

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 1. Reference Environment General Parameters (2005-2007)

STATION	DATE	Color CU	Conductivity-L µS/cm	Hardness mg/L	Ammonia mg/L	pH-F pH unit	Sulfate mg/L	TSS mg/L	Turbidity NTU
Benchmark		7	303	158	0.030	6.58-8.16	20.3	3	0.76
FC	25-Sep-07		29	12.2	< 0.005	6.85	1.2	2	
FC	25-Oct-07					6.84			
FC	25-Oct-07		37	12.9	< 0.005		2.6	< 1	
FC	21-Nov-07		37	13.8	< 0.005	6.45	2.4	< 1	
FC	13-Dec-07		41	16	< 0.005	8.01	2.9	< 1	
FC	Total # samples		4	4	4	4	4	4	
FC	Median		37	13.4	0.0025	6.85	2.5	0.5	
FC	MEAN		36	13.7	0.0025	7.04	2.28	0.875	
FC	STD		5.03	1.65	0	0.67	0.75	0.75	
FC	MINIMUM		29	12.2	< 0.005	6.45	1.2	< 1	
FC	MAXIMUM		41	16	< 0.005	8.01	2.9	2	
FC	# samples < MDL		0	0	4	0	0	3	
FC	% samples < MDL		0	0	100	0	0	75	
FC	Maximum MDL				< 0.005			< 1	
FC	25th Percentile		35	12.7	0.0025	6.74	2.10	0.5	
FC	75th Percentile		38	14.4	0.0025	7.14	2.67	0.875	
P1	26-Sep-07		292	154	< 0.005	8.2	55.5	5	
P1	24-Oct-07		350	174	< 0.005	8.39	62.5	3	
P1	22-Nov-07		390	214	< 0.005	7.4	68.5	1	
P1	14-Dec-07		400	216	0.006	8.31	67.3	< 1	
P1	Total # samples		4	4	4	4	4	4	
P1	Median		358	190	0.00338	8.08	63.5	2.38	
P1	MEAN		370	194	0.0025	8.26	64.9	2	
P1	STD		49.0	30.6	0.0018	0.457	5.9	2.06	
P1	MINIMUM		292	154	< 0.005	7.4	55.5	< 1	
P1	MAXIMUM		400	216	0.006	8.39	68.5	5	
P1	# samples < MDL		0	0	3	0	0	1	
P1	% samples < MDL		0	0	75	0	0	25	
P1	Maximum MDL				< 0.005			< 1	
P1	25th Percentile		336	169	0.0025	8.0	60.8	0.875	
P1	75th Percentile		393	215	0.0034	8.3	67.6	3.5	
R6	29-Mar-05	< 5	382	261	< 0.01	7.5	80.1	< 1	0.31
R6	17-Aug-05	5	240	158	< 0.01	8	19.3	2	0.35
R6	21-Feb-06	< 5	317	170	0.01	7.9	20.4	< 1	0.67
R6	7-Aug-06	< 5	277	144	< 0.01	8.1	20	< 1	0.36
R6	20-Feb-07	< 5	301	166	0.02	8.3	19.5	< 1	0.7
R6	17-Aug-07	7	263	132	< 0.01	8.1	20.2	< 1	0.42
R6	26-Sep-07		264	141	< 0.005	8.21	19.6	< 1	
R6	24-Oct-07		307	155	< 0.005	8.1	24	< 1	
R6	22-Nov-07		310	157	< 0.005	7.85	24.7	< 1	
R6	14-Dec-07		320	166	< 0.005	7.99	23.5	2	
R6	Total # samples	6	10	10	10	10	10	10	6
R6	Median	2.5	304	158	0.005	8.05	20.3	0.5	0.39
R6	MEAN	3.67	298	165	0.006	8.01	27.1	0.8	0.468
R6	STD	1.91	39.9	35.8	0.0054	0.22	18.7	0.63	0.17
R6	MINIMUM	< 5	240	132	< 0.005	7.5	19.3	< 1	0.310
R6	MAXIMUM	7	382	261	0.02	8.3	80.1	2	0.700
R6	# samples < MDL	4	0	0	8	0	0	8	0
R6	% samples < MDL	67	0	0	80	0	0	80	0
R6	Maximum MDL	< 5			< 0.01			< 1	
R6	25th Percentile	2.5	267	147	0.0025	7.92	19.7	0.5	0.352
R6	75th Percentile	4.38	315	166	0.005	8.10	23.9	0.5	0.607

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 2. Reference Environment Total Metals (2005-2007)

STATION	DATE	AG-T mg/L	AL-T mg/L	AS-T mg/L	BA-T mg/L	BE-T mg/L	BI-T mg/L	B-T mg/L	CA-T mg/L	CD-T mg/L	CN-T mg/L	CO-T mg/L	CR-T mg/L	CU-T mg/L	FE-T mg/L
	Benchmark	<0.00005	0.156	<0.001	0.088	<0.001	<0.001	<0.05	44.9	0.00004		<0.001	<0.001	0.002	0.246
FC	25-Sep-07	< 0.000005	0.0797	0.0002	0.0129	< 0.00001	< 0.000005	< 0.005	3.54	0.00001		0.00005	0.001	0.0009	0.066
FC	25-Oct-07	< 0.000005	0.037	0.0001	0.0156	0.00001	< 0.000005	< 0.005	3.91	0.000013		0.000018	0.0001	0.00047	0.033
FC	21-Nov-07	< 0.000005	0.0322	0.00006	0.0172	< 0.00001	< 0.000005	< 0.005	4.27	0.000009		0.000015	0.0001	0.00051	0.031
FC	13-Dec-07	< 0.000005	0.0293	0.00008	0.0176	< 0.00001	< 0.000005	< 0.005	4.87	0.000009		0.000019	0.0001	0.00039	0.024
FC	Total # samples	4	4	4	4	4	4	4	4	4		4	4	4	4
FC	Median	0.0000025	0.0346	0.00009	0.0164	0.000005	0.0000025	0.0025	4.09	0.0000095		0.0000185	0.0001	0.00049	0.032
FC	MEAN	0.0000025	0.0446	0.00011	0.0158	0.0000063	0.0000025	0.0025	4.15	0.0000103		0.0000255	0.000325	0.000568	0.0385
FC	STD	0	0.0236	0.0001	0.0021	0	0	0	0.566	0		0	0.0004	0.0002	0.0187
FC	MINIMUM	< 0.000005	0.0293	0.00006	0.0129	< 0.00001	< 0.000005	< 0.005	3.54	0.000009		0.000015	0.0001	0.00039	0.024
FC	MAXIMUM	< 0.000005	0.0797	0.0002	0.0176	< 0.00001	< 0.000005	< 0.005	4.87	0.000013		0.00005	0.001	0.0009	0.066
FC	# samples < MDL	4	0	0	0	3	4	4	0	0		0	0	0	0
FC	% samples < MDL	100	0	0	0	75	100	100	0	0		0	0	0	0
FC	Maximum MDL	< 0.000005				< 0.00001	< 0.000005	< 0.005							
FC	25th Percentile	0.000002	0.0315	0.00007	0.0149	0.000005	0.000002	0.0025	3.82	0.000009		0.00002	0.0001	0.00045	0.0293
FC	75th Percentile	0.000002	0.0477	0.000125	0.0173	0.000006	0.000002	0.0025	4.42	0.000011		0.00003	0.000325	0.000607	0.0412
P1	26-Sep-07	< 0.000005	0.137	0.0003	0.0755	< 0.00001	< 0.000005	< 0.005	39.9	0.00015		0.00015	0.001	0.0015	0.253
P1	24-Oct-07	< 0.000005	0.0397	0.00049	0.0785	< 0.00001	< 0.000005	< 0.005	45.5	0.000219		0.000077	0.0001	0.00091	0.163
P1	22-Nov-07	0.000007	0.0238	0.00042	0.0846	< 0.00001	< 0.000005	< 0.005	55.5	0.000172		0.000041	0.0001	0.00087	0.082
P1	14-Dec-07	< 0.000005	0.009	0.00033	0.0885	< 0.00001	< 0.000005	< 0.005	56.8	0.000169		0.000026	< 0.0001	0.0007	0.04
P1	Total # samples	4	4	4	4	4	4	4	4	4		4	4	4	4
P1	Median	0.000004	0.052375	0.000385	0.081775	0.000005	0.0000025	0.0025	49.425	0.0001775		0.0000735	0.0003125	0.000995	0.135
P1	MEAN	0.0000025	0.03175	0.000375	0.08155	0.000005	0.0000025	0.0025	50.5	0.0001705		0.000059	0.0001	0.00089	0.123
P1	STD	0	0.0578	0.0001	0.0059	0	0	0	8.1123	0		0.0001	0.0005	0.0003	0.0941
P1	MINIMUM	< 0.000005	0.009	0.0003	0.0755	< 0.00001	< 0.000005	< 0.005	39.9	0.00015		0.000026	< 0.0001	0.0007	0.04
P1	MAXIMUM	0.000007	0.137	0.00049	0.0885	< 0.00001	< 0.000005	< 0.005	56.8	0.000219		0.00015	0.001	0.0015	0.253
P1	# samples < MDL	3	0	0	0	4	4	4	0	0		0	1	0	0
P1	% samples < MDL	75	0	0	0	100	100	100	0	0		0	25	0	0
P1	Maximum MDL	< 0.000005				< 0.00001	< 0.000005	< 0.005					< 0.0001		
P1	25th Percentile	0.0000025	0.0201	0.00032	0.078	0.0000050	0.0000025	0.0025	44.1	0.00016		0.000037	0.000087	0.0008	0.071
P1	75th Percentile	0.0000036	0.0640	0.00044	0.086	0.0000050	0.0000025	0.0025	55.8	0.00018		0.000095	0.000325	0.0011	0.186
R6	29-Mar-05	0.0017	0.017	< 0.001	0.094	< 0.001	< 0.001	< 0.05	77.8	< 0.0002		< 0.001	< 0.001	< 0.001	0.11
R6	17-Aug-05	< 0.00025	0.028	< 0.001	0.068	< 0.001	< 0.001	< 0.05	43.7	< 0.0002		< 0.001	< 0.001	< 0.001	< 0.05
R6	21-Feb-06	< 0.00025	0.14	< 0.001	0.093	< 0.001	< 0.001	< 0.05	49.5	< 0.0002		< 0.001	0.003	0.003	0.18
R6	7-Aug-06	< 0.00025	0.019	< 0.001	0.064	< 0.001	< 0.001	< 0.05	40	< 0.0002		< 0.001	< 0.001	< 0.001	0.12
R6	20-Feb-07	< 0.00025	0.013	< 0.001	0.092	< 0.001	< 0.001	< 0.05	48.7	< 0.0002		< 0.001	< 0.001	< 0.001	0.09
R6	17-Aug-07	< 0.00025	0.014	< 0.001	0.078	< 0.001	< 0.001	< 0.05	35.3	< 0.0002		< 0.001	< 0.001	< 0.001	0.16
R6	26-Sep-07	< 0.000005	0.0316	< 0.00002	0.0642	< 0.00001	< 0.000005	< 0.005	39.6	0.00002		0.00005	0.0017	0.0007	0.148
R6	24-Oct-07	0.00002	0.0079	0.00045	0.0761	< 0.00001	< 0.000005	< 0.005	44.1	0.000019		0.000036	0.0001	0.00043	0.101
R6	22-Nov-07	< 0.000005	0.0067	0.00029	0.0887	< 0.00001	< 0.000005	< 0.005	46	0.00001		0.000013	< 0.0001	0.00035	0.051
R6	14-Dec-07	< 0.000005	0.0141	0.00045	0.0878	< 0.00001	< 0.000005	< 0.005	47.7	0.000013		0.000042	0.0001	0.00036	0.147
R6	Total # samples	10	10	10	10	10	10	10	10	10		10	10	10	10

