ATTACHMENT 1

Statistical Summary of Metals Concentrations by Source Type

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Dissolved Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
Big Creek													
Cadmium	5	1.15	1.64E-08	0	0%	0	0	0	0	0.38	0	0	0
Copper	5	5.6	0.639	1	20%	12	12	12	0	3.2	1	0	0
Iron	5	3.14	0.919	1	20%	8.3	8.3	8.3	0	1000	0	0	0
Manganese	5	2.04	1.09	2	40%	1.2	6	3.6	0.943	20.4	0	0	0
Zinc	5	1.25	0	0	0%	0	0	0	0	42	0	0	0
Canyon Creek													
Antimony	24	3.31	0.585	23	96%	0.63	6.6	3.45	0.541	2.92	13	0	0
Arsenic	25	0.519	0.633	12	48%	0.21	1.4	0.529	0.742	150	0	0	0
Cadmium	161	8.84	3.52	156	97%	0.25	390	9.1	3.47	0.38	154	84	2
Copper	27	1.86	1.05	9	33%	0.34	10	2.23	1.4	3.2	2	0	0
Iron	28	76	1.37	20	71%	4.2	369	100	1.14	1000	0	0	0
Lead	158	32.3	3.89	149	94%	1.5	1480	34.2	3.77	1.09	149	84	2
Manganese	29	190	3.72	26	90%	0.41	3850	211	3.52	20.4	22	3	1
Mercury	24	0.0938	0.18	0	0%	0	0	0	0	0.77	0	0	0
Silver	24	1.05	1.13	0	0%	0	0	0	0	0.43	0	0	0
Zinc	161	930	1.05	160	99%	29.3	4760	935	1.04	42	155	97	1

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Dissolved Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
Nine Mile Creek													
Antimony	18	0.449	0.581	3	17%	0.26	1	0.64	0.579	2.92	0	0	0
Arsenic	18	0.654	0.743	5	28%	0.2	1.9	1.12	0.617	150	0	0	0
Cadmium	18	32.6	0.974	15	83%	0.056	93.7	39.2	0.788	0.38	13	12	9
Copper	18	2.84	1.22	8	44%	0.22	12	4.01	1.24	3.2	3	0	0
Iron	18	95	2.45	6	33%	56.3	1010	250	1.5	1000	1	0	0
Lead	18	45.9	0.915	15	83%	0.14	110	55	0.728	1.09	12	11	1
Manganese	18	156	1.54	16	89%	5.04	1020	176	1.41	20.4	11	5	0
Mercury	18	0.0978	0.0661	0	0%	0	0	0	0	0.77	0	0	0
Silver	17	1.48	0.846	0	0%	0	0	0	0	0.43	0	0	0
Zinc	18	6390	0.923	18	100%	3.9	17300	6390	0.923	42	14	12	10
Pine Creek													
Antimony	12	0.817	0.829	8	67%	0.52	2.1	1.12	0.556	2.92	0	0	0
Arsenic	22	1.59	0.744	14	64%	0.1	4.52	1.64	0.858	150	0	0	0
Cadmium	34	12.6	3.1	29	85%	0.096	187	14.8	2.85	0.38	26	6	3
Copper	22	8.03	3.55	12	55%	0.26	135	14.2	2.7	3.2	4	1	0
Iron	23	729	3.49	13	57%	4.1	11700	1280	2.6	1000	2	1	0
Lead	33	70	5.34	19	58%	0.12	2150	121	4.07	1.09	15	6	1
Manganese	24	249	2.22	21	88%	0.7	2590	284	2.05	20.4	14	6	1
Mercury	16	0.1	1.36E-08	0	0%	0	0	0	0	0.77	0	0	0
Silver	11	0.0595	1.06	0	0%	0	0	0	0	0.43	0	0	0
Zinc	34	3450	3.3	33	97%	37.2	62300	3550	3.25	42	30	12	4

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Dissolved Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
South Fork													
Antimony	9	3.31	0.545	9	100%	1	6.39	3.31	0.545	2.92	4	0	0
Arsenic	9	0.691	0.399	6	67%	0.42	1.1	0.62	0.428	150	0	0	0
Cadmium	20	3.78	1.09	13	65%	0.087	12	5.7	0.686	0.38	12	7	0
Copper	14	2.12	0.738	6	43%	0.52	1.3	0.935	0.332	3.2	0	0	0
Iron	14	236	2.3	8	57%	17	1900	410	1.67	1000	1	0	0
Lead	15	5.77	1.33	10	67%	0.1	20.8	8.29	1.01	1.09	7	3	0
Manganese	14	165	2	9	64%	12.7	1100	256	1.52	20.4	6	3	0
Mercury	9	0.1	2.48E-08	0	0%	0	0	0	0	0.77	0	0	0
Silver	9	0.0489	1.08	0	0%	0	0	0	0	0.43	0	0	0
Zinc	20	435	1.28	15	75%	3.6	1900	578	1	42	10	7	0
Upper South Fork													
Antimony	3	0.653	0.739	2	67%	0.87	0.99	0.93	0.0912	2.92	0	0	0
Arsenic	3	8.63	1.49	2	67%	1.4	23.5	12.5	1.26	150	0	0	0
Cadmium	12	2.07	0.729	6	50%	0.13	5	2.99	0.577	0.38	5	2	0
Copper	12	29.5	2.47	7	58%	0.93	260	48.4	1.93	3.2	6	1	0
Iron	12	10.1	1.42	4	33%	8	50	23.8	0.798	1000	0	0	0
Lead	3	0.503	1.03	3	100%	0.2	1.1	0.503	1.03	1.09	1	0	0
Manganese	12	46.8	2.16	9	75%	1.2	270	61.9	1.84	20.4	2	2	0
Mercury	3	0.1	0	0	0%	0	0	0	0	0.77	0	0	0
Silver	3	0.0883	0.773	0	0%	0	0	0	0	0.43	0	0	0
Zinc	12	85.7	2.73	4	33%	3.9	808	255	1.49	42	2	1	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Dissolved Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
Basin-Wide Summary													
Antimony	66	1.96	0.985	45	68%	0.26	6.6	2.71	0.706	2.92	17	0	0
Arsenic	77	1.19	2.27	39	51%	0.1	23.5	1.63	2.29	150	0	0	0
Cadmium	250	10.2	3.01	219	88%	0.056	390	11.5	2.82	0.38	210	111	14
Copper	98	7.04	4.17	43	44%	0.22	260	13.5	3.24	3.2	16	2	0
Iron	100	240	5.21	52	52%	4.1	11700	454	3.78	1000	4	1	0
Lead	227	36.7	4.81	196	86%	0.1	2150	42.4	4.47	1.09	184	104	4
Manganese	102	168	2.9	83	81%	0.41	3850	207	2.58	20.4	55	19	2
Mercury	70	0.0973	0.109	0	0%	0	0	0	0	0.77	0	0	0
Silver	64	0.81	1.39	0	0%	0	0	0	0	0.43	0	0	0
Zinc	250	1570	3.05	230	92%	3.6	62300	1700	2.92	42	211	129	15

