70	11/19/2014	3-372-3036	H14120040-051	30	36	7.3	13	1	87	12	1180	1293					PASS
735211.22	1142738.81	4745.70	11/19/2014	3-372-3642	H14120040-052	36	42	7.2	28	1	1640	19	676	2364					FAIL
735211.22	1142738.81	4745.70	11/19/2014	3-372-4248	H15010160-008	42	48	7.3	21	1 U	1360	14	411	1807					FAIL
3-372N																			
735322.15	1142794.29	4744.68	11/19/2014	3-372N-0006	H14120040-053	0	6	7.8	406	6	2150	294	1450	4306					FAIL
735322.15	1142794.29	4744.68	11/19/2014	3-372N-0612	H14120040-054	6	12	7.5	19	1 U	60	15	79	174					PASS
735322.15	1142794.29	4744.68	11/19/2014	3-372N-1218	H14120040-055	12	18	7.5	10	1 U	38	12	66	127					PASS
3-373																			
735222.20	1144030.02	4742.20	12/11/2014	3-373-3642	H14120291-019	36	42	7.3	446	5	5060	370	1840	7721					FAIL
735222.20	1144030.02	4742.20	12/11/2014	3-373-4248	H14120291-020	42	48	7.4	226	5	2830	276	2040	5377					FAIL
3-374																			
735223.17	1142489.91	4746.24	11/20/2014	3-374-0006	H14120034-054	0	6	8	150	3	327	72	331	883					PASS
735223.17	1142489.91	4746.24	11/20/2014	3-374-0612	H14120034-055	6	12	8.1	66	1 U	47	16	78	208					PASS
3-375																			
735241.62	1143918.16	4742.07	12/22/2014	3-375-3642	H14120495-019	36	42	6.3	4	3	2010	9	525	2551					FAIL
735241.62	1143918.16	4742.07	12/22/2014	3-375-4248	H14120495-020	42	48	7.3	4	1 U	1810	7	277	2099					FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg	SUM OF COC (MG/KG)	PASS/FAIL						
						START DEPTH (INCHES)	END DEPTH (INCHES)														
								Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q				
3-376																					
735265.69	1144367.92	4741.80	12/15/2014	3-376-1824	H14120375-007	18	24	7.3		2200		23		15300		1410		4730		23663	FAIL
735265.69	1144367.92	4741.80	12/15/2014	3-376-2430	H14120375-008	24	30	7.5		623		6		4080		524		1660		6893	FAIL
735265.69	1144367.92	4741.80	12/15/2014	3-376-3036	H14120375-009	30	36	7.5		28		1 U		189		29		122		369	PASS
3-376E																					
735287.49	1144492.90	4741.75	12/17/2014	3-376E-1824	H14120376-040	18	24	7.4		250		3		1920		299		757		3229	FAIL
735287.49	1144492.90	4741.75	12/17/2014	3-376E-2430	H14120376-041	24	30	7.6		15		1 U		85		19		85		205	PASS
735287.49	1144492.90	4741.75	12/17/2014	3-376E-3036	H14120376-042	30	36	7.4		6		1 U		40		14		79		140	PASS
3-376E2																					
735310.34	1144612.93	4742.33	12/17/2014	3-376E2-0006	H14120376-043	0	6	7.6		361		11		3340		407		2390		6509	FAIL
735310.34	1144612.93	4742.33	12/17/2014	3-376E2-0612	H14120376-044	6	12	7.7		364		5		2810		330		1670		5179	FAIL
735310.34	1144612.93	4742.33	12/17/2014	3-376E2-1218	H15020270-009	12	18	7.6		7 J		1 U		41		12		72		133	PASS
735310.34	1144612.93	4742.33	12/17/2014	3-376E2-1824	H15020270-010	18	24	7.6		8 J		1 U		37		10		54		110	PASS
3-376S																					
735141.59	1144385.18	4742.74	12/17/2014	3-376S-1218	H14120376-045	12	18	7.2		2650		19		18300		956		4470		26395	FAIL
735141.59	1144385.18	4742.74	12/17/2014	3-376S-1824	H14120376-046	18	24	7.4		151		2		1290		78		1040		2561	FAIL
735141.59	1144385.18	4742.74	12/17/2014	3-376S-2430	H14120376-048	24	30	7.4		25		1 U		165		26		215		432	PASS
3-376SE																					
735163.62	1144506.87	4742.45	12/17/2014	3-376SE-1218	H14120376-049	12	18	7.4		2460		18		18000		904		3680		25062	FAIL
735163.62	1144506.87	4742.45	12/17/2014	3-376SE-1824	H14120376-050	18	24	7.3		43		1		169		18		555		786	PASS
735163.62	1144506.87	4742.45	12/17/2014	3-376SE-2430	H14120376-051	24	30	7.2		14		1 U		48		17		160		240	PASS
3-376SE2																					
735184.36	1144634.31	4742.47	12/17/2014	3-376SE2-0006	H14120376-052	0	6	7.5		198		8		1660		293		1680		3839	FAIL
735184.36	1144634.31	4742.47	12/17/2014	3-376SE2-0612	H14120376-053	6	12	7.6		51		3		565		45		657		1321	PASS
3-377																					
735274.34	1142618.23	4745.10	11/19/2014	3-377-1218	H14120040-056	12	18	7.1		971		9		9410		1020		2190		13600	FAIL
735274.34	1142618.23	4745.10	11/19/2014	3-377-1824	H14120040-057	18	24	6.6		50		2		162		28		719		961	PASS
735274.34	1142618.23	4745.10	11/19/2014	3-377-2430	H14120040-058	24	30	6.9		11		1 U		71		18		245		346	PASS
3-377E																					
735358.02	1142689.58	4745.06	11/19/2014	3-377E-0612	H14120040-059	6	12	7.4		467		5		2790		315		1340		4917	FAIL
735358.02	1142689.58	4745.06	11/19/2014	3-377E-1218	H14120040-060	12	18	7.4		10		1 U		42		14		76		143	PASS
735358.02	1142689.58	4745.06	11/19/2014	3-377E-1824	H14120040-061	18	24	7.5		6		1 U		27		12		59		105	PASS
3-377N																					
735388.23	1142604.11	4744.53	11/19/2014	3-377N-0612	H14120040-062	6	12	7.1		874		8		10700		708		2090		14380	FAIL
735388.23	1142604.11	4744.53	11/19/2014	3-377N-1218	H14120040-063	12	18	7.2		31		6		423		16		1270		1746	FAIL
735388.23	1142604.11	4744.53	11/19/2014	3-377N-1824	H14120040-064	18	24	7.3		15		1		120		10		642		788	PASS
3-378																					
735270.34	1144242.88	4742.04	12/15/2014	3-378-1218	H14120375-010	12	18	7.3		938		19		24400		637		4760		30754	FAIL
735270.34	1144242.88	4742.04	12/15/2014	3-378-1824	H14120375-011	18	24	7.2		38		5		210		14		1570		1837	FAIL
735270.34	1144242.88	4742.04	12/15/2014	3-378-2430	H15020270-001	24	30	6.7		11 J		1 U		34		15		782		843	PASS
3-379																					
735275.53	1144119.15	4740.98	12/11/2014	3-379-2430	H14120291-021	24	30	6.9		2		4		842		8		837		1693	FAIL
735275.53	1144119.15	4740.98	12/11/2014	3-379-3036	H14120291-022	30	36	7.2		2		1 U		24		6		410		443	PASS
735275.53	1144119.15	4740.98	12/11/2014	3-379-3642	H14120291-023	36	42	6.8		3		1 U		17		6		48		75	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL		
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q	
3-380																						
735287.01	1143868.87	4742.42	12/22/2014	3-380-2430	H14120495-021	24	30	7.4		193		2		1590		96		497		2378	FAIL	
735287.01	1143868.87	4742.42	12/22/2014	3-380-3036	H14120495-022	30	36	7.6		19		1 U		95		14		78		207	PASS	
735287.01	1143868.87	4742.42	12/22/2014	3-380-3642	H14120495-023	36	42	7.8		6		1 U		108		11		60		186	PASS	
3-380W																						
735328.33	1143749.94	4742.84	12/22/2014	3-380W-0612	H14120495-024	6	12	7.6		2500		12		14800		1060		3800		22172	FAIL	
735328.33	1143749.94	4742.84	12/22/2014	3-380W-1218	H14120495-025	12	18	7.6		96		1		577		43		339		1056	PASS	
735328.33	1143749.94	4742.84	12/22/2014	3-380W-1824	H14120495-026	18	24	7.7		14		1 U		59		12		82		168	PASS	
3-380W2																						
735342.45	1143636.31	4742.29	12/23/2014	3-380W2-1218	H14120493-031	12	18	7.1		714		10		3550		572		3360		8206	FAIL	
735342.45	1143636.31	4742.29	12/23/2014	3-380W2-1824	H14120493-032	18	24	7.7		23		1 U		109		29		155		317	PASS	
735342.45	1143636.31	4742.29	12/23/2014	3-380W2-2430	H14120493-033	24	30	7.7		22		1 U		127		26		132		308	PASS	
3-381																						
735314.69	1142453.82	4744.88	11/20/2014	3-381-1218	H14120034-056	12	18	7.9		472		6		2360		377		1640		4855	FAIL	
735314.69	1142453.82	4744.88	11/20/2014	3-381-1824	H14120034-058	18	24	7.8		85		2		191		34		620		932	PASS	
735314.69	1142453.82	4744.88	11/20/2014	3-381-2430	H14120034-059	24	30	7.6		35		1 U		57		17		280		390	PASS	
3-381W																						
735329.77	1142356.59	4745.87	11/20/2014	3-381W-0006	H14120034-060	0	6	7.9		258		6		1060		248		1000		2572	FAIL	
735329.77	1142356.59	4745.87	11/20/2014	3-381W-0612	H14120034-061	6	12	8.2		52		1 U		92		23		114		282	PASS	
735329.77	1142356.59	4745.87	11/20/2014	3-381W-1218	H14120034-062	12	18	8		16		1 U		79		23		109		228	PASS	
3-382																						
735372.78	1143944.36	4741.94	12/22/2014	3-382-2430	H14120495-027	24	30	7.4		406		29		9730		511		5090		15766	FAIL	
735372.78	1143944.36	4741.94	12/22/2014	3-382-3036	H14120495-028	30	36	7.2		14		1 U		197		26		350		588	PASS	
735372.78	1143944.36	4741.94	12/22/2014	3-382-3642	H14120495-029	36	42	7.4		8		1		77		21		535		642	PASS	
3-383																						
735384.429	1144498.508	4742.078	12/15/2014	3-383-1218	H14120375-013	12	18	7.3		3000		25		21500		829		5000		30354	FAIL	
735384.429	1144498.508	4742.078	12/15/2014	3-383-1824	H14120375-014	18	24	7.6		61		1 U		61		20		105		248	PASS	
735384.429	1144498.508	4742.078	12/15/2014	3-383-2430	H14120375-015	24	30	7.6		16		1 U		51		16		74		158	PASS	
3-384																						
735387.39	1142504.17	4745.39	11/20/2014	3-384-3036	H14120034-063	30	36	6.9		58		5		341		16		1220		1640	FAIL	
735387.39	1142504.17	4745.39	11/20/2014	3-384-3642	H14120034-064	36	42	7.5		36		1 U		669		10		162		878	PASS	
735387.39	1142504.17	4745.39	11/20/2014	3-384-4248	H14120034-065	42	48	7.5		16		1 U		716		7		134		874	PASS	
3-385																						
735389.98	1144373.95	4742.10	12/15/2014	3-385-1218	H14120375-044	12	18	7.3		2260		17		20600		1270		4100		28247	FAIL	
735389.98	1144373.95	4742.10	12/15/2014	3-385-1824	H14120375-017	18	24	7.7		22		1 U		76		20		159		278	PASS	
735389.98	1144373.95	4742.10	12/15/2014	3-385-2430	H14120375-018	24	30	7.7		13		1 U		52		17		96		179	PASS	
3-386																						
735396.11	1144248.73	4741.99	12/15/2014	3-386-1218	H14120375-019	12	18	7.5		290		15		1700		162		4150		6317	FAIL	
735396.11	1144248.73	4741.99	12/15/2014	3-386-1824	H14120375-020	18	24	7.3		9		1 U		52		17		334		413	PASS	
735396.11	1144248.73	4741.99	12/15/2014	3-386-2430	H14120375-045	24	30	7		17		1 U		101		17		92		228	PASS	
3-387																						
735396.76	1144182.91	4742.11	12/11/2014	3-387-3642	H14120291-024	36	42	6.7		581		5		3270		395		2280		6531	FAIL	
735396.76	1144182.91	4742.11	12/11/2014	3-387-4248	H14120291-025	42	48	7.1		137		1 U		4160		86		1330		5714	FAIL	
3-388																						
735399.73	1143999.20	4741.56	12/22/2014	3-388-3036	H14120495-030	30	36	1840		19		15700		1720		7.6		4280		21726.6	FAIL	
735399.73	1143999.20	4741.56	12/22/2014	3-388-3642	H14120495-031	36	42	8		1		1 U		40		20		6.9		78	145.9	PASS
735399.73	1143999.20	4741.56	12/22/2014	3-388-4248	H14120495-032	42	48	3		1		1 U		24		16		7		59	107	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg	SUM OF COC (MG/KG)	PASS/FAIL							
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL			
3-389																						
	735411.26	1143874.57	4741.77	12/22/2014	3-389-1824	H14120495-033	18	24	7.6		167		5		1710		109		1740	3731	FAIL	
	735411.26	1143874.57	4741.77	12/22/2014	3-389-2430	H14120495-034	24	30	7.7		6		1 U		47		14		57		125	PASS
	735411.26	1143874.57	4741.77	12/22/2014	3-389-3036	H14120495-035	30	36	7.5		18		1 U		138		22		97		276	PASS
3-389W																						
	735417.32	1143751.14	4742.59	12/22/2014	3-389W-0612	H14120495-036	6	12	7.8		32		1 U		105		13		91		242	PASS
	735417.32	1143751.14	4742.59	12/22/2014	3-389W-1218	H14120495-037	12	18	7.8		34		1 U		98		16		86		235	PASS
	735417.32	1143751.14	4742.59	12/22/2014	3-389W-1824	H14120495-039	18	24	7.7		17		1 U		122		19		94		253	PASS
3-390																						
	735476.75	1142498.67	4744.62	11/20/2014	3-390-1824	H14120034-066	18	24	7		17		6		1630		15		1110		2778	FAIL
	735476.75	1142498.67	4744.62	11/20/2014	3-390-2430	H14120034-067	24	30	7		13		3		2990		12		652		3670	FAIL
	735476.75	1142498.67	4744.62	11/20/2014	3-390-3036	H14120034-068	30	36	7.3		14		2		323		13		519		871	PASS
3-391																						
	735490.61	1144374.63	4741.45	12/15/2014	3-391-1824	H14120375-022	18	24	7.5		37		1 U		91		17		942		1088	PASS
	735490.61	1144374.63	4741.45	12/15/2014	3-391-2430	H14120375-023	24	30	7.4		12		1 U		55		20		92		180	PASS
	735490.61	1144374.63	4741.45	12/15/2014	3-391-3036	H14120375-024	30	36	7.3		13		1 U		87		20		92		213	PASS
3-391E																						
	735439.59	1144488.71	4741.67	12/15/2014	3-391E-0612	H14120375-025	6	12	7.3		2960		25		22500		799		5010		31294	FAIL
	735439.59	1144488.71	4741.67	12/15/2014	3-391E-1218	H14120375-026	12	18	7.5		68		1 U		328		73		284		754	PASS
	735439.59	1144488.71	4741.67	12/15/2014	3-391E-1824	H14120375-027	18	24	7.5		47		1 U		107		18		110		283	PASS
3-391E2																						
	735388.63	1144601.42	4742.02	12/15/2014	3-391E2-2430	H14120375-028	24	30	7.4		1810		15		12300		925		3590		18640	FAIL
	735388.63	1144601.42	4742.02	12/15/2014	3-391E2-3036	H14120375-029	30	36	7.5		48		1 U		89		19		114		271	PASS
	735388.63	1144601.42	4742.02	12/15/2014	3-391E2-3642	H14120375-030	36	42	7.8		8		1 U		24		12		57		102	PASS
3-392																						
	735520.11	1144254.06	4741.35	12/15/2014	3-392-3036	H14120375-001	30	36	7.2		125		2		1590		214		869		2800	FAIL
	735520.11	1144254.06	4741.35	12/15/2014	3-392-3642	H14120375-002	36	42	7.2		12		2		103		17		729		863	PASS
	735520.11	1144254.06	4741.35	12/15/2014	3-392-4248	H14120375-003	42	48	7.7		8		1 U		40		9		1800		1858	FAIL
3-393																						
	735525.71	1144129.01	4741.97	12/22/2014	3-393-2430	H14120495-040	24	30	7.6		15		15		484		15		3230		3759	FAIL
	735525.71	1144129.01	4741.97	12/22/2014	3-393-3036	H14120495-041	30	36	7.1		13		1 U		84		19		132		249	PASS
	735525.71	1144129.01	4741.97	12/22/2014	3-393-3642	H14120495-042	36	42	6.8		5		1 U		63		12		138		219	PASS
3-394																						
	735531.05	1144003.16	4740.95	12/22/2014	3-394-1218	H14120495-043	12	18	7.6		13		6		1020		12		3230		4281	FAIL
	735531.05	1144003.16	4740.95	12/22/2014	3-394-1824	H14120495-044	18	24	7.6		7		1 U		63		12		642		725	PASS
	735531.05	1144003.16	4740.95	12/22/2014	3-394-2430	H14120495-045	24	30	7.5		6		1 U		21		9		69		106	PASS
3-395																						
	735534.16	1143876.28	4742.54	12/22/2014	3-395-1824	H14120495-046	18	24	7.4		192		23		3490		127		7380		11212	FAIL
	735534.16	1143876.28	4742.54	12/22/2014	3-395-2430	H14120495-047	24	30	7.5		44		1		380		42		420		887	PASS
	735534.16	1143876.28	4742.54	12/22/2014	3-395-3036	H14120495-048	30	36	7.5		11		1 U		117		16		95		240	PASS
3-395W																						
	735533.21	1143753.59	4742.31	12/22/2014	3-395W-0612	H14120495-049	6	12	7.7		2300		16		16700		620		3850		23486	FAIL
	735533.21	1143753.59	4742.31	12/22/2014	3-395W-1218	H14120495-050	12	18	7.7		1130		8		9450		572		1890		13050	FAIL
	735533.21	1143753.59	4742.31	12/22/2014	3-395W-1824	H14120495-051	18	24	8		78		2		637		48		414		1179	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	CHEMICAL_NAME REPORT_RESULT_UNIT							pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)		PASS/FAIL
		SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	
3-395W2																							
735538.45	1143668.52	4741.90	12/23/2014	3-395W2-0612	H14120493-034	6	12	7.5		2190		13		17100		693		2640		22636		FAIL	
735538.45	1143668.52	4741.90	12/23/2014	3-395W2-1218	H14120493-035	12	18	7.4		23		3		122		14		916		1078		PASS	
735538.45	1143668.52	4741.90	12/23/2014	3-395W2-1824	H14120493-036	18	24	7.3		7		1	U	35		16		215		274		PASS	
3-396																							
735643.62	1144255.71	4740.07	12/11/2014	3-396-1218	H14120291-026	12	18	6.5		1020		11		2910		420		1710		6071		FAIL	
735643.62	1144255.71	4740.07	12/11/2014	3-396-1824	H14120291-027	18	24	6.7		15		1	U	60		19		247		342		PASS	
735643.62	1144255.71	4740.07	12/11/2014	3-396-2430	H14120291-028	24	30	6.8		5		1	U	26		13		68		113		PASS	
3-396E																							
735642.28	1144382.22	4742.32	12/15/2014	3-396E-1824	H14120375-031	18	24	7.2		126		4		719		67		1250		2166		FAIL	
735642.28	1144382.22	4742.32	12/15/2014	3-396E-2430	H14120375-032	24	30	7.4		26		1	U	80		15		311		433		PASS	
735642.28	1144382.22	4742.32	12/15/2014	3-396E-3036	H14120375-033	30	36	7.4		26		1	U	122		20		205		374		PASS	
3-396E2																							
735630.69	1144455.37	4744.14	12/15/2014	3-396E2-3036	H14120375-034	30	36	6.8		230		2		3720		195		805		4952		FAIL	
735630.69	1144455.37	4744.14	12/15/2014	3-396E2-3642	H14120375-035	36	42	6.8		67		3		184		17		1060		1331		PASS	
735630.69	1144455.37	4744.14	12/15/2014	3-396E2-4248	H14120375-036	42	48	7.6		25		1		115		17		485		643		PASS	
3-397																							
735650.86	1144134.93	4740.79	12/11/2014	3-397-0612	H14120291-029	6	12	7.4		1650		6		2070		1190		2320		7236		FAIL	
735650.86	1144134.93	4740.79	12/11/2014	3-397-1218	H14120291-030	12	18	7.6		25		1		648		47		699		1420		FAIL	
735650.86	1144134.93	4740.79	12/11/2014	3-397-1824	H14120291-031	18	24	7.2		8		1	U	63		14		155		241		PASS	
3-398																							
735656.85	1144009.81	4741.28	12/11/2014	3-398-1218	H14120291-032	12	18	6.7		1190		3		1940		1300		1600		6033		FAIL	
735656.85	1144009.81	4741.28	12/11/2014	3-398-1824	H14120291-033	18	24	7.4		12		9		577		26		2930		3554		FAIL	
735656.85	1144009.81	4741.28	12/11/2014	3-398-2430	H14120291-035	24	30	6.7		8		1	U	178		18		278		483		PASS	
3-399																							
735669.69	1143825.55	4742.26	12/18/2014	3-399-0006	H14120373-032	0	6	6.2		412		3		1600		327		1100		3442		FAIL	
735669.69	1143825.55	4742.26	12/18/2014	3-399-0612	H14120373-033	6	12	7.8		34		1	U	162		26		140		363		PASS	
3-400																							
735705.01	1143917.63	4740.59	12/11/2014	3-400-3036	H14120291-036	30	36	7		523		12		1830		167		4220		6752		FAIL	
735705.01	1143917.63	4740.59	12/11/2014	3-400-3642	H14120291-037	36	42	6.6		190		3		1430		169		1260		3052		FAIL	
735705.01	1143917.63	4740.59	12/11/2014	3-400-4248	H14120291-038	42	48	6.7		121		6		1850		198		2240		4415		FAIL	
3-401																							
735764.24	1144389.88	4743.93	12/15/2014	3-401-0006	H14120375-037	0	6	7.3		116		2		428		100		452		1098		PASS	
735764.24	1144389.88	4743.93	12/15/2014	3-401-0612	H14120375-038	6	12	7.3		181		5		584		170		655		1595		FAIL	
735764.24	1144389.88	4743.93	12/15/2014	3-401-1218	H15020270-002	12	18	7.5		16	J	1	U	45		8		45		115		PASS	
3-401E																							
735770.072	1144455.391	4746.917	12/16/2014	3-401E-1218	H14120379-001	12	18	104		15		791		83		6.8		1750		2645.8		FAIL	
735770.072	1144455.391	4746.917	12/16/2014	3-401E-1824	H14120379-002	18	24	79		1		353		50		5.6		229		638.6		PASS	
735770.072	1144455.391	4746.917	12/16/2014	3-401E-2430	H14120379-003	24	30	21		2		228		14		6.8		182		432.8		PASS	
3-421S																							
736141.05	1144398.296	4742.5	12/16/2014	3-421S-0006	H14120379-033	0	6	241		2		1510		113		6.8		380		2011.8		FAIL	
736141.05	1144398.296	4742.5	12/16/2014	3-421S-0612	H14120379-034	6	12	261		1		1830		115		5.8		339		2290.8		FAIL	
736141.05	1144398.296	4742.5	12/16/2014	3-421S-1218	H15020270-012	12	18	28		2		878		11		6.4		255		1152.4		PASS	
3-402																							
735771.16	1144264.04	4739.47	12/11/2014	3-402-4854	H14120291-039	48	54	7		791		6		5800		888		3800		11285		FAIL	
735771.16	1144264.04	4739.47	12/11/2014	3-402-5460	H14120291-040	54	60	7.1		446		4		2960		439		2100		5949		FAIL	

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
3-403																					
735775.69	1144140.73	4740.61	12/11/2014	3-403-4854	H14120291-041	48	54	7.8		699		6		10000		654		2410		13769	FAIL
735775.69	1144140.73	4740.61	12/11/2014	3-403-5460	H14120291-042	54	60	7.7		558		7		6690		326		2140		9721	FAIL
3-404																					
735781.43	1144015.85	4740.23	12/11/2014	3-404-4854	H14120291-043	48	54	6.6		181		9		3420		266		4030		7906	FAIL
735781.43	1144015.85	4740.23	12/11/2014	3-404-5460	H14120291-044	54	60	7.3		162		13		3050		167		2060		5452	FAIL
3-405																					
735785.65	1143912.03	4739.73	12/11/2014	3-405-0006	H14120291-045	0	6	7.6		114		2		778		112		708		1714	FAIL
735785.65	1143912.03	4739.73	12/11/2014	3-405-0612	H14120291-046	6	12	7.5		87		2		652		97		635		1473	FAIL
735785.65	1143912.03	4739.73	12/11/2014	3-405-1218	H15010288-002	12	18	7.3		64	J	2		472		69		562		1169	PASS
3-406																					
735787.90	1143814.33	4741.78	12/22/2014	3-406-0006	H14120495-052	0	6	7.8		612		6		4040		389		1850		6897	FAIL
735787.90	1143814.33	4741.78	12/22/2014	3-406-0612	H14120495-053	6	12	7.8		15		1	U	86		16		89		207	PASS
3-407																					
735893.85	1144394.32	4743.16	12/15/2014	3-407-6066	H14120375-039	60	66	6.2		34		2		5350		16		441		5843	FAIL
735893.85	1144394.32	4743.16	12/15/2014	3-407-6672	H14120375-040	66	72	6.1		35		3		616		14		777		1445	FAIL
3-407E																					
735891.451	1144433.796	4745.726	12/16/2014	3-407E-0006	H14120379-004	0	6	140		4		470		121		7.5		596		1198.5	PASS
735891.451	1144433.796	4745.726	12/16/2014	3-407E-0612	H14120379-005	6	12	113		3		390		93		7.4		503		996.4	PASS
3-407N																					
736020.161	1144401.775	4742.839	12/16/2014	3-407N-6672	H14120379-006	66	72	13		3		1970		27		6.4		619		2625.4	FAIL
736020.161	1144401.775	4742.839	12/16/2014	3-407N-7278	H14120379-007	72	78	8		1		62		12		6.7		285		366.7	PASS
3-408																					
735896.31	1144270.04	4740.60	12/15/2014	3-408-2430	H14120375-041	24	30	6.1		2530		11		18400		506		3390		24837	FAIL
735896.31	1144270.04	4740.60	12/15/2014	3-408-3036	H14120375-042	30	36	5.3		36		1	U	254		23		1560		1874	FAIL
735896.31	1144270.04	4740.60	12/15/2014	3-408-3642	H14120375-043	36	42	6.4		12		1	U	78		19		113		223	PASS
3-409																					
735905.50	1144020.34	4740.97	12/22/2014	3-409-0006	H14120495-054	0	6	7.2		515		6		5030		399		1620		7570	FAIL
735905.50	1144020.34	4740.97	12/22/2014	3-409-0612	H14120495-055	6	12	7.7		23		1	U	295		19		171		509	PASS
3-410																					
735909.159	1144193.473	4739.641	12/16/2014	3-407N-7884	H14120379-008	78	84	6		1		50		11		6.5		60		128.5	PASS
735909.159	1144193.473	4739.641	12/16/2014	3-410-3036	H14120379-009	30	36	10		2		9500		7		7		506		10022	FAIL
735909.159	1144193.473	4739.641	12/16/2014	3-410-3642	H14120379-010	36	42	4		1		2210		6		7.1		372		2596.1	FAIL
735909.159	1144193.473	4739.641	12/16/2014	3-410-4248	H14120379-045	42	48	19		1		1570		31		7.1		368		1977.1	FAIL
3-411																					
735911.11	1143895.26	4741.44	12/18/2014	3-411-0006	H14120373-034	0	6	7.7		674		3		1880		519		1030		4106	FAIL
735911.11	1143895.26	4741.44	12/18/2014	3-411-0612	H14120373-036	6	12	8.2		22		1	U	123		19		118		283	PASS
3-412																					
736025.216	1144275.537	4740.218	12/16/2014	3-412-4854	H14120379-011	48	54	58		4		154		45		6.2		1650		1859.2	FAIL
736025.216	1144275.537	4740.218	12/16/2014	3-412-5460	H14120379-012	54	60	86		2		47		48		6.3		2220		2323.3	FAIL
736025.216	1144275.537	4740.218	12/16/2014	3-412-6066	H14120379-013	60	66	15		1		64		33		6.9		2200		2304.9	FAIL
736025.22	1144275.54	4740.22	12/16/2014	3-412-6672	H15020270-011	66	72	6.6		6	J	1	U	37		16		952		1012	PASS
3-413																					
736029.871	1144178.42	4740.514	12/16/2014	3-413-3642	H14120379-014	36	42	1320		9		5810		908		6.6		3210		9943.6	FAIL
736029.871	1144178.42	4740.514	12/16/2014	3-413-4248	H14120379-015	42	48	1400		10		8810		803		6.5		3550		13179.5	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data

Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
3-414																					
736042.02	1144027.77	4737.58	12/22/2014	3-414-0006	H14120495-056	0	6	7.8		94		2		681		89		560		1426	FAIL
736042.02	1144027.77	4737.58	12/22/2014	3-414-0612	H14120495-057	6	12	7.8		92		2		687		84		554		1419	FAIL
736042.02	1144027.77	4737.58	12/22/2014	3-414-1218	H15020270-016	12	18	7.2		128	J	3	J	995		111		935		2172	FAIL
736042.02	1144027.77	4737.58	12/22/2014	3-414-1824	H15020270-017	18	24	7.1		140	J	5	J	1630		180		1690		3645	FAIL
736042.02	1144027.77	4737.58	12/22/2014	3-414-2430	H15020270-018	24	30	7.5		85	J	2	J	790		101		626		1604	FAIL
736042.02	1144027.77	4737.58	12/22/2014	3-414-3036	H15040057-004	30	36	7.5		114	J	3		661		88		698		1564	FAIL
736042.02	1144027.77	4737.58	12/22/2014	3-414-3642	H15040057-005	36	42	7.1		130	J	3		658		83		761		1635	FAIL
3-415																					
736037.40	1143901.44	4741.11	12/18/2014	3-415-0612	H14120373-037	6	12	7.3		66		12		4280		48		2710		7116	FAIL
736037.40	1143901.44	4741.11	12/18/2014	3-415-1218	H14120373-038	12	18	7.8		13		1	U	70		18		126		228	PASS
736037.40	1143901.44	4741.11	12/18/2014	3-415-1824	H14120373-039	18	24	7.9		9		1	U	56		17		103		186	PASS
3-416																					
736145.292	1144281.006	4740.504	12/16/2014	3-416-2430	H14120379-016	24	30	207		4		8120		765		6.8		1490		10385.8	FAIL
736145.292	1144281.006	4740.504	12/16/2014	3-416-3036	H14120379-017	30	36	15		4		261		10		6.8		712		993.8	PASS
736145.292	1144281.006	4740.504	12/16/2014	3-416-3642	H14120379-018	36	42	14		2		177		15		6.6		757		957.6	PASS
3-417																					
736150.875	1144156.105	4739.921	12/16/2014	3-417-2430	H14120379-019	24	30	773		7		8880		1570		6.8		2980		13443.8	FAIL
736150.875	1144156.105	4739.921	12/16/2014	3-417-3036	H14120379-020	30	36	11		3		366		19		6.8		884		1278.8	PASS
736150.875	1144156.105	4739.921	12/16/2014	3-417-3642	H14120379-021	36	42	7		1		940		9		7.1		249		1206.1	PASS
3-418																					
736154.631	1144031.193	4739.823	12/16/2014	3-418-3036	H14120379-022	30	36	54		3		3100		42		4.4		816		3965.4	FAIL
736154.631	1144031.193	4739.823	12/16/2014	3-418-3642	H14120379-023	36	42	18		11		1660		15		4.8		644		2334.8	FAIL
736154.631	1144031.193	4739.823	12/16/2014	3-418-4248	H14120379-024	42	48	400		3		2170		247		4.9		851		3275.9	FAIL
3-419																					
736152.816	1143945.613	4739.29	12/16/2014	3-419-1824	H14120379-025	18	24	185		10		1390		177		7.6		3240		4824.6	FAIL
736152.816	1143945.613	4739.29	12/16/2014	3-419-2430	H14120379-026	24	30	176		3		1030		172		7.3		1200		2412.3	FAIL
736152.816	1143945.613	4739.29	12/16/2014	3-419-3036	H14120379-027	30	36	553		4		1650		468		7.2		1450		3579.2	FAIL
3-420																					
736166.71	1143782.10	4737.56	12/18/2014	3-420-1218	H14120373-040	12	18	7.5		418		22		3940		536		5800		10716	FAIL
736166.71	1143782.10	4737.56	12/18/2014	3-420-1824	H14120373-041	18	24	7.6		310		12		2500		348		3220		6390	FAIL
3-421																					
736264.52	1144412.028	4740.396	12/16/2014	3-421-3036	H14120379-028	30	36	230		6		2400		191		7.4		1570		4174.4	FAIL
736264.52	1144412.028	4740.396	12/16/2014	3-421-3642	H14120379-029	36	42	45		1		128		31		7.5		481		648.5	PASS
736264.52	1144412.028	4740.396	12/16/2014	3-421-4248	H14120379-030	42	48	12		1		45		11		7.1		55		119.1	PASS
3-421E																					
736240.484	1144466.074	4744.599	12/16/2014	3-421E-0006	H14120379-031	0	6	105		2		709		73		6.9		782		1572.9	FAIL
736240.484	1144466.074	4744.599	12/16/2014	3-421E-0612	H14120379-032	6	12	62		3		342		55		6.8		423		829.8	PASS
3-421S																					
736141.05	1144398.296	4742.5	12/16/2014	3-421S-0006	H14120379-033	0	6	241		2		1510		113		6.8		380		2011.8	FAIL
736141.05	1144398.296	4742.5	12/16/2014	3-421S-0612	H14120379-034	6	12	261		1		1830		115		5.8		339		2290.8	FAIL
3-422																					
736269.538	1144287.689	4739.066	12/16/2014	3-422-4248	H14120379-035	42	48	656		6		10800		1040		6.2		2730		14582.2	FAIL
736269.538	1144287.689	4739.066	12/16/2014	3-422-4854	H14120379-036	48	54	10		1		4580		13		7.8		324		4925.8	FAIL
736269.538	1144287.689	4739.066	12/16/2014	3-422-5460	H14120379-037	54	60	5		1		3500		10		8		323		3842	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg	SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)								
3-423															
736274.905	1144162.359	4739.116	12/16/2014	3-423-3036	H14120379-038	30	36	414	21	10100	698	5.2	4980	15804.2	FAIL
736274.905	1144162.359	4739.116	12/16/2014	3-423-3642	H14120379-039	36	42	73	1	5690	30	5.8	539	6265.8	FAIL
736274.905	1144162.359	4739.116	12/16/2014	3-423-4248	H14120379-040	42	48	9	1	2500	12	6.2	323	2842.2	FAIL
3-424															
736280.369	1144037.781	4739.009	12/16/2014	3-424-3642	H14120379-041	36	42	391	9	3030	337	7	3190	6573	FAIL
736280.369	1144037.781	4739.009	12/16/2014	3-424-4248	H14120379-042	42	48	397	9	4210	358	6.8	3790	8373.8	FAIL
3-425															
736286.828	1143922.844	4737.987	12/16/2014	3-425-2430	H14120379-043	24	30	385	7	1650	159	7.7	1800	3623.7	FAIL
736286.828	1143922.844	4737.987	12/16/2014	3-425-3036	H14120379-044	30	36	449	12	2300	211	7.6	2850	5380.6	FAIL
3-426															
736288.26	1143811.06	4737.00	12/18/2014	3-426-1824	H14120373-042	18	24	7.6	68	2	177	29	6070	6346	FAIL
736288.26	1143811.06	4737.00	12/18/2014	3-426-2430	H14120373-043	24	30	7.8	51	2	92	22	8860	9027	FAIL
4-001															
736379.29	1144510.94	4741.59	02/10/2015	4-001-0006	H15020263-001	0	6	7.2	21	1	66	16	55	159	PASS
736379.29	1144510.94	4741.59	02/10/2015	4-001-0612	H15020263-002	6	12	7.2	22	1	54	14	43	134	PASS
4-002															
736393.69	1144413.71	4739.01	02/10/2015	4-002-4248	H15020263-003	42	48	6.8	4	1	27	12	1440	1484	FAIL
736393.69	1144413.71	4739.01	02/10/2015	4-002-4854	H15020263-004	48	54	6.9	8	1	47	11	1350	1417	FAIL
736393.69	1144413.71	4739.01	02/10/2015	4-002-5460	H15020263-005	54	60	7	7	1	22	10	163	203	PASS
4-003															
736387.62	1144298.39	4737.88	02/10/2015	4-003-3642	H15020263-006	36	42	7	170	5	2520	222	1680	4597	FAIL
736387.62	1144298.39	4737.88	02/10/2015	4-003-4248	H15020263-007	42	48	7.1	102	17	1890	162	2080	4251	FAIL
736387.62	1144298.39	4737.88	02/10/2015	4-003-4854	H15020263-008	48	54	7.1	129	8	2470	174	2510	5291	FAIL
736387.62	1144298.39	4737.88	02/10/2015	4-003-5460	H15020263-009	54	60	7.2	117	6	1620	140	1620	3503	FAIL
736387.62	1144298.39	4737.88	02/10/2015	4-003-6072	H15030250-033	60	72	7.6	41	3	731	55	826	1656	FAIL
4-004															
736411.27	1144163.70	4736.98	12/23/2014	4-004-3642	H14120493-037	36	42	6.4	251	8	2660	375	4400	7694	FAIL
736411.27	1144163.70	4736.98	12/23/2014	4-004-4248	H14120493-038	42	48	6.8	165	5	2230	199	2090	4689	FAIL
4-005															
736423.39	1144043.88	4739.83	12/23/2014	4-005-1824	H14120493-039	18	24	5.8	15	3	350	18	1680	2066	FAIL
736423.39	1144043.88	4739.83	12/23/2014	4-005-2430	H14120493-040	24	30	6.1	6	3	32	13	877	931	PASS
736423.39	1144043.88	4739.83	12/23/2014	4-005-3036	H14120493-041	30	36	5.6	15	5	65	23	895	1003	PASS
4-006															
736411.04	1143917.81	4740.47	12/23/2014	4-006-0006	H14120493-042	0	6	8.1	112	1	378	78	345	914	PASS
736411.04	1143917.81	4740.47	12/23/2014	4-006-0612	H14120493-043	6	12	8.1	66	1	221	52	226	566	PASS
4-008															
736482.36	1144549.05	4743.33	02/10/2015	4-008-0006	H15020263-010	0	6	7.1	33	1	111	30	104	279	PASS
736482.36	1144549.05	4743.33	02/10/2015	4-008-0612	H15020263-011	6	12	7.5	19	1	61	13	41	135	PASS
4-009															
736514.90	1144423.40	4738.76	02/10/2015	4-009-3642	H15020263-013	36	42	6.7	68	20	3820	19	3380	7307	FAIL
736514.90	1144423.40	4738.76	02/10/2015	4-009-4248	H15020263-014	42	48	6.9	27	3	543	9	1080	1662	FAIL
736514.90	1144423.40	4738.76	02/10/2015	4-009-4854	H15020263-015	48	54	7.5	8	15	341	12	756	1132	PASS
4-010															
736520.06	1144297.70	4738.82	12/23/2014	4-010-0612	H14120493-044	6	12	7.5	59	11	2120	25	2620	4835	FAIL
736520.06	1144297.70	4738.82	12/23/2014	4-010-1218	H14120493-045	12	18	7.7	30	1	149	26	315	521	PASS
736520.06	1144297.70	4738.82	12/23/2014	4-010-1824	H14120493-046	18	24	7.8	12	1	32	20	118	183	PASS

**Appendix A
Table A. Base of Tailings/Impacted Soil Data**
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg	SUM OF COC (MG/KG)	PASS/FAIL				
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			Result (MG/KG)	Q	Result (MG/KG)	Q
4-011																			
736525.04	1144172.80	4739.47	12/23/2014	4-011-0006	H14120493-047	0	6	7.6	374	5	2220	250	1320	4169	FAIL				
736525.04	1144172.80	4739.47	12/23/2014	4-011-0612	H14120493-048	6	12	7.8	119	4	839	83	1060	2105	FAIL				
736525.04	1144172.80	4739.47	12/23/2014	4-011-1218	H15020270-013	12	18	7.9	29	1 UJ	91	19	167	307	PASS				
4-012																			
736531.26	1144074.02	4739.44	12/23/2014	4-012-0612	H14120493-049	6	12	7.7	340	5	2300	240	1790	4675	FAIL				
736531.26	1144074.02	4739.44	12/23/2014	4-012-1218	H14120493-050	12	18	7.8	18	1 U	79	22	130	250	PASS				
736531.26	1144074.02	4739.44	12/23/2014	4-012-1824	H14120493-052	18	24	7.8	9	1 U	27	16	80	133	PASS				
4-013																			
736632.94	1144554.70	4741.56	02/10/2015	4-013-0006	H15020263-016	0	6	7.3	21	1 U	62	19	71	174	PASS				
736632.94	1144554.70	4741.56	02/10/2015	4-013-0612	H15020263-017	6	12	7.4	24	1 U	76	21	60	182	PASS				
4-014																			
736638.64	1144422.81	4738.75	02/10/2015	4-014-0006	H15020263-018	0	6	7.7	16	1 U	61	12	39	129	PASS				
736638.64	1144422.81	4738.75	02/10/2015	4-014-0612	H15020263-019	6	12	7.8	33	1 U	127	26	126	313	PASS				
4-015																			
736671.96	1144192.54	4738.52	12/23/2014	4-015-1218	H14120493-053	12	18	7.6	32	8	350	29	2030	2449	FAIL				
736671.96	1144192.54	4738.52	12/23/2014	4-015-1824	H14120493-054	18	24	7.6	17	4	195	19	1050	1285	PASS				
736671.96	1144192.54	4738.52	12/23/2014	4-015-2430	H14120493-055	24	30	7.6	8	2	45	18	753	826	PASS				
4-015W																			
736692.32	1144069.96	4738.77	12/23/2014	4-015W-0006	H14120493-056	0	6	8	422	5	1630	264	1450	3771	FAIL				
736692.32	1144069.96	4738.77	12/23/2014	4-015W-0612	H14120493-057	6	12	7.7	25	1 U	145	28	154	353	PASS				
4-016																			
736676.49	1144333.35	4735.42	02/10/2015	4-016-0006	H15020263-020	0	6	7.3	92 J	2	467	82	535	1178	PASS				
736676.49	1144333.35	4735.42	02/10/2015	4-016-0612	H15020263-021	6	12	6.9	57 J	1	342	59	356	815	PASS				
4-017																			
736763.35	1144555.78	4738.96	02/10/2015	4-017-0006	H15020263-022	0	6	7.3	23	1 U	68	21	87	200	PASS				
736763.35	1144555.78	4738.96	02/10/2015	4-017-0612	H15020263-023	6	12	7.6	25	1 U	50	14	43	133	PASS				
4-017E																			
736727.21	1144676.95	4741.56	02/10/2015	4-017E-0006	H15020263-024	0	6	7	20	1 U	95	22	100	238	PASS				
736727.21	1144676.95	4741.56	02/10/2015	4-017E-0612	H15020263-025	6	12	7.2	25	1 U	99	24	131	280	PASS				
4-018																			
736761.93	1144432.56	4737.21	02/10/2015	4-018-0612	H15020263-026	6	12	7.2	417 J	3	1410	277	908	3015	FAIL				
736761.93	1144432.56	4737.21	02/10/2015	4-018-1218	H15020263-027	12	18	7.3	114 J	3	402	70	480	1069	PASS				
736761.93	1144432.56	4737.21	02/10/2015	4-018-1824	H15020263-028	18	24	7	103 J	1 U	577	71	263	1015	PASS				
736761.93	1144432.56	4737.21	02/10/2015	4-018-2430	H15020263-029	24	30	6.7	37 J	1 U	4810	187	456	5491	FAIL				
736761.93	1144432.56	4737.21	02/10/2015	4-018-3036	H15030250-034	30	36	7.1	10 J	1 U	1210	16	169	1406	FAIL				
4-019																			
736787.23	1144347.86	4735.59	02/10/2015	4-019-0006	H15020263-030	0	6	7.7	414 J	2	1040	244	834	2534	FAIL				
736787.23	1144347.86	4735.59	02/10/2015	4-019-0612	H15020263-031	6	12	7.2	50 J	2	613	82	607	1354	PASS				
4-020																			
736775.03	1144183.96	4738.06	12/23/2014	4-020-0612	H14120493-058	6	12	7.7	266	7	1750	199	2190	4412	FAIL				
736775.03	1144183.96	4738.06	12/23/2014	4-020-1218	H14120493-059	12	18	7.6	16	1	64	16	528	625	PASS				
736775.03	1144183.96	4738.06	12/23/2014	4-020-1824	H14120493-060	18	24	7.7	7	1 U	28	12	119	167	PASS				
4-021																			
736884.98	1144580.74	4736.89	02/10/2015	4-021-1218	H15020263-032	12	18	7.1	24	4	456	28	1380	1892	FAIL				
736884.98	1144580.74	4736.89	02/10/2015	4-021-1824	H15020263-033	18	24	6.4	7	1 U	25	12	106	151	PASS				
736884.98	1144580.74	4736.89	02/10/2015	4-021-2430	H15020263-034	24	30	6.6	6	1 U	25	11	55	98	PASS				

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
4-021E																					
736861.91	1144688.70	4736.94	02/10/2015	4-021E-3036	H15020263-037	30	36	7.1		787		14		17700		1110		3480		23091	FAIL
736861.91	1144688.70	4736.94	02/10/2015	4-021E-3642	H15020263-038	36	42	7		43		1 U		87		49		185		365	PASS
736861.91	1144688.70	4736.94	02/10/2015	4-021E-4248	H15020263-039	42	48	7.4		7		1 U		45		14		68		135	PASS
4-021E2																					
736827.18	1144810.52	4740.08	02/10/2015	4-021E2-0006	H15020263-035	0	6	7.1		39 J		1		232		34		268		574	PASS
736827.18	1144810.52	4740.08	02/10/2015	4-021E2-0612	H15020263-036	6	12	7		36 J		1		221		36		258		552	PASS
4-022																					
736889.45	1144437.97	4736.23	02/09/2015	4-022-3036	H15020271-001	30	36	6.7		26		2		5210		18		462		5718	FAIL
736889.45	1144437.97	4736.23	02/09/2015	4-022-3642	H15020271-002	36	42	7.6		14		2		655		7		259		937	PASS
736889.45	1144437.97	4736.23	02/09/2015	4-022-4248	H15020271-003	42	48	7.8		8		1		239		10		221		479	PASS
4-023																					
736900.39	1144365.73	4736.47	02/10/2015	4-023-1824	H15020263-040	18	24	7		18		1		3080		45		564		3708	FAIL
736900.39	1144365.73	4736.47	02/10/2015	4-023-2430	H15020263-041	24	30	7.4		8		1 U		1040		13		223		1285	PASS
736900.39	1144365.73	4736.47	02/10/2015	4-023-3036	H15020263-042	30	36	7.5		9		1 U		1330		14		229		1583	FAIL
4-024																					
736900.24	1144190.66	4737.41	12/23/2014	4-024-0006	H14120493-061	0	6	7.5		438		4		1920		369		1480		4211	FAIL
736900.24	1144190.66	4737.41	12/23/2014	4-024-0612	H14120493-062	6	12	7.6		101		2		604		92		657		1456	FAIL
736900.24	1144190.66	4737.41	12/23/2014	4-024-0612	H14120493-062D	6	12	7.6		63		2		391		63		482		1001	PASS
4-025																					
737011.36	1144443.85	4735.85	02/09/2015	4-025-1218	H15020271-004	12	18	7.9		1500 J		13		12200		1180		3270		18163	FAIL
737011.36	1144443.85	4735.85	02/09/2015	4-025-1824	H15020271-005	18	24	7.7		72 J		4		811		176		1190		2253	FAIL
737011.36	1144443.85	4735.85	02/09/2015	4-025-2430	H15020271-006	24	30	7.6		14		1 U		107		19		108		249	PASS
4-025E																					
737016.84	1144567.46	4736.16	02/10/2015	4-025E-2430	H15020263-046	24	30	7.5		469		11		10600		1130		2700		14910	FAIL
737016.84	1144567.46	4736.16	02/10/2015	4-025E-3036	H15020263-049	30	36	7.5		9		1 U		32		12		70		124	PASS
737016.84	1144567.46	4736.16	02/10/2015	4-025E-3642	H15020263-053	36	42	7.3		3		1 U		17		7		44		72	PASS
4-025E2																					
736985.04	1144689.44	4735.92	02/10/2015	4-025E2-1824	H15020263-043	18	24	7.1		622		16		11700		937		3900		17175	FAIL
736985.04	1144689.44	4735.92	02/10/2015	4-025E2-2430	H15020263-044	24	30	7.4		30		1 U		61		13		110		215	PASS
736985.04	1144689.44	4735.92	02/10/2015	4-025E2-3036	H15020263-045	30	36	7.2		5		1 U		27		10		55		98	PASS
4-025E2N																					
737107.02	1144708.66	4735.74	02/10/2015	4-025E2N-0006	H15020263-047	0	6	7.8		119		3		637		84		457		1300	PASS
737107.02	1144708.66	4735.74	02/10/2015	4-025E2N-0612	H15020263-048	6	12	7.8		41		1 U		208		21		137		408	PASS
4-025E3																					
736985.89	1144814.44	4735.97	02/10/2015	4-025E3-1824	H15020263-050	18	24	7.5		539		17		14300		1400		3800		20056	FAIL
736985.89	1144814.44	4735.97	02/10/2015	4-025E3-2430	H15020263-051	24	30	7.2		13		1 U		59		14		79		166	PASS
736985.89	1144814.44	4735.97	02/10/2015	4-025E3-3036	H15020263-052	30	36	7.7		21		1 U		130		17		109		278	PASS
4-025E3N																					
737108.25	1144841.18	4735.83	02/10/2015	4-025E3N-0006	H15020263-054	0	6	7.5		246		6		1020		147		907		2326	FAIL
737108.25	1144841.18	4735.83	02/10/2015	4-025E3N-0612	H15020263-055	6	12	7.5		28 J		1 U		217		25		132		403	PASS
4-025E4																					
736942.33	1144930.63	4739.28	02/10/2015	4-025E4-0006	H15020263-056	0	6	7.6		143 J		2		1290		86		374		1895	FAIL
736942.33	1144930.63	4739.28	02/10/2015	4-025E4-0612	H15020263-057	6	12	7.7		64 J		1		407		27		291		790	PASS
736942.33	1144930.63	4739.28	02/10/2015	4-025E4-1218	H15020263-058	12	18	7.7		25		1 U		52		9		60		147	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM		COPPER		LEAD		ZINC		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)		
4-026																				
737012.92	1144306.54	4736.15	02/09/2015	4-026-1824	H15020271-007	18	24	7.2		30	J	14		9740		42		3180	13006	FAIL
737012.92	1144306.54	4736.15	02/09/2015	4-026-2430	H15020271-008	24	30	7.1		7		3		72		14		1770	1866	FAIL
737012.92	1144306.54	4736.15	02/09/2015	4-026-3036	H15020271-009	30	36	7.2		13		4		604		21		729	1371	PASS
4-027																				
737046.37	1144248.13	4735.85	02/09/2015	4-027-1824	H15020271-010	18	24	6.7		40	J	1	U	2370		110		344	2865	FAIL
737046.37	1144248.13	4735.85	02/09/2015	4-027-2430	H15020271-011	24	30	6.9		9		1	U	1770		18		156	1954	FAIL
737046.37	1144248.13	4735.85	02/09/2015	4-027-3036	H15020271-012	30	36	7.1		7		1	U	1440		10		156	1614	FAIL
737046.37	1144248.13	4735.85	02/09/2015	4-027-3642	H15040057-006	36	42	7.1		33	J	2		624		17		322	998	PASS
737046.37	1144248.13	4735.85	02/09/2015	4-027-4248	H15040057-007	42	48	7		54	J	3		637		23		474	1191	PASS
4-028																				
737029.91	1144070.67	4736.03	12/24/2014	4-028-1218	H14120494-001	12	18	7.5		62		49		3630		26		9930	13697	FAIL
737029.91	1144070.67	4736.03	12/24/2014	4-028-1824	H14120494-002	18	24	7.5		184		10		2060		116		2720	5090	FAIL
737029.91	1144070.67	4736.03	12/24/2014	4-028-2430	H14120494-003	24	30	7.5		20		1	U	74		18		310	423	PASS
4-028W																				
736968.96	1143962.43	4736.12	12/24/2014	4-028W-0612	H14120494-004	6	12	7.8		736		8		4610		429		2540	8323	FAIL
736968.96	1143962.43	4736.12	12/24/2014	4-028W-1218	H14120494-005	12	18	7.8		33		1	U	61		14		174	283	PASS
736968.96	1143962.43	4736.12	12/24/2014	4-028W-1824	H14120494-006	18	24	7.4		33		1	U	53		21		136	244	PASS
4-029																				
737130.89	1144586.35	4735.70	02/09/2015	4-029-0006	H15020271-013	0	6	7.8		11		1	U	45		12		70	139	PASS
737130.89	1144586.35	4735.70	02/09/2015	4-029-0612	H15020271-014	6	12	7.8		7		1	U	32		15		75	130	PASS
4-030																				
737147.65	1144465.98	4734.77	01/05/2015	4-030-3642	H15010111-006	36	42	7		200		3		1070		138		1100	2511	FAIL
737147.65	1144465.98	4734.77	01/05/2015	4-030-4248	H15010111-007	42	48	7.1		197		5		1050		137		1430	2819	FAIL
4-031																				
737142.52	1144319.81	4734.72	02/10/2015	4-031-2430	H15020263-059	24	30	7.3		217	J	14		1340		140		2210	3921	FAIL
737142.52	1144319.81	4734.72	02/10/2015	4-031-3036	H15020263-060	30	36	7.1		180	J	11		2170		357		2390	5108	FAIL
4-032																				
737146.39	1144201.12	4735.58	02/10/2015	4-032-0006	H15020263-061	0	6	7.5		119	J	3		858		109		791	1880	FAIL
737146.39	1144201.12	4735.58	02/10/2015	4-032-0612	H15020263-062	6	12	7.4		82	J	1		451		61		433	1028	PASS
4-033																				
737154.85	1144075.67	4735.85	12/24/2014	4-033-3036	H14120494-007	30	36	7.1		41		1	U	288		44		395	769	PASS
737154.85	1144075.67	4735.85	12/24/2014	4-033-3642	H14120494-008	36	42	7.4		16		1	U	52		17		272	358	PASS
737154.85	1144075.67	4735.85	12/24/2014	4-033-4248	H14120494-009	42	48	7.4		52		1	U	49		11		75	188	PASS
4-034																				
737255.60	1144685.21	4734.92	02/09/2015	4-034-0612	H15020271-015	6	12	7.9		799	J	9		5310		566		2530	9214	FAIL
737255.60	1144685.21	4734.92	02/09/2015	4-034-1218	H15020271-016	12	18	7.7		81	J	1		404		52		259	797	PASS
737255.60	1144685.21	4734.92	02/09/2015	4-034-1824	H15020271-017	18	24	7.7		10		1	U	56		14		91	172	PASS
4-035																				
737258.76	1144439.99	4735.41	12/24/2014	4-035-1824	H14120494-010	18	24	6.4		33		14		4240		45		5230	9562	FAIL
737258.76	1144439.99	4735.41	12/24/2014	4-035-2430	H14120494-011	24	30	5.5		21		3		233		32		1060	1349	PASS
737258.76	1144439.99	4735.41	12/24/2014	4-035-3036	H14120494-012	30	36	6.3		8		3		331		13		1410	1765	FAIL
737258.76	1144439.99	4735.41	12/24/2014	4-035-3642	H15020270-014	36	42	6.8		26		1		1710		28		318	2083	FAIL
737258.76	1144439.99	4735.41	12/24/2014	4-035-4248	H15020270-015	42	48	7.3		6		1	UJ	2020		15		161	2203	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
		SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
4-036																					
737268.86	1144330.83	4736.21	12/24/2014	4-036-0612	H14120494-013	6	12	7	1690		3	2840	1090	1680	7303	FAIL					
737268.86	1144330.83	4736.21	12/24/2014	4-036-1218	H14120494-025	12	18	7.5	11		2	194	13	506	726	PASS					
737268.86	1144330.83	4736.21	12/24/2014	4-036-1824	H14120494-014	18	24	7.4	14		1 U	83	16	150	264	PASS					
4-037																					
737274.57	1144205.84	4735.16	12/24/2014	4-037-1218	H14120494-015	12	18	7.6	1820		9	9790	1070	3140	15829	FAIL					
737274.57	1144205.84	4735.16	12/24/2014	4-037-1824	H14120494-016	18	24	7.4	16		1 U	99	20	222	358	PASS					
737274.57	1144205.84	4735.16	12/24/2014	4-037-2430	H14120494-017	24	30	7.1	9		1 U	49	15	68	142	PASS					
4-038																					
737279.93	1144079.76	4735.33	12/24/2014	4-038-0612	H14120494-018	6	12	7.3	644		5	2270	393	1750	5062	FAIL					
737279.93	1144079.76	4735.33	12/24/2014	4-038-1218	H14120494-020	12	18	7.5	1850		16	13400	811	4040	20117	FAIL					
737279.93	1144079.76	4735.33	12/24/2014	4-038-1824	H14120494-021	18	24	7.2	29		1 U	143	22	572	767	PASS					
4-038W																					
737279.80	1143992.25	4735.02	12/24/2014	4-038W-0612	H14120494-022	6	12	7.6	1020		8	7400	632	2340	11400	FAIL					
737279.80	1143992.25	4735.02	12/24/2014	4-038W-1218	H14120494-023	12	18	7.5	19		1 U	130	21	103	274	PASS					
737279.80	1143992.25	4735.02	12/24/2014	4-038W-1824	H14120494-024	18	24	7.2	10		1 U	48	21	78	158	PASS					
4-039																					
737283.92	1144555.85	4734.52	01/05/2015	4-039-2430	H15010111-001	24	30	7.1	270		15	1510	206	1710	3711	FAIL					
737283.92	1144555.85	4734.52	01/05/2015	4-039-3036	H15010111-002	30	36	7.4	319		26	1830	166	2980	5321	FAIL					
737283.92	1144555.85	4734.52	01/05/2015	4-039-3642	H15010111-003	36	42	7.5	241		11	1570	139	2390	4351	FAIL					
737283.92	1144555.85	4734.52	01/05/2015	4-039-4248	H15020270-020	42	48	7.4	126 J		7 J	1490	117	1670	3410	FAIL					
4-040																					
737370.37	1144550.90	4733.91	01/05/2015	4-040-3642	H15010111-004	36	42	7.3	230		9	1270	140	1560	3209	FAIL					
737370.37	1144550.90	4733.91	01/05/2015	4-040-4248	H15010111-005	42	48	7.4	143		6	913	101	1200	2363	FAIL					
4-041																					
737373.02	1144387.39	4735.09	01/05/2015	4-041-1824	H15010111-008	18	24	5.6	13		4	3440	17	820	4294	FAIL					
737373.02	1144387.39	4735.09	01/05/2015	4-041-2430	H15010111-009	24	30	6.6	5		13	282	12	1470	1782	FAIL					
737373.02	1144387.39	4735.09	01/05/2015	4-041-3036	H15010111-010	30	36	7.1	5		1	18	8	252	284	PASS					
4-042																					
737399.10	1144211.35	4734.63	01/05/2015	4-042-1824	H15010111-011	18	24	7.1	32		6	333	30	1610	2011	FAIL					
737399.10	1144211.35	4734.63	01/05/2015	4-042-2430	H15010111-012	24	30	7	4		1 U	15	10	174	204	PASS					
737399.10	1144211.35	4734.63	01/05/2015	4-042-3036	H15010111-013	30	36	7.4	3		1 U	23	9	142	178	PASS					
4-042W																					
737404.08	1144086.48	4734.73	01/05/2015	4-042W-0612	H15010111-019	6	12	7.7	950		8	6250	566	2480	10254	FAIL					
737404.08	1144086.48	4734.73	01/05/2015	4-042W-1218	H15010111-020	12	18	7.9	341		4	2890	230	1350	4815	FAIL					
737404.08	1144086.48	4734.73	01/05/2015	4-042W-1824	H15010111-021	18	24	7.7	40		3	160	34	708	945	PASS					
4-043																					
737431.75	1144648.40	4734.47	02/09/2015	4-043-0612	H15020271-018	6	12	7.7	697 J		9	5020	585	2210	8521	FAIL					
737431.75	1144648.40	4734.47	02/09/2015	4-043-1218	H15020271-019	12	18	7.6	17		1 UJ	84	20	89	211	PASS					
737431.75	1144648.40	4734.47	02/09/2015	4-043-1824	H15020271-021	18	24	7.5	8		1 UJ	39	19	79	146	PASS					
4-044																					
737513.12	1144464.34	4734.88	02/09/2015	4-044-0006	H15020271-022	0	6	7.9	479 J		5 J	2870	281	1340	4975	FAIL					
737513.12	1144464.34	4734.88	02/09/2015	4-044-0612	H15020271-023	6	12	8.2	116 J		1 J	452	47	251	867	PASS					
4-045																					
737530.20	1144389.62	4732.88	02/09/2015	4-045-2430	H15020271-024	24	30	7.2	102 J		6 J	896	111	1240	2355	FAIL					
737530.20	1144389.62	4732.88	02/09/2015	4-045-3036	H15020271-025	30	36	7	296 J		6 J	3390	369	2750	6811	FAIL					