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 2. Reference Environment Total Metals (2005-2007)

STATION	DATE	HG-T mg/L	K-T mg/L	LI-T mg/L	MG-T mg/L	MN-T mg/L	MO-T mg/L	NA-T mg/L	NI-T mg/L	PB-T mg/L	P-T mg/L	SB-T mg/L	SE-T mg/L	SI-T mg/L
	Benchmark	<0.00002	1.4		10.74	0.0264	0.00118	3.41	<0.001	<0.001		<0.001	<0.001	
FC	25-Sep-07		0.142	0.0012	0.83	0.00261	0.00006	2.18	< 0.00002	0.00032	< 0.005	0.00006	< 0.00004	6.29
FC	25-Oct-07		0.13	0.002	0.76	0.00105	0.00005	1.8	0.00022	0.000104	< 0.005	< 0.00002	< 0.00004	5.87
FC	21-Nov-07		0.16	0.0019	0.77	0.00089	0.00008	1.69	0.00024	0.000152	< 0.005	< 0.00002	< 0.00004	7.43
FC	13-Dec-07		0.17	0.0025	0.94	0.0007	0.00008	2.07	0.00023	0.000088	< 0.005	< 0.00002	< 0.00004	7.54
FC	Total # samples		4	4	4	4	4	4	4	4	4	4	4	4
FC	Median		0.151	0.00195	0.8	0.00097	0.00007	1.94	0.000225	0.000128	0.0025	0.00001	0.00002	6.86
FC	MEAN		0.151	0.0019	0.825	0.00131	0.000068	1.94	0.000175	0.000166	0.0025	0.00002	0.00002	6.78
FC	STD		0.0179	0.0005	0.0827	0.0009	0	0.228	0.0001	0.0001	0	0	0	0.830
FC	MINIMUM		0.13	0.0012	0.76	0.0007	0.00005	1.69	< 0.00002	0.000088	< 0.005	< 0.00002	< 0.00004	5.87
FC	MAXIMUM		0.17	0.0025	0.94	0.00261	0.00008	2.18	0.00024	0.00032	< 0.005	0.00006	< 0.00004	7.54
FC	# samples < MDL		0	0	0	0	0	0	1	0	4	3	4	0
FC	% samples < MDL		0	0	0	0	0	0	25	0	100	75	100	0
FC	Maximum MDL								< 0.00002		< 0.005	< 0.00002	< 0.00004	
FC	25th Percentile		0.138999999	0.00173	0.767	0.00084	0.00006	1.77	0.000167	0.0001	0.0025	0.00001	0.00002	6.18
FC	75th Percentile		0.162	0.00213	0.857	0.00144	8E-05	2.10	0.000233	0.000194	0.0025	0.00002	0.00002	7.46
P1	26-Sep-07		0.665	0.0026	13.1	0.0212	0.0012	2.12	0.0049	0.00025	0.011	0.00018	0.0008	3.08
P1	24-Oct-07		0.69	0.0039	14.7	0.0204	0.0013	2.25	0.00452	0.00013	0.007	0.00019	0.00094	2.87
P1	22-Nov-07		0.88	0.0039	18.4	0.0119	0.00126	2.4	0.00471	0.000135	0.005	0.0002	0.00124	4.16
P1	14-Dec-07		0.88	0.0041	18.1	0.0117	0.00116	2.43	0.00406	0.00007	< 0.005	0.00017	0.0012	3.76
P1	Total # samples		4	4	4	4	4	4	4	4	4	4	4	4
P1	Median		0.779	0.003625	16.1	0.0163	0.00123	2.3	0.0045475	0.00014725	0.006375	0.000185	0.001045	3.4675
P1	MEAN		0.785	0.0039	16.4	0.01615	0.00123	2.325	0.004615	0.0001325	0.006	0.000185	0.00107	3.42
P1	STD		0.117	0.0007	2.60	0.0052	0.0001	0.1435	0.0004	0.0001	0.0036	0	0.0002	0.5979
P1	MINIMUM		0.665	0.0026	13.1	0.0117	0.00116	2.12	0.00406	0.00007	< 0.005	0.00017	0.0008	2.87
P1	MAXIMUM		0.88	0.0041	18.4	0.0212	0.0013	2.43	0.0049	0.00025	0.011	0.0002	0.00124	4.16
P1	# samples < MDL		0	0	0	0	0	0	0	0	1	0	0	0
P1	% samples < MDL		0	0	0	0	0	0	0	0	25	0	0	0
P1	Maximum MDL										< 0.005			
P1	25th Percentile		0.684	0.0036	14.3	0.012	0.001	2.2	0.0044	0.00012	0.00437	0.00018	0.00090	3.0
P1	75th Percentile		0.880	0.0039	18.2	0.021	0.001	2.4	0.0048	0.00016	0.00800	0.00019	0.00121	3.9
R6	29-Mar-05	< 0.00002	1.9	0.004	16	0.018	0.0014	5.5	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	12.8
R6	17-Aug-05	< 0.00002	1	0.001	11.8	0.014	0.001	1.41	< 0.001	< 0.001	< 0.15	< 0.001	0.002	8.8
R6	21-Feb-06	< 0.00002	1.4	0.003	11.3	0.014	0.0013	2.38	0.002	< 0.001	< 0.15	< 0.001	< 0.001	5.4
R6	7-Aug-06	< 0.00002	0.9	0.002	10.6	0.012	0.0011	1.66	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	4.4
R6	20-Feb-07	< 0.00002	1.4	0.002	10.7	0.011	0.0012	2.18	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	5
R6	17-Aug-07	< 0.00002	1	< 0.005	10.7	0.01	0.0009	1.66	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	3.4
R6	26-Sep-07		0.988	0.0015	10.4	0.0171	0.0011	2.06	< 0.00002	0.0002	< 0.005	0.00011	0.0007	4.03
R6	24-Oct-07		1.11	0.0023	10.8	0.0188	0.00125	2.16	0.00027	0.000091	< 0.005	0.00013	0.00071	4
R6	22-Nov-07		1.15	0.0022	10.3	0.00512	0.00129	1.69	0.00023	0.000017	< 0.005	0.00013	0.0008	4.89
R6	14-Dec-07		1.2	0.0024	11.3	0.0208	0.00116	2.04	0.00025	0.000034	< 0.005	0.0001	0.00073	4.81
R6	Total # samples	6	10	10	10	10	10	10	10	10	10	10	10	10

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 2. Reference Environment Total Metals (2005-2007)