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Total Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
Big Creek													
Arsenic	5	17	0.329	1	20%	27	27	27	0	50	0	0	0
Cadmium	5	4.3	0.399	4	80%	4	6	5	0.163	2	4	0	0
Copper	5	17.5	0	0	0%	0	0	0	0	1	0	0	0
Iron	5	286	1.38	2	40%	580	830	705	0.251	300	2	0	0
Lead	5	7.5	1.42E-08	0	0%	0	0	0	0	15	0	0	0
Manganese	5	160	2.17	5	100%	3	780	160	2.17	50	1	1	0
Mercury	5	2.5	0	0	0%	0	0	0	0	2	0	0	0
Zinc	5	2	0.559	1	20%	4	4	4	0	30	0	0	0
Canyon Creek													
Antimony	28	5.01	1.08	24	86%	0.66	8.2	3.93	0.577	6	5	0	0
Arsenic	29	2.57	2.14	13	45%	0.23	2.4	1.02	0.638	50	0	0	0
Cadmium	272	7.36	3.34	246	90%	0.25	396	8.02	3.22	2	192	12	1
Copper	32	2.78	1.46	10	31%	0.21	6.1	2.02	1.01	1	5	0	0
Iron	28	320	2.14	23	82%	6.8	3700	382	1.94	300	7	1	0
Lead	219	103	3.08	213	97%	0.082	2920	106	3.04	15	158	19	4
Manganese	32	113	1.5	29	91%	8.11	716	125	1.4	50	17	2	0
Mercury	31	0.172	2.53	2	6%	0.17	0.2	0.185	0.115	2	0	0	0
Silver	30	1.05	1.05	1	3%	0.61	0.61	0.61	0	100	0	0	0
Zinc	271	906	2.48	270	100%	31.2	35400	909	2.47	30	270	203	5

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Total Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
Nine Mile Creek													
Antimony	19	0.572	1.02	3	16%	0.29	1.3	0.897	0.596	6	0	0	0
Arsenic	19	0.856	0.792	7	37%	0.13	2.3	1.17	0.616	50	0	0	0
Cadmium	19	30.9	0.999	17	89%	0.12	92.3	34.5	0.888	2	13	10	0
Copper	19	4.48	1.31	11	58%	1	23.8	6.69	1.03	1	10	2	0
Iron	18	245	2.45	13	72%	40.8	2550	331	2.1	300	2	0	0
Lead	19	77.3	0.891	19	100%	0.15	243	77.3	0.891	15	13	1	0
Manganese	19	152	1.55	18	95%	5.3	1020	160	1.49	50	10	1	0
Mercury	19	0.0874	0.238	0	0%	0	0	0	0	2	0	0	0
Silver	18	1.45	0.835	1	6%	0.043	0.043	0.043	0	100	0	0	0
Zinc	15	4680	1.18	14	93%	19	18000	5010	1.11	30	13	9	6
Pine Creek													
Antimony	25	0.736	1.12	5	20%	0.76	3.9	1.95	0.634	6	0	0	0
Arsenic	26	1.94	0.964	16	62%	0.3	8.1	2.56	0.852	50	0	0	0
Cadmium	37	12.4	3.28	31	84%	0.17	190	14.7	2.99	2	13	2	0
Copper	27	16	2.82	17	63%	0.21	191	25.1	2.21	1	14	5	2
Iron	27	1480	3.13	20	74%	5.6	23100	1990	2.67	300	8	3	0
Lead	38	78.3	4.46	27	71%	0.83	2160	110	3.77	15	9	3	1
Manganese	27	210	2.49	21	78%	0.6	2610	270	2.15	50	11	4	0
Mercury	26	0.0846	0.278	0	0%	0	0	0	0	2	0	0	0
Silver	24	0.6	3.59	2	8%	0.22	10.7	5.46	1.36	100	0	0	0
Zinc	38	2540	3.91	37	97%	21.2	61400	2610	3.86	30	36	14	5

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Total Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
South Fork													
Antimony	10	3.86	0.524	10	100%	1.1	7	3.86	0.524	6	2	0	0
Arsenic	15	4.82	1.28	7	47%	0.42	4.9	1.33	1.21	50	0	0	0
Cadmium	39	6.22	0.648	33	85%	0.1	16	7.26	0.474	2	31	0	0
Copper	15	9.82	1.32	10	67%	0.3	38	9.08	1.66	1	9	2	0
Iron	14	1240	1.72	9	64%	35	5900	1920	1.26	300	5	2	0
Lead	39	42.4	1.25	34	87%	0.2	227	48	1.14	15	27	3	0
Manganese	15	195	1.75	12	80%	5	1200	244	1.52	50	6	2	0
Mercury	15	0.906	1.29	0	0%	0	0	0	0	2	0	0	0
Silver	10	0.151	0.817	0	0%	0	0	0	0	100	0	0	0
Zinc	39	841	0.801	32	82%	14	2700	1020	0.59	30	29	28	0
Upper South Fork													
Antimony	4	5.99	1.84	1	25%	0.94	0.94	0.94	0	6	0	0	0
Arsenic	13	13.1	0.512	3	23%	1.5	25.2	11	1.14	50	0	0	0
Cadmium	118	3.1	0.801	72	61%	0.4	8	4.44	0.527	2	55	0	0
Copper	14	34.7	2.31	3	21%	3.2	310	119	1.4	1	3	2	1
Iron	12	96.7	2.29	3	25%	98	770	363	0.987	300	1	0	0
Lead	118	73.3	0.527	110	93%	0.9	306	78	0.456	15	103	2	0
Manganese	14	357	2.17	11	79%	4	2660	453	1.88	50	4	2	0
Mercury	14	1.66	0.712	1	7%	0.32	0.32	0.32	0	2	0	0	0
Silver	5	0.572	1.43	0	0%	0	0	0	0	100	0	0	0
Zinc	116	186	0.726	107	92%	10	851	202	0.642	30	105	11	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Adit and Seep Drainage - Total Metals Concentrations