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-046																					
737526.11	1144275.31	4734.21	01/05/2015	4-046-2430	H15010111-014	24	30	7.1		5		3		3600		9		597		4214	FAIL
737526.11	1144275.31	4734.21	01/05/2015	4-046-3036	H15010111-015	30	36	7.2		13		3		5130		16		563		5725	FAIL
737526.11	1144275.31	4734.21	01/05/2015	4-046-3642	H15010111-016	36	42	7.4		18		1		2250		18		334		2621	FAIL
737526.11	1144275.31	4734.21	01/05/2015	4-046-4248	H15020270-021	42	48	7.2		47J		1	UJ	2240		46		352		2686	FAIL
4-047																					
737529.77	1144129.21	4733.83	01/05/2015	4-047-3642	H15010111-017	36	42	7.5		2060		11		3420		431		4560		10482	FAIL
737529.77	1144129.21	4733.83	01/05/2015	4-047-4248	H15010111-018	42	48	7.2		2870		14		4700		483		6140		14207	FAIL
4-047W																					
737533.26	1144008.96	4732.80	01/06/2015	4-047W-3642	H15010100-007	36	42	7.1		1740		58		11900		1610		17900		33208	FAIL
737533.26	1144008.96	4732.80	01/06/2015	4-047W-4248	H15010100-008	42	48	7.7		253		7		1780		206		2070		4316	FAIL
4-048																					
737646.15	1144403.92	4734.12	02/09/2015	4-048-4248	H15020271-026	42	48	7.5		254J		3	J	1890		153		763		3063	FAIL
737646.15	1144403.92	4734.12	02/09/2015	4-048-4854	H15020271-027	48	54	7.3		76J		1	J	459		55		193		784	PASS
737646.15	1144403.92	4734.12	02/09/2015	4-048-5460	H15020271-028	54	60	7		101J		1	J	293		48		163		606	PASS
4-048E																					
737639.49	1144524.27	4735.04	02/09/2015	4-048E-0006	H15020271-029	0	6	7.9		81J		1	J	173		38		137		430	PASS
737639.49	1144524.27	4735.04	02/09/2015	4-048E-0612	H15020271-030	6	12	8		63J		1	UJ	119		23		96		302	PASS
4-049																					
737654.59	1144107.80	4733.74	01/05/2015	4-049-3036	H15010111-027	30	36	7.2		16		4		4280		24		814		5138	FAIL
737654.59	1144107.80	4733.74	01/05/2015	4-049-3642	H15010111-028	36	42	7.3		7		1	U	60		20		780		868	PASS
737654.59	1144107.80	4733.74	01/05/2015	4-049-4248	H15010111-029	42	48	7.5		42		1	U	162		35		416		656	PASS
4-050																					
737654.90	1144189.37	4733.77	01/05/2015	4-050-1218	H15010111-024	12	18	6.7		1190		4		2450		1470		2190		7304	FAIL
737654.90	1144189.37	4733.77	01/05/2015	4-050-1824	H15010111-025	18	24	6.9		28		9		6080		25		1000		7142	FAIL
737654.90	1144189.37	4733.77	01/05/2015	4-050-2430	H15010111-026	24	30	7.2		12		4		784		17		927		1744	FAIL
737654.90	1144189.37	4733.77	01/05/2015	4-050-3036	H15020270-022	30	36	6.3		6		3	J	310		11		1130		1460	FAIL
737654.90	1144189.37	4733.77	01/05/2015	4-050-3642	H15020270-023	36	42	7.5		4		1	UJ	1860		9		225		2099	FAIL
737654.90	1144189.37	4733.77	01/05/2015	4-050-4248	H15030250-035	42	48	7.6		12J		1	U	5390		13		304		5720	FAIL
4-051																					
737657.29	1144305.49	4733.21	01/05/2015	4-051-3642	H15010111-022	36	42	6.7		222		6		1740		294		3890		6152	FAIL
737657.29	1144305.49	4733.21	01/05/2015	4-051-4248	H15010111-023	42	48	6.9		567		8		2710		373		3830		7488	FAIL
4-052																					
737685.96	1145421.56	4731.23	02/03/2015	4-052-0006	H15020206-001	0	6	5.4		211		6		1160		165J		1260		2802	FAIL
737685.96	1145421.56	4731.23	02/03/2015	4-052-0612	H15020206-002	6	12	6.1		132		5		1380		213J		990		2720	FAIL
737685.96	1145421.56	4731.23	02/03/2015	4-052-1218	H15020206-003	12	18	6.3		134		4		1630		240J		878		2886	FAIL
737685.96	1145421.56	4731.23	02/03/2015	4-052-1824	H15030250-024	18	24	6.2		61J		2		832		152		340		1387	PASS
737685.96	1145421.56	4731.23	02/03/2015	4-052-2430	H15030250-025	24	30	7.4		4J		1	U	28		10		46		89	PASS
4-053																					
737753.66	1144262.37	4733.68	01/05/2015	4-053-4248	H15010111-032	42	48	7.2		1600		22		11400		554		5700		19276	FAIL
737753.66	1144262.37	4733.68	01/05/2015	4-053-4860	H15010111-033	48	60	7.4		844		26		6130		440		3910		11350	FAIL
4-054																					
737762.36	1144479.14	4733.67	02/09/2015	4-054-0006	H15020271-031	0	6	7.7		219J		3	J	1300		168		610		2300	FAIL
737762.36	1144479.14	4733.67	02/09/2015	4-054-0612	H15020271-032	6	12	7.7		21		1	UJ	66		14		79		181	PASS
737762.36	1144479.14	4733.67	02/09/2015	4-054-1218	H15020271-033	12	18	7.7		6		1	UJ	40		13		65		125	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
4-055																					
737767.88	1144363.81	4733.28	02/09/2015	4-055-3036	H15020271-035	30	36	7.2		275	J	5	J	2160		254		2230		4924	FAIL
737767.88	1144363.81	4733.28	02/09/2015	4-055-3642	H15020271-036	36	42	7.5		399	J	6	J	2300		304		1870		4879	FAIL
737767.88	1144363.81	4733.28	02/09/2015	4-055-4248	H15020271-037	42	48	7.5		416	J	5		1570		202	J	1400		3593	FAIL
4-056																					
737779.58	1144102.40	4733.04	01/05/2015	4-056-3642	H15010111-030	36	42	7		1930		38		12200		827		11100		26095	FAIL
737779.58	1144102.40	4733.04	01/05/2015	4-056-4248	H15010111-031	42	48	7		724		16		5120		507		5150		11517	FAIL
4-056W																					
737784.72	1144050.11	4732.97	01/06/2015	4-056W-1218	H15010100-009	12	18	7.4		500		12		3590		462		3530		8094	FAIL
737784.72	1144050.11	4732.97	01/06/2015	4-056W-1824	H15010100-010	18	24	7.7		58		2		395		42		458		955	PASS
737784.72	1144050.11	4732.97	01/06/2015	4-056W-2430	H15010100-011	24	30	7.8		6		1	U	25		10		52		94	PASS
4-057																					
737803.07	1144715.63	4732.82	02/09/2015	4-057-1824	H15020271-038	18	24	7.8		319	J	14		7690		367	J	2350		10740	FAIL
737803.07	1144715.63	4732.82	02/09/2015	4-057-2430	H15020271-039	24	30	7.7		7		1	U	40		9		222		279	PASS
737803.07	1144715.63	4732.82	02/09/2015	4-057-3036	H15020271-040	30	36	7.6		5		1	U	28		9		226		269	PASS
4-057S																					
737681.10	1144706.08	4732.81	02/09/2015	4-057S-0612	H15020271-041	6	12	7.7		776	J	6		4370		655	J	1540		7347	FAIL
737681.10	1144706.08	4732.81	02/09/2015	4-057S-1218	H15020271-042	12	18	7.6		73	J	2		503		64	J	551		1193	PASS
737681.10	1144706.08	4732.81	02/09/2015	4-057S-1824	H15020271-043	18	24	7.4		24	J	1	U	81		16		181		303	PASS
4-058																					
737808.38	1144879.32	4732.70	02/05/2015	4-058-0006	H15020204-001	0	6	7.8		395		10		1890		290		1660		4245	FAIL
737808.38	1144879.32	4732.70	02/05/2015	4-058-0612	H15020204-002	6	12	7.6		16		1	U	71		15		83		186	PASS
737808.38	1144879.32	4732.70	02/05/2015	4-058-1218	H15020204-003	12	18	7.6		11		1	U	55		12		67		146	PASS
4-059																					
737833.70	1145492.80	4730.97	02/03/2015	4-059-0612	H15020206-004	6	12	5.2		141		4		1200		194	J	720		2259	FAIL
737833.70	1145492.80	4730.97	02/03/2015	4-059-1218	H15020206-006	12	18	6.2		356		8		2640		375	J	2200		5579	FAIL
737833.70	1145492.80	4730.97	02/03/2015	4-059-1824	H15020206-007	18	24	6.7		111		1		492		74	J	280		958	PASS
737833.70	1145492.80	4730.97	02/03/2015	4-059-2430	H15020206-008	24	30	5.8		110		1		502		119	J	262		994	PASS
4-059E																					
737795.57	1145585.51	4731.92	02/03/2015	4-059E-0006	H15020206-009	0	6	7.8		186		7		2290		200	J	976		3659	FAIL
737795.57	1145585.51	4731.92	02/03/2015	4-059E-0612	H15020206-010	6	12	7.6		53		1	U	222		27	J	125		428	PASS
737795.57	1145585.51	4731.92	02/03/2015	4-059E-1218	H15020206-011	12	18	7.6		30		1	U	49		11		64		155	PASS
4-059W																					
737862.13	1145406.00	4731.45	02/03/2015	4-059W-0612	H15020206-012	6	12	5.7		668		13		3580		662	J	2810		7733	FAIL
737862.13	1145406.00	4731.45	02/03/2015	4-059W-1218	H15020206-013	12	18	7		112		1		426		80	J	223		842	PASS
737862.13	1145406.00	4731.45	02/03/2015	4-059W-1824	H15020206-014	18	24	7.2		12		1	U	43		13		65		134	PASS
4-060																					
737870.02	1144986.75	4732.52	02/05/2015	4-060-3036	H15020204-004	30	36	7.4		693		17		17500		1000		4080		23290	FAIL
737870.02	1144986.75	4732.52	02/05/2015	4-060-3642	H15020204-005	36	42	6.7		56		1	U	206		82		311		656	PASS
737870.02	1144986.75	4732.52	02/05/2015	4-060-4248	H15020204-006	42	48	7.2		10		1	U	78		25		137		251	PASS
4-060E																					
737832.34	1145098.09	4731.99	02/05/2015	4-060E-1218	H15020204-007	12	18	7.1		963		10		6760		1030		2680		11443	FAIL
737832.34	1145098.09	4731.99	02/05/2015	4-060E-1824	H15020204-008	18	24	6.8		18		1	U	40		14		76		149	PASS
737832.34	1145098.09	4731.99	02/05/2015	4-060E-2430	H15020204-009	24	30	7		6		1	U	26		11		69		113	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT					pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg				
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-060E1S																					
737720.592	1145050.754	4733.3	02/09/2015	4-060E1S-0006	H15020271-044	0	6	7.4		34	J	1		89		13		240		377	PASS
737720.592	1145050.754	4733.3	02/09/2015	4-060E1S-0612	H15020271-045	6	12	7.7		16		1	U	33		12		67		129	PASS
737720.592	1145050.754	4733.3	02/09/2015	4-060E1S-1218	H15020271-046	12	18	7.8		19		1	U	33		13		74		140	PASS
4-060E2																					
737792.49	1145215.61	4731.84	02/09/2015	4-060E2-0006	H15020271-048	0	6	7.6		751	J	8		4080		741	J	2370		7950	FAIL
737792.49	1145215.61	4731.84	02/09/2015	4-060E2-0612	H15020271-049	6	12	7.6		27		1	U	73		16		79		196	PASS
737792.49	1145215.61	4731.84	02/09/2015	4-060E2-1218	H15020271-050	12	18	7.7		15		1	U	54		13		76		159	PASS
4-060S																					
737749.08	1144935.15	4732.42	02/05/2015	4-060S-0006	H15020204-010	0	6	7.6		25		1	U	83		17		81		207	PASS
737749.08	1144935.15	4732.42	02/05/2015	4-060S-0612	H15020204-011	6	12	7.5		22		1	U	43		10		57		133	PASS
4-061																					
737864.89	1144401.14	4731.53	02/09/2015	4-061-1824	H15020271-051	18	24	6.7		101	J	3		548		97	J	706		1455	FAIL
4-062																					
737896.41	1144480.52	4732.57	02/09/2015	4-062-1824	H15020271-052	18	24	7		168	J	16		2190		145	J	3360		5879	FAIL
737896.41	1144480.52	4732.57	02/09/2015	4-062-2430	H15020271-053	24	30	7.3		141	J	7		1250		145	J	2510		4053	FAIL
737896.41	1144480.52	4732.57	02/09/2015	4-062-3036	H15020271-054	30	36	7.3		223	J	7		1350		178	J	1820		3578	FAIL
4-063																					
737894.24	1144582.81	4732.79	02/09/2015	4-063-3642	H15020271-055	36	42	6.5		10		2		3290		14		478		3794	FAIL
737894.24	1144582.81	4732.79	02/09/2015	4-063-4248	H15020271-056	42	48	6.8		150	J	2		1480		113		498		2243	FAIL
4-063S																					
737773.69	1144571.84	4733.17	02/09/2015	4-063S-0006	H15020271-057	0	6	7.5		171	J	3		605		118		490		1387	PASS
737773.69	1144571.84	4733.17	02/09/2015	4-063S-0612	H15020271-058	6	12	7.6		9		1	U	40		14		74		138	PASS
4-064																					
737880.74	1144227.51	4733.57	01/06/2015	4-064-3036	H15010100-001	30	36	7.3		6		8		353		15		2210		2592	FAIL
737880.74	1144227.51	4733.57	01/06/2015	4-064-3642	H15010100-002	36	42	8.2		2		1	U	19		6		333		361	PASS
737880.74	1144227.51	4733.57	01/06/2015	4-064-4248	H15010100-003	42	48	8		4		1	U	10		7		38		60	PASS
4-065																					
737891.74	1144155.97	4733.42	01/06/2015	4-065-1824	H15010100-004	18	24	7.7		642		14		8000		567		4090		13313	FAIL
737891.74	1144155.97	4733.42	01/06/2015	4-065-2430	H15010100-005	24	30	6.8		14		1	U	113		18		85		231	PASS
737891.74	1144155.97	4733.42	01/06/2015	4-065-3036	H15010100-006	30	36	7.3		6		1	U	38		13		60		118	PASS
4-065W																					
737896.38	1144077.64	4732.97	01/06/2015	4-065W-1218	H15010100-012	12	18	7.8		1270		19		11300		813		3180		16582	FAIL
737896.38	1144077.64	4732.97	01/06/2015	4-065W-1824	H15010100-013	18	24	7.4		50		1	U	240		38		222		551	PASS
737896.38	1144077.64	4732.97	01/06/2015	4-065W-2430	H15010100-014	24	30	7.5		12		1	U	37		9		69		128	PASS
4-066																					
737904.94	1144809.62	4731.91	01/07/2015	4-066-3642	H15010113-013	36	42	7.3		2140		13		12500		885		3470		19008	FAIL
737904.94	1144809.62	4731.91	01/07/2015	4-066-4248	H15010113-014	42	48	7		2720		11		7080		716		5260		15787	FAIL
4-067																					
737964.81	1145498.96	4730.69	02/03/2015	4-067-3642	H15020206-015	36	42	7		130		2		972		148	J	384		1636	FAIL
737964.81	1145498.96	4730.69	02/03/2015	4-067-4248	H15020206-016	42	48	7.2		39		1	U	220		101	J	143		504	PASS
737964.81	1145498.96	4730.69	02/03/2015	4-067-4854	H15020206-017	48	54	7.2		28		1	U	93		17		91		230	PASS
4-067E																					
737931.63	1145611.06	4731.43	02/03/2015	4-067E-0006	H15020206-018	0	6	7.4		251		8		347		119	J	1070		1795	FAIL
737931.63	1145611.06	4731.43	02/03/2015	4-067E-0612	H15020206-019	6	12	7.7		24		1	U	68		11		66		170	PASS
737931.63	1145611.06	4731.43	02/03/2015	4-067E-1218	H15020206-020	12	18	7.7		16		1	U	50		11		61		139	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-067W																					
737998.27	1145371.60	4731.07	02/03/2015	4-067W-0006	H15020206-022	0	6	7.6		376		9		2170		346	J	1550		4451	FAIL
737998.27	1145371.60	4731.07	02/03/2015	4-067W-0612	H15020206-023	6	12	7.8		44		1	U	63		13		77		198	PASS
737998.27	1145371.60	4731.07	02/03/2015	4-067W-1218	H15020206-024	12	18	7.6		9		1	U	36		15		76		137	PASS
4-068																					
737967.78	1144419.93	4732.65	01/07/2015	4-068-3642	H15010113-019	36	42	7.1		729		12		8760		698		2800		12999	FAIL
737967.78	1144419.93	4732.65	01/07/2015	4-068-4248	H15010113-020	42	48	7.2		10		1	U	68		15		75		169	PASS
737967.78	1144419.93	4732.65	01/07/2015	4-068-4854	H15010113-021	48	54	7.4		6		1	U	29		11		63		110	PASS
4-069																					
737975.40	1144239.11	4733.33	01/05/2015	4-069-2430	H15010111-034	24	30	7.3		900		10		6280		540		2360		10090	FAIL
737975.40	1144239.11	4733.33	01/05/2015	4-069-3036	H15010111-035	30	36	7.4		9		1	U	42		16		382		450	PASS
737975.40	1144239.11	4733.33	01/05/2015	4-069-3642	H15010111-036	36	42	7.2		77		1	U	251		65		228		622	PASS
4-070																					
737979.78	1145237.67	4731.43	02/05/2015	4-070-0006	H15020204-012	0	6	7.5		236		3		1160		203		820		2422	FAIL
737979.78	1145237.67	4731.43	02/05/2015	4-070-0612	H15020204-013	6	12	7.4		13		1	U	48		12		61		135	PASS
737979.78	1145237.67	4731.43	02/05/2015	4-070-1218	H15020204-014	12	18	7.4		10		1	U	47		12		62		132	PASS
4-071																					
737979.29	1145114.15	4731.95	02/09/2015	4-071-0006	H15020271-059	0	6	7.8		639	J	8		3260		547		2290		6744	FAIL
737979.29	1145114.15	4731.95	02/09/2015	4-071-0612	H15020271-060	6	12	7.6		19		1	U	83		14		92		209	PASS
4-072																					
737987.53	1145022.76	4732.59	02/05/2015	4-072-0612	H15020204-015	6	12	7.6		468		5		2590		373		1600		5036	FAIL
737987.53	1145022.76	4732.59	02/05/2015	4-072-1218	H15020204-016	12	18	7.6		32		1	U	265		45		267		610	PASS
737987.53	1145022.76	4732.59	02/05/2015	4-072-1824	H15020204-017	18	24	7.6		10		1	U	47		14		81		153	PASS
4-073																					
737995.68	1144863.13	4731.60	01/07/2015	4-073-2430	H15010113-011	24	30	6.9		1280		9		6680		602		2120		10691	FAIL
737995.68	1144863.13	4731.60	01/07/2015	4-073-3036	H15010113-012	30	36	7.5		2730		28		20600		1420		4940		29718	FAIL
4-074																					
738001.71	1144738.11	4733.06	01/07/2015	4-074-3036	H15010113-006	30	36	6.5		4		6		1750		12		801		2573	FAIL
738001.71	1144738.11	4733.06	01/07/2015	4-074-3642	H15010113-007	36	42	7.3		3		2		1300		9		296		1610	FAIL
738001.71	1144738.11	4733.06	01/07/2015	4-074-4248	H15010113-008	42	48	7.2		4		10		581		7		494		1096	PASS
4-075																					
738007.24	1144613.39	4732.88	01/07/2015	4-075-2430	H15010113-001	24	30	7.2		54		11		3290		303		3240		6898	FAIL
738007.24	1144613.39	4732.88	01/07/2015	4-075-3036	H15010113-002	30	36	7.4		17		3		308		24		1440		1792	FAIL
738007.24	1144613.39	4732.88	01/07/2015	4-075-3642	H15010113-003	36	42	7.2		14		2		206		18		756		996	PASS
4-076																					
738012.33	1144487.57	4732.56	01/07/2015	4-076-4854	H15010113-022	48	54	7.8		6		16		204		11		1210		1447	FAIL
738012.33	1144487.57	4732.56	01/07/2015	4-076-5460	H15010113-023	54	60	8.1		3		1	U	32		8		202		246	PASS
4-077																					
738018.27	1144363.70	4733.81	01/07/2015	4-077-1824	H15010113-015	18	24	7.8		296		4		1890		165		1180		3535	FAIL
738018.27	1144363.70	4733.81	01/07/2015	4-077-2430	H15010113-017	24	30	7.2		37		1	U	70		14		115		237	PASS
738018.27	1144363.70	4733.81	01/07/2015	4-077-3036	H15010113-018	30	36	6.6		13		1	U	78		14		87		193	PASS
4-077N																					
738141.07	1144400.84	4732.92	01/07/2015	4-077N-0612	H15010113-024	6	12	7.6		485		6		2630		384		1910		5415	FAIL
738141.07	1144400.84	4732.92	01/07/2015	4-077N-1218	H15010113-025	12	18	7.6		119		2		1030		124		664		1939	FAIL
738141.07	1144400.84	4732.92	01/07/2015	4-077N-1824	H15010113-026	18	24	7.5		31		1	U	74		20		98		224	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-077NW																					
738184.32	1144284.23	4732.49	01/07/2015	4-077NW-0612	H15010113-030	6	12	7.5		414		3		852		342		1140		2751	FAIL
738184.32	1144284.23	4732.49	01/07/2015	4-077NW-1218	H15010113-031	12	18	7.4		21		1 U		47		12		417		498	PASS
738184.32	1144284.23	4732.49	01/07/2015	4-077NW-1824	H15010113-032	18	24	7.4		9		1 U		46		21		105		182	PASS
4-078																					
738076.00	1144913.69	4732.08	01/07/2015	4-078-4854	H15010113-009	48	54	7.1		243		16		3570		160		5690		9679	FAIL
738076.00	1144913.69	4732.08	01/07/2015	4-078-5460	H15010113-010	54	60	7.2		235		10		3030		138		3140		6553	FAIL
4-079																					
738089.78	1145495.74	4730.13	02/03/2015	4-079-3036	H15020206-026	30	36	6.7		698		12		5830		1710 J		2040		10290	FAIL
738089.78	1145495.74	4730.13	02/03/2015	4-079-3642	H15020206-027	36	42	6.4		13		1 U		38		14		69		135	PASS
738089.78	1145495.74	4730.13	02/03/2015	4-079-4248	H15020206-028	42	48	7.2		14		1 U		18		8		46		87	PASS
4-079E																					
738049.16	1145609.90	4730.32	02/03/2015	4-079E-0006	H15020206-029	0	6	7.2		347		8		984		207		1020		2566	FAIL
738049.16	1145609.90	4730.32	02/03/2015	4-079E-0612	H15020206-030	6	12	7.4		46		1 U		223		47 J		142		459	PASS
4-080																					
738098.20	1145365.99	4731.41	02/05/2015	4-080-0612	H15020204-018	6	12	8		612		6		2350		471		1820		5259	FAIL
738098.20	1145365.99	4731.41	02/05/2015	4-080-1218	H15020204-019	12	18	7.6		19		1 U		67		17		91		195	PASS
738098.20	1145365.99	4731.41	02/05/2015	4-080-1824	H15020204-020	18	24	7.4		10		1 U		41		14		68		134	PASS
4-081																					
738102.69	1145246.12	4731.78	02/05/2015	4-081-0612	H15020204-021	6	12	7.6		266		7		1040		214		2050		3577	FAIL
738102.69	1145246.12	4731.78	02/05/2015	4-081-1218	H15020204-022	12	18	7.6		13		1 U		90		15		164		283	PASS
738102.69	1145246.12	4731.78	02/05/2015	4-081-1824	H15020204-024	18	24	7.2		9		1 U		50		19		96		175	PASS
4-082																					
738108.60	1145118.14	4732.01	02/05/2015	4-082-0612	H15020204-025	6	12	8		584		7		2740		403		1970		5704	FAIL
738108.60	1145118.14	4732.01	02/05/2015	4-082-1218	H15020204-026	12	18	8.1		12		1 U		43		14		80		150	PASS
738108.60	1145118.14	4732.01	02/05/2015	4-082-1824	H15020204-027	18	24	8		9		1 U		40		13		73		136	PASS
4-083																					
738115.01	1145006.91	4732.02	02/05/2015	4-083-0612	H15020204-028	6	12	7.6		468		7		3030		358		2790		6653	FAIL
738115.01	1145006.91	4732.02	02/05/2015	4-083-1218	H15020204-029	12	18	7.7		33		2		318		38		318		709	PASS
738115.01	1145006.91	4732.02	02/05/2015	4-083-1824	H15020204-030	18	24	7.8		17		1 U		58		17		88		181	PASS
4-084																					
738126.35	1144742.81	4731.23	01/07/2015	4-084-3642	H15010113-004	36	42	7.2		309		11		7630		1830		1520		11300	FAIL
738126.35	1144742.81	4731.23	01/07/2015	4-084-4248	H15010113-005	42	48	7.5		111		2		486		698		766		2063	FAIL
4-085																					
738129.05	1144624.39	4731.01	01/06/2015	4-085-1218	H15010100-024	12	18	6.6		363		3		1580		344		705		2995	FAIL
738129.05	1144624.39	4731.01	01/06/2015	4-085-1824	H15010100-025	18	24	6.7		638		4		7550		1360		2390		11942	FAIL
738129.05	1144624.39	4731.01	01/06/2015	4-085-2430	H15010100-026	24	30	6.9		31		3		1810		63		565		2472	FAIL
738129.05	1144624.39	4731.01	01/06/2015	4-085-3642	H15020269-001	36	42	7.6		5		1 U		543		9 J		197		755	PASS
738129.05	1144624.39	4731.01	01/06/2015	4-085-4248	H15020269-002	42	48	6.9		8		1		3120		12 J		510		3651	FAIL
4-086																					
738159.24	1144532.42	4730.77	01/07/2015	4-086-3036	H15010113-027	30	36	6.3		170		8		1460		334		1870		3842	FAIL
738159.24	1144532.42	4730.77	01/07/2015	4-086-3642	H15010113-028	36	42	6.7		135		1		838		87		716		1777	FAIL
738159.24	1144532.42	4730.77	01/07/2015	4-086-4248	H15010113-029	42	48	7.3		17		1 U		58		12		397		485	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT					pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			
4-087																				
738245.08	1145242.88	4731.28	02/05/2015	4-087-1218	H15020204-031	12	18	7.6		1550		17		13700		989		4910	21166	FAIL
738245.08	1145242.88	4731.28	02/05/2015	4-087-1824	H15020204-033	18	24	7.7		70		2		465		47		431	1015	PASS
738245.08	1145242.88	4731.28	02/05/2015	4-087-2430	H15020204-034	24	30	7.8		35		1	U	212		28		152	428	PASS
4-087E																				
738200.73	1145361.15	4731.30	02/05/2015	4-087E-0006	H15020204-035	0	6	7.8		388		7		3080		329		2040	5844	FAIL
738200.73	1145361.15	4731.30	02/05/2015	4-087E-0612	H15020204-036	6	12	5.7		46		2		478		48		436	1010	PASS
738200.73	1145361.15	4731.30	02/05/2015	4-087E-1218	H15020204-037	12	18	7.7		20		1	U	78		16		87	202	PASS
4-088																				
738237.69	1145120.37	4731.73	02/05/2015	4-088-1824	H15020204-038	18	24	7.6		946		12		8080		614		3090	12742	FAIL
738237.69	1145120.37	4731.73	02/05/2015	4-088-2430	H15020204-039	24	30	7.8		101		2		758		80		512	1453	FAIL
738237.69	1145120.37	4731.73	02/05/2015	4-088-3036	H15020204-040	30	36	7.6		28		1	U	214		32		175	450	PASS
4-089																				
738241.23	1144998.24	4732.35	02/05/2015	4-089-1218	H15020204-041	12	18	7.8		59		8		1140		58		2330	3595	FAIL
738241.23	1144998.24	4732.35	02/05/2015	4-089-1824	H15020204-043	18	24	7.8		21		1	U	105		17		320	464	PASS
738241.23	1144998.24	4732.35	02/05/2015	4-089-2430	H15020204-044	24	30	7.9		8		1	U	28		10		63	110	PASS
4-090																				
738251.08	1144874.38	4732.01	02/04/2015	4-090-3036	H15020207-001	30	36	7.5		17		6		811		19		2480	3333	FAIL
738251.08	1144874.38	4732.01	02/04/2015	4-090-3642	H15020207-002	36	42	7.6		8		1	U	59		14		122	204	PASS
738251.08	1144874.38	4732.01	02/04/2015	4-090-4248	H15020207-003	42	48	7		11		1	U	37		12		61	122	PASS
4-091																				
738249.44	1144752.00	4731.68	02/04/2015	4-091-0612	H15020207-004	6	12	7.2		889		3		2320		646		1380	5238	FAIL
738249.44	1144752.00	4731.68	02/04/2015	4-091-1218	H15020207-005	12	18	7.5		21		1	U	200		36		149	407	PASS
738249.44	1144752.00	4731.68	02/04/2015	4-091-1824	H15020207-006	18	24	7.4		5		1	U	28		11		64	109	PASS
4-092																				
738254.72	1144623.52	4731.30	02/04/2015	4-092-3642	H15020207-007	36	42	6.7		11		7		171		17		2520	2726	FAIL
738254.72	1144623.52	4731.30	02/04/2015	4-092-4248	H15020207-008	42	48	6.6		38		1	U	138		42		456	675	PASS
4-093																				
738283.72	1144551.07	4731.47	02/04/2015	4-093-3036	H15020207-009	30	36	7.6		18		5		1280		12		1140	2455	FAIL
738283.72	1144551.07	4731.47	02/04/2015	4-093-3642	H15020207-010	36	42	6.9		7		1	U	18		2	U	68	96	PASS
738283.72	1144551.07	4731.47	02/04/2015	4-093-4248	H15020207-011	42	48	7.1		8		1	U	37		11		65	122	PASS
4-094																				
738269.83	1144452.43	4732.03	01/06/2015	4-094-0006	H15010100-022	0	6	7.6		321		4		1060		304		1000	2689	FAIL
738269.83	1144452.43	4732.03	01/06/2015	4-094-0612	H15010100-023	6	12	7.6		23		1	U	51		15		69	159	PASS
4-095																				
738342.54	1145695.75	4729.95	02/03/2015	4-095-0006	H15020206-031	0	6	7.8		256		9		816		172		913	2166	FAIL
738342.54	1145695.75	4729.95	02/03/2015	4-095-0612	H15020206-032	6	12	7.2		17		1	U	50		16		80	164	PASS
4-096																				
738358.79	1145254.58	4731.09	02/05/2015	4-096-1218	H15020204-045	12	18	7.7		107		2		962		89		622	1782	FAIL
738358.79	1145254.58	4731.09	02/05/2015	4-096-1824	H15020204-046	18	24	7.7		18		1	U	140		20		155	334	PASS
738358.79	1145254.58	4731.09	02/05/2015	4-096-2430	H15020204-047	24	30	7.5		8		1	U	44		19		164	236	PASS
4-096E																				
738338.30	1145375.22	4729.87	02/05/2015	4-096E-0612	H15020204-048	6	12	7.6		805		6		2970		469		2280	6530	FAIL
738338.30	1145375.22	4729.87	02/05/2015	4-096E-1218	H15020204-049	12	18	7.5		47		1	U	177		37		218	480	PASS
738338.30	1145375.22	4729.87	02/05/2015	4-096E-1824	H15020204-050	18	24	6.6		10		1	U	66		22		105	204	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-097																					
738362.09	1145133.43	4731.07	02/05/2015	4-097-0006	H15020204-051	0	6	7.4		325		9		1670		323		1820		4147	FAIL
738362.09	1145133.43	4731.07	02/05/2015	4-097-0612	H15020204-052	6	12	7.7		11		1 U		61		16		85		174	PASS
738362.09	1145133.43	4731.07	02/05/2015	4-097-1218	H15020204-053	12	18	7.7		8		1 U		54		19		85		167	PASS
4-098																					
738365.57	1145003.60	4730.87	02/04/2015	4-098-0612	H15020207-012	6	12	7.6		988		12		6700		665		3790		12155	FAIL
738365.57	1145003.60	4730.87	02/04/2015	4-098-1218	H15020207-013	12	18	7.7		77		1		584		91		437		1190	PASS
738365.57	1145003.60	4730.87	02/04/2015	4-098-1824	H15020207-014	18	24	7.6		10		1 U		51		16		86		164	PASS
4-099																					
738369.08	1144882.20	4731.24	02/04/2015	4-099-0006	H15020207-015	0	6	7.5		542		7		2870		409		2300		6128	FAIL
738369.08	1144882.20	4731.24	02/04/2015	4-099-0612	H15020207-016	6	12	7.6		174		3		1210		171		908		2466	FAIL
738369.08	1144882.20	4731.24	02/04/2015	4-099-1218	H15020207-017	12	18	7.6		40		1 U		169		36		180		426	PASS
4-100																					
738373.12	1144756.36	4730.56	02/04/2015	4-100-1824	H15020207-018	18	24	6.9		1260		8		2520		625		2250		6663	FAIL
738373.12	1144756.36	4730.56	02/04/2015	4-100-2430	H15020207-020	24	30	6.9		174		12		2280		322		2470		5258	FAIL
738373.12	1144756.36	4730.56	02/04/2015	4-100-3036	H15020207-021	30	36	6.4		12		2		198		13		234		459	PASS
4-101																					
738387.60	1144508.84	4730.73	02/04/2015	4-101-3036	H15020207-054	30	36	7		14		13		9900		15		3360		13302	FAIL
738387.60	1144508.84	4730.73	02/04/2015	4-101-3642	H15020207-055	36	42	7.4		4		1 U		277		8		445		735	PASS
738387.60	1144508.84	4730.73	02/04/2015	4-101-4248	H15020207-056	42	48	5.8		3		1 U		28		8		48		88	PASS
4-102																					
738393.78	1144409.64	4731.30	01/06/2015	4-102-1824	H15010100-019	18	24	7.8		353		10		7710		771		2580		11424	FAIL
738393.78	1144409.64	4731.30	01/06/2015	4-102-2430	H15010100-020	24	30	7.8		28		1 U		77		16		76		198	PASS
738393.78	1144409.64	4731.30	01/06/2015	4-102-3036	H15010100-021	30	36	7.8		11		1 U		25		9		35		81	PASS
4-102W																					
738403.56	1144281.74	4731.36	01/07/2015	4-102W-1218	H15010113-033	12	18	7.6		541		8		3960		579		1850		6938	FAIL
738403.56	1144281.74	4731.36	01/07/2015	4-102W-1824	H15010113-035	18	24	6.6		8		1 U		31		13		53		106	PASS
738403.56	1144281.74	4731.36	01/07/2015	4-102W2-1824	H15010113-038	18	24	7.6		72		1 U		321		49		221		664	PASS
738403.56	1144281.74	4731.36	01/07/2015	4-102W2-2430	H15010113-039	24	30	7		4		1 U		26		12		59		102	PASS
738403.56	1144281.74	4731.36	01/07/2015	4-102W-2430	H15010113-036	24	30	6.4		3		1 U		19		12		46		81	PASS
4-102W2																					
738400.54	1144181.47	4731.73	01/07/2015	4-102W2-1218	H15010113-037	12	18	7.7		888		9		10500		1110		2170		14677	FAIL
4-103																					
738442.91	1144642.93	4730.51	02/05/2015	4-103-3642	H15020204-054	36	42	7.1		23		3		805		32		814		1677	FAIL
738442.91	1144642.93	4730.51	02/05/2015	4-103-4248	H15020204-055	42	48	6.9		36		4		2250		77		1050		3417	FAIL
4-104																					
738434.63	1144831.55	4731.09	02/04/2015	4-104-0006	H15020207-022	0	6	7.4		540		8		3480		416		2490		6934	FAIL
738434.63	1144831.55	4731.09	02/04/2015	4-104-0612	H15020207-023	6	12	7.5		297		5		2290		249		1660		4501	FAIL
738434.63	1144831.55	4731.09	02/04/2015	4-104-1218	H15020207-024	12	18	7.4		17		1 U		140		32		149		339	PASS
4-105																					
738457.85	1145752.40	4728.42	02/02/2015	4-105-0612	H15020205-001	6	12	4.5		66		4		774		74		631		1549	FAIL
738457.85	1145752.40	4728.42	02/02/2015	4-105-1218	H15020205-002	12	18	5.9		17		1 U		117		15		161		311	PASS
738457.85	1145752.40	4728.42	02/02/2015	4-105-1824	H15020205-003	18	24	6.5		150		2		673		165		362		1352	PASS
4-106																					
738468.04	1145384.13	4729.36	02/05/2015	4-106-1218	H15020204-056	12	18	7.3		394		16		6020		826		4810		12066	FAIL
738468.04	1145384.13	4729.36	02/05/2015	4-106-1824	H15020204-057	18	24	7.5		141		2		1030		134		579		1886	FAIL
738468.04	1145384.13	4729.36	02/05/2015	4-106-2430	H15020204-058	24	30	7.5		60		1 U		60		15		113		249	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			Result (MG/KG)
4-106E																						
	738415.32	1145497.62	4729.27	02/05/2015	4-106E-0006	H15020204-059	0	6	8		499		7		2530		473		1780		5289	FAIL
	738415.32	1145497.62	4729.27	02/05/2015	4-106E-0612	H15020204-060	6	12	7.8		233		4		1660		260		737		2894	FAIL
	738415.32	1145497.62	4729.27	02/05/2015	4-106E-1218	H15020204-061	12	18	7.3		10		1 U		41		18		81		151	PASS
4-107																						
	738476.44	1145256.47	4730.49	02/05/2015	4-107-0006	H15020204-062	0	6	7.6		81		2		364		71		413		931	PASS
	738476.44	1145256.47	4730.49	02/05/2015	4-107-0612	H15020204-063	6	12	7.7		20		1 U		51		16		91		179	PASS
4-108																						
	738485.67	1145131.38	4730.26	02/04/2015	4-108-0006	H15020207-025	0	6	7.7		860		10		6620		782		2970		11242	FAIL
	738485.67	1145131.38	4730.26	02/04/2015	4-108-0612	H15020207-026	6	12	7.8		11		1 U		73		24		101		210	PASS
	738485.67	1145131.38	4730.26	02/04/2015	4-108-1218	H15020207-027	12	18	7.9		6		1 U		40		24		82		153	PASS
	738485.67	1145131.38	4730.26	02/04/2015	4-108-1824	H15020207-028	18	24	7.7		5		1 U		34		13		75		128	PASS
4-109																						
	738469.38	1145001.01	4730.60	02/04/2015	4-109-0006	H15020207-030	0	6	7.5		23		1 U		114		29		113		280	PASS
	738469.38	1145001.01	4730.60	02/04/2015	4-109-0612	H15020207-031	6	12	7.5		95		2		760		73		506		1436	FAIL
	738469.38	1145001.01	4730.60	02/04/2015	4-109-1218	H15030250-028	12	18	7.7		18 J		1 U		99		22		103		243	PASS
	738469.38	1145001.01	4730.60	02/04/2015	4-109-1824	H15030250-029	18	24	7.6		4 J		1 U		24		11		56		96	PASS
4-110																						
	738507.13	1144633.86	4730.29	02/05/2015	4-110-1824	H15020204-064	18	24	7.4		4		8		100		6		1870		1988	FAIL
	738507.13	1144633.86	4730.29	02/05/2015	4-110-2430	H15020204-065	24	30	6.9		4		2		17		9		916		948	PASS
	738507.13	1144633.86	4730.29	02/05/2015	4-110-3036	H15020204-066	30	36	6.8		5		1 U		16		9		62		93	PASS
4-111																						
	738507.97	1144539.05	4730.90	02/04/2015	4-111-4854	H15020207-032	48	54	7.1		1020		29		7640		712		6930		16331	FAIL
	738507.97	1144539.05	4730.90	02/04/2015	4-111-5460	H15020207-033	54	60	7.1		513		17		4080		764		4970		10344	FAIL
4-112																						
	738519.30	1144431.26	4731.45	01/06/2015	4-112-0612	H15010100-015	6	12	7.4		567		5		4240		471		1790		7073	FAIL
	738519.30	1144431.26	4731.45	01/06/2015	4-112-1218	H15010100-016	12	18	7.6		25		1 U		70		18		196		310	PASS
	738519.30	1144431.26	4731.45	01/06/2015	4-112-1824	H15010100-018	18	24	7.6		20		1 U		37		14		76		148	PASS
4-112W																						
	738484.39	1144309.68	4731.19	01/07/2015	4-112W-1824	H15010113-040	18	24	7.7		513		9		3020		417		2460		6419	FAIL
	738484.39	1144309.68	4731.19	01/07/2015	4-112W-2430	H15010113-041	24	30	7.3		96		1 U		256		49		541		943	PASS
	738484.39	1144309.68	4731.19	01/07/2015	4-112W-3036	H15010113-042	30	36	7.4		6		1 U		18		8		130		163	PASS
4-112W2																						
	738496.66	1144196.31	4731.08	01/07/2015	4-112W2-1824	H15010113-043	18	24	7.1		420		10		4690		665		3020		8805	FAIL
	738496.66	1144196.31	4731.08	01/07/2015	4-112W2-2430	H15010113-044	24	30	6.1		24		1 U		126		26		144		321	PASS
	738496.66	1144196.31	4731.08	01/07/2015	4-112W2-3036	H15010113-045	30	36	7		17		1 U		84		24		99		225	PASS
4-113																						
	738556.40	1144889.95	4730.31	01/08/2015	4-113-3036	H15010102-001	30	36	6.6		8		2		4530		31		488		5059	FAIL
	738556.40	1144889.95	4730.31	01/08/2015	4-113-3642	H15010102-002	36	42	7.6		8		4		1720		17		481		2230	FAIL
	738556.40	1144889.95	4730.31	01/08/2015	4-113-4248	H15010102-003	42	48	7.4		19		5		1570		24		610		2228	FAIL
4-114																						
	738572.47	1145799.44	4730.29	02/02/2015	4-114-0612	H15020205-004	6	12	7.3		656		8		4340		726		1830		7560	FAIL
	738572.47	1145799.44	4730.29	02/02/2015	4-114-1218	H15020205-005	12	18	7.4		285		4		2020		326		1060		3695	FAIL
	738572.47	1145799.44	4730.29	02/02/2015	4-114-1824	H15020205-006	18	24	7.4		26		1 U		40		13		102		182	PASS
4-115																						
	738582.56	1144646.51	4729.93	02/04/2015	4-115-2430	H15020207-034	24	30	7.2		659		4		3580		326		1110		5679	FAIL
	738582.56	1144646.51	4729.93	02/04/2015	4-115-3036	H15020207-035	30	36	7.4		1100		7		5110		454		1820		8491	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg						
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-116																			
738601.18	1145394.32	4729.49	02/03/2015	4-116-0612	H15020206-033	6	12	8		409		5	1700		337		1790	4241	FAIL
738601.18	1145394.32	4729.49	02/03/2015	4-116-1218	H15020206-034	12	18	7.8		43		1	275		56		346	721	PASS
738601.18	1145394.32	4729.49	02/03/2015	4-116-1824	H15020206-035	18	24	7.7		25		1 U	118		30		125	299	PASS
4-117																			
738602.76	1145260.65	4729.00	02/03/2015	4-117-0612	H15020206-036	6	12	7.8		717		5	3310		501		1730	6263	FAIL
738602.76	1145260.65	4729.00	02/03/2015	4-117-1218	H15020206-037	12	18	7.8		23		1	167		31		243	465	PASS
738602.76	1145260.65	4729.00	02/03/2015	4-117-1824	H15020206-039	18	24	7.7		19		1 U	110		19		102	251	PASS
4-118																			
738610.73	1145141.42	4728.90	02/03/2015	4-118-0612	H15020206-040	6	12	7.5		1270		12	10400		919		3410	16011	FAIL
738610.73	1145141.42	4728.90	02/03/2015	4-118-1218	H15020206-041	12	18	7.8		59		1	451		63		386	960	PASS
738610.73	1145141.42	4728.90	02/03/2015	4-118-1824	H15020206-042	18	24	7.6		18		1 U	162		29		128	338	PASS
4-119																			
738615.87	1145014.89	4729.31	01/08/2015	4-119-3642	H15010102-004	36	42	7.2		1230		7	5000		795		2000	9032	FAIL
738615.87	1145014.89	4729.31	01/08/2015	4-119-4248	H15010102-005	42	48	7.5		947		7	6120		2930		2710	12714	FAIL
4-120																			
738620.54	1144890.47	4730.00	01/08/2015	4-120-3642	H15010102-006	36	42	7		136		2	2940		148		533	3759	FAIL
738620.54	1144890.47	4730.00	01/08/2015	4-120-4248	H15010102-007	42	48	7.6		87		2	4630		90		506	5315	FAIL
4-121																			
738625.99	1144767.67	4730.50	01/08/2015	4-121-3036	H15010102-008	30	36	6.9		756		7	6870		1530		2590	11753	FAIL
738625.99	1144767.67	4730.50	01/08/2015	4-121-3642	H15010102-009	36	42	6.1		8		1 U	32		15		59	115	PASS
738625.99	1144767.67	4730.50	01/08/2015	4-121-4248	H15010102-010	42	48	6.6		4		1 U	23		11		46	85	PASS
4-122																			
738644.60	1144491.55	4730.65	01/07/2015	4-122-1824	H15010113-046	18	24	7.2		32		37	2840		19		5970	8898	FAIL
738644.60	1144491.55	4730.65	01/07/2015	4-122-2430	H15010113-047	24	30	6.5		10		1 U	47		22		265	345	PASS
738644.60	1144491.55	4730.65	01/07/2015	4-122-3036	H15010113-048	30	36	6.8		12		1 U	56		18		114	201	PASS
4-122N																			
738761.33	1144537.54	4729.97	01/08/2015	4-122N-1218	H15010102-011	12	18	7.5		16		4	249		16		1940	2225	FAIL
738761.33	1144537.54	4729.97	01/08/2015	4-122N-1824	H15010102-012	18	24	7.4		12		1 U	132		21		682	848	PASS
738761.33	1144537.54	4729.97	01/08/2015	4-122N-2430	H15010102-013	24	30	7.2		7		1 U	74		21		145	248	PASS
4-122NW																			
738800.27	1144416.23	4730.67	01/08/2015	4-122NW-3036	H15010102-014	30	36	7.7		245		20	2540		341		7200	10346	FAIL
738800.27	1144416.23	4730.67	01/08/2015	4-122NW-3642	H15010102-015	36	42	7.7		16		1 U	72		20		450	559	PASS
738800.27	1144416.23	4730.67	01/08/2015	4-122NW-4248	H15010102-016	42	48	7.1		9		1 U	43		15		326	394	PASS
4-122NW2																			
738837.20	1144304.29	4730.16	01/08/2015	4-122NW2-0006	H15010102-017	0	6	7.7		381		7	1970		331		1760	4449	FAIL
738837.20	1144304.29	4730.16	01/08/2015	4-122NW2-0612	H15010102-018	6	12	7.7		9		1 U	54		17		77	158	PASS
4-122W																			
738682.57	1144373.62	4730.57	01/08/2015	4-122W-1218	H15010102-019	12	18	7.8		161		2	924		144		730	1961	FAIL
738682.57	1144373.62	4730.57	01/08/2015	4-122W-1824	H15010102-020	18	24	7.7		14		1 U	53		19		84	171	PASS
738682.57	1144373.62	4730.57	01/08/2015	4-122W-2430	H15010102-021	24	30	8		5		1 U	35		16		64	121	PASS
4-122W2																			
738722.54	1144245.77	4730.18	01/08/2015	4-122W2-0006	H15010102-022	0	6	7.8		57		1 U	438		80		340	916	PASS
738722.54	1144245.77	4730.18	01/08/2015	4-122W2-0612	H15010102-023	6	12	7.7		12		1 U	49		17		90	169	PASS
4-123																			
738695.91	1144643.76	4730.66	01/08/2015	4-123-0006	H15010102-024	0	6	6.8		642		3	640		466		1370	3121	FAIL
738695.91	1144643.76	4730.66	01/08/2015	4-123-0612	H15010102-025	6	12	7.6		21		5	184		20		732	962	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg								
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	O	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-123N																					
738817.19	1144673.05	4730.50	01/08/2015	4-123N-1218	H15010102-026	12	18	7.3		804		4		3730		508		1660		6706	FAIL
738817.19	1144673.05	4730.50	01/08/2015	4-123N-1824	H15010102-027	18	24	7.5		15		1	U	120		22		384		542	PASS
738817.19	1144673.05	4730.50	01/08/2015	4-123N-2430	H15010102-028	24	30	7.9		43		1	U	1170		37		176		1427	FAIL
738817.19	1144673.05	4730.50	01/08/2015	4-123N-3036	H15020270-019	30	36	7.5		216	J	1	J	1020		178		552		1967	FAIL
4-124																					
738699.42	1145813.97	4728.07	02/02/2015	4-124-1824	H15020205-007	18	24	6.6		484		7		3670		610		1600		6371	FAIL
738699.42	1145813.97	4728.07	02/02/2015	4-124-2430	H15020205-008	24	30	6.5		21		1	U	21		9		48		100	PASS
738699.42	1145813.97	4728.07	02/02/2015	4-124-3036	H15020205-009	30	36	7.2		27		1	U	22		11		52		113	PASS
4-124E																					
738682.53	1145910.54	4727.72	02/03/2015	4-124E-0006	H15020206-043	0	6	7.3		250		6		788		105		826		1975	FAIL
738682.53	1145910.54	4727.72	02/03/2015	4-124E-0612	H15020206-044	6	12	7.4		249		5		578		95		666		1593	FAIL
738682.53	1145910.54	4727.72	02/03/2015	4-124E-1218	H15020206-045	12	18	7.5		360		6		2700		349		939		4354	FAIL
738682.53	1145910.54	4727.72	02/03/2015	4-124E-1824	H15030250-026	18	24	7.3		13	J	1	U	40		14		70		138	PASS
738682.53	1145910.54	4727.72	02/03/2015	4-124E-2430	H15030250-027	24	30	6.6		8	J	1	U	43		15		76		143	PASS
4-124W																					
738713.82	1145711.61	4728.89	02/05/2015	4-124W-0006	H15020204-067	0	6	7.5		96		3		335		76		358		868	PASS
738713.82	1145711.61	4728.89	02/05/2015	4-124W-0612	H15020204-068	6	12	7.8		44		1	U	96		19		94		254	PASS
4-125																					
738719.69	1145396.82	4728.50	02/03/2015	4-125-0612	H15020206-046	6	12	8		483		9		2680		331		2700		6203	FAIL
738719.69	1145396.82	4728.50	02/03/2015	4-125-1218	H15020206-047	12	18	7.7		190		8		2420		272		1720		4610	FAIL
738719.69	1145396.82	4728.50	02/03/2015	4-125-1824	H15020206-048	18	24	7.7		25		1	U	208		27		177		438	PASS
4-126																					
738727.62	1145267.86	4728.44	01/29/2015	4-126-1824	H15020112-001	18	24	6.9		530	J	7		9060		1060	J	3520		14177	FAIL
738727.62	1145267.86	4728.44	01/29/2015	4-126-2430	H15020112-002	24	30	7.3		6		2		167		10		572		757	PASS
738727.62	1145267.86	4728.44	01/29/2015	4-126-3036	H15020112-003	30	36	7.4		3		1	U	29		8		226		267	PASS
4-127																					
738737.07	1145147.64	4729.23	02/03/2015	4-127-0612	H15020206-049	6	12	7.6		46	J	19		8120		36		4880		13101	FAIL
738737.07	1145147.64	4729.23	02/03/2015	4-127-1218	H15020206-050	12	18	7.8		13		1	U	226		16		230		486	PASS
738737.07	1145147.64	4729.23	02/03/2015	4-127-1824	H15020206-051	18	24	7.7		29	J	1	U	600		42		296		968	PASS
4-128																					
738757.67	1145037.14	4729.50	02/03/2015	4-128-1824	H15020206-052	18	24	7.5		10		9		6550		18		1710		8297	FAIL
738757.67	1145037.14	4729.50	02/03/2015	4-128-2430	H15020206-053	24	30	7.3		5		1	U	52		11		563		632	PASS
738757.67	1145037.14	4729.50	02/03/2015	4-128-3036	H15020206-054	30	36	6.9		6		1	U	25		12		61		105	PASS
4-129																					
738745.52	1144895.00	4729.59	01/08/2015	4-129-1824	H15010102-029	18	24	7.4		54		20		16000		271		4290		20635	FAIL
738745.52	1144895.00	4729.59	01/08/2015	4-129-2430	H15010102-030	24	30	7		5		1	U	60		13		193		272	PASS
738745.52	1144895.00	4729.59	01/08/2015	4-129-3036	H15010102-031	30	36	6.8		3		1	U	20		9		48		81	PASS
4-130																					
738750.89	1144769.85	4730.51	01/08/2015	4-130-1218	H15010102-032	12	18	7.6		1090		10		8950		670		2970		13690	FAIL
738750.89	1144769.85	4730.51	01/08/2015	4-130-1824	H15010102-033	18	24	7.6		21		1	U	139		21		111		293	PASS
738750.89	1144769.85	4730.51	01/08/2015	4-130-2430	H15010102-034	24	30	7.7		5		1	U	39		16		71		132	PASS
4-131																					
738843.62	1145778.14	4728.52	01/29/2015	4-131-0006	H15020112-004	0	6	7.8		172	J	3		764		139	J	613		1691	FAIL
738843.62	1145778.14	4728.52	01/29/2015	4-131-0612	H15020112-005	6	12	7.7		11		1	U	45		13		74		144	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM		COPPER		LEAD		ZINC		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-132																					
738836.89	1145649.94	4727.62	01/29/2015	4-132-0612	H15020112-006	6	12	7.9		819 J		6	5220		979 J		2380		9404	FAIL	
738836.89	1145649.94	4727.62	01/29/2015	4-132-1218	H15020112-007	12	18	7.9		42 J		1 U	66		15		130		254	PASS	
738836.89	1145649.94	4727.62	01/29/2015	4-132-1824	H15020112-008	18	24	7.7		16		1 U	33		15		82		147	PASS	
4-133																					
738837.45	1145513.31	4728.44	01/29/2015	4-133-0006	H15020112-009	0	6	7.2		35 J		1 U	176		38 J		221		471	PASS	
738837.45	1145513.31	4728.44	01/29/2015	4-133-0612	H15020112-010	6	12	7.7		22 J		1 U	71		16		99		209	PASS	
4-134																					
738847.82	1145400.91	4728.02	01/29/2015	4-134-0612	H15020112-011	6	12	7.9		758 J		4	5000		658 J		1830		8250	FAIL	
738847.82	1145400.91	4728.02	01/29/2015	4-134-1218	H15020112-012	12	18	7.8		18		1 U	81		16		138		254	PASS	
738847.82	1145400.91	4728.02	01/29/2015	4-134-1824	H15020112-013	18	24	7.9		11		1 U	36		13		76		137	PASS	
4-135																					
738840.08	1145284.06	4727.67	01/29/2015	4-135-3642	H15020112-014	36	42	6.5		24		11	766		28 J		3970		4799	FAIL	
738840.08	1145284.06	4727.67	01/29/2015	4-135-4248	H15020112-015	42	48	7.4		8		12	1030		10		1320		2380	FAIL	
738840.08	1145284.06	4727.67	01/29/2015	4-135-4854	H15020112-016	48	54	7.7		12		2	584		18		709		1325	PASS	
4-136																					
738846.78	1145145.22	4728.57	02/03/2015	4-136-0006	H15030388-006	0	6	7.4		571		3	1450		409		1300		3733	FAIL	
738846.78	1145145.22	4728.57	02/03/2015	4-136-0612	H15020206-055	6	12	7.6		10		1 U	176		15		248		450	PASS	
738846.78	1145145.22	4728.57	02/03/2015	4-136-1218	H15020206-056	12	18	8		9		1 U	193		15		115		333	PASS	
738846.78	1145145.22	4728.57	02/03/2015	4-136-1824	H15020206-057	18	24	8.1		11		1 U	154		10		132		308	PASS	
4-137																					
738879.78	1145033.21	4728.68	02/03/2015	4-137-3036	H15020206-058	30	36	6.5		7		3	111		13		1390		1524	FAIL	
738879.78	1145033.21	4728.68	02/03/2015	4-137-3642	H15020206-059	36	42	5.9		6		3	76		14		826		925	PASS	
738879.78	1145033.21	4728.68	02/03/2015	4-137-4248	H15020206-060	42	48	6.4		7		1 U	30		13		616		667	PASS	
4-138																					
738870.56	1144917.02	4729.42	02/03/2015	4-138-2430	H15020206-061	24	30	6.9		24 J		5	1350		56		947		2382	FAIL	
738870.56	1144917.02	4729.42	02/03/2015	4-138-3036	H15020206-062	30	36	6.7		8		1 U	45		20		1200		1274	PASS	
738870.56	1144917.02	4729.42	02/03/2015	4-138-3642	H15020206-063	36	42	6.8		6		1 U	35		19		873		934	PASS	
4-139																					
738871.89	1144750.44	4729.32	01/08/2015	4-139-1218	H15010102-035	12	18	7.4		1060		13	18700		1170		3970		24913	FAIL	
738871.89	1144750.44	4729.32	01/08/2015	4-139-1824	H15010102-036	18	24	7.4		56		1	246		33		1890		2226	FAIL	
738871.89	1144750.44	4729.32	01/08/2015	4-139-2430	H15010102-037	24	30	7.5		10		1 U	68		23		188		290	PASS	
4-140																					
738955.29	1144851.32	4728.63	02/03/2015	4-140-3642	H15020206-064	36	42	6.3		7		2	3400		16		463		3888	FAIL	
738955.29	1144851.32	4728.63	02/03/2015	4-140-4248	H15020206-065	42	48	6.3		61 J		1 U	3030		56		245		3393	FAIL	
4-141																					
738963.48	1145111.31	4725.48	02/04/2015	4-141-0006	H15020207-036	0	6	7.5		126		2	840		102		720		1790	FAIL	
738963.48	1145111.31	4725.48	02/04/2015	4-141-0612	H15020207-037	6	12	7.3		7		1 U	58		7		49		122	PASS	
4-142																					
738945.05	1145430.59	4728.41	01/29/2015	4-142-0006	H15020112-017	0	6	7.4		101 J		3	579		130 J		607		1420	FAIL	
738945.05	1145430.59	4728.41	01/29/2015	4-142-0612	H15020112-018	6	12	7.7		25		1 U	39		10		54		129	PASS	
4-143																					
738978.37	1145280.54	4727.83	02/04/2015	4-143-2430	H15020207-038	24	30	7.4		70		7	11700		303		1420		13500	FAIL	
738978.37	1145280.54	4727.83	02/04/2015	4-143-3036	H15020207-039	30	36	6.8		3		1 U	27		9		58		98	PASS	
738978.37	1145280.54	4727.83	02/04/2015	4-143-3642	H15020207-040	36	42	7.5		3		1 U	21		7		42		74	PASS	