STATION	DATE	SN-T mg/L	SR-T mg/L	TI-T mg/L	TL-T mg/L	U-T mg/L	V-T mg/L	ZN-T mg/L	ZR-T mg/L
	Benchmark	<0.0005	0.18	0.004	<0.0001	0.0025	<0.001	0.0164	<0.005
FC	25-Sep-07	< 0.00001	0.0222	0.0014	< 0.000002	0.00015	0.00014	0.0061	0.00028
FC	25-Oct-07	< 0.00001	0.0264	0.0007	< 0.000002	0.000123	< 0.0002	0.0018	< 0.0001
FC	21-Nov-07	< 0.00001	0.0261	< 0.0005	0.000002	0.0001	0.0003	0.0021	< 0.0001
FC	13-Dec-07	< 0.00001	0.0296	< 0.0005	0.000002	0.00009	< 0.0002	0.0015	< 0.0001
FC	Total # samples	4	4	4	4	4	4	4	4
FC	Median	0.000005	0.0263	0.000475	0.0000015	0.0001115	0.00012	0.00195	0.00005
FC	MEAN	0.000005	0.0261	0.00065	0.0000015	0.00012	0.00016	0.00288	0.00011
FC	STD	0	0.003	0.0005	0	0	0.0001	0.0022	0.0001
FC	MINIMUM	< 0.00001	0.0222	< 0.0005	< 0.000002	0.00009	0.00014	0.0015	< 0.0001
FC	MAXIMUM	< 0.00001	0.0296	0.0014	< 0.000002	0.00015	0.0003	0.0061	0.00028
FC	# samples < MDL	4	0	2	2	0	2	0	3
FC	% samples < MDL	100	0	50	50	0	50	0	75
FC	Maximum MDL	< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
FC	25th Percentile	0.000005	0.0251	0.00025	0.000001	0.00010	0.0001	0.00173	0.00005
FC	75th Percentile	0.000005	0.0272	0.000875	0.000002	0.00013	0.00018	0.0031	0.00011
P1	26-Sep-07	< 0.00001	0.164	0.0027	< 0.000002	0.00131	0.0007	0.0184	0.00018
P1	24-Oct-07	0.00001	0.202	0.0009	0.000003	0.00171	< 0.0002	0.0142	< 0.0001
P1	22-Nov-07	0.00002	0.222	0.001	0.000003	0.00189	< 0.0002	0.017	< 0.0001
P1	14-Dec-07	< 0.00001	0.224	< 0.0005	0.000003	0.00199	< 0.0002	0.0234	< 0.0001
P1	Total # samples	4	4	4	4	4	4	4	4
P1	Median	0.00001	0.203	0.0012125	0.0000025	0.001725	0.00025	0.0183	0.00008
P1	MEAN	0.000008	0.212	0.00095	0.000003	0.0018	0.0001	0.0177	0.00005
P1	STD	0	0.0278	0.001	0	0.0003	0.0003	0.0039	0.0001
P1	MINIMUM	< 0.00001	0.164	< 0.0005	< 0.000002	0.00131	< 0.0002	0.0142	< 0.0001
P1	MAXIMUM	0.00002	0.224	0.0027	0.000003	0.00199	0.0007	0.0234	0.00018
P1	# samples < MDL	2	0	1	1	0	3	0	3
P1	% samples < MDL	50	0	25	25	0	75	0	75
P1	Maximum MDL	< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
P1	25th Percentile	0.000005	0.19	0.0007	0.000002	0.0016	0.0001	0.0163	0.00005
P1	75th Percentile	0.000012	0.22	0.0014	0.000003	0.0019	0.0002	0.0197	0.00008
R6	29-Mar-05	< 0.001	0.25	< 0.001	< 0.0001	0.0031	< 0.001	0.006	< 0.01
R6	17-Aug-05	< 0.001	0.12	< 0.001	< 0.0001	0.0017	< 0.001	< 0.005	< 0.01
R6	21-Feb-06	0.002	0.14	< 0.001	< 0.0001	0.0023	< 0.001	0.006	< 0.01
R6	7-Aug-06	< 0.001	0.11	< 0.001	< 0.0001	0.0015	< 0.001	< 0.005	< 0.01
R6	20-Feb-07	< 0.001	0.14	< 0.001	< 0.0001	0.0022	< 0.001	< 0.005	< 0.01
R6	17-Aug-07	< 0.001	0.11	< 0.001	< 0.0001	0.0018	< 0.001	< 0.005	< 0.01
R6	26-Sep-07	< 0.00001	0.106	0.0008	< 0.000002	0.00165	0.00017	0.005	0.00012
R6	24-Oct-07	0.00001	0.134	0.0006	< 0.000002	0.00219	< 0.0002	0.0009	0.0004
R6	22-Nov-07	< 0.00001	0.139	< 0.0005	< 0.000002	0.00231	< 0.0002	0.0004	< 0.0001
R6	14-Dec-07	< 0.00001	0.14	< 0.0005	< 0.000002	0.0023	< 0.0002	0.0006	< 0.0001
R6	Total # samples	10	10	10	10	10	10	10	10

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	AG-T mg/L	AL-T mg/L	AS-T mg/L	BA-T mg/L	BE-T mg/L	BI-T mg/L	B-T mg/L	CA-T mg/L	CD-T mg/L	CN-T mg/L	CO-T mg/L	CR-T mg/L	CU-T mg/L	FE-T mg/L
R6	Median	0.000125	0.0156	0.0005	0.0829	0.0005	0.0005	0.025	45.1	0.0001		0.0005	0.0005	0.0005	0.115
R6	MEAN	0.000235	0.0291	0.00042	0.0806	0.000302	0.000301	0.016	47.2	0.000066		0.000314	0.000745	0.000734	0.1132
R6	STD	0.0005	0.0397	0.0002	0.0121	0.0003	0.0003	0.0116	11.6	0		0.0002	0.0009	0.0008	0.0488
R6	MINIMUM	< 0.000005	0.0067	< 0.00002	0.064	< 0.00001	< 0.000005	< 0.005	35.3	0.00001		0.000013	< 0.0001	0.00035	< 0.05
R6	MAXIMUM	0.0017	0.14	< 0.001	0.094	< 0.001	< 0.001	< 0.05	77.8	< 0.0002		< 0.001	0.003	0.003	0.18
R6	# samples < MDL	8	0	7	0	10	10	10	0	6		6	6	5	1
R6	% samples < MDL	80	0	70	0	100	100	100	0	60		60	60	50	10
R6	Maximum MDL	< 0.00025		< 0.001		< 0.001	< 0.001	< 0.05		< 0.0002		< 0.001	< 0.001	< 0.001	< 0.05
R6	25th Percentile	0.000007	0.0133	0.00045	0.0700	0.000005	0.000002	0.0025	40.9	0.00002		0.00004	0.0002	0.00045	0.093
R6	75th Percentile	0.000125	0.0257	0.0005	0.0912	0.0005	0.0005	0.025	48.5	0.00010		0.00050	0.0005	0.0005	0.148

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	HG-T mg/L	K-T mg/L	LI-T mg/L	MG-T mg/L	MN-T mg/L	MO-T mg/L	NA-T mg/L	NI-T mg/L	PB-T mg/L	P-T mg/L	SB-T mg/L	SE-T mg/L	SI-T mg/L
R6	Median	0.00001	1.13	0.00225	10.8	0.014	0.00118	2.05	0.0005	0.0005	0.075	0.0005	0.0006	4.85
R6	MEAN	0.00001	1.20	0.00229	11.4	0.0141	0.00117	2.27	0.000526	0.000334	0.046	0.000347	0.000744	5.75
R6	STD	0	0.297	0.0008	1.68	0.0047	0.0002	1.17	0.0005	0.0002	0.0374	0.0002	0.0005	2.88
R6	MINIMUM	< 0.00002	0.9	0.001	10.3	0.00512	0.0009	1.41	< 0.00002	0.00002	< 0.005	0.0001	0.0007	3.4
R6	MAXIMUM	< 0.00002	1.9	< 0.005	16	0.0208	0.0014	5.5	0.002	< 0.001	< 0.15	< 0.001	0.002	12.8
R6	# samples < MDL	6	0	1	0	0	0	0	6	6	10	6	5	0
R6	% samples < MDL	100	0	10	0	0	0	0	60	60	100	60	50	0
R6	Maximum MDL	< 0.00002		< 0.005					< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	
R6	25th Percentile	0.00001	1	0.002	10.6	0.0112	0.0011	1.67	0.000255	0.00012	0.0025	0.00013	0.0005	4.12
R6	75th Percentile	0.00001	1.35	0.00248	11.30000005	0.0178	0.00128	2.18	0.0005	0.0005	0.075000001	0.0005	0.000725	5.30

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	SN-T mg/L	SR-T mg/L	TI-T mg/L	TL-T mg/L	U-T mg/L	V-T mg/L	ZN-T mg/L	ZR-T mg/L
R6	Median	0.0005	0.137	0.0005	0.00005	0.00220	0.0005	0.0025	0.005
R6	MEAN	0.000453	0.139	0.00049	0.0000304	0.00211	0.000347	0.00289	0.00306
R6	STD	0.0006	0.0415	0.0002	0	0.0005	0.0002	0.0021	0.0025
R6	MINIMUM	< 0.00001	0.106	< 0.0005	< 0.000002	0.0015	0.00017	0.0004	< 0.0001
R6	MAXIMUM	0.002	0.25	< 0.001	< 0.0001	0.0031	< 0.001	0.006	< 0.01
R6	# samples < MDL	8	0	8	10	0	9	4	8
R6	% samples < MDL	80	0	80	100	0	90	40	80
R6	Maximum MDL	< 0.001		< 0.001	< 0.0001		< 0.001	< 0.005	< 0.01
R6	25th Percentile	0.000006	0.1125	0.0005	0.000001	0.00173	0.00012	0.0013	0.00019
R6	75th Percentile	0.000500	0.1400	0.0005	0.000050	0.0023	0.0005	0.00437	0.005

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 3. Reference Environment Dissolved Metals (2005-2007)