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (ug/l)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (ug/l)	Max. Value (ug/l)	Avg. Value (ug/l)	Coefficient of Variation	Screening Value (ug/l)	>1x SL	>10x SL	>100x SL
Basin-Wide Summary													
Antimony	86	2.7	1.61	43	50%	0.29	8.2	3.4	0.651	6	7	0	0
Arsenic	107	4.38	1.47	47	44%	0.13	27	2.8	1.88	50	0	0	0
Cadmium	490	7.5	3.05	403	82%	0.1	396	8.92	2.8	2	308	24	1
Copper	112	11.9	3.12	51	46%	0.21	310	19	2.82	1	41	11	3
Iron	104	704	3.62	70	67%	5.6	23100	1040	2.94	300	25	6	0
Lead	438	85.4	2.92	403	92%	0.082	2920	92.3	2.8	15	310	28	5
Manganese	112	187	2.25	96	86%	0.6	2660	217	2.05	50	49	12	0
Mercury	110	0.531	1.76	3	3%	0.17	0.32	0.23	0.345	2	0	0	0
Silver	87	0.878	1.67	4	5%	0.043	10.7	2.89	1.8	100	0	0	0
Zinc	484	964	3.6	461	95%	4	61400	1010	3.51	30	453	265	16

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Sediments

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Big Creek													
Antimony	1	623	0	1	100%	623	623	623	0	3.3	1	1	1
Arsenic	1	22	0	1	100%	22	22	22	0	13.6	1	0	0
Cadmium	1	9.11	0	1	100%	9.11	9.11	9.11	0	1.56	1	0	0
Copper	1	70.8	0	1	100%	70.8	70.8	70.8	0	32.3	1	0	0
Iron	1	39900	0	1	100%	39900	39900	39900	0	40000	0	0	0
Lead	1	1900	0	1	100%	1900	1900	1900	0	51.5	1	1	0
Manganese	1	3060	0	1	100%	3060	3060	3060	0	1210	1	0	0
Mercury	1	0.54	0	1	100%	0.54	0.54	0.54	0	0.179	1	0	0
Silver	1	8.42	0	1	100%	8.42	8.42	8.42	0	4.5	1	0	0
Zinc	1	1470	0	1	100%	1470	1470	1470	0	200	1	0	0
Canyon Creek													
Antimony	44	30.5	2.03	28	64%	0.84	288	46.1	1.59	3.3	22	8	0
Arsenic	61	20.6	1.51	61	100%	1.4	215	20.6	1.51	13.6	23	1	0
Cadmium	106	16.8	1.97	98	92%	0.0308	186	18.2	1.88	1.56	83	26	2
Copper	77	124	1.68	77	100%	6.9	1500	124	1.68	32.3	44	6	0
Iron	110	37900	1.93	110	100%	1980	547000	37900	1.93	40000	22	2	0
Lead	107	5950	2.02	107	100%	4.11	74500	5950	2.02	51.5	92	71	30
Manganese	60	1310	1.19	60	100%	101	10100	1310	1.19	1210	17	0	0
Mercury	54	2.07	2.07	35	65%	0.07	24	3.18	1.57	0.179	28	16	1
Silver	54	13.4	2.06	31	57%	0.22	126	23.2	1.44	4.5	23	4	0
Zinc	108	4440	2.81	108	100%	32.9	110000	4440	2.81	200	89	28	10

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Sediments

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Lower Coeur d'Alene River													
Antimony	86	31.2	0.824	81	94%	1.6	129	33.1	0.764	3	65	47	0
Arsenic	88	157	1.15	88	100%	2	990	157	1.15	12.6	65	41	0
Cadmium	117	16.4	1.09	111	95%	0.916	158	17.3	1.04	0.678	111	87	2
Copper	104	92.4	0.649	104	100%	7	270	92.4	0.649	28	79	0	0
Iron	116	68800	0.67	116	100%	2.16	192000	68800	0.67	40000	79	0	0
Lead	117	2640	0.876	117	100%	11.5	12900	2640	0.876	47.3	96	91	10
Manganese	88	4360	0.809	88	100%	64	15800	4360	0.809	630	66	32	0
Mercury	83	2.39	1.12	63	76%	0.02	13	3.13	0.848	0.179	58	44	0
Silver	85	10.1	0.827	65	76%	0.287	36.8	13.2	0.537	4.5	60	0	0
Zinc	119	1810	0.921	119	100%	44	12500	1810	0.921	97.1	112	88	1
Main Stem Coeur d'Alene													
Arsenic	2	79.3	0.0838	2	100%	74.6	84	79.3	0.0838	13.6	2	0	0
Cadmium	2	16.4	0.31	2	100%	12.8	20	16.4	0.31	1.56	2	1	0
Copper	2	66	0.122	2	100%	60.3	71.7	66	0.122	32.3	2	0	0
Iron	2	38300	0.0148	2	100%	37900	38700	38300	0.0148	40000	0	0	0
Lead	17	4020	1.37	17	100%	91	17000	4020	1.37	51.5	17	10	5
Manganese	2	3090	0.103	2	100%	2860	3310	3090	0.103	1210	2	0	0
Zinc	2	1390	0.214	2	100%	1180	1600	1390	0.214	200	2	0	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Sediments