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg							
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL	
4-144																				
	738989.84	1145031.58	4727.63	02/03/2015	4-144-0612	H15020206-066	6	12	6.9		192	J		2	4840		797	985	6816	FAIL
	738989.84	1145031.58	4727.63	02/03/2015	4-144-1218	H15020206-067	12	18	7.3		5		1	667		20	275	275	968	PASS
	738989.84	1145031.58	4727.63	02/03/2015	4-144-1824	H15020206-068	18	24	7.1		5		2	947		9	343	1306	PASS	
4-145																				
	738994.87	1144904.15	4728.27	02/03/2015	4-145-1824	H15020206-069	18	24	7.4		16		16	2750		19	3300	6101	FAIL	
	738994.87	1144904.15	4728.27	02/03/2015	4-145-2430	H15020206-070	24	30	7.6		4		1	U 26		9	112	152	PASS	
	738994.87	1144904.15	4728.27	02/03/2015	4-145-3036	H15020206-071	30	36	6.8		4		1	U 15		8	84	112	PASS	
4-146																				
	739004.29	1144659.26	4728.44	01/08/2015	4-146-1824	H15010102-038	18	24	7.2		225		16	3300		129	3240	6910	FAIL	
	739004.29	1144659.26	4728.44	01/08/2015	4-146-2430	H15010102-039	24	30	7.3		103		7	596		51	1620	2377	FAIL	
	739004.29	1144659.26	4728.44	01/08/2015	4-146-3036	H15010102-040	30	36	7.5		33		2	220		11	527	793	PASS	
4-146W																				
	739016.02	1144532.15	4729.80	01/09/2015	4-146W-0006	H15010103-001	0	6	7.6		501		6	2290		397	1940	5134	FAIL	
	739016.02	1144532.15	4729.80	01/09/2015	4-146W-0612	H15010103-002	6	12	7.9		73		2	618		78	521	1292	PASS	
	739016.02	1144532.15	4729.80	01/09/2015	4-146W-1218	H15010103-003	12	18	7.8		10		1	U 28		10	55	104	PASS	
4-147																				
	739005.05	1145629.19	4727.45	01/29/2015	4-147-0006	H15020112-019	0	6	7.4		286	J	8	J 1400		289	1420	3403	FAIL	
	739005.05	1145629.19	4727.45	01/29/2015	4-147-0612	H15020112-020	6	12	7.8		29	J	1	UJ 47		15	82	174	PASS	
	739005.05	1145629.19	4727.45	01/29/2015	4-147-1218	H15020112-021	12	18	7.7		17		1	UJ 33		15	82	148	PASS	
4-148																				
	739034.06	1145480.49	4727.89	01/29/2015	4-148-0612	H15020112-023	6	12	7		369	J	3	J 880		355	1420	3027	FAIL	
	739034.06	1145480.49	4727.89	01/29/2015	4-148-1218	H15020112-024	12	18	7.9		52	J	1	UJ 209		33	145	440	PASS	
	739034.06	1145480.49	4727.89	01/29/2015	4-148-1824	H15020112-025	18	24	7.8		22	J	1	UJ 48		10	64	145	PASS	
4-149																				
	739088.38	1145725.69	4727.28	01/29/2015	4-149-1218	H15020112-026	12	18	7.8		409	J	5	J 2330		331	1790	4865	FAIL	
	739088.38	1145725.69	4727.28	01/29/2015	4-149-1824	H15020112-027	18	24	7.8		31	J	1	UJ 202		31	190	455	PASS	
	739088.38	1145725.69	4727.28	01/29/2015	4-149-2430	H15020112-028	24	30	8		11		1	UJ 65		18	104	199	PASS	
4-149E																				
	739060.29	1145840.60	4726.98	01/29/2015	4-149E-0612	H15020112-029	6	12	7.8		369	J	6	J 2520		385	1590	4870	FAIL	
	739060.29	1145840.60	4726.98	01/29/2015	4-149E-1218	H15020112-030	12	18	7.7		31	J	1	UJ 113		26	111	282	PASS	
	739060.29	1145840.60	4726.98	01/29/2015	4-149E-1824	H15020112-031	18	24	7.4		6		1	UJ 33		13	64	117	PASS	
4-150																				
	739099.86	1145537.94	4727.28	01/28/2015	4-150-3036	H15020116-001	30	36	7.7		482	J	7	5380		1860	3310	11039	FAIL	
	739099.86	1145537.94	4727.28	01/28/2015	4-150-3642	H15020116-002	36	42	7.2		9		1	U 33		16	68	127	PASS	
	739099.86	1145537.94	4727.28	01/28/2015	4-150-4248	H15020116-003	42	48	7.1		4		1	U 27		12	62	106	PASS	
4-151																				
	739087.65	1144963.58	4727.84	02/03/2015	4-151-0006	H15020206-072	0	6	7.5		94	J	2	551		82	561	1290	PASS	
	739087.65	1144963.58	4727.84	02/03/2015	4-151-0612	H15020206-073	6	12	7.4		91	J	2	531		75	561	1260	PASS	
4-152																				
	739107.64	1145400.23	4726.02	02/04/2015	4-152-2430	H15020207-041	24	30	7.2		149		6	1310		171	1680	3316	FAIL	
	739107.64	1145400.23	4726.02	02/04/2015	4-152-3036	H15020207-042	30	36	7.4		260		3	1850		153	1390	3656	FAIL	
4-153																				
	739114.49	1145282.27	4727.26	02/04/2015	4-153-3036	H15020207-043	30	36	6.8		6		10	1940		12	1990	3958	FAIL	
	739114.49	1145282.27	4727.26	02/04/2015	4-153-3642	H15020207-044	36	42	6.4		4		1	U 27		17	66	115	PASS	
	739114.49	1145282.27	4727.26	02/04/2015	4-153-4248	H15020207-045	42	48	6.7		14		1	U 58		20	545	638	PASS	