STATION	DATE	AG-D mg/L	AL-D mg/L	AS-D mg/L	BA-D mg/L	B-D mg/L	BE-D mg/L	BI-D mg/L	CA-D mg/L	CD-D mg/L	CO-D mg/L	CR-D mg/L	CU-D mg/L	FE-D mg/L	HG-D mg/L	K-D mg/L	LI-D mg/L	MG-D mg/L	MN-D mg/L
FC	25-Sep-07	< 0.000005	0.0647	< 0.00002	0.0143	< 0.005	< 0.00001	< 0.000005	3.42	0.00002	0.00014	0.0008	0.001	0.05		0.139	0.0017	0.72	0.00217
FC	25-Oct-07	< 0.000005	0.0362	0.0001	0.0161	< 0.005	0.00002	< 0.000005	4.14	0.000041	0.000021	0.0002	0.0006	0.03		0.15	0.0018	0.79	0.00162
FC	21-Nov-07	< 0.000005	0.0321	0.00009	0.0164	< 0.005	0.00001	< 0.000005	4.54	0.00001	0.000017	0.0001	0.00055	0.027		0.17	0.002	0.92	0.00077
FC	13-Dec-07	< 0.000005	0.0277	0.00009	0.017	0.005	< 0.00001	< 0.000005	4.89	0.00001	0.000018	0.0002	0.00044	0.018		0.19	0.0025	0.96	0.00047
FC	Total # samples	4	4	4	4	4	4	4	4	4	4	4	4	4		4	4	4	4
FC	Median	0.000025	0.0342	0.00009	0.0163	0.0025	0.0000075	0.000025	4.34	0.000015	0.0000195	0.0002	0.000575	0.0285		0.16	0.0019	0.855	0.00120
FC	MEAN	0.000025	0.0402	0.000073	0.0160	0.00313	0.00001	0.000025	4.25	0.0000203	0.000049	0.000325	0.000648	0.0313		0.162	0.002	0.848	0.00126
FC	STD	0	0.0167	0	0.0012	0.0012	0	0	0.631	0	0.0001	0.0003	0.0002	0.0135		0.0225	0.0004	0.112	0.0008
FC	MINIMUM	< 0.000005	0.0277	< 0.00002	0.0143	< 0.005	< 0.00001	< 0.000005	3.42	0.00001	0.000017	0.0001	0.00044	0.018		0.139	0.0017	0.72	0.00047
FC	MAXIMUM	< 0.000005	0.0647	0.0001	0.017	< 0.005	0.00002	< 0.000005	4.89	0.000041	0.00014	0.0008	0.001	0.05		0.19	0.0025	0.96	0.00217
FC	# samples < MDL	4	0	1	0	3	2	4	0	0	0	0	0	0		0	0	0	0
FC	% samples < MDL	100	0	25	0	75	50	100	0	0	0	0	0	0		0	0	0	0
FC	Maximum MDL	< 0.000005		< 0.00002		< 0.005	< 0.00001	< 0.000005											
FC	25th Percentile	0.000002	0.031	0.00007	0.0156	0.0025	0.000005	0.000002	3.96	0.00001	0.00002	0.000175	0.00052	0.0247		0.147	0.00178	0.773	0.000695
FC	75th Percentile	0.000002	0.0433	0.000093	0.0166	0.00312	0.000012	0.000002	4.63	0.00003	0.00005	0.00035	0.0007	0.034999999		0.175000001	0.00213	0.930	0.00176
P1	26-Sep-07	< 0.000005	0.0316	0.0004	0.0704	< 0.005	< 0.00001	< 0.000005	41.3	0.00013	0.00011	< 0.0001	0.0012	0.056		0.632	0.003	13.7	0.00595
P1	24-Oct-07	< 0.000005	0.0177	0.00041	0.0801	< 0.005	< 0.00001	< 0.000005	46.6	0.000162	0.000038	0.0001	0.00083	0.066		0.71	0.0037	14.9	0.015
P1	22-Nov-07	< 0.000005	0.0083	0.00037	0.0841	< 0.005	< 0.00001	< 0.000005	55	0.000148	0.000023	< 0.0001	0.0009	0.034		0.89	0.0038	18.2	0.00933
P1	14-Dec-07	< 0.000005	0.0027	0.0003	0.0951	< 0.005	< 0.00001	< 0.000005	56.8	0.000152	0.000019	< 0.0001	0.00069	0.012		0.85	0.0041	18.3	0.0108
P1	Total # samples	4	4	4	4	4	4	4	4	4	4	4	4	4		4	4	4	4
P1	Median	0.000025	0.0151	0.00037	0.0824	0.0025	0.000005	0.000025	49.9	0.000148	0.0000475	0.0000625	0.000905	0.042		0.771	0.00365	16.3	0.01027
P1	MEAN	0.000025	0.013	0.000385	0.0821	0.0025	0.000005	0.000025	50.8	0.00015	0.0000305	0.00005	0.000865	0.045		0.780	0.00375	16.6	0.010065
P1	STD	0	0.0126	0	0.0102	0	0	0	7.3	0	0	0	0.0002	0.0241		0.120	0.0005	2.33	0.0038
P1	MINIMUM	< 0.000005	0.0027	0.0003	0.0704	< 0.005	< 0.00001	< 0.000005	41.3	0.00013	0.000019	< 0.0001	0.00069	0.012		0.632	0.003	13.7	0.00595
P1	MAXIMUM	< 0.000005	0.0316	0.00041	0.0951	< 0.005	< 0.00001	< 0.000005	56.8	0.000162	0.00011	< 0.0001	0.0012	0.066		0.890	0.0041	18.3	0.015
P1	# samples < MDL	4	0	0	0	4	4	4	0	0	0	3	0	0		0	0	0	0
P1	% samples < MDL	100	0	0	0	100	100	100	0	0	0	75	0	0		0	0	0	0
P1	Maximum MDL	< 0.000005				< 0.005	< 0.00001	< 0.000005				< 0.0001							
P1	25th Percentile	0.000025	0.007	0.00035	0.078	0.002	0.000005	0.000002	45.3	0.00014	0.00002	0.00005	0.0008	0.0285		0.691	0.0035	14.6	0.0085
P1	75th Percentile	0.000025	0.021	0.00040	0.087	0.002	0.000005	0.000002	55.5	0.00015	0.00006	0.00006	0.0010	0.058500001		0.860	0.0039	18.2	0.0119
R6	29-Mar-05	< 0.00025	< 0.005	< 0.001	0.092	< 0.05	< 0.001	< 0.001	71.7	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		1.6	0.004	14.7	0.002
R6	17-Aug-05	< 0.00025	0.005	< 0.001	0.058	< 0.05	< 0.001	< 0.001	38.1	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		0.7	< 0.001	10.3	0.01
R6	21-Feb-06	< 0.00025	0.077	< 0.001	0.081	< 0.05	< 0.001	< 0.001	43.2	< 0.0002	< 0.001	0.002	0.001	0.06		1.2	0.002	9.96	0.006
R6	7-Aug-06	< 0.00025	0.006	< 0.001	0.055	< 0.05	< 0.001	< 0.001	35.4	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		0.7	0.001	9.47	0.005
R6	20-Feb-07	< 0.00025	< 0.005	< 0.001	0.081	< 0.05	< 0.001	< 0.001	44.2	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		1.1	0.002	9.69	0.004
R6	17-Aug-07	< 0.00025	0.005	< 0.001	0.073	< 0.05	< 0.001	< 0.001	33.7	< 0.0002	< 0.001	< 0.001	< 0.001	0.07		0.9	< 0.005	10.1	0.006
R6	26-Sep-07	< 0.000005	0.0118	0.0003	0.0653	< 0.005	< 0.00001	< 0.000005	41.4	0.00002	0.00013	< 0.0001	0.0008	0.1		0.985	0.0018	10.6	0.0132
R6	24-Oct-07	< 0.000005	0.0068	0.00041	0.0763	< 0.005	< 0.00001	< 0.000005	44.6	0.000077	0.000044	0.001	0.00101	0.071		1.14	0.0021	10.8	0.0186
R6	22-Nov-07	< 0.000005	0.0047	0.00034	0.0814	< 0.005	< 0.00001	< 0.000005	50.5	0.000016	0.000011	0.0001	0.00051	0.03		1.28	0.0024	12.6	0.00377
R6	14-Dec-07	< 0.000005	0.0025	0.00033	0.09	< 0.005	< 0.00001	< 0.000005	49	0.000018	0.00002	< 0.0001	0.00039	0.041		1.25	0.0025	11.7	0.00894
R6	Total # samples	10	10	10	10	10	10	10	10	10	10	10	10	10		10	10	10	10
R6	Median	0.000125	0.005	0.0005	0.0787	0.025	0.0005	0.0005	43.7	0.0001	0.0005	0.0005	0.0005	0.0355		1.12	0.00205	10.5	0.006
R6	MEAN	0.000076	0.0124	0.000438	0.0753	0.016	0.000302	0.000301	45.2	0.0000731	0.0003205	0.00057	0.000621	0.0472		1.09	0.00208	11.0	0.00775
R6	STD	0.0001	0.0229	0.0001	0.0125	0.0116	0.0003	0.0003	10.8	0	0.0002	0.0006	0.0002	0.0265		0.276	0.0009	1.61	0.0051
R6	MINIMUM	< 0.000005	0.0025	0.0003	0.055	< 0.005	< 0.00001	< 0.000005	33.7	0.000016	0.000011	< 0.0001	0.00039	0.03		0.7	< 0.001	9.47	0.002
R6	MAXIMUM	< 0.00025	0.077	< 0.001	0.092	< 0.05	< 0.001	< 0.001	71.7	< 0.0002	< 0.001	0.002	0.00101	0.1		1.6	< 0.005	14.7	0.0186
R6	# samples < MDL	10	2	6	0	10	10	10	0	6	6	7	5	4		0	2	0	0

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 3. Reference Environment Dissolved Metals (2005-2007)