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Nine Mile Creek													
Antimony	22	21.2	2.4	14	64%	1.1	241	32.4	1.91	3.3	13	4	0
Arsenic	25	19.8	1.17	25	100%	1.6	105	19.8	1.17	13.6	9	0	0
Cadmium	34	31	1.89	31	91%	0.945	298	34	1.78	1.56	29	19	2
Copper	32	120	0.699	32	100%	9.5	381	120	0.699	32.3	27	1	0
Iron	34	51700	1.21	34	100%	8770	296000	51700	1.21	40000	11	0	0
Lead	35	7020	1.39	35	100%	20.7	54100	7020	1.39	51.5	33	30	17
Manganese	25	1670	1.04	25	100%	226	6830	1670	1.04	1210	12	0	0
Mercury	22	1.85	1.68	16	73%	0.0587	9.5	2.53	1.35	0.179	13	4	0
Silver	22	9.98	0.982	19	86%	1.68	39.5	11.5	0.836	4.5	14	0	0
Zinc	35	8610	3.23	35	100%	66.6	166000	8610	3.23	200	32	20	2
Pine Creek													
Antimony	62	7.08	1.65	43	69%	0.897	59.7	7.26	1.87	3.3	14	2	0
Arsenic	62	52.7	1.44	62	100%	2.79	347	52.7	1.44	13.6	41	8	0
Cadmium	62	6.22	2.76	55	89%	0.417	122	6.98	2.6	1.56	36	4	0
Copper	61	68.7	1.84	61	100%	9.84	779	68.7	1.84	32.3	26	2	0
Iron	62	23100	0.695	62	100%	8480	103000	23100	0.695	40000	6	0	0
Lead	62	1130	1.56	62	100%	83.9	8260	1130	1.56	51.5	62	31	4
Manganese	62	535	0.546	62	100%	18.6	1340	535	0.546	1210	1	0	0
Mercury	62	0.327	2.16	36	58%	0.0507	4.6	0.536	1.63	0.179	19	2	0
Silver	62	2.31	1.72	54	87%	0.27	26.6	2.57	1.64	4.5	6	0	0
Zinc	62	1360	1.86	62	100%	113	16900	1360	1.86	200	59	8	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Sediments

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Prichard Creek													
Arsenic	1	170	0	1	100%	170	170	170	0	13.6	1	1	0
Cadmium	1	330	0	1	100%	330	330	330	0	1.56	1	1	1
Copper	1	250	0	1	100%	250	250	250	0	32.3	1	0	0
Iron	1	28000	0	1	100%	28000	28000	28000	0	40000	0	0	0
Lead	1	3000	0	1	100%	3000	3000	3000	0	51.5	1	1	0
Manganese	1	1200	0	1	100%	1200	1200	1200	0	1210	0	0	0
Zinc	1	68000	0	1	100%	68000	68000	68000	0	200	1	1	1
South Fork													
Antimony	101	74.7	1.09	92	91%	0.983	364	81.8	1.01	3.3	90	67	4
Arsenic	127	132	0.806	127	100%	3.81	710	132	0.806	13.6	116	53	0
Cadmium	125	52.1	1.28	125	100%	5	472	52.1	1.28	1.56	125	94	8
Copper	127	205	0.786	127	100%	17	823	205	0.786	32.3	120	27	0
Iron	126	67800	0.619	126	100%	1.79	177000	67800	0.619	40000	88	0	0
Lead	136	9360	1.21	136	100%	20	60600	9360	1.21	51.5	135	131	61
Manganese	124	6340	0.597	124	100%	500	20200	6340	0.597	1210	121	11	0
Mercury	93	5.99	1.15	93	100%	0.02	25.1	5.99	1.15	0.179	84	66	13
Silver	99	25.6	1.3	97	98%	0.6	171	26.2	1.28	4.5	86	16	0
Zinc	127	5710	1.2	127	100%	44	51000	5710	1.2	200	126	97	5

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Sediments

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Upper South Fork													
Antimony	7	3.3	1.54	2	29%	0.948	14.7	7.82	1.24	3.3	1	0	0
Arsenic	8	17.6	0.72	7	88%	3.19	28.4	14	0.592	13.6	3	0	0
Cadmium	8	13.1	2.1	8	100%	1.61	81	13.1	2.1	1.56	8	1	0
Copper	8	87.4	0.412	8	100%	34.1	139	87.4	0.412	32.3	8	0	0
Iron	8	37600	0.949	8	100%	6160	121000	37600	0.949	40000	2	0	0
Lead	8	2600	1.75	8	100%	527	13800	2600	1.75	51.5	8	8	1
Manganese	8	3700	1.35	8	100%	391	15700	3700	1.35	1210	6	1	0
Mercury	7	0.742	1.69	7	100%	0.0533	3.55	0.742	1.69	0.179	4	1	0
Silver	7	6.41	1.29	7	100%	0.896	24.9	6.41	1.29	4.5	2	0	0
Zinc	8	2820	1.57	8	100%	305	13700	2820	1.57	200	8	1	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Sediments

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Basin-Wide Summary													
Antimony	86	31.2	0.824	81	94%	1.6	129	33.1	0.764	3	65	47	0
Antimony	237	44	1.77	180	76%	0.84	623	56.8	1.51	3.3	141	82	5
Arsenic	88	157	1.15	88	100%	2	990	157	1.15	12.6	65	41	0
Arsenic	287	77.4	1.22	286	100%	1.4	710	77.5	1.22	13.6	196	63	0
Cadmium	117	16.4	1.09	111	95%	0.916	158	17.3	1.04	0.678	111	87	2
Cadmium	339	30.1	1.82	321	95%	0.0308	472	31.8	1.75	1.56	285	146	13
Copper	104	92.4	0.649	104	100%	7	270	92.4	0.649	28	79	0	0
Copper	309	145	1.16	309	100%	6.9	1500	145	1.16	32.3	229	36	0
Iron	460	52900	1.02	460	100%	1.79	547000	52900	1.02	40000	208	2	0
Lead	117	2640	0.876	117	100%	11.5	12900	2640	0.876	47.3	96	91	10
Lead	367	6320	1.65	367	100%	4.11	74500	6320	1.65	51.5	349	283	118
Manganese	88	4360	0.809	88	100%	64	15800	4360	0.809	630	66	32	0
Manganese	283	3460	1.1	283	100%	18.6	20200	3460	1.1	1210	160	12	0
Mercury	322	2.9	1.68	251	78%	0.02	25.1	3.71	1.41	0.179	207	133	14
Silver	330	13.8	1.71	274	83%	0.22	171	16.5	1.51	4.5	192	20	0
Zinc	119	1810	0.921	119	100%	44	12500	1810	0.921	97.1	112	88	1
Zinc	344	4900	2.58	344	100%	32.9	166000	4900	2.58	200	318	155	18

NOTE: Basin-Wide Summary displays separate summary results by analyte fo
different sediment screening levels in the Upper and Lower Basin.