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg							
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL	
4-154																				
739110.50	1145163.07	4727.39	02/04/2015	4-154-2430	H15020207-046	24	30	7		22		1		2830		38		686	3577	FAIL
739110.50	1145163.07	4727.39	02/04/2015	4-154-3036	H15020207-047	30	36	7.3		57		1		2360		56		460	2934	FAIL
739110.50	1145163.07	4727.39	02/04/2015	4-154-3642	H15020207-048	36	42	7.5		25		3		3310		38		1030	4406	FAIL
739110.50	1145163.07	4727.39	02/04/2015	4-154-4248	H15030250-030	42	48	7.6		35 J		2		1730		34		614	2415	FAIL
4-155																				
739110.03	1145054.22	4727.02	02/04/2015	4-155-0006	H15020207-049	0	6	7.3		199		2		946		146		725	2018	FAIL
739110.03	1145054.22	4727.02	02/04/2015	4-155-0612	H15020207-050	6	12	7.7		107		2		688		94		621	1512	FAIL
739110.03	1145054.22	4727.02	02/04/2015	4-155-1218	H15030250-031	12	18	7.7		95 J		2		676		88		585	1446	FAIL
739110.03	1145054.22	4727.02	02/04/2015	4-155-1824	H15030250-032	18	24	7.6		113 J		2		737		99		618	1569	FAIL
739110.03	1145054.22	4727.02	02/04/2015	4-155-2430	H15040057-001	24	30	7.6		90 J		5		736		82		811	1724	FAIL
739110.03	1145054.22	4727.02	02/04/2015	4-155-3036	H15040057-002	30	36	7.5		85 J		6		707		94		1200	2092	FAIL
4-156																				
739130.79	1144668.74	4727.55	01/08/2015	4-156-3036	H15010102-041	30	36	7.2		603		9		7730		1940		2710	12992	FAIL
739130.79	1144668.74	4727.55	01/08/2015	4-156-3642	H15010102-042	36	42	6.6		21		1 U		63		23		214	322	PASS
739130.79	1144668.74	4727.55	01/08/2015	4-156-4248	H15010102-043	42	48	7.2		8		1 U		33		12		307	361	PASS
4-156W																				
739108.62	1144544.29	4728.61	01/09/2015	4-156W-0006	H15010103-004	0	6	7.9		134		3		513		107		494	1251	PASS
739108.62	1144544.29	4728.61	01/09/2015	4-156W-0612	H15010103-005	6	12	7.8		21		1 U		72		17		87	198	PASS
4-157																				
739141.65	1144752.73	4727.87	01/08/2015	4-157-3036	H15010102-044	30	36	7.4		14		29		1630		44		5100	6817	FAIL
739141.65	1144752.73	4727.87	01/08/2015	4-157-3642	H15010102-045	36	42	7.4		7		1 U		34		15		462	519	PASS
739141.65	1144752.73	4727.87	01/08/2015	4-157-4248	H15010102-046	42	48	7.6		3		1 U		27		8		406	445	PASS
4-158																				
739186.16	1144948.90	4728.58	01/09/2015	4-158-2430	H15010103-006	24	30	7.4		6		2		125		13		1680	1826	FAIL
739186.16	1144948.90	4728.58	01/09/2015	4-158-3036	H15010103-007	30	36	7.3		6		6		96		14		1200	1322	PASS
739186.16	1144948.90	4728.58	01/09/2015	4-158-3642	H15010103-008	36	42	7.2		5		3		80		10		825	923	PASS
4-159																				
739190.80	1144545.61	4727.65	01/09/2015	4-159-2430	H15010103-009	24	30	7.6		191		78		12000		204		14400	26873	FAIL
739190.80	1144545.61	4727.65	01/09/2015	4-159-3036	H15010103-010	30	36	7.6		10		1 U		119		20		1270	1420	FAIL
739190.80	1144545.61	4727.65	01/09/2015	4-159-3642	H15010103-011	36	42	7.5		11		1 U		52		19		99	182	PASS
4-160																				
739202.17	1145307.75	4727.35	02/04/2015	4-160-2430	H15020207-051	24	30	6.9		129		13		4210		638		3960	8950	FAIL
739202.17	1145307.75	4727.35	02/04/2015	4-160-3036	H15020207-052	30	36	7.2		11		8		437		9		1270	1735	FAIL
739202.17	1145307.75	4727.35	02/04/2015	4-160-3642	H15020207-053	36	42	7		18		1 U		69		19		96	203	PASS
4-161																				
739201.01	1145727.47	4726.78	01/28/2015	4-161-3642	H15020116-004	36	42	6.7		203 J		10		3240		140		2100	5693	FAIL
739201.01	1145727.47	4726.78	01/28/2015	4-161-4248	H15020116-005	42	48	7.1		7		1 U		42		18		86	154	PASS
739201.01	1145727.47	4726.78	01/28/2015	4-161-4854	H15020116-006	48	54	7.4		15		1 U		107		23		127	273	PASS
4-161E																				
739250.74	1145843.14	4726.64	01/28/2015	4-161E-2430	H15020116-007	24	30	7.8		1150 J		10		11800		910		2340	16210	FAIL
739250.74	1145843.14	4726.64	01/28/2015	4-161E-3036	H15020116-008	30	36	7.3		16 J		1 U		74		17		91	199	PASS
739250.74	1145843.14	4726.64	01/28/2015	4-161E-3642	H15020116-009	36	42	7.2		7		1 U		37		8		86	139	PASS
4-161E2																				
739273.55	1145957.48	4726.50	01/29/2015	4-161E2-1824	H15020112-032	18	24	7.7		968 J		11 J		6400		653		3590	11622	FAIL
739273.55	1145957.48	4726.50	01/29/2015	4-161E2-2430	H15020112-033	24	30	7.6		21 J		1 UJ		80		17		159	278	PASS
739273.55	1145957.48	4726.50	01/29/2015	4-161E2-3036	H15020112-034	30	36	7.1		5		1 UJ		36		14		73	129	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-161E2N																					
739397.38	1145932.08	4724.86	01/29/2015	4-161E2N	H15020112-042	0	0	7.2		30		1	UJ	52		23		133		239	PASS
739397.38	1145932.08	4724.86	01/29/2015	4-161E2N-1824	H15020112-035	18	24	7.7		418	J	12	J	9050		640		2880		13000	FAIL
739397.38	1145932.08	4724.86	01/29/2015	4-161E2N-3036	H15020112-036	30	36	7.4		18	J	1	UJ	134		32		129		314	PASS
4-161E2N2																					
739522.14	1145949.24	4725.41	01/29/2015	4-161E2N2-1218	H15020112-037	12	18	7.8		407	J	6	J	1480		341		2020		4254	FAIL
739522.14	1145949.24	4725.41	01/29/2015	4-161E2N2-1824	H15020112-038	18	24	7.7		22	J	1		175		17		369		584	PASS
739522.14	1145949.24	4725.41	01/29/2015	4-161E2N2-2430	H15020112-043	24	30	7.5		18		1	UJ	44		14		78		155	PASS
4-161E3																					
739332.71	1146110.49	4726.11	01/29/2015	4-161E3-0006	H15020112-044	0	6	7.9		76	J	2	J	760		126		676		1640	FAIL
739332.71	1146110.49	4726.11	01/29/2015	4-161E3-0612	H15020112-039	6	12	7.8		194	J	3	J	1180		192		1050		2619	FAIL
739332.71	1146110.49	4726.11	01/29/2015	4-161E3-1218	H15020112-045	12	18	7.8		14		1	UJ	59		15		71		160	PASS
4-161E3N																					
739421.09	1146054.98	4725.64	01/29/2015	4-161E3N-0006	H15020112-040	0	6	8		595	J	7	J	3070		488		2100		6260	FAIL
739421.09	1146054.98	4725.64	01/29/2015	4-161E3N-0612	H15020112-046	6	12	7.8		23		1		428		48		245		745	PASS
739421.09	1146054.98	4725.64	01/29/2015	4-161E3N-1218	H15020112-041	12	18	7.9		11		1	UJ	65		18		94		189	PASS
4-162																					
739222.28	1145539.61	4726.43	01/28/2015	4-162-1824	H15020116-010	18	24	7.1		14	J	6		171		15		1840		2046	FAIL
739222.28	1145539.61	4726.43	01/28/2015	4-162-2430	H15020116-011	24	30	7.3		9		11		437		10		924		1391	PASS
739222.28	1145539.61	4726.43	01/28/2015	4-162-3036	H15020116-012	30	36	7.6		10		3		1070		5		635		1723	FAIL
739222.28	1145539.61	4726.43	01/28/2015	4-162-3642	H15030250-012	36	42	6.4		12		1	U	29		9		549		600	PASS
739222.28	1145539.61	4726.43	01/28/2015	4-162-4248	H15030250-013	42	48	7.9		6		1	U	21		8		154		190	PASS
4-163																					
739225.69	1145416.65	4727.64	01/28/2015	4-163-3036	H15020116-013	30	36	7.2		107	J	4		4280		91		785		5267	FAIL
739225.69	1145416.65	4727.64	01/28/2015	4-163-3642	H15020116-014	36	42	7.2		11		1		52		21		835		920	PASS
739225.69	1145416.65	4727.64	01/28/2015	4-163-4248	H15020116-015	42	48	6.9		8		1	U	41		16		92		158	PASS
4-164																					
739232.84	1145167.48	4727.36	01/28/2015	4-164-3036	H15020116-016	30	36	6.9		7		11		3200		10		1300		4528	FAIL
739232.84	1145167.48	4727.36	01/28/2015	4-164-3642	H15020116-017	36	42	6.2		43	J	1	U	97		36		238		415	PASS
739232.84	1145167.48	4727.36	01/28/2015	4-164-4248	H15020116-018	42	48	6.4		44	J	1	U	201		26		295		567	PASS
4-165																					
739240.84	1145044.26	4726.90	01/09/2015	4-165-0006	H15010103-012	0	6	7.4		298		13		3490		275		1740		5816	FAIL
739240.84	1145044.26	4726.90	01/09/2015	4-165-0612	H15010103-013	6	12	7.5		34		4		160		36		1570		1804	FAIL
739240.84	1145044.26	4726.90	01/09/2015	4-165-1218	H15010103-014	12	18	7.3		12		1	U	68		21		140		242	PASS
4-166																					
739245.30	1144916.58	4727.88	01/09/2015	4-166-1218	H15010103-015	12	18	7.8		35		18		3320		21		3420		6814	FAIL
739245.30	1144916.58	4727.88	01/09/2015	4-166-1824	H15010103-016	18	24	7.6		16		1		129		20		599		765	PASS
739245.30	1144916.58	4727.88	01/09/2015	4-166-2430	H15010103-018	24	30	7.5		7		1	U	46		12		223		289	PASS
4-167																					
739250.27	1144791.77	4728.07	01/09/2015	4-167-1218	H15010103-019	12	18	7		134		5		3600		146		1510		5395	FAIL
739250.27	1144791.77	4728.07	01/09/2015	4-167-1824	H15010103-020	18	24	7.2		4		1	U	100		8		150		263	PASS
739250.27	1144791.77	4728.07	01/09/2015	4-167-2430	H15010103-021	24	30	7.5		6		1	U	74		10		114		205	PASS
4-168																					
739255.66	1144667.99	4728.07	01/09/2015	4-168-0612	H15010103-022	6	12	7.9		985		10		6550		590		3260		11395	FAIL
739255.66	1144667.99	4728.07	01/09/2015	4-168-1218	H15010103-023	12	18	8.1		27		1		116		17		367		528	PASS
739255.66	1144667.99	4728.07	01/09/2015	4-168-1824	H15010103-024	18	24	8		9		1	U	40		15		70		135	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-169																					
739260.84	1144497.67	4727.44	01/13/2015	4-169-1824	H15010290-004	18	24	7.8		591		24		6010		617		5880		13122	FAIL
739260.84	1144497.67	4727.44	01/13/2015	4-169-2430	H15010290-005	24	30	7.7		9		1		83		17		516		626	PASS
739260.84	1144497.67	4727.44	01/13/2015	4-169-3036	H15010290-006	30	36	7.7		5		1 U		50		14		408		478	PASS
4-169W																					
20050.00	1144374.27	4727.85	01/15/2015	4-169W-0006	H15010302-001	0	6	7.7		204		5 J		1650		313		1090 J		3262	FAIL
20050.00	1144374.27	4727.85	01/15/2015	4-169W-0612	H15010302-002	6	12	7.5		168		3 J		947		154		698 J		1970	FAIL
20050.00	1144374.27	4727.85	01/15/2015	4-169W-1218	H15030250-001	12	18	7.8		13		1 U		96		25		108		243	PASS
20050.00	1144374.27	4727.85	01/15/2015	4-169W-1824	H15030250-002	18	24	7.8		8		1 U		55		19		91		174	PASS
4-170																					
739350.68	1145544.82	4726.52	01/28/2015	4-170-3036	H15020116-019	30	36	7.1		8		9		204		16		3160		3397	FAIL
739350.68	1145544.82	4726.52	01/28/2015	4-170-3642	H15020116-020	36	42	7		5		1 U		28		11		70		115	PASS
739350.68	1145544.82	4726.52	01/28/2015	4-170-4248	H15020116-021	42	48	7.3		6		1 U		38		14		85		144	PASS
4-170NE																					
739393.36	1145655.69	4725.84	01/28/2015	4-170NE-0612	H15020116-022	6	12	7.8		585		7		3130		532		2040		6294	FAIL
739393.36	1145655.69	4725.84	01/28/2015	4-170NE-1218	H15020116-023	12	18	7.8		62		1		464		77		385		989	PASS
739393.36	1145655.69	4725.84	01/28/2015	4-170NE-1824	H15020116-024	18	24	8		13		1 U		73		15		100		202	PASS
4-171																					
739336.77	1145425.09	4726.12	01/28/2015	4-171-3036	H15020116-025	30	36	7.4		16		15		6300		34		2950		9315	FAIL
739336.77	1145425.09	4726.12	01/28/2015	4-171-3642	H15020116-026	36	42	7.3		5		1 U		32		11		81		130	PASS
739336.77	1145425.09	4726.12	01/28/2015	4-171-4248	H15020116-027	42	48	7.4		6		1 U		32		12		82		133	PASS
4-172																					
739367.94	1145177.71	4725.75	01/28/2015	4-172-1824	H15020116-028	18	24	6.9		1430		5		9110		1250		1180		12975	FAIL
739367.94	1145177.71	4725.75	01/28/2015	4-172-2430	H15020116-029	24	30	7.4		12		9		802		13		784		1620	FAIL
739367.94	1145177.71	4725.75	01/28/2015	4-172-3036	H15020116-030	30	36	7.1		5		1		31		9		399		445	PASS
4-173																					
739366.85	1145062.19	4726.66	01/28/2015	4-173-1218	H15020116-031	12	18	7.6		19		9		5070		18		1770		6886	FAIL
739366.85	1145062.19	4726.66	01/28/2015	4-173-1824	H15020116-032	18	24	7.9		12		4		293		21		716		1046	PASS
739366.85	1145062.19	4726.66	01/28/2015	4-173-2430	H15020116-033	24	30	7.9		6		1 U		36		9		72		124	PASS
4-174																					
739370.30	1144922.56	4726.26	01/13/2015	4-174-0006	H15030388-001	0	6	7.5		187		51		3220		223		11300		14981	FAIL
739370.30	1144922.56	4726.26	01/13/2015	4-174-0612	H15030388-002	6	12	7.5		54		8		490		70		2880		3502	FAIL
739370.30	1144922.56	4726.26	01/13/2015	4-174-1218	H15010290-007	12	18	7.2		13		1 U		165		19		180		378	PASS
739370.30	1144922.56	4726.26	01/13/2015	4-174-1824	H15010290-008	18	24	7		11		1 U		12		7		34		65	PASS
739370.30	1144922.56	4726.26	01/13/2015	4-174-2430	H15010290-009	24	30	6.7		6		1 U		17		9		44		77	PASS
4-175																					
739384.85	1144794.97	4727.29	01/13/2015	4-175-1824	H15010290-010	18	24	7.7		549		12		5980		557		2880		9978	FAIL
739384.85	1144794.97	4727.29	01/13/2015	4-175-2430	H15010290-011	24	30	7.5		13		1 U		74		14		237		339	PASS
739384.85	1144794.97	4727.29	01/13/2015	4-175-3036	H15010290-012	30	36	7.3		6		1 U		46		13		81		147	PASS
4-176																					
739375.44	1144672.87	4727.79	01/13/2015	4-176-1218	H15010290-013	12	18	7.6		1200		13		9010		723		3880		14826	FAIL
739375.44	1144672.87	4727.79	01/13/2015	4-176-1824	H15010290-014	18	24	7.6		12		1 U		70		15		92		190	PASS
739375.44	1144672.87	4727.79	01/13/2015	4-176-2430	H15010290-015	24	30	7.4		7		1 U		37		13		61		119	PASS
4-177																					
739402.26	1144525.72	4727.16	01/13/2015	4-177-0612	H15010290-016	6	12	7.7		551		7		1920		476		2400		5354	FAIL
739402.26	1144525.72	4727.16	01/13/2015	4-177-1218	H15010290-017	12	18	7.7		18		1 U		74		19		176		288	PASS
739402.26	1144525.72	4727.16	01/13/2015	4-177-1824	H15010290-018	18	24	7.7		27		1 U		223		31		288		570	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-178																					
739407.91	1145302.15	4726.25	01/13/2015	4-178-3036	H15010290-019	30	36	6.9		7		12		4930		20		1460		6429	FAIL
739407.91	1145302.15	4726.25	01/13/2015	4-178-3642	H15010290-020	36	42	6.2		7		1 U		48		12		135		203	PASS
739407.91	1145302.15	4726.25	01/13/2015	4-178-4248	H15010290-021	42	48	7.1		16		1 U		51		20		84		172	PASS
4-179																					
739467.23	1145134.33	4726.47	01/28/2015	4-179-1824	H15020116-034	18	24	6.1		29		2		4400		207		677		5315	FAIL
739467.23	1145134.33	4726.47	01/28/2015	4-179-2430	H15020116-035	24	30	6.9		66		12		2790		45		1170		4083	FAIL
739467.23	1145134.33	4726.47	01/28/2015	4-179-3036	H15020116-036	30	36	6.7		13		6		531		19		1020		1589	FAIL
739467.23	1145134.33	4726.47	01/28/2015	4-179-3642	H15030250-014	36	42	5.6		3		1 U		16		10		34		64	PASS
739467.23	1145134.33	4726.47	01/28/2015	4-179-4248	H15030250-015	42	48	4.5		7		1 U		17		10		339		374	PASS
4-180																					
739469.12	1144634.517	4726.527	01/13/2015	4-080-3036	H15010290-001	30	36	7.5		149		48		5810		559		8710		15276	FAIL
739469.12	1144634.517	4726.527	01/13/2015	4-080-3642	H15010290-002	36	42	7.4		8		1 U		47		15		918		989	PASS
739469.12	1144634.517	4726.527	01/13/2015	4-080-4248	H15010290-003	42	48	7.2		7		1 U		32		16		212		268	PASS
4-180W																					
739544.03	1144527.81	4726.95	01/15/2015	4-180W-0006	H15010302-003	0	6	7.6		179		4 J		930		197		866 J		2176	FAIL
739544.03	1144527.81	4726.95	01/15/2015	4-180W-0612	H15010302-004	6	12	7.8		20 J		1 U		41		9 J		64		135	PASS
4-181																					
739478.62	1145303.34	4725.71	01/14/2015	4-181-3036	H15010298-001	30	36	6.9		1020		11		14200		1380		3610		20221	FAIL
739478.62	1145303.34	4725.71	01/14/2015	4-181-3642	H15010298-002	36	42	6.3		107		1 U		165		23		317		613	PASS
739478.62	1145303.34	4725.71	01/14/2015	4-181-4248	H15010298-003	42	48	7		7		1 U		32		14		78		132	PASS
4-182																					
739479.39	1145378.49	4725.81	01/14/2015	4-182-1824	H15010298-004	18	24	7.2		54		18		3020		66		3760		6918	FAIL
739479.39	1145378.49	4725.81	01/14/2015	4-182-2430	H15010298-005	24	30	6.7		5		1 U		47		11		817		881	PASS
739479.39	1145378.49	4725.81	01/14/2015	4-182-3036	H15010298-006	30	36	6.9		5		1 U		24		10		116		156	PASS
4-183																					
739478.23	1145105.77	4726.85	01/28/2015	4-183-4248	H15020116-037	42	48	7.4		2180 J		28		14300		718		7570		24796	FAIL
739478.23	1145105.77	4726.85	01/28/2015	4-183-4854	H15020116-038	48	54	7.4		957 J		16		6670		520		4510		12673	FAIL
4-184																					
739470.09	1144929.85	4727.16	01/13/2015	4-184-1824	H15010290-022	18	24	7.8		1430		13		15000		1070		4050		21563	FAIL
739470.09	1144929.85	4727.16	01/13/2015	4-184-2430	H15010290-023	24	30	7.6		27		4		344		23		2060		2458	FAIL
739470.09	1144929.85	4727.16	01/13/2015	4-184-3036	H15010290-024	30	36	7.1		6		1 U		29		14		69		119	PASS
4-185																					
739519.17	1144803.80	4727.27	01/13/2015	4-185-1218	H15010290-025	12	18	7.6		682		8		2680		547		2600		6517	FAIL
739519.17	1144803.80	4727.27	01/13/2015	4-185-1824	H15010290-026	18	24	7.7		12		1 U		79		16		726		834	PASS
739519.17	1144803.80	4727.27	01/13/2015	4-185-2430	H15010290-027	24	30	7.8		6		1 U		41		15		127		190	PASS
4-185NW																					
739590.77	1144716.63	4727.08	01/13/2015	4-185NW-0006	H15010290-028	0	6	8		364		6		1630		296		1570		3866	FAIL
739590.77	1144716.63	4727.08	01/13/2015	4-185NW-0612	H15010290-029	6	12	7.8		16		1 U		42		9		59		127	PASS
739590.77	1144716.63	4727.08	01/13/2015	4-185NW-1218	H15010290-030	12	18	7.7		16		1 U		38		10		59		124	PASS
4-186																					
739610.26	1145445.87	4726.35	01/27/2015	4-186-0612	H15020121-001	6	12	7.5		641		4		1240		425		1590		3900	FAIL
739610.26	1145445.87	4726.35	01/27/2015	4-186-1218	H15020121-002	12	18	7.7		57		2		605		127		511		1302	PASS
739610.26	1145445.87	4726.35	01/27/2015	4-186-1824	H15020121-003	18	24	7.6		17		1 U		57		23		109		207	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.	ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)		Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			Result (MG/KG)
						Result (MG/KG)	Q	Result (MG/KG)											Q	Result (MG/KG)	
4-187																					
739604.74	1145309.51	4725.30	01/14/2015	4-187-3036	H15010298-007	30	36	7.2		33		5		13500		54		1940		15532	FAIL
739604.74	1145309.51	4725.30	01/14/2015	4-187-3642	H15010298-008	36	42	6.7		9		1		165		15		352		542	PASS
739604.74	1145309.51	4725.30	01/14/2015	4-187-4248	H15010298-009	42	48	6.9		3		1 U		23		8		849		884	PASS
4-188																					
739628.10	1145214.47	4725.71	01/14/2015	4-188-3036	H15010298-010	30	36	7.2		10		27		701		17		6470		7225	FAIL
739628.10	1145214.47	4725.71	01/14/2015	4-188-3642	H15010298-011	36	42	7.1		7		2		1650		11		812		2482	FAIL
739628.10	1145214.47	4725.71	01/14/2015	4-188-4248	H15010298-012	42	48	7.7		31		25		605		13		694		1368	PASS
4-189																					
739604.39	1145055.23	4726.66	01/14/2015	4-189-1218	H15010298-013	12	18	7.6		28		10		2610		23		1830		4501	FAIL
739604.39	1145055.23	4726.66	01/14/2015	4-189-1824	H15010298-014	18	24	7.7		7		1 U		62		19		153		242	PASS
739604.39	1145055.23	4726.66	01/14/2015	4-189-2430	H15010298-015	24	30	7.7		5		1 U		27		23		62		118	PASS
4-190																					
739620.63	1144929.11	4726.06	01/13/2015	4-190-1824	H15010290-031	18	24	7.2		717		12		6340		789		3890		11748	FAIL
739620.63	1144929.11	4726.06	01/13/2015	4-190-2430	H15010290-032	24	30	6.8		126		3		1060		129		1040		2358	FAIL
739620.63	1144929.11	4726.06	01/13/2015	4-190-3036	H15010290-033	30	36	6.5		10		1 U		33		14		148		206	PASS
4-191																					
739625.62	1144807.64	4726.18	01/13/2015	4-191-1824	H15010290-034	18	24	7.8		703		12		4670		625		3010		9020	FAIL
739625.62	1144807.64	4726.18	01/13/2015	4-191-2430	H15010290-035	24	30	7.7		26		1 U		165		34		185		411	PASS
739625.62	1144807.64	4726.18	01/13/2015	4-191-3036	H15010290-036	30	36	7.8		7		1 U		41		26		86		161	PASS
4-191W																					
739655.15	1144687.11	4726.57	01/13/2015	4-191W-0006	H15010290-037	0	6	7.6		103		3		406		87		406		1005	PASS
739655.15	1144687.11	4726.57	01/13/2015	4-191W-0612	H15010290-038	6	12	7.6		31		1 U		107		23		130		292	PASS
4-192																					
739688.09	1145561.92	4724.51	01/27/2015	4-192-0006	H15020121-004	0	6	7.8		190		4		1350		224		1020		2788	FAIL
739688.09	1145561.92	4724.51	01/27/2015	4-192-0612	H15020121-005	6	12	7.6		133		2		756		108		474		1473	FAIL
739688.09	1145561.92	4724.51	01/27/2015	4-192-1218	H15030250-022	12	18	7.6		19 J		1 U		151		26		136		333	PASS
739688.09	1145561.92	4724.51	01/27/2015	4-192-1824	H15030388-004	18	24	7.7		7		1 U		23		10		49		90	PASS
4-193																					
739710.39	1145682.87	4723.52	01/27/2015	4-193-1218	H15020121-006	12	18	7.7		1210		14		9160		839		3200		14423	FAIL
739710.39	1145682.87	4723.52	01/27/2015	4-193-1824	H15020121-007	18	24	7.7		69		4		690		164		769		1696	FAIL
739710.39	1145682.87	4723.52	01/27/2015	4-193-2430	H15020121-008	24	30	7.7		48		1 U		141		27		178		395	PASS
4-193S																					
739597.20	1145630.30	4724.47	01/27/2015	4-193S-0006	H15020121-011	0	6	7.5		723		13		3800		564		2570		7670	FAIL
739597.20	1145630.30	4724.47	01/27/2015	4-193S-0612	H15020121-012	6	12	7.7		213		4		1210		186		844		2457	FAIL
739597.20	1145630.30	4724.47	01/27/2015	4-193S-1218	H15020121-013	12	18	7.6		25		1 U		125		27		131		309	PASS
4-193E																					
739664.14	1145798.55	4724.90	01/27/2015	4-193E-0006	H15020121-009	0	6	7.8		31		1 U		120		20		114		286	PASS
739664.14	1145798.55	4724.90	01/27/2015	4-193E-0612	H15020121-010	6	12	7.8		19		1 U		82		20		103		225	PASS
4-194																					
739723.74	1145441.05	4724.98	01/27/2015	4-194-0006	H15020121-014	0	6	7.5		320		6		1450		299		1360		3435	FAIL
739723.74	1145441.05	4724.98	01/27/2015	4-194-0612	H15020121-015	6	12	7.6		163		2		791		145		583		1684	FAIL
739723.74	1145441.05	4724.98	01/27/2015	4-194-1218	H15020121-016	12	18	7.5		26		1 U		105		25		95		252	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT						pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg		
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG) Q	Result (MG/KG) Q	Result (MG/KG) Q	Result (MG/KG) Q	Result (MG/KG) Q	Result (MG/KG) Q	SUM OF COC (MG/KG)	PASS/FAIL
4-195															
739735.21	1145328.36	4726.18	01/27/2015	4-195-2430	H15020121-018	24	30	7.1	12	6	1490	13	2530	4051	FAIL
739735.21	1145328.36	4726.18	01/27/2015	4-195-3036	H15020121-019	30	36	6.8	8	3	108	10	1050	1179	PASS
739735.21	1145328.36	4726.18	01/27/2015	4-195-3642	H15020121-020	36	42	6.9	21	4	889	14	850	1778	FAIL
739735.21	1145328.36	4726.18	01/27/2015	4-195-4248	H15030250-023	42	48	7.4	49J	3	1130	29	645	1856	FAIL
4-196															
739719.93	1145160.82	4725.27	01/14/2015	4-196-3036	H15010298-016	30	36	7.2	97	13	468	68	3560	4206	FAIL
739719.93	1145160.82	4725.27	01/14/2015	4-196-3642	H15010298-017	36	42	6.8	8	1U	25	20	314	368	PASS
739719.93	1145160.82	4725.27	01/14/2015	4-196-4248	H15010298-018	42	48	7.1	7	1U	25	14	89	136	PASS
4-197															
739753.15	1145076.13	4725.96	01/14/2015	4-197-1218	H15010298-019	12	18	7.7	17	48	14500	17	8980	23562	FAIL
739753.15	1145076.13	4725.96	01/14/2015	4-197-1824	H15010298-020	18	24	7.6	8	1	217	19	956	1201	PASS
739753.15	1145076.13	4725.96	01/14/2015	4-197-2430	H15010298-021	24	30	7.8	10	1U	54	11	456	532	PASS
4-198															
739776.95	1144942.96	4726.00	01/14/2015	4-198-1218	H15010298-022	12	18	7.8	1060	10	6400	847	2930	11247	FAIL
739776.95	1144942.96	4726.00	01/14/2015	4-198-1824	H15010298-023	18	24	7.8	1020	16	9660	1030	3680	15406	FAIL
739776.95	1144942.96	4726.00	01/14/2015	4-198-2430	H15010298-024	24	30	7.8	18	1U	71	29	73	192	PASS
4-199															
739749.86	1144814.61	4726.14	01/13/2015	4-199-0612	H15010290-039	6	12	7.9	377	2	351	344	911	1985	FAIL
739749.86	1144814.61	4726.14	01/13/2015	4-199-1218	H15010290-040	12	18	7.8	7	1U	42	16	87	153	PASS
739749.86	1144814.61	4726.14	01/13/2015	4-199-1824	H15010290-041	18	24	7.6	42	2	358	40	568	1010	PASS
4-200															
739807.93	1145621.03	4723.62	01/15/2015	4-200-3036	H15010302-005	30	36	6.2	29J	6	6080	28J	1270	7413	FAIL
739807.93	1145621.03	4723.62	01/15/2015	4-200-3642	H15010302-006	36	42	6.3	2J	1	31	9J	1250	1293	PASS
739807.93	1145621.03	4723.62	01/15/2015	4-200-4248	H15010302-007	42	48	5.5	5J	1U	24	12J	55	97	PASS
4-201															
739829.15	1145818.90	4724.37	01/26/2015	4-201-0006	H15020120-001	0	6	7.3	27	1U	137	30	156	351	PASS
739829.15	1145818.90	4724.37	01/26/2015	4-201-0612	H15020120-002	6	12	7.9	20	1U	34	13	76	144	PASS
739829.15	1145818.90	4724.37	01/26/2015	4-201-1218	H15020120-003	12	18	7.9	24	1U	39	13	83	160	PASS
4-202															
739849.19	1145325.86	4724.78	01/28/2015	4-202-3642	H15020116-039	36	42	7.4	9J	10	94	15	2880	3008	FAIL
739849.19	1145325.86	4724.78	01/28/2015	4-202-4248	H15020116-040	42	48	6.6	7J	1U	38	12	109	167	PASS
4-203															
739858.37	1145468.75	4725.00	01/15/2015	4-203-2430	H15010302-008	24	30	7.4	9J	5	4130	17J	1270	5431	FAIL
739858.37	1145468.75	4725.00	01/15/2015	4-203-3036	H15010302-009	30	36	7.3	4J	1U	26	9J	59	99	PASS
739858.37	1145468.75	4725.00	01/15/2015	4-203-3642	H15010302-010	36	42	7.5	44J	1	286	28J	203	562	PASS
4-204															
739858.20	1145195.24	4724.14	01/27/2015	4-204-1824	H15020121-021	18	24	6.6	4	3	97	9	1420	1533	FAIL
739858.20	1145195.24	4724.14	01/27/2015	4-204-2430	H15020121-022	24	30	5.6	5	1U	114	9	151	280	PASS
739858.20	1145195.24	4724.14	01/27/2015	4-204-3036	H15020121-023	30	36	7.9	2	1U	26	8	51	88	PASS
4-205															
739862.23	1145069.15	4724.78	01/14/2015	4-205-1218	H15010298-025	12	18	7.2	1870	4	6360	1630	1580	11444	FAIL
739862.23	1145069.15	4724.78	01/14/2015	4-205-1824	H15010298-027	18	24	7.4	142	11	6100	111	1990	8354	FAIL
739862.23	1145069.15	4724.78	01/14/2015	4-205-2430	H15010298-028	24	30	7.2	37	6	208	12	1400	1663	FAIL
739862.23	1145069.15	4724.78	01/14/2015	4-205-3036	H15010298-029	30	36	7.6	20	1	647	8	294	970	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM	COPPER	LEAD	ZINC	SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)		
4-206																
739870.91	1144939.68	4725.38	01/14/2015	4-206-1824	H15010298-030	18	24	7.5		66	18	2600	37	3230	5951	FAIL
739870.91	1144939.68	4725.38	01/14/2015	4-206-2430	H15010298-031	24	30	7.6		42	3	678	33	791	1547	FAIL
739870.91	1144939.68	4725.38	01/14/2015	4-206-3036	H15010298-032	30	36	7.4		14	2	65	12	475	568	PASS
4-206W																
739917.52	1144812.77	4725.61	01/14/2015	4-206W-1218	H15010298-033	12	18	7.8		701	15	7330	617	3010	11673	FAIL
739917.52	1144812.77	4725.61	01/14/2015	4-206W-1824	H15010298-034	18	24	7.8		5	1 U	57	12	84	159	PASS
4-206W2																
739928.92	1144693.48	4725.13	01/14/2015	4-206W2-0006	H15010298-035	0	6	7.7		198	10	1300	285	1430	3223	FAIL
739928.92	1144693.48	4725.13	01/14/2015	4-206W2-0612	H15010298-036	6	12	7.7		30	1 U	188	37	144	400	PASS
4-207																
739888.91	1145704.95	4723.59	01/15/2015	4-207-1824	H15010302-011	18	24	7.6		2120	25 J	18300	1380	4380 J	26205	FAIL
739888.91	1145704.95	4723.59	01/15/2015	4-207-2430	H15010302-012	24	30	6.9		44	1 J	149	27	1940 J	2161	FAIL
739888.91	1145704.95	4723.59	01/15/2015	4-207-3036	H15010302-013	30	36	6.2		7 J	1 U	32	11 J	96	147	PASS
4-208																
739954.98	1145870.32	4723.77	01/26/2015	4-208-1218	H15020120-005	12	18	7.8		336	3	1330	343	1130	3142	FAIL
739954.98	1145870.32	4723.77	01/26/2015	4-208-1824	H15020120-006	18	24	7.8		12	1 U	70	18	94	195	PASS
739954.98	1145870.32	4723.77	01/26/2015	4-208-2430	H15020120-007	24	30	7.7		5	1 U	32	12	67	117	PASS
4-208E																
739912.89	1145985.71	4723.39	01/27/2015	4-208E-0612	H15020121-024	6	12	7.8		404	6	2450	354	1970	5184	FAIL
739912.89	1145985.71	4723.39	01/27/2015	4-208E-1218	H15020121-025	12	18	7.8		200	4	1330	184	1120	2838	FAIL
739912.89	1145985.71	4723.39	01/27/2015	4-208E-1824	H15020121-027	18	24	6.5		12	1 U	50	13	79	155	PASS
4-209																
739966.90	1145575.52	4723.53	01/15/2015	4-209-1218	H15010302-014	12	18	7.3		1290	9 J	8280	1030	2660 J	13269	FAIL
739966.90	1145575.52	4723.53	01/15/2015	4-209-1824	H15010302-015	18	24	7.1		37	6 J	823	41	1290 J	2197	FAIL
739966.90	1145575.52	4723.53	01/15/2015	4-209-2430	H15010302-016	24	30	7.1		4 J	1 U	17	8 J	59	89	PASS
4-210																
739970.88	1145450.12	4724.53	01/15/2015	4-210-3036	H15010302-017	30	36	7.3		8 J	4	74	10 J	1520	1616	FAIL
739970.88	1145450.12	4724.53	01/15/2015	4-210-3642	H15010302-018	36	42	7		5 J	1 U	17	9 J	58	90	PASS
739970.88	1145450.12	4724.53	01/15/2015	4-210-4248	H15010302-019	42	48	6.7		3	1 UJ	16	9	1 UJ	30	PASS
4-211																
739984.50	1145313.00	4724.39	01/28/2015	4-211-1824	H15020116-041	18	24	5.9		134 J	5	18400	312	2400	21251	FAIL
739984.50	1145313.00	4724.39	01/28/2015	4-211-2430	H15020116-042	24	30	7.1		5 J	5	197	8	931	1146	PASS
739984.50	1145313.00	4724.39	01/28/2015	4-211-3036	H15020116-043	30	36	7.1		6 J	4	1870	10	415	2305	FAIL
739984.50	1145313.00	4724.39	01/28/2015	4-211-3642	H15030250-016	36	42	6.9		6	14	1990	14	1570	3594	FAIL
739984.50	1145313.00	4724.39	01/28/2015	4-211-4248	H15030250-017	42	48	7.6		3	1	810	10	206	1030	PASS
4-212																
739981.68	1145216.98	4725.15	01/28/2015	4-212-3642	H15020116-044	36	42	6.6		388 J	10	5360	313	2950	9021	FAIL
739981.68	1145216.98	4725.15	01/28/2015	4-212-4248	H15020116-045	42	48	7.2		136 J	30	1930	180	4560	6836	FAIL
4-213																
739989.25	1145071.38	4724.31	01/14/2015	4-213-1218	H15030250-005	12	18	7.9		346	7	2080	318	2740	5491	FAIL
739989.25	1145071.38	4724.31	01/14/2015	4-213-1824	H15030250-006	18	24	7.6		18	1 U	47	15	142	223	PASS
739989.25	1145071.38	4724.31	01/14/2015	4-213-2430	H15010298-039	24	30	7.8		8	1 U	22	8	51	90	PASS
4-214																
739994.18	1144951.43	4724.67	01/14/2015	4-214-3036	H15010298-040	30	36	7.6		170	7	1980	380	1210	3747	FAIL
739994.18	1144951.43	4724.67	01/14/2015	4-214-3642	H15010298-041	36	42	7		6	1 U	34	22	64	127	PASS
739994.18	1144951.43	4724.67	01/14/2015	4-214-4248	H15010298-042	42	48	7		10	1 U	47	24	80	162	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-214W																					
740059.78	1144844.61	4724.25	01/14/2015	4-214W-0006	H15030388-003	0	6	7.7		590		8		3200		542		2600		6940	FAIL
740059.78	1144844.61	4724.25	01/14/2015	4-214W-0612	H15010298-043	6	12	7.7		24		2		353		68		440		887	PASS
740059.78	1144844.61	4724.25	01/14/2015	4-214W-1218	H15010298-044	12	18	7.3		7		1 U		46		24		81		159	PASS
740059.78	1144844.61	4724.25	01/14/2015	4-214W-1824	H15010298-045	18	24	7		3		1 U		49		27		110		190	PASS
4-215																					
740005.12	1145679.44	4723.11	01/15/2015	4-215-1218	H15010302-020	12	18	6.8		69 J		10 J		12800		155		1670 J		14704	FAIL
740005.12	1145679.44	4723.11	01/15/2015	4-215-1824	H15010302-022	18	24	7		17 J		7 J		3200		18		1180 J		4422	FAIL
740005.12	1145679.44	4723.11	01/15/2015	4-215-2430	H15010302-023	24	30	7.1		70 J		4 J		3380		59		867 J		4380	FAIL
740005.12	1145679.44	4723.11	01/15/2015	4-215-3036	H15010302-024	30	36	7.4		17 J		4 J		3570		13		736 J		4340	FAIL
740005.12	1145679.44	4723.11	01/15/2015	4-215-3642	H15030250-003	36	42	7.3		6		4		1610		12		1020		2652	FAIL
740005.12	1145679.44	4723.11	01/15/2015	4-215-4248	H15030250-004	42	48	7.4		6		1 U		1670		10		290		1977	FAIL
4-216																					
739986.83	1146098.24	4722.76	01/26/2015	4-216-0612	H15020120-008	6	12	7.9		329		6		2080		308		1610		4333	FAIL
739986.83	1146098.24	4722.76	01/26/2015	4-216-1218	H15020120-009	12	18	8		186		5		1380		170		1170		2911	FAIL
739986.83	1146098.24	4722.76	01/26/2015	4-216-1824	H15020120-010	18	24	7.9		85		2		603		88		472		1250	PASS
4-217																					
740032.64	1145769.88	4723.23	01/15/2015	4-217-3642	H15010302-025	36	42	7.2		435 J		6 J		2630		281		1540 J		4892	FAIL
740032.64	1145769.88	4723.23	01/15/2015	4-217-4248	H15010302-026	42	48	7.2		1390 J		17 J		9630		646		2570 J		14253	FAIL
4-218																					
740074.69	1145955.58	4722.91	01/26/2015	4-218-1218	H15020120-011	12	18	7.6		609		19		5800		513		4080		11021	FAIL
740074.69	1145955.58	4722.91	01/26/2015	4-218-1824	H15020120-012	18	24	7.7		28		1		209		38		578		854	PASS
740074.69	1145955.58	4722.91	01/26/2015	4-218-2430	H15020120-013	24	30	7.8		8		1 U		45		12		72		138	PASS
4-219																					
740091.27	1145827.64	4723.15	01/26/2015	4-219-1824	H15020120-014	18	24	7.6		40		34		1780		34		6160		8048	FAIL
740091.27	1145827.64	4723.15	01/26/2015	4-219-2430	H15020120-015	24	30	7.2		8		1 U		31		13		83		136	PASS
740091.27	1145827.64	4723.15	01/26/2015	4-219-3036	H15020120-016	30	36	7.1		5		1 U		21		11		144		182	PASS
4-220																					
740091.39	1145583.31	4723.65	01/15/2015	4-220-1218	H15010302-027	12	18	7.7		116 J		2 J		677		91		482 J		1368	PASS
740091.39	1145583.31	4723.65	01/15/2015	4-220-1824	H15010302-028	18	24	7.8		6		1 UJ		29		13		55 J		104	PASS
740091.39	1145583.31	4723.65	01/15/2015	4-220-2430	H15010302-029	24	30	7.8		7		1 UJ		31		15		61 J		115	PASS
4-221																					
740093.44	1145458.00	4722.92	01/15/2015	4-221-1824	H15010302-030	18	24	6.6		10		9 J		726		16		2070 J		2831	FAIL
740093.44	1145458.00	4722.92	01/15/2015	4-221-2430	H15010302-031	24	30	6.5		8		1 UJ		38		13		173 J		233	PASS
740093.44	1145458.00	4722.92	01/15/2015	4-221-3036	H15010302-032	30	36	6.4		5		1 UJ		27		11		152 J		196	PASS
4-222																					
740105.38	1145328.75	4724.14	01/15/2015	4-222-1824	H15010302-033	18	24	6.4		12		10 J		1910		22		2020 J		3974	FAIL
740105.38	1145328.75	4724.14	01/15/2015	4-222-2430	H15010302-034	24	30	7		27 J		9 J		767		38		1470 J		2311	FAIL
740105.38	1145328.75	4724.14	01/15/2015	4-222-3036	H15010302-035	30	36	7.3		9		5 J		150		18		785 J		967	PASS
4-223																					
740114.68	1145186.69	4724.42	01/15/2015	4-223-2430	H15010302-036	24	30	7.4		7		15 J		864		16		2520 J		3422	FAIL
740114.68	1145186.69	4724.42	01/15/2015	4-223-3036	H15010302-037	30	36	7.3		7		5		48		13		1660		1733	FAIL
740114.68	1145186.69	4724.42	01/15/2015	4-223-3642	H15010302-038	36	42	7.3		7		2		71		13		760		853	PASS
4-224																					
740108.07	1145098.38	4724.32	01/14/2015	4-224-2430	H15010298-046	24	30	7.6		1420		12		9160		688		3010		14290	FAIL
740108.07	1145098.38	4724.32	01/14/2015	4-224-3036	H15010298-047	30	36	7.7		216		5		2420		694		1420		4755	FAIL
740108.07	1145098.38	4724.32	01/14/2015	4-224-3642	H15010298-048	36	42	7.4		10		1 U		47		19		84		161	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT							pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg			
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL	
4-224W																						
740166.37	1144994.39	4723.23	01/14/2015	4-224W-1218	H15010298-049	12	18	7.1		785		7		11700		1930		2730		17152	FAIL	
740166.37	1144994.39	4723.23	01/14/2015	4-224W-1824	H15010298-050	18	24	7.1		25		1	U	216		51		518		811	PASS	
4-224W2																						
740249.20	1144900.30	4723.80	01/14/2015	4-224W2-0612	H15010298-051	6	12	7.9		375		6		3100		487		1730		5698	FAIL	
740249.20	1144900.30	4723.80	01/14/2015	4-224W2-1218	H15010298-052	12	18	7.5		14		1	U	80		17		123		235	PASS	
740249.20	1144900.30	4723.80	01/14/2015	4-224W2-1824	H15010298-053	18	24	7.5		9		1	U	29		13		56		108	PASS	
4-225																						
740130.39	1146124.82	4723.43	01/26/2015	4-225-0006	H15020120-017	0	6	7.7		39		1	U	75		23		116		254	PASS	
740130.39	1146124.82	4723.43	01/26/2015	4-225-0612	H15020120-018	6	12	8.1		40		1	U	37		10		72		160	PASS	
4-226																						
740200.81	1145957.20	4721.96	01/26/2015	4-226-3642	H15020120-019	36	42	7.1		272		6		1250		274		1700		3502	FAIL	
740200.81	1145957.20	4721.96	01/26/2015	4-226-4248	H15020120-020	42	48	7.1		7		1	U	47		20		114		189	PASS	
740200.81	1145957.20	4721.96	01/26/2015	4-226-4854	H15020120-021	48	54	7.4		6		1	U	23		11		66		107	PASS	
4-227																						
740203.78	1145757.11	4723.02	01/26/2015	4-227-2430	H15020120-022	24	30	7.2		6		1		1850		10		221		2088	FAIL	
740203.78	1145757.11	4723.02	01/26/2015	4-227-3036	H15020120-023	30	36	7.1		5		2		1600		8		354		1969	FAIL	
740203.78	1145757.11	4723.02	01/26/2015	4-227-3642	H15020120-024	36	42	6.7		26	J	2		1580		20		237		1865	FAIL	
740203.78	1145757.11	4723.02	01/26/2015	4-227-4248	H15030250-018	42	48	6.4		66		1		271		19		179		536	PASS	
4-228																						
740216.79	1145584.43	4723.37	01/15/2015	4-228-0006	H15010302-039	0	6	7.5		387	J	7		1710		325		1590		4019	FAIL	
740216.79	1145584.43	4723.37	01/15/2015	4-228-0612	H15010302-040	6	12	7.7		405	J	7		1890		346		1650		4298	FAIL	
740216.79	1145584.43	4723.37	01/15/2015	4-228-1218	H15010302-041	12	18	8.1		54		1	U	145		29		145		374	PASS	
4-229																						
740222.98	1145460.95	4722.85	01/15/2015	4-229-1218	H15010302-042	12	18	7.1		184	J	8		5120		310		1280		6902	FAIL	
740222.98	1145460.95	4722.85	01/15/2015	4-229-1824	H15010302-044	18	24	7		37		3		505		36		603		1184	PASS	
740222.98	1145460.95	4722.85	01/15/2015	4-229-2430	H15010302-045	24	30	6.8		12		1	U	119		24		334		490	PASS	
4-230																						
740226.35	1145396.66	4723.34	01/15/2015	4-230-3036	H15010302-046	30	36	5.7		1440	J	4		6380		1600		2180		11604	FAIL	
740226.35	1145396.66	4723.34	01/15/2015	4-230-3642	H15010302-047	36	42	6.5		8		5		828		14		1130		1985	FAIL	
740226.35	1145396.66	4723.34	01/15/2015	4-230-4248	H15010302-048	42	48	6.2		10		1	U	51		13		71		146	PASS	
4-231																						
740230.56	1145202.37	4723.67	01/15/2015	4-231-2430	H15010302-049	24	30	7.5		1870	J	16		13900		903		3750		20439	FAIL	
740230.56	1145202.37	4723.67	01/15/2015	4-231-3036	H15010302-050	30	36	7.5		59	J	2		333		33		645		1072	PASS	
740230.56	1145202.37	4723.67	01/15/2015	4-231-3642	H15010302-055	36	42	7.4		8		1	U	39		14		61		123	PASS	
740230.56	1145202.37	4723.67	01/15/2015	4-231-4248	H15010302-051	42	48	7.7		29		1	U	152		35		112		329	PASS	
4-231W																						
740341.57	1145128.61	4723.16	01/15/2015	4-231W-1218	H15010302-052	12	18	7.7		691	J	23		8790		910		5220		15634	FAIL	
740341.57	1145128.61	4723.16	01/15/2015	4-231W-1824	H15010302-053	18	24	7.7		23		1	U	58		23		399		504	PASS	
740341.57	1145128.61	4723.16	01/15/2015	4-231W-2430	H15010302-054	24	30	7.2		7		1	U	21		12		63		104	PASS	
4-231W2																						
740419.98	1145041.26	4723.19	01/19/2015	4-231W2-0006	H15010409-001	0	6	7.8		764		8		3950		616		2550		7888	FAIL	
740419.98	1145041.26	4723.19	01/19/2015	4-231W2-0612	H15010409-002	6	12	7.8		146		2		712		113		546		1519	FAIL	
740419.98	1145041.26	4723.19	01/19/2015	4-231W2-1218	H15010409-003	12	18	7.6		7		1	U	55		25		90		178	PASS	