STATION	DATE	MO-D mg/L	NA-D mg/L	NI-D mg/L	PB-D mg/L	P-D mg/L	SB-D mg/L	SE-D mg/L	SI-D mg/L	SN-D mg/L	SR-D mg/L	TI-D mg/L	TL-D mg/L	U-D mg/L	V-D mg/L	ZN-D mg/L	ZR-D mg/L
FC	25-Sep-07	0.00005	2.45	< 0.00002	0.00041		0.00083	< 0.00004	6.4	< 0.00001	0.023	0.001	< 0.000002	0.00014	0.00012	0.006	0.00024
FC	25-Oct-07	0.00006	1.85	0.00029	0.000271		0.00002	< 0.00004	6.27	0.00002	0.0266	0.0005	0.000002	0.000118	< 0.0002	0.0053	< 0.0001
FC	21-Nov-07	0.00007	1.98	0.00028	0.000198		0.00003	< 0.00004	6.77	< 0.00001	0.0274	< 0.0005	< 0.000002	0.00012	< 0.0002	0.0025	< 0.0001
FC	13-Dec-07	0.00009	2.16	0.00023	0.000065		0.00004	< 0.00004	7.6	< 0.00001	0.0287	< 0.0005	0.000004	0.000085	0.0003	0.0017	< 0.0001
FC	Total # samples	4	4	4	4		4	4	4	4	4	4	4	4	4	4	4
FC	Median	0.000065	2.07	0.000255	0.000235		0.000035	0.00002	6.59	0.000005	0.027	0.000375	0.000015	0.000119	0.00011	0.0039	0.00005
FC	MEAN	0.000068	2.11	0.000203	0.000236		0.00023	0.00002	6.76	0.0000088	0.0264	0.0005	0.000002	0.000116	0.000155	0.00388	0.00010
FC	STD	0	0.260	0.0001	0.0001		0.0004	0	0.5987	0	0.0024	0.0004	0	0	0.0001	0.0021	0.0001
FC	MINIMUM	0.00005	1.85	< 0.00002	0.000065		0.00002	< 0.00004	6.27	< 0.00001	0.023	< 0.0005	< 0.000002	0.000085	0.00012	0.0017	< 0.0001
FC	MAXIMUM	0.00009	2.45	0.00029	0.00041		0.00083	< 0.00004	7.6	0.00002	0.0287	0.001	0.000004	0.00014	0.0003	0.006	0.00024
FC	# samples < MDL	0	0	1	0		0	4	0	3	0	2	2	0	2	0	3
FC	% samples < MDL	0	0	25	0		0	100	0	75	0	50	50	0	50	0	75
FC	Maximum MDL			< 0.00002				< 0.00004		< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
FC	25th Percentile	0.00006	1.95	0.000175	0.000165		0.00003	0.00002	6.37	0.000005	0.0257	0.00025	0.000001	0.000110	0.0001	0.0023	0.00005
FC	75th Percentile	0.00008	2.23	0.000283	0.000306		0.00024	0.00002	6.98	0.000009	0.0277	0.000625	0.000002	0.000125	0.0002	0.00547	0.00010
P1	26-Sep-07	0.00119	2.42	0.0044	0.00016		0.00105	0.0013	3.03	< 0.00001	0.177	0.0011	< 0.000002	0.00134	0.0002	0.0104	0.00012
P1	24-Oct-07	0.00138	2.06	0.00432	0.000082		0.00019	0.00084	2.81	< 0.00001	0.208	0.0005	0.000003	0.00174	< 0.0002	0.0112	< 0.0001
P1	22-Nov-07	0.00126	2.39	0.00446	0.000053		0.0002	0.0012	4.11	< 0.00001	0.216	< 0.0005	0.000003	0.00182	< 0.0002	0.0157	< 0.0001
P1	14-Dec-07	0.00124	2.47	0.00421	0.000017		0.00018	0.00128	4.05	< 0.00001	0.23	< 0.0005	0.000004	0.00208	< 0.0002	0.0234	< 0.0001
P1	Total # samples	4	4	4	4		4	4	4	4	4	4	4	4	4	4	4
P1	Median	0.0012675	2.34	0.00435	0.000078		0.000405	0.001155	3.50	0.000005	0.208	0.000525	0.000003	0.00175	0.000125	0.0152	0.00007
P1	MEAN	0.00125	2.41	0.00436	0.00007		0.000195	0.00124	3.54	0.000005	0.212	0.000375	0.000003	0.00178	0.0001	0.0135	0.00005
P1	STD	0.0001	0.186	0.0001	0.0001		0.0004	0.0002	0.676	0	0.0224	0.00040	0	0.0003	0	0.006	0
P1	MINIMUM	0.00119	2.06	0.00421	0.000017		0.00018	0.00084	2.81	< 0.00001	0.177	< 0.0005	< 0.000002	0.00134	< 0.0002	0.0104	< 0.0001
P1	MAXIMUM	0.00138	2.47	0.00446	0.00016		0.00105	0.0013	4.11	< 0.00001	0.23	0.0011	0.000004	0.00208	< 0.0002	0.0234	0.00012
P1	# samples < MDL	0	0	0	0		0	0	0	4	0	2	1	0	3	0	3
P1	% samples < MDL	0	0	0	0		0	0	0	100	0	50	25	0	75	0	75
P1	Maximum MDL									< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
P1	25th Percentile	0.0012	2.31	0.00429	0.000044		0.0002	0.0011	2.97	0.000005	0.200	0.0003	0.000002	0.0016	0.0001	0.01	0.00005
P1	75th Percentile	0.0013	2.43	0.00441	0.000101		0.0004	0.0013	4.07	0.000005	0.219500004	0.0007	0.000003	0.0019	0.0001	0.02	0.00007
R6	29-Mar-05	0.0011	4.99	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	11.5	< 0.001	0.22	< 0.001	< 0.0001	0.0028	< 0.001	< 0.005	< 0.01
R6	17-Aug-05	0.0009	1.17	< 0.001	< 0.001	< 0.15	< 0.001	0.002	8.1	< 0.001	0.11	< 0.001	< 0.0001	0.0015	< 0.001	< 0.005	< 0.01
R6	21-Feb-06	0.0012	2.06	0.002	< 0.001	< 0.15	< 0.001	< 0.001	5.1	0.001	0.12	< 0.001	< 0.0001	0.002	< 0.001	< 0.005	< 0.01
R6	7-Aug-06	0.0009	1.47	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	3.9	< 0.001	0.097	< 0.001	< 0.0001	0.0012	< 0.001	< 0.005	< 0.01
R6	20-Feb-07	0.0011	1.91	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	4.9	< 0.001	0.12	< 0.001	< 0.0001	0.002	< 0.001	< 0.005	< 0.01
R6	17-Aug-07	0.0008	1.57	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	3.2	< 0.001	0.1	< 0.001	< 0.0001	0.0017	< 0.001	< 0.005	< 0.01
R6	26-Sep-07	0.00106	2.5	< 0.00002	0.00032		0.00099	0.0007	4.16	< 0.00001	0.117	< 0.0005	< 0.000002	0.00163	0.0001	0.0022	0.0001
R6	24-Oct-07	0.00123	2.62	0.00043	0.000461		0.00014	0.00074	4.7	0.00012	0.132	< 0.0005	< 0.000002	0.00209	< 0.0002	0.0051	< 0.0001
R6	22-Nov-07	0.00126	2.12	0.00034	0.00005		0.00013	0.00082	5.53	< 0.00001	0.137	< 0.0005	< 0.000002	0.00231	< 0.0002	0.001	< 0.0001
R6	14-Dec-07	0.00124	2.12	0.00026	0.000016		0.00012	0.00081	4.51	< 0.00001	0.145	< 0.0005	< 0.000002	0.00242	< 0.0002	0.0009	< 0.0001
R6	Total # samples	10	10	10	10	6	10	10	10	10	10	10	10	10	10	10	10
R6	Median	0.0011	2.09	0.0005	0.0005	0.075	0.0005	0.0006	4.8	0.0005	0.12	0.0005	0.00005	0.002	0.0005	0.0025	0.005
R6	MEAN	0.00108	2.25	0.000554	0.000385	0.075	0.000438	0.000757	5.56	0.000364	0.130	0.0004	0.0000304	0.00197	0.00034	0.00242	0.00303
R6	STD	0.0002	1.06	0.0005	0.0002	0	0.0003	0.0005	2.46	0.0003	0.0352	0.0001	0	0.0005	0.0002	0.0011	0.0025
R6	MINIMUM	0.0008	1.17	< 0.00002	0.000016	< 0.15	0.00012	0.0007	3.20	< 0.00001	0.097	< 0.0005	< 0.000002	0.0012	0.0001	0.0009	< 0.0001
R6	MAXIMUM	0.00126	4.99	0.002	< 0.001	< 0.15	< 0.001	0.002	11.5	< 0.001	0.22	< 0.001	< 0.0001	0.0028	< 0.001	0.0051	< 0.01
R6	# samples < MDL	0	0	6	6	6	6	5	0	8	0	10	10	0	9	6	9

B2.3-1: Base Creek/Avril Creek/Dolly River Drainage Reference Sites

STATION	DATE	AG-D mg/L	AL-D mg/L	AS-D mg/L	BA-D mg/L	B-D mg/L	BE-D mg/L	BI-D mg/L	CA-D mg/L	CD-D mg/L	CO-D mg/L	CR-D mg/L	CU-D mg/L	FE-D mg/L	HG-D mg/L	K-D mg/L	LI-D mg/L	MG-D mg/L	MN-D mg/L
R6	% samples < MDL	100	20	60	0	100	100	100	0	60	60	70	50	40		0	20	0	0
R6	Maximum MDL	< 0.00025	< 0.005	< 0.001		< 0.05	< 0.001	< 0.001		< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05			< 0.005		
R6	25th Percentile	0.000002	0.00305	0.000357	0.0672	0.0025	0.000005	0.000002	38.9	0.00003	0.00007	0.0002	0.0005	0.025		0.921	0.00185	10.0	0.00425
R6	75th Percentile	0.000125	0.0066	0.0005	0.0813	0.025	0.0005	0.0005	47.9	0.00010	0.00050	0.0005	0.000727	0.0675		1.24	0.00248	11.5	0.00974

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Base Creek/Amvil Creek/Dolly River Drainage Reference Sites

STATION	DATE	MO-D mg/L	NA-D mg/L	NI-D mg/L	PB-D mg/L	P-D mg/L	SB-D mg/L	SE-D mg/L	SI-D mg/L	SN-D mg/L	SR-D mg/L	TI-D mg/L	TL-D mg/L	U-D mg/L	V-D mg/L	ZN-D mg/L	ZR-D mg/L
R6	% samples < MDL	0	0	60	60	100	60	50	0	80	0	100	100	0	90	60	90
R6	Maximum MDL			< 0.001	< 0.001	< 0.15	< 0.001	< 0.001		< 0.001		< 0.001	< 0.0001		< 0.001	< 0.005	< 0.01
R6	25th Percentile	0.00094	1.66	0.000362	0.000355	0.075000002	0.00023	0.0005	4.25	0.00003	0.112	0.00025	0.000001	0.00165	0.0001	0.00227	0.00006
R6	75th Percentile	0.00122	2.40	0.0005	0.0005	0.075000001	0.0005	0.00079	5.42	0.0005	0.136	0.0005	0.000050	0.00226	0.0005	0.0025	0.005

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 4. Reference Environment Surface Water Physical and Routine Parameters (1998-2007)

STATION	DATE	Color CU	Conductivity-L µS/cm	Hardnes s mg/L	Ammonia mg/L	pH-F pH unit	Sulfate mg/L	TSS mg/L	Turbidity NTU
Benchmark		7	303	158	0.030	6.58-8.16	20.3	3	0.76
FC	25-Sep-07		29	12.2	< 0.005	6.85	1.2	2	
FC	25-Oct-07					6.84			
FC	25-Oct-07		37	12.9	< 0.005		2.6	< 1	
FC	21-Nov-07		37	13.8	< 0.005	6.45	2.4	< 1	
FC	13-Dec-07		41	16	< 0.005	8.01	2.9	< 1	
FC	Total # samples		4	4	4	4	4	4	
FC	Median		37	13.4	0.0025	6.85	2.5	0.5	
FC	MEAN		36	13.7	0.0025	7.04	2.28	0.875	
FC	STD		5.03	1.65	0	0.675	0.746	0.75	
FC	MINIMUM		29	12.2	< 0.005	6.45	1.2	< 1	
FC	MAXIMUM		41	16	< 0.005	8.01	2.9	2	
FC	# samples < MDL		0	0	4	0	0	3	
FC	% samples < MDL		0	0	100	0	0	75	
FC	Maximum MDL				< 0.005			< 1	
FC	25th Percentile		35	12.7	0.0025	6.74	2.10	0.5	
FC	75th Percentile		38	14.4	0.0025	7.14	2.67	0.875	
P1	26-Sep-07		292	154	< 0.005	8.2	55.5	5	
P1	24-Oct-07		350	174	< 0.005	8.39	62.5	3	
P1	22-Nov-07		390	214	< 0.005	7.4	68.5	1	
P1	14-Dec-07		400	216	0.006	8.31	67.3	< 1	
P1	Total # samples		4	4	4	4	4	4	
P1	Median		358	190	0.00338	8.08	63.5	2.38	
P1	MEAN		370	194	0.0025	8.26	64.9	2	
P1	STD		49.0	30.6	0.0018	0.457	5.90	2.06	
P1	MINIMUM		292	154	< 0.005	7.4	55.5	< 1	
P1	MAXIMUM		400	216	0.006	8.39	68.5	5	
P1	# samples < MDL		0	0	3	0	0	1	
P1	% samples < MDL		0	0	75	0	0	25	
P1	Maximum MDL				< 0.005			< 1	
P1	25th Percentile		336	169	0.0025	8.00	60.8	0.875	
P1	75th Percentile		393	215	0.0034	8.330000315	67.60000229	3.5	
R6	5-Aug-98			158	< 0.05	8.37	6	2	
R6	9-Sep-98			142	< 0.05		21	1	
R6	10-Sep-98					8.44			
R6	01-Aug-00		244	99	< 0.05	8.4	15	1	
R6	06-Sep-00		261	111	< 0.05	7.4	18	2	
R6	20-Jul-04	5	222	146	0.01	8.3	21.8	< 1	0.27
R6	23-Aug-04	5	293	156	< 0.01	8.43	21.3	< 1	0.44
R6	29-Mar-05	< 5	382	261	< 0.01	7.5	80.1	< 1	0.31
R6	17-Aug-05	5	240	158	< 0.01	8	19.3	2	0.35
R6	21-Feb-06	< 5	317	170	0.01	7.9	20.4	< 1	0.67
R6	7-Aug-06	< 5	277	144	< 0.01	8.1	20	< 1	0.36