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Tailings

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Beaver Creek													
Arsenic	3	95.3	0.147	3	100%	82	110	95.3	0.147	13.6	3	0	0
Cadmium	3	3.27	0.433	3	100%	2.4	4.9	3.27	0.433	1.56	3	0	0
Copper	3	79.7	0.56	3	100%	45	130	79.7	0.56	32.3	3	0	0
Iron	3	35300	0.201	3	100%	29000	43000	35300	0.201	40000	1	0	0
Lead	3	1670	0.689	3	100%	920	3000	1670	0.689	51.5	3	3	0
Manganese	3	1080	0.306	3	100%	740	1400	1080	0.306	1210	1	0	0
Zinc	3	550	1.02	3	100%	200	1200	550	1.02	200	2	0	0
Canyon Creek													
Antimony	2	28.1	0.406	2	100%	20	36.1	28.1	0.406	3.3	2	1	0
Arsenic	3	12.8	0.82	3	100%	5.8	24.8	12.8	0.82	13.6	1	0	0
Cadmium	3	21	1.55	2	67%	4.3	58.6	31.5	1.22	1.56	2	1	0
Copper	3	126	1.36	3	100%	17.1	323	126	1.36	32.3	2	0	0
Iron	3	16500	0.378	3	100%	12200	23700	16500	0.378	40000	0	0	0
Lead	3	7270	1.55	3	100%	26.4	20200	7270	1.55	51.5	2	2	1
Manganese	3	1530	1.08	3	100%	564	3450	1530	1.08	1210	1	0	0
Mercury	3	1.85	1.57	2	67%	0.31	5.2	2.76	1.26	0.179	2	1	0
Silver	3	18.6	1.49	2	67%	5.3	50.3	27.8	1.14	4.5	2	1	0
Zinc	3	3400	1.51	3	100%	93.3	9300	3400	1.51	200	2	1	0
Moon Creek													
Arsenic	1	960	0	1	100%	960	960	960	0	13.6	1	1	0
Cadmium	1	3	0	1	100%	3	3	3	0	1.56	1	0	0
Copper	1	390	0	1	100%	390	390	390	0	32.3	1	1	0
Iron	1	41000	0	1	100%	41000	41000	41000	0	40000	1	0	0
Lead	1	8600	0	1	100%	8600	8600	8600	0	51.5	1	1	1
Manganese	1	140	0	1	100%	140	140	140	0	1210	0	0	0
Zinc	1	1000	0	1	100%	1000	1000	1000	0	200	1	0	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Tailings

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Pine Creek													
Antimony	18	40.8	2.45	15	83%	3.1	437	47	2.32	3.3	14	3	1
Arsenic	18	115	1.03	18	100%	17.6	523	115	1.03	13.6	18	6	0
Cadmium	18	22.1	1.49	13	72%	6.6	122	30.5	1.16	1.56	13	5	0
Copper	18	211	1.66	17	94%	22.6	1430	224	1.6	32.3	16	2	0
Iron	18	42100	0.784	18	100%	7960	128000	42100	0.784	40000	7	0	0
Lead	18	3930	0.63	18	100%	776	8260	3930	0.63	51.5	18	18	4
Manganese	18	1160	1.73	18	100%	16.1	8990	1160	1.73	1210	4	0	0
Mercury	18	1.74	0.863	17	94%	0.23	4.6	1.83	0.813	0.179	17	7	0
Silver	18	8.92	1.38	18	100%	0.76	56.1	8.92	1.38	4.5	11	1	0
Zinc	18	4670	1.1	18	100%	408	16900	4670	1.1	200	18	12	0
Basin-Wide Summary													
Antimony	20	39.5	2.4	17	85%	3.1	437	44.8	2.28	3.3	16	4	1
Arsenic	25	134	1.5	25	100%	5.8	960	134	1.5	13.6	23	7	0
Cadmium	25	18.9	1.58	19	76%	2.4	122	24.9	1.3	1.56	19	6	0
Copper	25	193	1.59	24	96%	17.1	1430	201	1.55	32.3	22	3	0
Iron	25	38200	0.764	25	100%	7960	128000	38200	0.764	40000	9	0	0
Lead	25	4250	0.993	25	100%	26.4	20200	4250	0.993	51.5	24	24	6
Manganese	25	1160	1.54	25	100%	16.1	8990	1160	1.54	1210	6	0	0
Mercury	21	1.75	0.947	19	90%	0.23	5.2	1.93	0.854	0.179	19	8	0
Silver	21	10.3	1.43	20	95%	0.76	56.1	10.8	1.38	4.5	13	2	0
Zinc	25	3880	1.24	25	100%	93.3	16900	3880	1.24	200	23	13	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Waste Rock