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			
4-232																						
	740236.80	1146083.95	4722.07	01/19/2015	4-232-0612	H15010409-004	6	12	7.3		822		7		9460		1450		2410		14149	FAIL
	740236.80	1146083.95	4722.07	01/19/2015	4-232-1218	H15010409-005	12	18	7.9		9		1 U		45		13		52		120	PASS
	740236.80	1146083.95	4722.07	01/19/2015	4-232-1824	H15010409-006	18	24	7.6		3		1 U		15		10		40		69	PASS
4-233																						
	740260.93	1145848.53	4722.69	01/26/2015	4-233-1218	H15020120-025	12	18	4.6		1460 J		5		3790		1250		2030		8535	FAIL
	740260.93	1145848.53	4722.69	01/26/2015	4-233-1824	H15020120-026	18	24	6.7		66 J		2		2920		52		296		3336	FAIL
	740260.93	1145848.53	4722.69	01/26/2015	4-233-2430	H15020120-027	24	30	7		12		2		2890		12		266		3182	FAIL
	740260.93	1145848.53	4722.69	01/26/2015	4-233-3036	H15030250-019	30	36	7.2		14 J		1		1800		11		231		2057	FAIL
	740260.93	1145848.53	4722.69	01/26/2015	4-233-3642	H15030250-020	36	42	7.2		39 J		4		2960		23		781		3807	FAIL
	740260.93	1145848.53	4722.69	01/26/2015	4-233-4248	H15040057-008	42	48	7.1		36 J		1 U		516		28		237		818	PASS
4-234																						
	740308.81	1146339.93	4721.70	01/26/2015	4-234-1218	H15020120-028	12	18	7.6		505 J		8		4870		671		2230		8284	FAIL
	740308.81	1146339.93	4721.70	01/26/2015	4-234-1824	H15020120-029	18	24	7.8		56 J		1		503		67		393		1020	PASS
	740308.81	1146339.93	4721.70	01/26/2015	4-234-2430	H15020120-030	24	30	7.9		8		1 U		46		13		106		174	PASS
4-234E																						
	740275.63	1146450.41	4721.79	01/26/2015	4-234E-0612	H15020120-031	6	12	7.8		290 J		5		2220		321		1630		4466	FAIL
	740275.63	1146450.41	4721.79	01/26/2015	4-234E-1218	H15020120-032	12	18	7.6		202 J		3		766		84		869		1924	FAIL
	740275.63	1146450.41	4721.79	01/26/2015	4-234E-1824	H15020120-033	18	24	7.5		34 J		1 U		47		18		83		183	PASS
4-234S																						
	740189.23	1146310.27	4723.13	01/26/2015	4-234S-0006	H15020120-034	0	6	7.8		18		1 U		41		14		61		135	PASS
	740189.23	1146310.27	4723.13	01/26/2015	4-234S-0612	H15020120-035	6	12	7.7		76 J		2		211		57		229		575	PASS
	740189.23	1146310.27	4723.13	01/26/2015	4-234S-1218	H15020120-036	12	18	7.6		7		1 U		37		12		71		128	PASS
4-235																						
	740314.64	1146214.26	4721.74	01/19/2015	4-235-3036	H15010409-007	30	36	6.1		2		1 U		19		10		52		84	PASS
	740314.64	1146214.26	4721.74	01/19/2015	4-235-3642	H15010409-008	36	42	6.5		3		1 U		16		9		48		77	PASS
	740314.64	1146214.26	4721.74	01/19/2015	4-235-4248	H15010409-009	42	48	6.1		33		1		435		30		2080		2579	FAIL
4-236																						
	740319.24	1146090.12	4720.89	01/16/2015	4-236-1824	H15010289-001	18	24	6.6		441		3		6630		830		1150		9054	FAIL
	740319.24	1146090.12	4720.89	01/16/2015	4-236-2430	H15010289-002	24	30	7		12		2		2270		18		487		2789	FAIL
	740319.24	1146090.12	4720.89	01/16/2015	4-236-3036	H15010289-003	30	36	7.2		8		12		3260		13		1210		4503	FAIL
	740319.24	1146090.12	4720.89	01/16/2015	4-236-4248	H15020270-025	42	48	7.4		7		1 UJ		1660		9		219		1896	FAIL
4-237																						
	740334.78	1145977.95	4721.83	01/16/2015	4-237-1824	H15010289-004	18	24	7.6		14		11		1170		26		2010		3231	FAIL
	740334.78	1145977.95	4721.83	01/16/2015	4-237-2430	H15010289-005	24	30	7.5		8		1 U		807		8		246		1070	PASS
	740334.78	1145977.95	4721.83	01/16/2015	4-237-3036	H15010289-006	30	36	7.2		4		1 U		85		6		184		280	PASS
4-238																						
	740316.03	1145838.45	4722.85	01/26/2015	4-238-1824	H15020120-038	18	24	5.2		1160		4		3340		1630		2430		8564	FAIL
	740316.03	1145838.45	4722.85	01/26/2015	4-238-2430	H15020120-039	24	30	5		8		1		1520		14		242		1785	FAIL
	740316.03	1145838.45	4722.85	01/26/2015	4-238-3036	H15020120-040	30	36	5.1		3		1		735		6		168		913	PASS
	740316.03	1145838.45	4722.85	01/26/2015	4-238-3642	H15020120-041	36	42	5.3		4		3		1240		9		297		1553	FAIL
	740316.03	1145838.45	4722.85	01/26/2015	4-238-4248	H15030250-021	42	48	7.1		25 J		3		1160		29		280		1497	FAIL
4-239																						
	740341.26	1145592.83	4722.69	01/16/2015	4-239-2430	H15010289-007	24	30	7.4		1980		12		21400		1430		3780		28602	FAIL
	740341.26	1145592.83	4722.69	01/16/2015	4-239-3036	H15010289-008	30	36	7.6		19		1 U		93		13		676		802	PASS
	740341.26	1145592.83	4722.69	01/16/2015	4-239-3642	H15010289-009	36	42	7.2		5		1 U		18		7		45		76	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