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	Color CU	Conductivity-L µS/cm	Hardnes s mg/L	Ammonia mg/L	pH-F pH unit	Sulfate mg/L	TSS mg/L	Turbidity NTU
R6	20-Feb-07	< 5	301	166	0.02	8.3	19.5	< 1	0.7
R6	17-Aug-07	7	263	132	< 0.01	8.1	20.2	< 1	0.42
R6	26-Sep-07		264	141	< 0.005	8.21	19.6	< 1	
R6	24-Oct-07		307	155	< 0.005	8.1	24	< 1	
R6	22-Nov-07		310	157	< 0.005	7.85	24.7	< 1	
R6	14-Dec-07		320	166	< 0.005	7.99	23.5	2	
R6	Total # samples	8	14	16	16	16	16	16	8
R6	Median	3.75	285	156	0.005	8.1	20.3	0.5	0.39
R6	MEAN	4	286	154	0.0109	8.09	23.4	0.938	0.44
R6	STD	1.73	41.4	34.5	0.0094	0.311	15.7	0.655	0.161
R6	MINIMUM	< 5	222	99	< 0.005	7.4	6	< 1	0.27
R6	MAXIMUM	7	382	261	< 0.05	8.44	80.1	2	0.7
R6	# samples < MDL	4	0	0	13	0	0	10	0
R6	% samples < MDL	50	0	0	81	0	0	62	0
R6	Maximum MDL	< 5			< 0.05			< 1	
R6	25th Percentile	2.5	262	142	0.0044	7.97	19.4	0.5	0.340
R6	75th Percentile	5	309	160	0.0212	8.32	22.2	1.25	0.497

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

Table 5. Reference Environment Total Metals (1998-2007)

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	AG-T mg/L	AL-T mg/L	AS-T mg/L	BA-T mg/L	BE-T mg/L	BI-T mg/L	B-T mg/L	CA-T mg/L	CD-T mg/L	CN-T mg/L	CO-T mg/L	CR-T mg/L	CU-T mg/L
Benchmark		<0.00005	0.156	<0.001	0.088	<0.001	<0.001	<0.05	44.9	0.00004		<0.001	<0.001	0.002
FC	25-Sep-07	< 0.000005	0.0797	0.0002	0.0129	< 0.00001	< 0.000005	< 0.005	3.54	0.00001		0.00005	0.001	0.0009
FC	25-Oct-07	< 0.000005	0.037	0.0001	0.0156	0.00001	< 0.000005	< 0.005	3.91	0.000013		0.000018	0.0001	0.00047
FC	21-Nov-07	< 0.000005	0.0322	0.00006	0.0172	< 0.00001	< 0.000005	< 0.005	4.27	0.000009		0.000015	0.0001	0.00051
FC	13-Dec-07	< 0.000005	0.0293	0.00008	0.0176	< 0.00001	< 0.000005	< 0.005	4.87	0.000009		0.000019	0.0001	0.00039
FC	Total # samples	4	4	4	4	4	4	4	4	4		4	4	4
FC	Median	0.0000025	0.0346	0.00009	0.0164	0.000005	0.0000025	0.0025	4.09	0.0000095		0.00002	0.0001	0.00049
FC	MEAN	0.0000025	0.0446	0.00011	0.0158	0.000006	0.0000025	0.0025	4.15	0.000010		0.00003	0.000325	0.000568
FC	STD	0	0.0236	0.0001	0.0021	0	0	0	0.566	0		0	0.0004	0.0002
FC	MINIMUM	< 0.000005	0.0293	0.00006	0.0129	< 0.00001	< 0.000005	< 0.005	3.54	0.000009		0.000015	0.0001	0.00039
FC	MAXIMUM	< 0.000005	0.0797	0.0002	0.0176	< 0.00001	< 0.000005	< 0.005	4.87	0.000013		0.00005	0.001	0.0009
FC	# samples < MDL	4	0	0	0	3	4	4	0	0		0	0	0
FC	% samples < MDL	100	0	0	0	75	100	100	0	0		0	0	0
FC	Maximum MDL	< 0.000005				< 0.00001	< 0.000005	< 0.005						
FC	25th Percentile	0.000002	0.0315	0.000075	0.0149	0.000005	0.000002	0.0025	3.82	0.000009		0.000017	0.0001	0.00045
FC	75th Percentile	0.000002	0.0477	0.000125	0.0173	0.000006	0.000002	0.0025	4.42	0.000011		0.000027	0.000325	0.000607
P1	26-Sep-07	< 0.000005	0.137	0.0003	0.0755	< 0.00001	< 0.000005	< 0.005	39.9	0.00015		0.00015	0.001	0.0015
P1	24-Oct-07	< 0.000005	0.0397	0.00049	0.0785	< 0.00001	< 0.000005	< 0.005	45.5	0.000219		0.000077	0.0001	0.00091
P1	22-Nov-07	0.000007	0.0238	0.00042	0.0846	< 0.00001	< 0.000005	< 0.005	55.5	0.000172		0.000041	0.0001	0.00087
P1	14-Dec-07	< 0.000005	0.009	0.00033	0.0885	< 0.00001	< 0.000005	< 0.005	56.8	0.000169		0.000026	< 0.0001	0.0007
P1	Total # samples	4	4	4	4	4	4	4	4	4		4	4	4
P1	Median	3.63E-06	0.0524	0.000385	0.0818	0.000005	0.0000025	0.0025	49.4	0.0001775		0.0000735	0.0003125	0.0010
P1	MEAN	0.0000025	0.0318	0.000375	0.0816	0.000005	0.0000025	0.0025	50.5	0.0001705		0.000059	0.0001	0.00089
P1	STD	0	0.0578	0.00010	0.0059	0	0	0	8.11	0		0.00010	0.00050	0.0003
P1	MINIMUM	< 0.000005	0.009	0.00030	0.0755	< 0.00001	< 0.000005	< 0.005	39.9	0.00015		0.000026	< 0.0001	0.00070
P1	MAXIMUM	0.000007	0.137	0.00049	0.0885	< 0.00001	< 0.000005	< 0.005	56.8	0.000219		0.00015	0.001	0.0015
P1	# samples < MDL	3	0	0	0	4	4	4	0	0		0	1	0
P1	% samples < MDL	75	0	0	0	100	100	100	0	0		0	25	0
P1	Maximum MDL	< 0.000005				< 0.00001	< 0.000005	< 0.005					< 0.0001	
P1	25th Percentile	0.000002	0.0201	0.0003	0.0777	0.000005	0.000002	0.0025	44.1	0.00016		0.000037	0.00009	0.00083
P1	75th Percentile	0.000004	0.0640	0.0004	0.0856	0.000005	0.000002	0.0025	55.8	0.00018		0.00010	0.00032	0.0011
R6	5-Aug-98	< 0.0006	0.04	< 0.004	0.0839	< 0.0002	< 0.008	0.03	43.28	< 0.0004		< 0.001	0.008	0.0043
R6	9-Sep-98	0.001	0.11	< 0.005	0.161	< 0.001	< 0.04	< 0.05	40.4	0.002		< 0.005	0.044	0.036
R6	01-Aug-00	< 0.0001	0.081	0.003	0.064	0.0003	< 0.001	0.017	32.5	< 0.0001		< 0.0002	< 0.0002	0.0059
R6	06-Sep-00	< 0.0001	0.148	< 0.001	0.0731	0.0003	< 0.001	0.048	32.2	< 0.0001		0.0021	< 0.0002	0.0167
R6	20-Jul-04	< 0.00025	0.016	< 0.001	0.07	< 0.001	< 0.001	< 0.05	40.3	< 0.0002		< 0.001	< 0.001	0.001
R6	23-Aug-04	< 0.00025	0.014	< 0.001	0.076	< 0.001	< 0.001	< 0.05	43.9	< 0.0002		< 0.001	< 0.001	< 0.001
R6	29-Mar-05	0.0017	0.017	< 0.001	0.094	< 0.001	< 0.001	< 0.05	77.8	< 0.0002		< 0.001	< 0.001	< 0.001
R6	17-Aug-05	< 0.00025	0.028	< 0.001	0.068	< 0.001	< 0.001	< 0.05	43.7	< 0.0002		< 0.001	< 0.001	< 0.001
R6	21-Feb-06	< 0.00025	0.14	< 0.001	0.093	< 0.001	< 0.001	< 0.05	49.5	< 0.0002		< 0.001	0.003	0.003
R6	7-Aug-06	< 0.00025	0.019	< 0.001	0.064	< 0.001	< 0.001	< 0.05	40	< 0.0002		< 0.001	< 0.001	< 0.001
R6	20-Feb-07	< 0.00025	0.013	< 0.001	0.092	< 0.001	< 0.001	< 0.05	48.7	< 0.0002		< 0.001	< 0.001	< 0.001
R6	17-Aug-07	< 0.00025	0.014	< 0.001	0.078	< 0.001	< 0.001	< 0.05	35.3	< 0.0002		< 0.001	< 0.001	< 0.001