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Beaver Creek													
Arsenic	1	99	0	1	100%	99	99	99	0	13.6	1	0	0
Cadmium	1	3.5	0	1	100%	3.5	3.5	3.5	0	1.56	1	0	0
Copper	1	59	0	1	100%	59	59	59	0	32.3	1	0	0
Iron	1	49000	0	1	100%	49000	49000	49000	0	40000	1	0	0
Lead	1	630	0	1	100%	630	630	630	0	51.5	1	1	0
Manganese	1	1600	0	1	100%	1600	1600	1600	0	1210	1	0	0
Zinc	1	160	0	1	100%	160	160	160	0	200	0	0	0
Big Creek													
Arsenic	5	84.5	0.858	2	40%	85	210	148	0.599	13.6	2	1	0
Cadmium	5	1.96	0.288	5	100%	1.3	2.7	1.96	0.288	1.56	3	0	0
Copper	5	22	0.64	5	100%	11	45	22	0.64	32.3	1	0	0
Iron	5	20200	0.478	5	100%	8200	35000	20200	0.478	40000	0	0	0
Lead	5	46.4	0.906	5	100%	18	120	46.4	0.906	51.5	1	0	0
Manganese	5	1080	0.9	5	100%	120	2700	1080	0.9	1210	1	0	0
Zinc	5	83.8	1.23	5	100%	7	250	83.8	1.23	200	1	0	0
Moon Creek													
Arsenic	1	410	0	1	100%	410	410	410	0	13.6	1	1	0
Cadmium	1	13	0	1	100%	13	13	13	0	1.56	1	0	0
Copper	1	87	0	1	100%	87	87	87	0	32.3	1	0	0
Iron	1	44000	0	1	100%	44000	44000	44000	0	40000	1	0	0
Lead	1	1200	0	1	100%	1200	1200	1200	0	51.5	1	1	0
Manganese	1	830	0	1	100%	830	830	830	0	1210	0	0	0
Zinc	1	1100	0	1	100%	1100	1100	1100	0	200	1	0	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Waste Rock

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Nine Mile Creek													
Antimony	1	2.8	0	1	100%	2.8	2.8	2.8	0	3.3	0	0	0
Arsenic	1	10	0	1	100%	10	10	10	0	13.6	0	0	0
Cadmium	1	16.4	0	1	100%	16.4	16.4	16.4	0	1.56	1	1	0
Copper	1	81.1	0	1	100%	81.1	81.1	81.1	0	32.3	1	0	0
Iron	1	27900	0	1	100%	27900	27900	27900	0	40000	0	0	0
Lead	1	3230	0	1	100%	3230	3230	3230	0	51.5	1	1	0
Manganese	1	798	0	1	100%	798	798	798	0	1210	0	0	0
Mercury	1	2.2	0	1	100%	2.2	2.2	2.2	0	0.179	1	1	0
Silver	1	5.3	0	1	100%	5.3	5.3	5.3	0	4.5	1	0	0
Zinc	1	3160	0	1	100%	3160	3160	3160	0	200	1	1	0
Prichard Creek													
Arsenic	4	988	1.11	4	100%	110	2400	988	1.11	13.6	4	3	1
Cadmium	4	14.7	0.643	4	100%	2.9	26	14.7	0.643	1.56	4	2	0
Copper	4	268	1.24	4	100%	45	760	268	1.24	32.3	4	1	0
Iron	4	60300	0.467	4	100%	33000	91000	60300	0.467	40000	2	0	0
Lead	4	3320	1.1	4	100%	120	8100	3320	1.1	51.5	4	3	1
Manganese	4	843	0.366	4	100%	580	1200	843	0.366	1210	0	0	0
Zinc	4	2910	0.934	4	100%	140	6500	2910	0.934	200	3	2	0
Upper South Fork													
Arsenic	3	56.7	0.433	1	33%	85	85	85	0	13.6	1	0	0
Cadmium	3	5.03	0.74	3	100%	0.78	7.7	5.03	0.74	1.56	2	0	0
Copper	3	1140	0.798	3	100%	130	1900	1140	0.798	32.3	3	2	0
Iron	3	71100	1.45	3	100%	4400	190000	71100	1.45	40000	1	0	0
Lead	3	603	1.29	3	100%	150	1500	603	1.29	51.5	3	1	0
Manganese	3	3410	1.05	3	100%	930	7500	3410	1.05	1210	2	0	0
Zinc	3	604	1.57	3	100%	15	1700	604	1.57	200	1	0	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Floodplain Waste Rock

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Basin-Wide Summary													
Antimony	1	2.8	0	1	100%	2.8	2.8	2.8	0	3.3	0	0	0
Arsenic	15	337	1.94	10	67%	10	2400	485	1.59	13.6	9	5	1
Cadmium	15	7.78	0.974	15	100%	0.78	26	7.78	0.974	1.56	12	3	0
Copper	15	323	1.79	15	100%	11	1900	323	1.79	32.3	11	3	0
Iron	15	45100	1.03	15	100%	4400	190000	45100	1.03	40000	5	0	0
Lead	15	1360	1.66	15	100%	18	8100	1360	1.66	51.5	11	7	1
Manganese	15	1480	1.2	15	100%	120	7500	1480	1.2	1210	4	0	0
Mercury	1	2.2	0	1	100%	2.2	2.2	2.2	0	0.179	1	1	0
Silver	1	5.3	0	1	100%	5.3	5.3	5.3	0	4.5	1	0	0
Zinc	15	1220	1.52	15	100%	7	6500	1220	1.52	200	7	3	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Upland Concentrates and Process Wastes

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Prichard Creek													
Arsenic	3	140	0.247	3	100%	100	160	140	0.247	22	3	0	0
Cadmium	3	213	0.222	3	100%	160	250	213	0.222	9.8	3	3	0
Copper	3	603	0.463	3	100%	300	850	603	0.463	100	3	0	0
Iron	3	24300	0.335	3	100%	15000	30000	24300	0.335	65000	0	0	0
Lead	3	18500	1.01	3	100%	7100	40000	18500	1.01	171	3	3	1
Manganese	3	1030	0.308	3	100%	680	1300	1030	0.308	3597	0	0	0
Zinc	3	53700	0.205	3	100%	43000	65000	53700	0.205	280	3	3	3
Basin-Wide Summary													
Arsenic	3	140	0.247	3	100%	100	160	140	0.247	22	3	0	0
Cadmium	3	213	0.222	3	100%	160	250	213	0.222	9.8	3	3	0
Copper	3	603	0.463	3	100%	300	850	603	0.463	100	3	0	0
Iron	3	24300	0.335	3	100%	15000	30000	24300	0.335	65000	0	0	0
Lead	3	18500	1.01	3	100%	7100	40000	18500	1.01	171	3	3	1
Manganese	3	1030	0.308	3	100%	680	1300	1030	0.308	3597	0	0	0
Zinc	3	53700	0.205	3	100%	43000	65000	53700	0.205	280	3	3	3