		CHEMICAL_NAME REPORT_RESULT_UNIT					pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg				
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL
4-240																					
740347.68	1145466.64	4722.82	01/19/2015	4-240-2430	H15010409-010	24	30	7.4		161		7		2340		437		1640		4585	FAIL
740347.68	1145466.64	4722.82	01/19/2015	4-240-3036	H15010409-011	30	36	7.3		4		1 U		29		14		65		113	PASS
740347.68	1145466.64	4722.82	01/19/2015	4-240-3642	H15010409-012	36	42	7.4		13		1 U		88		24		147		273	PASS
4-241																					
740349.73	1145685.17	4722.32	01/16/2015	4-241-3036	H15010289-010	30	36	7.1		17		2		2010		11		1090		3130	FAIL
740349.73	1145685.17	4722.32	01/16/2015	4-241-3642	H15010289-011	36	42	7.3		20		2		1370		19		961		2372	FAIL
740349.73	1145685.17	4722.32	01/16/2015	4-241-4248	H15010289-012	42	48	7.4		70		2		506		20		1460		2058	FAIL
4-242																					
740352.67	1145342.16	4723.08	01/19/2015	4-242-1218	H15010409-013	12	18	7.6		1150		17		11000		1180		4680		18027	FAIL
740352.67	1145342.16	4723.08	01/19/2015	4-242-1824	H15010409-014	18	24	7.7		12		1 U		101		25		288		427	PASS
4-243																					
740361.22	1145215.99	4723.29	01/19/2015	4-243-1824	H15010409-016	18	24	7.7		847 J		14 J		8940		1050		3670		14521	FAIL
740361.22	1145215.99	4723.29	01/19/2015	4-243-2430	H15010409-017	24	30	7.5		7		1 U		56		18		161		243	PASS
740361.22	1145215.99	4723.29	01/19/2015	4-243-3036	H15010409-018	30	36	7.3		9		1 U		49		13		133		205	PASS
4-244																					
740382.78	1146084.41	4721.07	01/16/2015	4-244-3642	H15010289-014	36	42	7.8		10		2		5650		12		691		6365	FAIL
740382.78	1146084.41	4721.07	01/16/2015	4-244-4248	H15010289-013	42	48	7.1		126		4		10700		105		1240		12175	FAIL
4-245																					
740409.80	1146360.68	4721.14	01/26/2015	4-245-0006	H15020120-042	0	6	7.1		937		6		3180		569		2190		6882	FAIL
740409.80	1146360.68	4721.14	01/26/2015	4-245-0612	H15020120-043	6	12	7.6		111		6		946		193		1830		3086	FAIL
740409.80	1146360.68	4721.14	01/26/2015	4-245-1218	H15020120-044	12	18	8.1		15		1 U		86		16		116		234	PASS
4-246																					
740439.23	1146221.13	4721.56	01/19/2015	4-246-4854	H15010409-019	48	54	6.6		196		11		3200		138		3470		7015	FAIL
740439.23	1146221.13	4721.56	01/19/2015	4-246-5460	H15010409-020	54	60	7.3		51		5		564		65		836		1521	FAIL
4-247																					
740450.94	1145972.28	4721.34	01/16/2015	4-247-3642	H15010289-015	36	42	5.7		21		6		6550		40		1030		7647	FAIL
740450.94	1145972.28	4721.34	01/16/2015	4-247-4248	H15010289-016	42	48	7		4		1 U		33		13		69		120	PASS
740450.94	1145972.28	4721.34	01/16/2015	4-247-4854	H15010289-017	48	54	7.2		3		1 U		19		14		55		92	PASS
4-248																					
740456.90	1145846.38	4722.36	01/16/2015	4-248-3036	H15010289-018	30	36	7		12		8		943		27		1830		2820	FAIL
740456.90	1145846.38	4722.36	01/16/2015	4-248-3642	H15010289-019	36	42	7.4		4		2		66		14		327		413	PASS
740456.90	1145846.38	4722.36	01/16/2015	4-248-4248	H15010289-020	42	48	7.4		4		1 U		31		14		84		134	PASS
4-249																					
740461.47	1145720.83	4722.41	01/16/2015	4-249-3036	H15010289-021	30	36	5.7		39		11		8910		46		1400		10406	FAIL
740461.47	1145720.83	4722.41	01/16/2015	4-249-3642	H15010289-022	36	42	6.9		5		4		1210		13		697		1929	FAIL
740461.47	1145720.83	4722.41	01/16/2015	4-249-4248	H15010289-023	42	48	7.5		4		1 U		29		12		480		526	PASS
4-250																					
740470.00	1145594.33	4721.55	01/16/2015	4-250-3036	H15010289-024	30	36	7.8		1070		13		10100		839		3540		15562	FAIL
740470.00	1145594.33	4721.55	01/16/2015	4-250-3642	H15010289-025	36	42	7.6		13		1 U		52		17		84		167	PASS
740470.00	1145594.33	4721.55	01/16/2015	4-250-4248	H15010289-026	42	48	7.9		5		1 U		21		5		50		82	PASS
4-251																					
740467.49	1145472.07	4721.34	01/19/2015	4-251-1824	H15010409-021	18	24	7.4		1610		19		7380		1070		4580		14659	FAIL
740467.49	1145472.07	4721.34	01/19/2015	4-251-2430	H15010409-022	24	30	6.5		25		1 U		71		19		103		219	PASS
740467.49	1145472.07	4721.34	01/19/2015	4-251-3036	H15010409-023	30	36	5.8		15		1 U		55		14		88		173	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM		COPPER		LEAD		ZINC		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-252																					
740477.90	1145346.94	4721.55	01/19/2015	4-252-1824	H15010409-024	18	24	7.6		406		6	2270		356		2040		5078	FAIL	
740477.90	1145346.94	4721.55	01/19/2015	4-252-2430	H15010409-025	24	30	6.4		27		3	168		22		1200		1420	FAIL	
740477.90	1145346.94	4721.55	01/19/2015	4-252-3036	H15010409-026	30	36	7.2		17		1 U	66		24		166		274	PASS	
4-253																					
740477.28	1145261.43	4722.82	01/19/2015	4-253-0006	H15010409-027	0	6	7.6		541		7	3340		451		2270		6609	FAIL	
740477.28	1145261.43	4722.82	01/19/2015	4-253-0612	H15010409-028	6	12	7.7		50		1	346		71		321		789	PASS	
740477.28	1145261.43	4722.82	01/19/2015	4-253-1218	H15010409-029	12	18	7.7		16		1 U	30		11		56		114	PASS	
4-254																					
740559.57	1146465.09	4721.59	01/26/2015	4-254-1218	H15020120-045	12	18	7.2		494		7	2970		344		2200		6015	FAIL	
740559.57	1146465.09	4721.59	01/26/2015	4-254-1824	H15020120-046	18	24	7.7		96		4	500		48		956		1604	FAIL	
740559.57	1146465.09	4721.59	01/26/2015	4-254-2430	H15020120-047	24	30	7.6		20		1 U	57		14		105		197	PASS	
4-254E																					
740552.86	1146587.92	4720.58	01/26/2015	4-254E-0612	H15020120-048	6	12	7.6		612		9	3960		654		2330		7565	FAIL	
740552.86	1146587.92	4720.58	01/26/2015	4-254E-1218	H15020120-049	12	18	7.8		117		3	1080		160		675		2035	FAIL	
740552.86	1146587.92	4720.58	01/26/2015	4-254E-1824	H15020120-050	18	24	7.6		20		1 U	71		15		101		208	PASS	
4-255																					
740571.35	1146350.51	4720.45	01/27/2015	4-255-3642	H15020121-028	36	42	7.2		169		7	1680		149		2360		4365	FAIL	
740571.35	1146350.51	4720.45	01/27/2015	4-255-4248	H15020121-029	42	48	6.6		311		8	2410		229		1930		4888	FAIL	
4-256																					
740562.06	1146223.26	4721.45	01/27/2015	4-256-1218	H15020121-030	12	18	6		37		4	878		31		458		1408	FAIL	
740562.06	1146223.26	4721.45	01/27/2015	4-256-1824	H15020121-031	18	24	6.7		7		3	36		15		1230		1291	PASS	
740562.06	1146223.26	4721.45	01/27/2015	4-256-2430	H15020121-032	24	30	7		10		2	152		18		898		1080	PASS	
4-257																					
740588.54	1146094.06	4721.59	01/27/2015	4-257-0612	H15020121-033	6	12	7.7		297		5	1700		301		946		3249	FAIL	
740588.54	1146094.06	4721.59	01/27/2015	4-257-1218	H15020121-034	12	18	7.7		58		1	313		52		265		689	PASS	
740588.54	1146094.06	4721.59	01/27/2015	4-257-1824	H15020121-035	18	24	7.8		23		1 U	71		16		100		211	PASS	
4-258																					
740597.36	1145988.61	4721.47	01/27/2015	4-258-3642	H15020121-036	36	42	6.2		262		9	1670		441		2200		4582	FAIL	
740597.36	1145988.61	4721.47	01/27/2015	4-258-4248	H15020121-037	42	48	5.9		15		1 U	56		29		101		202	PASS	
740597.36	1145988.61	4721.47	01/27/2015	4-258-4854	H15020121-038	48	54	4.7		25		1 U	55		11		174		266	PASS	
4-259																					
740581.54	1145849.99	4720.67	01/16/2015	4-259-2430	H15010289-027	24	30	5.2		15		3	3040		17		494		3569	FAIL	
740581.54	1145849.99	4720.67	01/16/2015	4-259-3036	H15010289-028	30	36	6.1		6		2	2860		9		324		3201	FAIL	
740581.54	1145849.99	4720.67	01/16/2015	4-259-3642	H15010289-029	36	42	7.1		4		2	2590		7		306		2909	FAIL	
740581.54	1145849.99	4720.67	01/16/2015	4-259-4248	H15020270-024	42	48	7.7		3		1 UJ	475		8		379		866	PASS	
4-260																					
740585.65	1145726.44	4720.99	01/16/2015	4-260-1218	H15010289-030	12	18	7.8		25		5	613		23		1260		1926	FAIL	
740585.65	1145726.44	4720.99	01/16/2015	4-260-1824	H15010289-031	18	24	7.6		6		1 U	44		11		161		223	PASS	
740585.65	1145726.44	4720.99	01/16/2015	4-260-2430	H15010289-032	24	30	7.6		3		1 U	23		8		109		144	PASS	
4-261																					
740578.77	1145595.28	4720.74	01/19/2015	4-261-0612	H15010409-030	6	12	7.7		442		6	3030		453		1710		5641	FAIL	
740578.77	1145595.28	4720.74	01/19/2015	4-261-1218	H15010409-031	12	18	7.5		14		1 U	104		19		120		258	PASS	
740578.77	1145595.28	4720.74	01/19/2015	4-261-1824	H15010409-032	18	24	7.3		20		1 U	115		33		141		310	PASS	

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

			CHEMICAL_NAME REPORT_RESULT_UNIT				pH, sat. paste S.U.	ARSENIC mg/kg	CADMIUM mg/kg	COPPER mg/kg	LEAD mg/kg	ZINC mg/kg								
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	SUM OF COC (MG/KG)	PASS/FAIL	
4-262																				
740594.16	1145477.50	4720.50	01/19/2015	4-262-0612	H15010409-033	6	12	7.8		535		5		1970		449		1300	4259	FAIL
740594.16	1145477.50	4720.50	01/19/2015	4-262-1218	H15010409-034	12	18	7.2		11		1 U		47		15		61	135	PASS
740594.16	1145477.50	4720.50	01/19/2015	4-262-1824	H15010409-035	18	24	7.3		5 J		1 U		16		9		38	69	PASS
4-263																				
740601.59	1145353.23	4721.73	01/19/2015	4-263-0006	H15030388-009	0	6	7.6		474		7		2510		396		2160	5547	FAIL
740601.59	1145353.23	4721.73	01/19/2015	4-263-0612	H15030388-010	6	12	7.7		697		10		4600		664		2780	8751	FAIL
740601.59	1145353.23	4721.73	01/19/2015	4-263-1218	H15010409-036	12	18	7.7		46 J		1 U		327		57 J		286	717	PASS
740601.59	1145353.23	4721.73	01/19/2015	4-263-1824	H15010409-037	18	24	7.6		6 J		1 U		44		19		91	161	PASS
740601.59	1145353.23	4721.73	01/19/2015	4-263-2430	H15010409-038	24	30	7.5		13 J		1 U		84		27		114	239	PASS
4-263W																				
740632.28	1145228.87	4722.65	01/19/2015	4-263W-0612	H15010409-039	6	12	7.7		289 J		4		1600		273 J		1300	3466	FAIL
740632.28	1145228.87	4722.65	01/19/2015	4-263W-1218	H15010409-040	12	18	7.9		11 J		1 U		45		18		76	151	PASS
740632.28	1145228.87	4722.65	01/19/2015	4-263W-1824	H15010409-041	18	24	7.9		8 J		1 U		37		13		64	123	PASS
4-264																				
740682.05	1146356.28	4720.36	01/26/2015	4-264-0612	H15020120-051	6	12	7.6		687		10		7080		1340		2710	11827	FAIL
740682.05	1146356.28	4720.36	01/26/2015	4-264-1218	H15020120-052	12	18	7.6		18		1 U		118		19		104	260	PASS
740682.05	1146356.28	4720.36	01/26/2015	4-264-1824	H15020120-054	18	24	7.9		25		1 U		166		28		124	344	PASS
4-264E																				
740658.96	1146479.51	4720.55	01/26/2015	4-264E-0006	H15020120-055	0	6	7.8		462		6		2480		356		1940	5244	FAIL
740658.96	1146479.51	4720.55	01/26/2015	4-264E-0612	H15020120-056	6	12	7.8		219		3		1570		193		903	2888	FAIL
740658.96	1146479.51	4720.55	01/26/2015	4-264E-1218	H15020120-057	12	18	8.1		14		1 U		81		17		88	201	PASS
4-265																				
740686.07	1146229.23	4719.70	01/26/2015	4-265-1218	H15020120-058	12	18	7.1		528		7		6670		1030		2200	10435	FAIL
740686.07	1146229.23	4719.70	01/26/2015	4-265-1824	H15020120-059	18	24	7.4		20		1 U		105		93		223	442	PASS
740686.07	1146229.23	4719.70	01/26/2015	4-265-2430	H15020120-060	24	30	7.3		13		1 U		50		26		170	260	PASS
4-266																				
740690.21	1146117.84	4719.60	01/27/2015	4-266-1824	H15020121-039	18	24	7.3		8		27		4680		16		5300	10031	FAIL
740690.21	1146117.84	4719.60	01/27/2015	4-266-2430	H15020121-040	24	30	7.5		8		1 U		71		10		182	272	PASS
740690.21	1146117.84	4719.60	01/27/2015	4-266-3036	H15020121-041	30	36	6.6		5		1 U		19		10		49	84	PASS
4-267																				
740697.64	1145990.98	4721.03	01/27/2015	4-267-0006	H15020121-042	0	6	5.2		1540		3		3240		1270		1410	7463	FAIL
740697.64	1145990.98	4721.03	01/27/2015	4-267-0612	H15020121-043	6	12	7.5		55		2		517		66		557	1197	PASS
740697.64	1145990.98	4721.03	01/27/2015	4-267-1218	H15020121-044	12	18	7.6		12		1 U		63		13		108	197	PASS
4-268																				
740703.27	1145858.38	4720.86	01/21/2015	4-268-1824	H15010408-001	18	24	7		10 J		14		216		17		5820	6077	FAIL
740703.27	1145858.38	4720.86	01/21/2015	4-268-2430	H15010408-003	24	30	6.5		6 J		4		76		10		1140	1236	PASS
740703.27	1145858.38	4720.86	01/21/2015	4-268-3036	H15010408-004	30	36	7		10 J		3		1170		14		367	1564	FAIL
740703.27	1145858.38	4720.86	01/21/2015	4-268-3642	H15030388-014	36	42	7		6		3		1760		8		247	2024	FAIL
740703.27	1145858.38	4720.86	01/21/2015	4-268-4248	H15030388-015	42	48	7.1		28		10		4210		13		850	5111	FAIL
4-269																				
740705.41	1145734.81	4719.97	01/21/2015	4-269-4248	H15010408-005	42	48	7.2		729 J		7 J		5940		922		2650 J	10248	FAIL
740705.41	1145734.81	4719.97	01/21/2015	4-269-4854	H15010408-006	48	54	7.4		567 J		3 J		5480		1400		1370 J	8820	FAIL
740705.41	1145734.81	4719.97	01/21/2015	4-269-5460	H15010408-007	54	60	7.5		179 J		2 J		2140		811		618 J	3750	FAIL
740705.41	1145734.81	4719.97	01/21/2015	4-269-6066	H15030388-016	60	66	6.5		21		3		872		284		563	1743	FAIL
740705.41	1145734.81	4719.97	01/21/2015	4-269-6672	H15030388-017	66	72	7.6		111		2		1400		347		864	2724	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM	COPPER	LEAD	ZINC	SUM OF COC (MG/KG)	PASS/FAIL					
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q	Result (MG/KG)	Q		
4-270																					
	740715.56	1145608.97	4720.84	01/21/2015	4-270-2430	H15010408-008	24	30	7.6		11	J		140		29	2770	2951	FAIL		
	740715.56	1145608.97	4720.84	01/21/2015	4-270-3036	H15010408-009	30	36	6.3		8	J		1	U	40	17	249	315	PASS	
	740715.56	1145608.97	4720.84	01/21/2015	4-270-3642	H15010408-010	36	42	7.2		4	J		1	U	25	12	52	94	PASS	
4-271																					
	740721.13	1145481.39	4720.86	01/19/2015	4-271-0612	H15010409-042	6	12	7.9		542	J		6		3100	421	J	1920	5989	FAIL
	740721.13	1145481.39	4720.86	01/19/2015	4-271-1218	H15010409-043	12	18	7.8		32	J		1	U	167	26	J	194	420	PASS
4-271W																					
	740758.07	1145236.73	4722.14	01/19/2015	4-271W-0006	H15010409-045	0	6	7.9		139	J		3		736	162	J	625	1665	FAIL
	740758.07	1145236.73	4722.14	01/19/2015	4-271W-0612	H15010409-046	6	12	7.8		127	J		2		622	135	J	531	1417	FAIL
	740758.07	1145236.73	4722.14	01/19/2015	4-271W-1218	H15030388-011	12	18	7.8		77			2		339	66		291	775	PASS
	740758.07	1145236.73	4722.14	01/19/2015	4-271W-1824	H15030388-012	18	24	8		40			1	U	166	50		157	414	PASS
4-272																					
	740726.80	1145356.71	4720.05	01/19/2015	4-272-1824	H15010409-047	18	24	7.5		624	J		9		2420	358	J	1800	5211	FAIL
	740726.80	1145356.71	4720.05	01/19/2015	4-272-2430	H15010409-048	24	30	6.2		561	J		7		5520	1290	J	2110	9488	FAIL
	740726.80	1145356.71	4720.05	01/19/2015	4-272-3036	H15010409-049	30	36	6.7		12	J		1	U	64	26		103	206	PASS
4-273																					
	740810.69	1146360.66	4719.98	01/22/2015	4-273-1218	H15020002-001	12	18	7.6		904			11		6400	664		3010	10989	FAIL
	740810.69	1146360.66	4719.98	01/22/2015	4-273-1824	H15020002-002	18	24	7.6		57			1	U	169	31		268	526	PASS
	740810.69	1146360.66	4719.98	01/22/2015	4-273-2430	H15020002-003	24	30	7.5		16			1	U	68	19		91	195	PASS
4-273W																					
	740804.30	1146481.17	4719.80	01/22/2015	4-273W-1218	H15020002-056	12	18	7.7		4			1	U	22	4		15	46	PASS
	740804.30	1146481.17	4719.80	01/22/2015	4-273W-1824	H15020002-005	18	24	7.8		16			1	U	69	17		96	199	PASS
	740804.30	1146481.17	4719.80	01/22/2015	4-273W-1824D	H15020002-005	18	24	7.7		344			4		1520	285		1410	3563	FAIL
	740804.30	1146481.17	4719.80	01/22/2015	4-273W-2430	H15020002-006	24	30	7.3		6			1	U	24	12		56	99	PASS
4-273W2																					
	740798.83	1146599.99	4719.70	01/22/2015	4-273W2-0612	H15020002-058	6	12	7.8		580			9		3750	494		2260	7093	FAIL
	740798.83	1146599.99	4719.70	01/22/2015	4-273W2-1218	H15020002-059	12	18	7.5		10			1	U	45	17		86	159	PASS
	740804.30	1146481.17	4719.80	01/22/2015	4-273W2-1824	H15020002-060	18	24	7.3		5			1	U	28	15		75	124	PASS
4-274																					
	740816.37	1146236.40	4719.92	01/22/2015	4-274-0006	H15020002-007	0	6	7.9		165			3		564	119		510	1361	PASS
	740816.37	1146236.40	4719.92	01/22/2015	4-274-0612	H15020002-008	6	12	8.1		58			1	U	215	40		193	507	PASS
	740816.37	1146236.40	4719.92	01/22/2015	4-274-1218	H15020002-009	12	18	8		23			1	U	221	11		137	393	PASS
4-275																					
	740822.01	1146171.80	4719.77	01/22/2015	4-275-1218	H15020002-010	12	18	7.7		8			11		4780	15		2530	7344	FAIL
	740822.01	1146171.80	4719.77	01/22/2015	4-275-1824	H15020002-011	18	24	7.7		4			1		201	9		424	639	PASS
	740822.01	1146171.80	4719.77	01/22/2015	4-275-2430	H15020002-012	24	30	7.8		8			1	U	57	16		134	216	PASS
4-276																					
	740820.76	1145988.15	4719.35	01/27/2015	4-276-1824	H15020121-045	18	24	6.9		482			8		7340	1400		2790	12020	FAIL
	740820.76	1145988.15	4719.35	01/27/2015	4-276-2430	H15020121-046	24	30	6.8		52			1	U	91	62		227	433	PASS
	740820.76	1145988.15	4719.35	01/27/2015	4-276-3036	H15020121-047	30	36	7.3		5			1	U	37	12		77	132	PASS
4-277																					
	740833.28	1145889.12	4720.52	01/27/2015	4-277-1218	H15020121-048	12	18	6.5		27			14		5650	40		1740	7471	FAIL
	740833.28	1145889.12	4720.52	01/27/2015	4-277-1824	H15020121-049	18	24	7.1		8			1	U	100	16		522	647	PASS
	740833.28	1145889.12	4720.52	01/27/2015	4-277-2430	H15020121-051	24	30	6.9		10			1	U	334	18		354	717	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.	ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)		Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			Result (MG/KG)
						Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-278																					
740836.36	1145737.53	4720.18	01/21/2015	4-278-1218	H15010408-011	12	18	6.8	21	J	9	J	718		38		2140	J	2926	FAIL	
740836.36	1145737.53	4720.18	01/21/2015	4-278-1824	H15010408-012	18	24	7	5	J	3		31		10		1290		1339	PASS	
740836.36	1145737.53	4720.18	01/21/2015	4-278-2430	H15010408-013	24	30	7.1	6	J	4		34		9		1190		1243	PASS	
4-279																					
740822.93	1145623.59	4718.39	01/21/2015	4-279-4854	H15010408-014	48	54	7.1	113	J	7	J	2350		147		1960	J	4577	FAIL	
740822.93	1145623.59	4718.39	01/21/2015	4-279-5460	H15010408-015	54	60	7.4	30	J	6	J	779		54		1030	J	1899	FAIL	
4-280																					
740847.93	1145488.71	4720.45	01/19/2015	4-280-0612	H15010409-050	6	12	7.7	524	J	4		1870		429	J	1460		4287	FAIL	
740847.93	1145488.71	4720.45	01/19/2015	4-280-1218	H15010409-051	12	18	7.8	47	J	1		337		47	J	470		902	PASS	
740847.93	1145488.71	4720.45	01/19/2015	4-280-1824	H15010409-052	18	24	7.8	89	J	1	U	385		74	J	362		911	PASS	
4-281																					
740905.48	1145398.25	4718.77	01/19/2015	4-281-0612	H15010409-053	6	12	7.7	680	J	9		3990		654		2240		7573	FAIL	
740905.48	1145398.25	4718.77	01/19/2015	4-281-1218	H15010409-054	12	18	7.7	427	J	5		2890		536		1610		5468	FAIL	
740905.48	1145398.25	4718.77	01/19/2015	4-281-1824	H15010409-055	18	24	7.1	30	J	1	U	96		26		140		293	PASS	
4-282																					
740937.52	1146367.42	4718.76	01/22/2015	4-282-1824	H15020002-013	18	24	7.7	657		12		4780		620		2270		8339	FAIL	
740937.52	1146367.42	4718.76	01/22/2015	4-282-2430	H15020002-014	24	30	7.5	101		1	U	332		73		251		758	PASS	
740937.52	1146367.42	4718.76	01/22/2015	4-282-3036	H15020002-015	30	36	7.3	14		1	U	100		28		108		251	PASS	
4-282E																					
740899.17	1146470.32	4718.57	01/22/2015	4-282E-1218	H15020002-016	12	18	7.6	716		11		6290		849		2490		10356	FAIL	
740899.17	1146470.32	4718.57	01/22/2015	4-282E-1824	H15020002-017	18	24	7.5	59		1	U	177		23		474		734	PASS	
4-282E2																					
740881.92	1146594.74	4719.38	01/22/2015	4-282E2-0006	H15020002-018	0	6	7.8	233		10		1480		258		1740		3721	FAIL	
740881.92	1146594.74	4719.38	01/22/2015	4-282E2-0612	H15020002-019	6	12	7	8		1	U	31		12		61		113	PASS	
740881.92	1146594.74	4719.38	01/22/2015	4-282E2-1218	H15020002-020	12	18	6.4	10		1	U	20		9		38		78	PASS	
4-283																					
740934.74	1146244.42	4719.35	01/22/2015	4-283-1218	H15020002-021	12	18	7.7	1020		11		10900		1260		3230		16421	FAIL	
740934.74	1146244.42	4719.35	01/22/2015	4-283-1824	H15020002-022	18	24	7.6	20		1	U	104		20		111		256	PASS	
740934.74	1146244.42	4719.35	01/22/2015	4-283-2430	H15020002-023	24	30	7.3	7		1	U	30		13		79		130	PASS	
4-284																					
740950.61	1146081.39	4719.18	01/27/2015	4-284-0612	H15020121-052	6	12	6.4	23		3		377		11		635		1049	PASS	
740950.61	1146081.39	4719.18	01/27/2015	4-284-1218	H15020121-053	12	18	6.5	10		1	U	24		10		607		652	PASS	
740950.61	1146081.39	4719.18	01/27/2015	4-284-1824	H15020121-054	18	24	6.6	12		2		44		14		828		900	PASS	
4-285																					
740953.20	1146000.83	4719.06	01/27/2015	4-285-0006	H15020121-055	0	6	6.2	1970		5		6570		1720		2260		12525	FAIL	
740953.20	1146000.83	4719.06	01/27/2015	4-285-0612	H15020121-056	6	12	7.6	24		1	U	169		34		296		524	PASS	
740953.20	1146000.83	4719.06	01/27/2015	4-285-1218	H15020121-057	12	18	7.6	31		1	U	240		41		269		582	PASS	
4-286																					
740955.72	1145868.35	4718.98	01/20/2015	4-286-0612	H15030250-007	6	12	7.4	217		3		1370		191		764		2545	FAIL	
740955.72	1145868.35	4718.98	01/20/2015	4-286-1218	H15010405-001	12	18	7.6	34	J	1	U	63		24		115		237	PASS	
740955.72	1145868.35	4718.98	01/20/2015	4-286-1824	H15010405-003	18	24	7.5	31	J	1	U	21		8		48		109	PASS	
740955.72	1145868.35	4718.98	01/20/2015	4-286-2430	H15010405-004	24	30	7.2	16		1	U	23		11		47		98	PASS	