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 5. Reference Environment Total Metals (1998-2007)

STATION	DATE	FE-T mg/L	HG-T mg/L	K-T mg/L	LI-T mg/L	MG-T mg/L	MN-T mg/L	MO-T mg/L	NA-T mg/L	NI-T mg/L	PB-T mg/L	P-T mg/L	SB-T mg/L	SE-T mg/L
	Benchmark	0.246	<0.00002	1.4		10.74	0.0264	0.00118	3.41	<0.001	<0.001		<0.001	<0.001
FC	25-Sep-07	0.066		0.142	0.0012	0.83	0.00261	0.00006	2.18	< 0.00002	0.00032	< 0.005	0.00006	< 0.00004
FC	25-Oct-07	0.033		0.13	0.002	0.76	0.00105	0.00005	1.8	0.00022	0.000104	< 0.005	< 0.00002	< 0.00004
FC	21-Nov-07	0.031		0.16	0.0019	0.77	0.00089	0.00008	1.69	0.00024	0.000152	< 0.005	< 0.00002	< 0.00004
FC	13-Dec-07	0.024		0.17	0.0025	0.94	0.0007	0.00008	2.07	0.00023	0.000088	< 0.005	< 0.00002	< 0.00004
FC	Total # samples	4		4	4	4	4	4	4	4	4	4	4	4
FC	Median	0.032		0.151	0.00195	0.8	0.00097	0.00007	1.94	0.000225	0.000128	0.0025	0.00001	0.00002
FC	MEAN	0.0385		0.151	0.0019	0.825	0.00131	0.00007	1.94	0.000175	0.000166	0.0025	0.00002	0.00002
FC	STD	0.0187		0.0179	0.0005	0.0827	0.0009	0	0.228	0.0001	0.0001	0	0	0
FC	MINIMUM	0.024		0.13	0.0012	0.76	0.0007	0.00005	1.69	< 0.00002	0.000088	< 0.005	< 0.00002	< 0.00004
FC	MAXIMUM	0.066		0.17	0.0025	0.94	0.00261	0.00008	2.18	0.00024	0.00032	< 0.005	0.00006	< 0.00004
FC	# samples < MDL	0		0	0	0	0	0	0	1	0	4	3	4
FC	% samples < MDL	0		0	0	0	0	0	0	25	0	100	75	100
FC	Maximum MDL									< 0.00002		< 0.005	< 0.00002	< 0.00004
FC	25th Percentile	0.0293		0.138999999	0.00173	0.767	0.000842	0.00006	1.77	0.000167	0.0001	0.0025	0.00001	0.00002
FC	75th Percentile	0.0412		0.162	0.00213	0.857	0.00144	0.00008	2.10	0.000233	0.000194	0.0025	0.00002	0.00002
P1	26-Sep-07	0.253		0.665	0.0026	13.1	0.0212	0.0012	2.12	0.0049	0.00025	0.011	0.00018	0.0008
P1	24-Oct-07	0.163		0.69	0.0039	14.7	0.0204	0.0013	2.25	0.00452	0.00013	0.007	0.00019	0.00094
P1	22-Nov-07	0.082		0.88	0.0039	18.4	0.0119	0.00126	2.4	0.00471	0.000135	0.005	0.0002	0.00124
P1	14-Dec-07	0.04		0.88	0.0041	18.1	0.0117	0.00116	2.43	0.00406	0.000074	< 0.005	0.00017	0.0012
P1	Total # samples	4		4	4	4	4	4	4	4	4	4	4	4
P1	Median	0.135		0.779	0.0036	16.1	0.0163	0.0012	2.30	0.0045	0.00015	0.00638	0.000185	0.00105
P1	MEAN	0.123		0.785	0.0039	16.4	0.0162	0.0012	2.33	0.0046	0.00013	0.00600	0.000185	0.00107
P1	STD	0.0941		0.117	0.0007	2.60	0.0052	0.00010	0.14	0.0004	0.00010	0.00360	0	0.0002
P1	MINIMUM	0.040		0.665	0.0026	13.1	0.0117	0.0012	2.12	0.0041	0.00007	< 0.005	0.00017	0.0008
P1	MAXIMUM	0.253		0.880	0.0041	18.4	0.0212	0.0013	2.43	0.0049	0.00025	0.01100	0.0002	0.00124
P1	# samples < MDL	0		0	0	0	0	0	0	0	0	1	0	0
P1	% samples < MDL	0		0	0	0	0	0	0	0	0	25	0	0
P1	Maximum MDL											< 0.005		
P1	25th Percentile	0.071		0.684	0.004	14.3	0.012	0.0012	2.22	0.004	0.0001	0.004	0.0002	0.0009
P1	75th Percentile	0.186		0.880	0.004	18.2	0.020600001	0.0013	2.41	0.005	0.0002	0.008	0.0002	0.001
R6	5-Aug-98	0.119	< 0.1	0.9		11.66	0.009	0.0069	2.3	0.003	< 0.004	0.464	< 0.006	< 0.001
R6	9-Sep-98	0.09	< 0.1	< 1		10	< 0.01	0.002	3	< 0.005	0.03	< 0.04	< 0.03	< 0.005
R6	01-Aug-00	0.137		0.88		8.529	0.0127	0.0039	1.42	0.0026	< 0.001	0.6	0.003	< 0.001
R6	06-Sep-00	0.374		1.03		8.902	0.0152	0.0029	2.23	0.0022	< 0.001	< 0.2	< 0.001	< 0.001
R6	20-Jul-04	0.11	< 0.00002	1.2	0.002	11	0.011	0.001	2.03	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001
R6	23-Aug-04	0.18	< 0.00002	1.3	0.002	11.3	0.011	0.0011	1.97	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001
R6	29-Mar-05	0.11	< 0.00002	1.9	0.004	16	0.018	0.0014	5.5	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001
R6	17-Aug-05	< 0.05	< 0.00002	1	0.001	11.8	0.014	0.001	1.41	< 0.001	< 0.001	< 0.15	< 0.001	0.002
R6	21-Feb-06	0.18	< 0.00002	1.4	0.003	11.3	0.014	0.0013	2.38	0.002	< 0.001	< 0.15	< 0.001	< 0.001
R6	7-Aug-06	0.12	< 0.00002	0.9	0.002	10.6	0.012	0.0011	1.66	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001
R6	20-Feb-07	0.09	< 0.00002	1.4	0.002	10.7	0.011	0.0012	2.18	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001
R6	17-Aug-07	0.16	< 0.00002	1	< 0.005	10.7	0.01	0.0009	1.66	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001

Table 5. Reference Environment Total Metals (1998-2007)

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	SI-T mg/L	SN-T mg/L	SR-T mg/L	TI-T mg/L	TL-T mg/L	U-T mg/L	V-T mg/L	ZN-T mg/L	ZR-T mg/L
Benchmark			<0.0005	0.18	0.004	<0.0001	0.0025	<0.001	0.0164	<0.005
FC	25-Sep-07	6.29	< 0.00001	0.0222	0.0014	< 0.000002	0.00015	0.00014	0.0061	0.00028
FC	25-Oct-07	5.87	< 0.00001	0.0264	0.0007	< 0.000002	0.000123	< 0.0002	0.0018	< 0.0001
FC	21-Nov-07	7.43	< 0.00001	0.0261	< 0.0005	0.000002	0.0001	0.0003	0.0021	< 0.0001
FC	13-Dec-07	7.54	< 0.00001	0.0296	< 0.0005	0.000002	0.00009	< 0.0002	0.0015	< 0.0001
FC	Total # samples	4	4	4	4	4	4	4	4	4
FC	Median	6.86	0.000005	0.0263	0.000475	0.0000015	0.000112	0.00012	0.00195	0.00005
FC	MEAN	6.78	0.000005	0.0261	0.00065	0.0000015	0.000116	0.00016	0.00288	0.000108
FC	STD	0.830	0	0.003	0.0005	0	0	0.0001	0.0022	0.0001
FC	MINIMUM	5.87	< 0.00001	0.0222	< 0.0005	< 0.000002	0.00009	0.00014	0.0015	< 0.0001
FC	MAXIMUM	7.54	< 0.00001	0.0296	0.0014	< 0.000002	0.00015	0.0003	0.0061	0.00028
FC	# samples < MDL	0	4	0	2	2	0	2	0	3
FC	% samples < MDL	0	100	0	50	50	0	50	0	75
FC	Maximum MDL		< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
FC	25th Percentile	6.18	0.00000	0.0251	0.00025	0.00000	0.00010	0.00010	0.00173	0.00005
FC	75th Percentile	7.46	0.00000	0.0272	0.000875	0.00000	0.000130	0.00018	0.0031	0.000107
P1	26-Sep-07	3.08	< 0.00001	0.164	0.0027	< 0.000002	0.00131	0.0007	0.0184	0.00018
P1	24-Oct-07	2.87	0.00001	0.202	0.0009	0.000003	0.00171	< 0.0002	0.0142	< 0.0001
P1	22-Nov-07	4.16	0.00002	0.222	0.001	0.000003	0.00189	< 0.0002	0.017	< 0.0001
P1	14-Dec-07	3.76	< 0.00001	0.224	< 0.0005	0.000003	0.00199	< 0.0002	0.0234	< 0.0001
P1	Total # samples	4	4	4	4	4	4	4	4	4
P1	Median	3.47	0.00001	0.203	0.0012125	0.0000025	0.001725	0.00025	0.0183	0.0000825
P1	MEAN	3.42	0.000008	0.212	0.00095	0.000003	0.0018	0.0001	0.0177	0.00005
P1	STD	0.598	0	0.028	0.001	0	0.0003	0.0003	0.0039	0.0001
P1	MINIMUM	2.87	< 0.00001	0.164	< 0.0005	< 0.000002	0.00131	< 0.0002	0.0142	< 0.0001
P1	MAXIMUM	4.16	0.00002	0.224	0.0027	0.000003	0.00199	0.0007	0.0234	0.00018
P1	# samples < MDL	0	2	0	1	1	0	3	0	3
P1	% samples < MDL	0	50	0	25	25	0	75	0	75
P1	Maximum MDL		< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
P1	25th Percentile	3.03	0.00000	0.192500001	0.0007	0.0000025	0.002	0.00010	0.0163	0.00005
P1	75th Percentile	3.86	0.00001	0.222500002	0.001	0.0000030	0.002	0.00025	0.0197	0.00008
R6	5-Aug-98	4.102	< 0.002	0.1451	0.002			< 0.001	0.004	
R6	9-Sep-98	2.89	< 0.01	0.131	0.014			< 0.005	0.06	
R6	01-Aug-00	3.73	< 0.0004	0.0929	0.013			0.0005	0.0035	
R6	06-Sep-00	5.841	< 0.0004	0.111	0.0283			< 0.0002	0.0258	
R6	20-Jul-04	9.9	< 0.001	0.11	0.001	< 0.0001	0.0016	< 0.001	< 0.005	< 0.01
R6	23-Aug-04	10	< 0.001	0.13	< 0.001	< 0.0001	0.0017	< 0.001	< 0.005	< 0.01
R6	29-Mar-05	12.8	< 0.001	0.25	< 0.001	< 0.0001	0.0031	< 0.001	0.006	< 0.01
R6	17-Aug-05	8.8	< 0.001	0.12	< 0.001	< 0.0001	0.0017	< 0.001	< 0.005	< 0.01
R6	21-Feb-06	5.4	0.002	0.14	< 0.001	< 0.0001	0.0023	< 0.001	0.006	< 0.01
R6	7-Aug-06	4.4	< 0.001	0.11	< 0.001	< 0.0001	0.0015	< 0.001	< 0.005	< 0.01
R6	20-Feb-07	5	< 0.001	0.14	< 0.001	< 0.0001	0.0022	< 0.001	< 0.005	< 0.01
R6	17-Aug-07	3.4	< 0.001	0.11	< 0.001	< 0.0001	0.0018	< 0.001	< 0.005	< 0.01