Metals Concentrations - Statistical Summary By Source Type and Watershed
Upland Tailings

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Canyon Creek													
Antimony	6	54	1.71	6	100%	1.7	239	54	1.71	31.3	2	0	0
Arsenic	6	34.3	1.06	6	100%	5.8	97	34.3	1.06	22	3	0	0
Cadmium	20	23	2.19	20	100%	0.0679	186	23	2.19	9.8	5	2	0
Copper	13	239	1.41	13	100%	5.65	1220	239	1.41	100	6	1	0
Iron	21	41300	0.905	21	100%	2270	154000	41300	0.905	65000	3	0	0
Lead	20	12500	1.36	20	100%	63.4	63700	12500	1.36	171	18	13	5
Manganese	6	1790	0.527	6	100%	882	3020	1790	0.527	3597	0	0	0
Mercury	6	3.52	1.38	6	100%	0.19	13	3.52	1.38	23.5	0	0	0
Silver	6	39.1	1.39	5	83%	0.59	126	46.7	1.22	391	0	0	0
Zinc	19	3960	2.2	19	100%	43.5	30000	3960	2.2	280	11	4	1
Nine Mile Creek													
Antimony	18	30.5	3.56	10	56%	1.8	466	50.9	2.87	31.3	1	1	0
Arsenic	18	28.7	1.26	16	89%	1.1	148	32.2	1.14	22	8	0	0
Cadmium	32	27.6	2.26	29	91%	0.45	298	30.5	2.14	9.8	16	2	0
Copper	28	295	2.69	28	100%	9.4	4190	295	2.69	100	14	2	0
Iron	33	47900	0.719	33	100%	10000	129000	47900	0.719	65000	7	0	0
Lead	34	6920	1.53	34	100%	6.5	46600	6920	1.53	171	28	22	4
Manganese	18	1340	0.707	18	100%	310	3210	1340	0.707	3597	0	0	0
Mercury	18	2.77	1.99	14	78%	0.09	21	3.56	1.7	23.5	0	0	0
Silver	18	9.88	1.85	13	72%	2.3	77.7	13.6	1.51	391	0	0	0
Zinc	34	11700	2.97	34	100%	41.1	166000	11700	2.97	280	24	13	2

Metals Concentrations - Statistical Summary By Source Type and Watershed
Upland Tailings

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Pine Creek													
Antimony	4	13.8	0.578	0	0%	0	0	0	0	31.3	0	0	0
Arsenic	4	53.5	0.702	4	100%	15.9	89.6	53.5	0.702	22	3	0	0
Cadmium	4	8.1	0.713	3	75%	5.7	14.4	10.4	0.423	9.8	2	0	0
Copper	4	105	1.15	4	100%	32.4	284	105	1.15	100	1	0	0
Iron	4	35500	0.261	4	100%	24100	45800	35500	0.261	65000	0	0	0
Lead	4	923	0.926	4	100%	192	1940	923	0.926	171	4	1	0
Manganese	4	1040	0.353	4	100%	492	1270	1040	0.353	3597	0	0	0
Mercury	4	0.114	0.589	0	0%	0	0	0	0	23.5	0	0	0
Silver	4	1.62	0.816	2	50%	1	3.5	2.25	0.786	391	0	0	0
Zinc	4	1930	0.678	4	100%	388	3580	1930	0.678	280	4	1	0
Basin-Wide Summary													
Antimony	28	33.1	2.89	16	57%	1.7	466	52.1	2.4	31.3	3	1	0
Arsenic	28	33.4	1.08	26	93%	1.1	148	36	1	22	14	0	0
Cadmium	56	24.6	2.27	52	93%	0.0679	298	26.4	2.17	9.8	23	4	0
Copper	45	262	2.47	45	100%	5.65	4190	262	2.47	100	21	3	0
Iron	58	44700	0.768	58	100%	2270	154000	44700	0.768	65000	10	0	0
Lead	58	8420	1.56	58	100%	6.5	63700	8420	1.56	171	50	36	9
Manganese	28	1400	0.642	28	100%	310	3210	1400	0.642	3597	0	0	0
Mercury	28	2.55	1.94	20	71%	0.09	21	3.54	1.58	23.5	0	0	0
Silver	28	15	2.04	20	71%	0.59	126	20.7	1.67	391	0	0	0
Zinc	57	8460	3.25	57	100%	41.1	166000	8460	3.25	280	39	18	3

Metals Concentrations - Statistical Summary By Source Type and Watershed
Upland Waste Rock

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Big Creek													
Arsenic	2	71.3	0.571	1	50%	100	100	100	0	22	1	0	0
Cadmium	2	2.8	0.808	2	100%	1.2	4.4	2.8	0.808	9.8	0	0	0
Copper	2	22	0.321	2	100%	17	27	22	0.321	100	0	0	0
Iron	2	15500	0.502	2	100%	10000	21000	15500	0.502	65000	0	0	0
Lead	2	163	1.2	2	100%	25	300	163	1.2	171	1	0	0
Manganese	2	660	0.0857	2	100%	620	700	660	0.0857	3597	0	0	0
Zinc	2	402	1.33	2	100%	24	780	402	1.33	280	1	0	0
Canyon Creek													
Antimony	13	55.7	1.53	13	100%	1.3	242	55.7	1.53	31.3	5	0	0
Arsenic	15	287	3.21	14	93%	5.8	3610	304	3.13	22	10	1	1
Cadmium	59	14.6	2.18	58	98%	0.0255	186	14.8	2.16	9.8	17	2	0
Copper	30	275	1.22	30	100%	5.65	1220	275	1.22	100	16	2	0
Iron	61	47000	1.04	61	100%	2270	225000	47000	1.04	65000	13	0	0
Lead	55	8060	1.67	55	100%	1.78	63700	8060	1.67	171	45	27	10
Manganese	15	1900	0.535	15	100%	560	3450	1900	0.535	3597	0	0	0
Mercury	14	2.74	1.32	12	86%	0.19	13	3.19	1.17	23.5	0	0	0
Silver	14	44	1.38	11	79%	0.59	157	55.8	1.14	391	0	0	0
Zinc	56	2630	2.25	56	100%	1.4	30000	2630	2.25	280	34	9	1
Moon Creek													
Arsenic	2	1500	0.189	2	100%	1300	1700	1500	0.189	22	2	2	0
Cadmium	2	57.5	1.29	2	100%	4.9	110	57.5	1.29	9.8	1	1	0
Copper	2	830	0.971	2	100%	260	1400	830	0.971	100	2	1	0
Iron	2	96000	0.206	2	100%	82000	110000	96000	0.206	65000	2	0	0
Lead	2	5740	1.3	2	100%	480	11000	5740	1.3	171	2	1	0
Manganese	2	91.5	0.286	2	100%	73	110	91.5	0.286	3597	0	0	0
Zinc	2	8120	1.37	2	100%	230	16000	8120	1.37	280	1	1	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Upland Waste Rock