**Appendix A
Table A. Base of Tailings/Impacted Soil Data**
Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

			CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.	ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL				
X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q			Result (MG/KG)	Q		
4-287																					
740959.89	1145744.55	4719.07	01/20/2015	4-287-0006	H15010405-005	0	6	7.2		703	J	3		4030		764		1090		6590	FAIL
740959.89	1145744.55	4719.07	01/20/2015	4-287-0612	H15010405-006	6	12	7.5		30	J	7		1380		16		1450		2883	FAIL
740959.89	1145744.55	4719.07	01/20/2015	4-287-1218	H15010405-007	12	18	7.6		23		2		312		20		352		709	PASS
740959.89	1145744.55	4719.07	01/20/2015	4-287-1824	H15010405-008	18	24	7.6		29	J	3		1150		45		637		1864	FAIL
740959.89	1145744.55	4719.07	01/20/2015	4-287-2430	H15030250-008	24	30	7.7		8		1	U	18		7		93		127	PASS
4-288																					
740959.70	1145623.86	4720.05	01/21/2015	4-288-1824	H15010408-016	18	24	7.2		127	J	11	J	4960		142		2640	J	7880	FAIL
740959.70	1145623.86	4720.05	01/21/2015	4-288-2430	H15010408-017	24	30	7.9		6	J	1	U	89		11		103		210	PASS
740959.70	1145623.86	4720.05	01/21/2015	4-288-3036	H15010408-018	30	36	7.5		5	J	1	U	46		11		67		130	PASS
4-289																					
740970.14	1145491.23	4720.15	01/19/2015	4-289-0612	H15010409-056	6	12	7.8		363	J	4		1580		314		1430		3691	FAIL
740970.14	1145491.23	4720.15	01/19/2015	4-289-1218	H15010409-057	12	18	7.9		27		1		118		24		1040		1210	PASS
740970.14	1145491.23	4720.15	01/19/2015	4-289-1824	H15010409-058	18	24	8		9		1	U	49		22		131		212	PASS
4-290																					
740999.92	1145936.99	4717.68	01/20/2015	4-290-3642	H15010405-009	36	42	7.3		116	J	3		666		96		1120		2001	FAIL
740999.92	1145936.99	4717.68	01/20/2015	4-290-4248	H15010405-010	42	48	7.3		352	J	15		2390		205		2630		5592	FAIL
4-291																					
741045.92	1146622.81	4719.13	01/22/2015	4-291-1218	H15020002-024	12	18	7.6		415		7		2350		335		1820		4927	FAIL
741045.92	1146622.81	4719.13	01/22/2015	4-291-1824	H15020002-025	18	24	7.5		23		1	U	73		17		132		246	PASS
741045.92	1146622.81	4719.13	01/22/2015	4-291-2430	H15020002-026	24	30	6.8		9		1	U	35		16		75		136	PASS
4-291E																					
741032.72	1146746.00	4718.66	01/26/2015	4-291E-0006	H15020120-061	0	6	7.9		67		2		265		35		304		673	PASS
741032.72	1146746.00	4718.66	01/26/2015	4-291E-0612	H15020120-062	6	12	7.2		15		1	U	47		14		74		151	PASS
4-292																					
741051.00	1146496.46	4718.89	01/22/2015	4-292-1824	H15020002-027	18	24	7.7		253		3		1760		228		723		2967	FAIL
741051.00	1146496.46	4718.89	01/22/2015	4-292-2430	H15020002-028	24	30	7.4		28		1	U	44		15		92		180	PASS
741051.00	1146496.46	4718.89	01/22/2015	4-292-3036	H15020002-029	30	36	7.4		10		1	U	52		19		86		168	PASS
4-293																					
741064.58	1146377.69	4718.88	01/22/2015	4-293-1218	H15020002-030	12	18	7.7		485		7		7090		1050		1980		10612	FAIL
741064.58	1146377.69	4718.88	01/22/2015	4-293-1824	H15020002-031	18	24	7.7		27		1	U	197		32		158		415	PASS
741064.58	1146377.69	4718.88	01/22/2015	4-293-2430	H15020002-032	24	30	7		11		1	U	45		25		102		184	PASS
4-294																					
741067.12	1146246.22	4718.53	01/27/2015	4-294-2430	H15020121-058	24	30	7.1		483		5		3370		308		1670		5836	FAIL
741067.12	1146246.22	4718.53	01/27/2015	4-294-3036	H15020121-059	30	36	6.9		573		7		3210		359		2070		6219	FAIL
4-295																					
741065.97	1146122.97	4717.97	01/27/2015	4-295-3036	H15020121-060	30	36	7.4		713		6		3730		659		2020		7128	FAIL
741065.97	1146122.97	4717.97	01/27/2015	4-295-3642	H15020121-061	36	42	7.4		786		11		5980		824		4090		11691	FAIL
741065.97	1146122.97	4717.97	01/27/2015	4-295-4248	H15020121-062	42	48	6.8		1160		10		8490		574		3400		13634	FAIL
4-296																					
741075.33	1145998.18	4718.42	01/22/2015	4-296-1824	H15020002-033	18	24	7.2		1900		11		2000		1510		2950		8371	FAIL
741075.33	1145998.18	4718.42	01/22/2015	4-296-2430	H15020002-034	24	30	7		73		5		336		435		1260		2109	FAIL
741075.33	1145998.18	4718.42	01/22/2015	4-296-3036	H15020002-035	30	36	6.8		43		2		86		271		418		820	PASS
4-297																					
741080.76	1145873.99	4717.84	01/20/2015	4-297-1824	H15010405-011	18	24	7.4		9		4		1720		14		484		2231	FAIL
741080.76	1145873.99	4717.84	01/20/2015	4-297-2430	H15010405-012	24	30	7.2		7		5		1370		10		926		2318	FAIL
741080.76	1145873.99	4717.84	01/20/2015	4-297-3036	H15010405-013	30	36	7.1		5		1	U	24		7		283		320	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
4-298																					
741084.94	1145745.55	4717.04	01/19/2015	4-298-1824	H15010409-059	18	24	7.3		29		6		2850		21		874		3780	FAIL
741084.94	1145745.55	4717.04	01/19/2015	4-298-2430	H15010409-060	24	30	6.8		13		2		205		15		1600		1835	FAIL
741084.94	1145745.55	4717.04	01/19/2015	4-298-3036	H15010409-061	30	36	7.7		3		1 U		56		8		162		230	PASS
4-299																					
741089.16	1145622.72	4719.11	01/19/2015	4-299-0006	H15010409-062	0	6	7.8		71 J		2		576		97		561		1307	PASS
741089.16	1145622.72	4719.11	01/19/2015	4-299-0612	H15010409-063	6	12	7.6		27 J		1 U		202		46		238		514	PASS
4-301																					
741174.01	1146626.62	4718.17	01/22/2015	4-301-0006	H15020002-036	0	6	7.8		675		8		3650		528		2350		7211	FAIL
741174.01	1146626.62	4718.17	01/22/2015	4-301-0612	H15020002-037	6	12	7.6		45		1 U		128		22		111		307	PASS
741174.01	1146626.62	4718.17	01/22/2015	4-301-1218	H15020002-038	12	18	6.8		8		1 U		35		14		70		128	PASS
4-302																					
741171.04	1146492.81	4718.17	01/22/2015	4-302-0612	H15020002-039	6	12	7.6		900		10		5110		596		2750		9366	FAIL
741171.04	1146492.81	4718.17	01/22/2015	4-302-1218	H15020002-040	12	18	7.3		23		1 U		113		29		129		295	PASS
741171.04	1146492.81	4718.17	01/22/2015	4-302-1824	H15020002-041	18	24	7.2		11		1 U		72		25		101		210	PASS
4-303																					
741188.39	1146376.35	4718.81	01/21/2015	4-303-1218	H15010408-019	12	18	7.6		930 J		9		6820		600		2900		11259	FAIL
741188.39	1146376.35	4718.81	01/21/2015	4-303-1824	H15010408-021	18	24	8		76 J		2		645		72		397		1192	PASS
741188.39	1146376.35	4718.81	01/21/2015	4-303-2430	H15010408-022	24	30	7.7		11 J		1 U		72		22		94		200	PASS
4-304																					
741190.95	1146253.38	4718.82	01/21/2015	4-304-4248	H15010408-023	42	48	8		8 J		1 U		46		21		3650		3726	FAIL
741190.95	1146253.38	4718.82	01/21/2015	4-304-4854	H15010408-024	48	54	7		42 J		1 U		33		16		1330		1422	FAIL
741190.95	1146253.38	4718.82	01/21/2015	4-304-5460	H15010408-025	54	60	7.4		40 J		1 U		70		17		1750		1878	FAIL
4-305																					
741193.55	1146131.70	4719.71	01/21/2015	4-305-0612	H15010408-026	6	12	7.6		635 J		5		2200		491		1620		4951	FAIL
741193.55	1146131.70	4719.71	01/21/2015	4-305-1218	H15010408-027	12	18	8		30 J		2		165		30		230		457	PASS
741193.55	1146131.70	4719.71	01/21/2015	4-305-1824	H15010408-028	18	24	7.9		7 J		1 U		30		19		80		137	PASS
4-306																					
741200.49	1146003.68	4717.26	01/22/2015	4-306-3642	H15020002-042	36	42	7.3		255		5		1630		194		1350		3434	FAIL
741200.49	1146003.68	4717.26	01/22/2015	4-306-4248	H15020002-043	42	48	7.4		344		9		3040		190		2290		5873	FAIL
4-307																					
741206.69	1145870.15	4718.11	01/20/2015	4-307-0006	H15010405-014	0	6	7.1		318 J		9		3180		331		2110		5948	FAIL
741206.69	1145870.15	4718.11	01/20/2015	4-307-0612	H15010405-015	6	12	7.5		32 J		1 U		77		21		112		243	PASS
741206.69	1145870.15	4718.11	01/20/2015	4-307-1218	H15010405-016	12	18	7.9		38 J		1 U		16		8		33		96	PASS
4-308																					
741211.85	1145755.17	4719.05	01/20/2015	4-308-0006	H15010405-017	0	6	7.3		37 J		1 U		193		35		121		387	PASS
741211.85	1145755.17	4719.05	01/20/2015	4-308-0612	H15010405-018	6	12	7.8		69 J		1 U		53		12		64		199	PASS
4-309																					
741215.84	1145629.99	4718.23	01/19/2015	4-309-3036	H15010409-064	30	36	7.2		179 J		5		1890		242		1870		4186	FAIL
741215.84	1145629.99	4718.23	01/19/2015	4-309-3642	H15010409-066	36	42	7		179 J		6		1800		255		2080		4320	FAIL
741215.84	1145629.99	4718.23	01/19/2015	4-309-4248	H15010409-067	42	48	7.5		151 J		5		1010		386		1460		3012	FAIL
741215.84	1145629.99	4718.23	01/19/2015	4-309-4854	H15010409-068	48	54	6.8		209 J		6		1370		198		1900		3683	FAIL
741215.84	1145629.99	4718.23	01/19/2015	4-309-5460	H15030388-013	54	60	4.8		141		1		600		155		528		1425	FAIL
4-309W																					
741221.93	1145516.32	4720.24	01/21/2015	4-309W-0006	H15010408-029	0	6	7.5		17 J		1 U		126		35		124		303	PASS
741221.93	1145516.32	4720.24	01/21/2015	4-309W-0612	H15010408-030	6	12	7.9		37 J		1 U		145		31		129		343	PASS
741221.93	1145516.32	4720.24	01/21/2015	4-309W-1218	H15010408-031	12	18	7.9		109 J		2		523		99		441		1174	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC	CADMIUM	COPPER	LEAD	ZINC	SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)		
4-312																
	741304.05	1146507.11	4717.09	01/22/2015	4-312-0612	H15020002-044	6	12	7.6	918	11	5180	697	2600	9406	FAIL
	741304.05	1146507.11	4717.09	01/22/2015	4-312-1218	H15020002-045	12	18	7.4	23	1 U	146	92	189	451	PASS
4-313																
	741307.85	1146383.53	4718.15	01/21/2015	4-313-0612	H15010408-032	6	12	8	425 J	7	3030	404	1770	5636	FAIL
	741307.85	1146383.53	4718.15	01/21/2015	4-313-1218	H15010408-033	12	18	8	33 J	1 U	220	38	178	470	PASS
	741307.85	1146383.53	4718.15	01/21/2015	4-313-1824	H15010408-034	18	24	7.7	7 J	1 U	40	17	70	135	PASS
4-314																
	741314.38	1146262.17	4717.90	01/21/2015	4-314-1218	H15010408-035	12	18	7.4	1390 J	13	10300	805	3600	16108	FAIL
	741314.38	1146262.17	4717.90	01/21/2015	4-314-1824	H15010408-036	18	24	7.9	195 J	2	1200	133	753	2283	FAIL
	741314.38	1146262.17	4717.90	01/21/2015	4-314-2430	H15010408-037	24	30	7.7	17 J	1 U	116	23 J	134	291	PASS
4-315																
	741320.61	1146133.81	4717.63	01/20/2015	4-315-3642	H15010405-019	36	42	7.2	358 J	5	1800	271	1210	3644	FAIL
	741320.61	1146133.81	4717.63	01/20/2015	4-315-4248	H15010405-020	42	48	7.3	372 J	9	2860	310	1800	5351	FAIL
4-316																
	741326.84	1146009.48	4717.66	01/20/2015	4-316-1218	H15010405-021	12	18	7.3	117 J	14	4340	298	3020	7789	FAIL
	741326.84	1146009.48	4717.66	01/20/2015	4-316-1824	H15010405-023	18	24	7.6	18	1 U	43	14	129	205	PASS
	741326.84	1146009.48	4717.66	01/20/2015	4-316-2430	H15010405-024	24	30	7.3	16	1 U	71	19	70	177	PASS
4-317																
	741327.68	1145888.69	4718.33	01/20/2015	4-317-0612	H15010405-025	6	12	7.6	161 J	3	1070	185	490	1909	FAIL
	741327.68	1145888.69	4718.33	01/20/2015	4-317-1218	H15010405-026	12	18	7.6	29	1 UJ	23	13	59	125	PASS
	741327.68	1145888.69	4718.33	01/20/2015	4-317-1824	H15010405-027	18	24	7.5	18 J	1 U	23	12	51	105	PASS
4-318																
	741333.13	1145759.70	4718.21	01/20/2015	4-318-0006	H15010405-028	0	6	7.4	57 J	2	391	66	205	721	PASS
	741333.13	1145759.70	4718.21	01/20/2015	4-318-0612	H15010405-029	6	12	7.5	56 J	1 U	70	17	75	219	PASS
4-319																
	741342.70	1145639.54	4717.87	01/20/2015	4-319-0006	H15010405-030	0	6	7	1290 J	4	2320	831	1630	6075	FAIL
	741342.70	1145639.54	4717.87	01/20/2015	4-319-0612	H15010405-031	6	12	7.7	94 J	6	1480	88	1690	3358	FAIL
	741342.70	1145639.54	4717.87	01/20/2015	4-319-1218	H15010405-032	12	18	7.7	23 J	1	171	27	720	942	PASS
4-321																
	741426.51	1146514.22	4716.09	01/22/2015	4-321-0612	H15020002-047	6	12	7.5	557	7	2540	394	1650	5148	FAIL
	741426.51	1146514.22	4716.09	01/22/2015	4-321-1218	H15020002-048	12	18	6.9	168	2	621	112	426	1329	PASS
	741426.51	1146514.22	4716.09	01/22/2015	4-321-1824	H15020002-049	18	24	6.8	15	1 U	71	21	101	209	PASS
4-322																
	741429.40	1146388.23	4717.01	01/21/2015	4-322-1218	H15010408-038	12	18	7.5	989 J	13 J	8020	692	3800	13514	FAIL
	741429.40	1146388.23	4717.01	01/21/2015	4-322-1824	H15010408-039	18	24	7.5	394 J	3 J	2730	266	876	4269	FAIL
	741429.40	1146388.23	4717.01	01/21/2015	4-322-2430	H15010408-040	24	30	7.3	20 J	1 U	114	21 J	119	275	PASS
4-323																
	741434.14	1146324.94	4717.26	01/21/2015	4-323-1824	H15010408-041	18	24	7.5	1010 J	9 J	6620	504	2820	10963	FAIL
	741434.14	1146324.94	4717.26	01/21/2015	4-323-2430	H15010408-042	24	30	7.3	23 J	1 U	145	22 J	118	309	PASS
	741434.14	1146324.94	4717.26	01/21/2015	4-323-3036	H15010408-043	30	36	7.5	15 J	1 U	117	29 J	119	281	PASS
4-324																
	741444.23	1146140.55	4716.41	01/20/2015	4-324-3642	H15010405-033	36	42	7.6	488 J	14	6950	1050	3460	11962	FAIL
	741444.23	1146140.55	4716.41	01/20/2015	4-324-4248	H15010405-034	42	48	7.5	473 J	13	6980	968	3050	11484	FAIL

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
4-325																					
741451.23	1146017.83	4716.36	01/20/2015	4-325-0006	H15030250-009	0	6	7		2100		6		9100		1320		1760		14286	FAIL
741451.23	1146017.83	4716.36	01/20/2015	4-325-0612	H15010405-035	6	12	7.4		53 J		1 U		242		41		241		578	PASS
741451.23	1146017.83	4716.36	01/20/2015	4-325-1218	H15010405-036	12	18	7		9		1 U		40		18		72		140	PASS
741451.23	1146017.83	4716.36	01/20/2015	4-325-1824	H15010405-037	18	24	6.7		4 J		1 UJ		23		13		68		109	PASS
4-326																					
741454.22	1145893.95	4716.90	01/20/2015	4-326-0006	H15010405-038	0	6	7.7		71 J		2 J		676		101		437		1287	PASS
741454.22	1145893.95	4716.90	01/20/2015	4-326-0612	H15010405-039	6	12	7.7		22 J		1 UJ		217		27		124		391	PASS
741454.22	1145893.95	4716.90	01/20/2015	4-326-1218	H15010405-040	12	18	7.7		12 J		1 UJ		29		17		85		144	PASS
4-327																					
741459.74	1145765.47	4717.28	01/20/2015	4-327-0612	H15010405-056	6	12	7.6		1070 J		11		11500		1080		3040		16701	FAIL
741459.74	1145765.47	4717.28	01/20/2015	4-327-1218	H15010405-057	12	18	8		50		1 U		333		34		213		631	PASS
741459.74	1145765.47	4717.28	01/20/2015	4-327-1824	H15010405-058	18	24	7.9		13		1 U		27		9		90		140	PASS
4-328																					
741465.89	1145640.12	4716.67	01/20/2015	4-328-2430	H15010405-041	24	30	7.5		154 J		7 J		1350		2280		3090		6881	FAIL
741465.89	1145640.12	4716.67	01/20/2015	4-328-3036	H15010405-042	30	36	7.9		17 J		1 UJ		38		158		60		274	PASS
741465.89	1145640.12	4716.67	01/20/2015	4-328-3642	H15010405-043	36	42	8.1		11 J		1 UJ		23		101		35		171	PASS
4-328W																					
741497.42	1145535.67	4717.89	01/20/2015	4-328W-0006	H15010405-044	0	6	7.8		174 J		6 J		1170		219		880		2449	FAIL
741497.42	1145535.67	4717.89	01/20/2015	4-328W-0612	H15010405-045	6	12	7.9		55 J		1 UJ		122		19		114		311	PASS
4-329																					
741489.64	1146213.47	4716.45	01/20/2015	4-329-1218	H15010405-046	12	18	7.5		100 J		3 J		604		97		760		1564	FAIL
741489.64	1146213.47	4716.45	01/20/2015	4-329-1824	H15010405-047	18	24	7.5		98 J		3 J		627		91		812		1631	FAIL
741489.64	1146213.47	4716.45	01/20/2015	4-329-2430	H15010405-048	24	30	7.8		109 J		5 J		635		98		965		1812	FAIL
741489.64	1146213.47	4716.45	01/20/2015	4-329-3036	H15030250-010	30	36	7.7		121		6		809		110		900		1946	FAIL
741489.64	1146213.47	4716.45	01/20/2015	4-329-3642	H15030250-011	36	42	7.6		101		5		894		93		788		1881	FAIL
741489.64	1146213.47	4716.45	01/20/2015	4-329-4248	H15040057-003	42	48	7.6		90 J		7		757		104		1010		1968	FAIL
4-330																					
741544.27	1146641.53	4715.51	01/22/2015	4-330-0612	H15020002-050	6	12	7.8		347		5		1990		291		1470		4103	FAIL
741544.27	1146641.53	4715.51	01/22/2015	4-330-1218	H15020002-051	12	18	7.5		78		2		639		107		441		1267	PASS
741544.27	1146641.53	4715.51	01/22/2015	4-330-1824	H15020002-052	18	24	7.4		24		1 U		199		40		143		407	PASS
4-331																					
741554.88	1146526.25	4716.16	01/22/2015	4-331-1218	H15020002-053	12	18	7.6		738		14		14600		1190		3200		19742	FAIL
741554.88	1146526.25	4716.16	01/22/2015	4-331-1824	H15020002-054	18	24	7.4		19		1 U		114		28		145		307	PASS
741554.88	1146526.25	4716.16	01/22/2015	4-331-2430	H15020002-055	24	30	7		13		1 U		41		20		82		157	PASS
4-332																					
741550.47	1146404.54	4716.45	01/21/2015	4-332-1218	H15010408-044	12	18	7.7		1230 J		10 J		10500		1150		2960		15850	FAIL
741550.47	1146404.54	4716.45	01/21/2015	4-332-1824	H15010408-045	18	24	7.6		54 J		1 UJ		411		60		209		735	PASS
741550.47	1146404.54	4716.45	01/21/2015	4-332-2430	H15010408-046	24	30	7.5		29 J		1 U		181		28 J		161		400	PASS
4-333																					
741561.81	1146272.93	4716.83	01/21/2015	4-333-0006	H15030388-018	0	6	7.7		1470		13		8540		658		3280		13961	FAIL
741561.81	1146272.93	4716.83	01/21/2015	4-333-0612	H15010408-047	6	12	8		72 J		1 J		588		76		410		1147	PASS
741561.81	1146272.93	4716.83	01/21/2015	4-333-1218	H15010408-048	12	18	7.6		49 J		1 UJ		352		43		230		675	PASS
741561.81	1146272.93	4716.83	01/21/2015	4-333-1824	H15010408-049	18	24	8		8 J		1 U		52		13 J		74		148	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data
 Clark Fork River, Reach A, Phases 3 and 4
 Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg	CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL	
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)			Q
4-334																					
741572.46	1146017.56	4716.42	01/21/2015	4-334-0006	H15010408-050	0	6	7.1		545	J	7	J	2580		451		1820		5403	FAIL
741572.46	1146017.56	4716.42	01/21/2015	4-334-0612	H15010408-051	6	12	7.3		407	J	4	J	3680		781		1840		6712	FAIL
741572.46	1146017.56	4716.42	01/21/2015	4-334-1218	H15010408-052	12	18	7.3		6	J	1		102		12	J	210		331	PASS
4-335																					
741582.52	1145854.61	4717.14	01/20/2015	4-335-1218	H15010405-049	12	18	7		80	J	12	J	432		66		3470		4060	FAIL
741582.52	1145854.61	4717.14	01/20/2015	4-335-1824	H15010405-050	18	24	7.8		13	J	1	UJ	56		15		303		388	PASS
741582.52	1145854.61	4717.14	01/20/2015	4-335-2430	H15010405-051	24	30	7.5		20	J	1	UJ	62		17		154		254	PASS
4-336																					
741585.44	1145770.57	4717.64	01/20/2015	4-336-0006	H15010405-052	0	6	7.8		66	J	1	UJ	147		33		127		374	PASS
741585.44	1145770.57	4717.64	01/20/2015	4-336-0612	H15010405-053	6	12	7.6		23	J	1	UJ	86		20		91		221	PASS
4-337																					
741588.80	1145645.67	4718.05	01/20/2015	4-337-0006	H15010405-054	0	6	7.8		331	J	5	J	1990		286		1330		3942	FAIL
741588.80	1145645.67	4718.05	01/20/2015	4-337-0612	H15010405-055	6	12	7.9		24		1	U	43		13		67		148	PASS
4-338																					
741592.59	1146139.14	4717.09	01/21/2015	4-338-1218	H15010408-053	12	18	7.7		334	J	5	J	2930		353		1360		4982	FAIL
741592.59	1146139.14	4717.09	01/21/2015	4-338-1824	H15010408-054	18	24	7.6		14	J	1	U	98		17	J	96		226	PASS
741592.59	1146139.14	4717.09	01/21/2015	4-338-2430	H15010408-055	24	30	7.3		6	J	1	U	48		14	J	78		147	PASS
4-500																					
739932.90	1146228.35	4722.62	02/02/2015	4-500-1218	H15020205-010	12	18	7.2		826		25		9590		923		6760		18124	FAIL
739932.90	1146228.35	4722.62	02/02/2015	4-500-1824	H15020205-011	18	24	7.4		591		7		6810		758		1560		9726	FAIL
739932.90	1146228.35	4722.62	02/02/2015	4-500-2430	H15020205-012	24	30	7.4		10		1	U	60		15		63		149	PASS
4-500E																					
739910.66	1146350.03	4723.36	02/02/2015	4-500E-0006	H15020205-013	0	6	7.3		123		6		689		151		960		1929	FAIL
739910.66	1146350.03	4723.36	02/02/2015	4-500E-0612	H15020205-014	6	12	7.7		87		2		610		101		462		1262	PASS
4-500N																					
740052.03	1146240.68	4722.93	02/02/2015	4-500N-0006	H15020205-015	0	6	7.7		429		9		2670		394		2170		5672	FAIL
740052.03	1146240.68	4722.93	02/02/2015	4-500N-0612	H15020205-016	6	12	7.8		16		1	U	84		23		113		237	PASS
740052.03	1146240.68	4722.93	02/02/2015	4-500N-1218	H15020205-017	12	18	7.7		5		1	U	22		12		53		93	PASS
4-501																					
739853.16	1146123.62	4722.87	02/02/2015	4-501-1824	H15020205-018	18	24	6.3		643		11		3530		450		2540		7174	FAIL
739853.16	1146123.62	4722.87	02/02/2015	4-501-2430	H15020205-019	24	30	6.4		234		3		1540		244		718		2739	FAIL
739853.16	1146123.62	4722.87	02/02/2015	4-501-3036	H15020205-020	30	36	7.3		7		1	U	35		14		90		147	PASS
4-502																					
739750.64	1146109.01	4723.35	02/02/2015	4-502-1824	H15020205-021	18	24	6.4		290		1		172		46		435		944	PASS
739750.64	1146109.01	4723.35	02/02/2015	4-502-2430	H15020205-022	24	30	6.7		21		1	U	48		17		82		169	PASS
739750.64	1146109.01	4723.35	02/02/2015	4-502-3036	H15020205-023	30	36	7.6		8		1	U	48		21		85		163	PASS
739750.64	1146109.01	4723.35	02/02/2015	4-502-3642	H15030388-007	36	42	5.1		13		1	U	25		12		47		98	PASS
739750.64	1146109.01	4723.35	02/02/2015	4-502-4248	H15030388-008	42	48	7.1		43		1	U	237		46		269		596	PASS
4-502W																					
739783.51	1145984.49	4723.89	02/02/2015	4-502W-1218	H15020205-027	12	18	7.9		720		9		4570		670		2140		8109	FAIL
739783.51	1145984.49	4723.89	02/02/2015	4-502W-1824	H15020205-028	18	24	7.7		91		2		524		84		568		1269	PASS
739783.51	1145984.49	4723.89	02/02/2015	4-502W-2430	H15020205-029	24	30	7.5		11		1	U	71		18		96		197	PASS
4-502S																					
739637.36	1146064.53	4724.70	02/02/2015	4-502S-1218	H15020205-024	12	18	7.8		784		9		5480		653		2630		9556	FAIL
739637.36	1146064.53	4724.70	02/02/2015	4-502S-1824	H15020205-025	18	24	7.4		12		1	U	77		16		87		193	PASS
739637.36	1146064.53	4724.70	02/02/2015	4-502S-2430	H15020205-026	24	30	7.6		5		1	U	24		8		47		85	PASS

Appendix A
Table A. Base of Tailings/Impacted Soil Data

Clark Fork River, Reach A, Phases 3 and 4
Warm Springs, Montana

X_COORD	Y_COORD	SURFACE ELEVATION (FT)	Sample Date	SAMPLE ID	LAB SAMPLE ID	CHEMICAL_NAME REPORT_RESULT_UNIT		pH, sat. paste S.U.		ARSENIC mg/kg		CADMIUM mg/kg		COPPER mg/kg		LEAD mg/kg		ZINC mg/kg		SUM OF COC (MG/KG)	PASS/FAIL
						START DEPTH (INCHES)	END DEPTH (INCHES)	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q	Result (MG/KG)	Q		
4-503																					
739666.98	1146219.66	4723.92	02/02/2015	4-503-1824	H15020205-030	18	24	7.2		846		18		10400		859		4340		16463	FAIL
739666.98	1146219.66	4723.92	02/02/2015	4-503-2430	H15020205-032	24	30	7.3		5		1 U		35		13		58		112	PASS
739666.98	1146219.66	4723.92	02/02/2015	4-503-3036	H15020205-033	30	36	7.5		4		1 U		27		13		60		105	PASS
4-503E																					
739670.34	1146354.81	4724.49	02/02/2015	4-503E-0612	H15020205-034	6	12	8		709		8		3710		676		2420		7523	FAIL
739670.34	1146354.81	4724.49	02/02/2015	4-503E-1218	H15020205-035	12	18	7.6		28		1 U		59		14		80		182	PASS
739670.34	1146354.81	4724.49	02/02/2015	4-503E-1824	H15020205-036	18	24	7.4		10		1 U		35		12		73		131	PASS
4-503N																					
739788.42	1146241.12	4724.04	02/02/2015	4-503N-0006	H15020205-037	0	6	7.8		289		13		1750		303		2010		4365	FAIL
739788.42	1146241.12	4724.04	02/02/2015	4-503N-0612	H15020205-038	6	12	7.9		23		1 U		80		14		80		198	PASS
739788.42	1146241.12	4724.04	02/02/2015	4-503N-1218	H15020205-039	12	18	7.9		23		1 U		78		16		86		204	PASS
4-504																					
739538.94	1146204.96	4724.29	02/02/2015	4-504-0612	H15020205-040	6	12	7.7		428		14		5900		536		3110		9988	FAIL
739538.94	1146204.96	4724.29	02/02/2015	4-504-1218	H15020205-042	12	18	7.5		21		1 U		47		12		85		166	PASS
739538.94	1146204.96	4724.29	02/02/2015	4-504-1824	H15020205-043	18	24	7.3		12		1 U		73		18		95		199	PASS
4-504E																					
739518.52	1146338.22	4724.68	02/02/2015	4-504E-0612	H15020205-044	6	12	7.8		995		10		4140		1000		2640		8785	FAIL
739518.52	1146338.22	4724.68	02/02/2015	4-504E-1218	H15020205-045	12	18	7.7		33		1 U		56		15		76		181	PASS
739518.52	1146338.22	4724.68	02/02/2015	4-504E-1824	H15020205-046	18	24	7.7		13		1 U		37		14		69		134	PASS
4-504S																					
739415.65	1146187.93	4725.93	02/02/2015	4-504S-0006	H15020205-047	0	6	8		115		3		282		78		316		794	PASS
739415.65	1146187.93	4725.93	02/02/2015	4-504S-0612	H15020205-048	6	12	8		17		1 U		53		14		70		155	PASS
4-505																					
739544.96	1146024.26	4724.94	02/02/2015	4-505-0612	H15020205-049	6	12	7.7		436		7		3030		378		1870		5721	FAIL
739544.96	1146024.26	4724.94	02/02/2015	4-505-1218	H15020205-050	12	18	7.7		150		2		1140		137		574		2003	FAIL
739544.96	1146024.26	4724.94	02/02/2015	4-505-1824	H15020205-051	18	24	7.6		14		1 U		78		18		74		185	PASS
4-506																					
739453.23	1145891.19	4724.37	02/02/2015	4-506-3036	H15020205-052	30	36	7		1710		21		13900		1060		4930		21621	FAIL
739453.23	1145891.19	4724.37	02/02/2015	4-506-3642	H15020205-053	36	42	6.8		38		1		182		25		248		494	PASS
739453.23	1145891.19	4724.37	02/02/2015	4-506-4248	H15020205-054	42	48	7.4		17		1 U		114		25		169		326	PASS
4-506N																					
739576.32	1145883.22	4725.74	02/02/2015	4-506N-1218	H15020205-055	12	18	7.8		493		6		3170		429		1820		5918	FAIL
739576.32	1145883.22	4725.74	02/02/2015	4-506N-1824	H15020205-056	18	24	7.8		4		1 U		33		13		57		108	PASS
739576.32	1145883.22	4725.74	02/02/2015	4-506N-2430	H15020205-057	24	30	7.7		5		1 U		23		10		50		89	PASS
4-506W																					
739500.04	1145777.70	4725.84	02/02/2015	4-506W-0006	H15020205-058	0	6	7.7		217		6		1360		229		1140		2952	FAIL
739500.04	1145777.70	4725.84	02/02/2015	4-506W-0612	H15020205-059	6	12	7.8		19		1 U		78		15		89		202	PASS
739500.04	1145777.70	4725.84	02/02/2015	4-506W-1218	H15020205-060	12	18	7.8		15		1 U		51		12		74		153	PASS