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Nine Mile Creek													
Antimony	18	30.5	3.56	10	56%	1.8	466	50.9	2.87	31.3	1	1	0
Arsenic	18	28.7	1.26	16	89%	1.1	148	32.2	1.14	22	8	0	0
Cadmium	32	27.6	2.26	29	91%	0.45	298	30.5	2.14	9.8	16	2	0
Copper	28	295	2.69	28	100%	9.4	4190	295	2.69	100	14	2	0
Iron	33	47900	0.719	33	100%	10000	129000	47900	0.719	65000	7	0	0
Lead	34	6920	1.53	34	100%	6.5	46600	6920	1.53	171	28	22	4
Manganese	18	1340	0.707	18	100%	310	3210	1340	0.707	3597	0	0	0
Mercury	18	2.77	1.99	14	78%	0.09	21	3.56	1.7	23.5	0	0	0
Silver	18	9.88	1.85	13	72%	2.3	77.7	13.6	1.51	391	0	0	0
Zinc	34	11700	2.97	34	100%	41.1	166000	11700	2.97	280	24	13	2
Pine Creek													
Antimony	1	6.88	0	0	0%	0	0	0	0	31.3	0	0	0
Arsenic	1	26.7	0	1	100%	26.7	26.7	26.7	0	22	1	0	0
Cadmium	1	5.7	0	1	100%	5.7	5.7	5.7	0	9.8	0	0	0
Copper	1	38.4	0	1	100%	38.4	38.4	38.4	0	100	0	0	0
Iron	1	45800	0	1	100%	45800	45800	45800	0	65000	0	0	0
Lead	1	241	0	1	100%	241	241	241	0	171	1	0	0
Manganese	1	492	0	1	100%	492	492	492	0	3597	0	0	0
Mercury	1	0.055	0	0	0%	0	0	0	0	23.5	0	0	0
Silver	1	0.46	0	0	0%	0	0	0	0	391	0	0	0
Zinc	1	1780	0	1	100%	1780	1780	1780	0	280	1	0	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Upland Waste Rock

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
South Fork													
Arsenic	3	537	0.169	3	100%	470	640	537	0.169	22	3	3	0
Cadmium	3	17.7	0.643	3	100%	6.2	29	17.7	0.643	9.8	2	0	0
Copper	3	290	0.182	3	100%	250	350	290	0.182	100	3	0	0
Iron	3	85700	0.265	3	100%	65000	110000	85700	0.265	65000	2	0	0
Lead	3	4800	0.811	3	100%	910	8700	4800	0.811	171	3	2	0
Manganese	3	718	1.55	3	100%	35	2000	718	1.55	3597	0	0	0
Zinc	3	3020	1.06	3	100%	950	6700	3020	1.06	280	3	1	0
Upper South Fork													
Arsenic	1	92	0	1	100%	92	92	92	0	22	1	0	0
Cadmium	1	5.2	0	1	100%	5.2	5.2	5.2	0	9.8	0	0	0
Copper	1	70	0	1	100%	70	70	70	0	100	0	0	0
Iron	1	77000	0	1	100%	77000	77000	77000	0	65000	1	0	0
Lead	1	21000	0	1	100%	21000	21000	21000	0	171	1	1	1
Manganese	1	4200	0	1	100%	4200	4200	4200	0	3597	1	0	0
Zinc	1	60	0	1	100%	60	60	60	0	280	0	0	0

Metals Concentrations - Statistical Summary By Source Type and Watershed
Upland Waste Rock

	ALL SAMPLES			DETECTS ONLY							Exceedances		
Analyte	No. Samples Analyzed	Avg. Value (mg/kg)	Coefficient of Variation	No. Detects Analyzed	% of Samples	Min. Value (mg/kg)	Max. Value (mg/kg)	Avg. Value (mg/kg)	Coefficient of Variation	Screening Value (mg/kg)	>1x SL	>10x SL	>100x SL
Basin-Wide Summary													
Antimony	32	40	2.43	23	72%	1.3	466	53.6	2.1	31.3	6	1	0
Arsenic	42	231	2.74	38	90%	1.1	3610	253	2.62	22	26	6	1
Cadmium	100	19.3	2.29	96	96%	0.0255	298	20.1	2.23	9.8	36	5	0
Copper	67	287	2	67	100%	5.65	4190	287	2	100	35	5	0
Iron	103	49000	0.889	103	100%	2270	225000	49000	0.889	65000	25	0	0
Lead	98	7410	1.62	98	100%	1.78	63700	7410	1.62	171	81	53	15
Manganese	42	1450	0.764	42	100%	35	4200	1450	0.764	3597	1	0	0
Mercury	33	2.68	1.74	26	79%	0.09	21	3.39	1.48	23.5	0	0	0
Silver	33	24.1	1.85	24	73%	0.59	157	32.9	1.5	391	0	0	0
Zinc	99	5810	3.65	99	100%	1.4	166000	5810	3.65	280	64	24	3