STATION	DATE	AG-T mg/L	AL-T mg/L	AS-T mg/L	BA-T mg/L	BE-T mg/L	BI-T mg/L	B-T mg/L	CA-T mg/L	CD-T mg/L	CN-T mg/L	CO-T mg/L	CR-T mg/L	CU-T mg/L
R6	26-Sep-07	< 0.000005	0.0316	< 0.00002	0.0642	< 0.00001	< 0.000005	< 0.005	39.6	0.00002		0.00005	0.0017	0.0007
R6	24-Oct-07	0.00002	0.0079	0.00045	0.0761	< 0.00001	< 0.000005	< 0.005	44.1	0.000019		0.000036	0.0001	0.00043
R6	22-Nov-07	< 0.000005	0.0067	0.00029	0.0887	< 0.00001	< 0.000005	< 0.005	46	0.00001		0.000013	< 0.0001	0.00035
R6	14-Dec-07	< 0.000005	0.0141	0.00045	0.0878	< 0.00001	< 0.000005	< 0.005	47.7	0.000013		0.000042	0.0001	0.00036
R6	Total # samples	16	16	16	16	16	16	16	16	16		16	16	16
R6	Median	0.000125	0.018	0.0005	0.0771	0.0005	0.0005	0.025	43.5	0.0001		0.0005	0.0005	0.0005
R6	MEAN	0.000250	0.0438	0.000825	0.0834	0.000326	0.00181	0.0206	44.1	0.000198		0.00058	0.00379	0.00448
R6	STD	0.0005	0.0481	0.0009	0.0233	0.0002	0.0049	0.0125	10.4	0.0005		0.0007	0.0109	0.0094
R6	MINIMUM	< 0.000005	0.0067	< 0.00002	0.064	< 0.00001	< 0.000005	< 0.005	32.2	0.00001		0.000013	< 0.0001	0.00035
R6	MAXIMUM	0.0017	0.148	< 0.005	0.161	< 0.001	< 0.04	< 0.05	77.8	0.002		< 0.005	0.044	0.036
R6	# samples < MDL	13	0	12	0	14	16	13	0	11		11	10	6
R6	% samples < MDL	81	0	75	0	88	100	81	0	69		69	62	38
R6	Maximum MDL	< 0.0006		< 0.005		< 0.001	< 0.04	< 0.05		< 0.0004		< 0.005	< 0.001	< 0.001
R6	25th Percentile	0.00004	0.014	0.0004875	0.069500001	0.00008	0.000376	0.0134	39.9	0.00004		0.0001	0.0001	0.0005
R6	75th Percentile	0.000125	0.0502	0.0005	0.0895	0.0005	0.0005	0.025	46.4	0.00010		0.0005	0.0008	0.003325

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

STATION	DATE	FE-T mg/L	HG-T mg/L	K-T mg/L	LI-T mg/L	MG-T mg/L	MN-T mg/L	MO-T mg/L	NA-T mg/L	NI-T mg/L	PB-T mg/L	P-T mg/L	SB-T mg/L	SE-T mg/L
R6	26-Sep-07	0.148		0.988	0.0015	10.4	0.0171	0.0011	2.06	< 0.00002	0.0002	< 0.005	0.00011	0.0007
R6	24-Oct-07	0.101		1.11	0.0023	10.8	0.0188	0.00125	2.16	0.00027	0.000091	< 0.005	0.00013	0.00071
R6	22-Nov-07	0.051		1.15	0.0022	10.3	0.00512	0.00129	1.69	0.00023	0.000017	< 0.005	0.00013	0.0008
R6	14-Dec-07	0.147		1.2	0.0024	11.3	0.0208	0.00116	2.04	0.00025	0.000034	< 0.005	0.0001	0.00073
R6	Total # samples	16	10	16	12	16	16	16	16	16	16	16	16	16
R6	Median	0.120	0.00001	1.07	0.0021	10.8	0.0124	0.0012	2.05	0.0005	0.0005	0.075	0.0005	0.0005
R6	MEAN	0.134	0.0100	1.12	0.0022	11.0	0.0128	0.0018	2.23	0.0010	0.0023	0.112	0.0016	0.0008
R6	STD	0.0767	0.0211	0.306	0.0007	1.61	0.0045	0.0016	0.958	0.001	0.0074	0.169	0.0037	0.0006
R6	MINIMUM	< 0.05	< 0.00002	0.88	0.001	8.5	0.00512	0.0009	1.41	< 0.00002	0.000017	< 0.005	0.0001	0.0007
R6	MAXIMUM	0.374	< 0.1	1.9	< 0.005	16	0.0208	0.0069	5.5	< 0.005	0.03	0.6	< 0.03	< 0.005
R6	# samples < MDL	1	10	1	1	0	1	0	0	9	11	14	11	11
R6	% samples < MDL	6	100	6	8	0	6	0	0	56	69	88	69	69
R6	Maximum MDL	< 0.05	< 0.1	< 1	< 0.005		< 0.01			< 0.005	< 0.004	< 0.2	< 0.03	< 0.005
R6	25th Percentile	0.0983	0.00001	0.966	0.002	10.4	0.0107	0.0011	1.68	0.000442	0.000425	0.0156	0.000408	0.0005
R6	75th Percentile	0.151000001	0.00001	1.23	0.0024	11.3	0.0157	0.00155	2.25	0.00205	0.0005	0.075000002	0.0005	0.000715

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

STATION	DATE	SI-T mg/L	SN-T mg/L	SR-T mg/L	TI-T mg/L	TL-T mg/L	U-T mg/L	V-T mg/L	ZN-T mg/L	ZR-T mg/L
R6	26-Sep-07	4.03	< 0.00001	0.106	0.0008	< 0.000002	0.00165	0.00017	0.005	0.00012
R6	24-Oct-07	4	0.00001	0.134	0.0006	< 0.000002	0.00219	< 0.0002	0.0009	0.0004
R6	22-Nov-07	4.89	< 0.00001	0.139	< 0.0005	< 0.000002	0.00231	< 0.0002	0.0004	< 0.0001
R6	14-Dec-07	4.81	< 0.00001	0.14	< 0.0005	< 0.000002	0.0023	< 0.0002	0.0006	< 0.0001
R6	Total # samples	16	16	16	16	12	12	16	16	12
R6	Median	4.85	0.0005	0.131	0.0005	0.00005	0.00200	0.0005	0.0025	0.005
R6	MEAN	5.87	0.000745	0.132	0.00398	3.37E-05	0.00203	0.000504	0.00795	0.00339
R6	STD	2.88	0.0012	0.0352	0.0078	0	0.0005	0.0006	0.0151	0.0024
R6	MINIMUM	2.89	< 0.00001	0.0929	< 0.0005	< 0.000002	0.0015	0.00017	0.0004	< 0.0001
R6	MAXIMUM	12.8	< 0.01	0.25	0.0283	< 0.0001	0.0031	< 0.005	0.06	< 0.01
R6	# samples < MDL	0	14	0	9	12	0	14	6	10
R6	% samples < MDL	0	88	0	56	100	0	88	38	83
R6	Maximum MDL		< 0.01		< 0.001	< 0.0001		< 0.005	< 0.005	< 0.01
R6	25th Percentile	4.02	0.000152	0.11	0.0005	0.00000	0.00169	0.000152	0.0025	0.00033
R6	75th Percentile	6.58	0.0005	0.14	0.00125	0.00005	0.0023	0.0005	0.00525	0.005

Notes:

Statistics calculated for stations with 3 or more values in a dataset.

DL: Method Detection Limit

Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 6. Reference Environment Dissolved Metals (1998-2007)

STATION	DATE	AG-D mg/L	AL-D mg/L	AS-D mg/L	BA-D mg/L	B-D mg/L	BE-D mg/L	BI-D mg/L	CA-D mg/L	CD-D mg/L	CO-D mg/L	CR-D mg/L	CU-D mg/L	FE-D mg/L	HG-D mg/L	K-D mg/L	LI-D mg/L
FC	25-Sep-07	< 0.000005	0.0647	< 0.00002	0.0143	< 0.005	< 0.00001	< 0.000005	3.42	0.00002	0.00014	0.0008	0.001	0.05		0.139	0.0017
FC	25-Oct-07	< 0.000005	0.0362	0.0001	0.0161	< 0.005	0.00002	< 0.000005	4.14	0.000041	0.000021	0.0002	0.0006	0.03		0.15	0.0018
FC	21-Nov-07	< 0.000005	0.0321	0.00009	0.0164	< 0.005	0.00001	< 0.000005	4.54	0.00001	0.000017	0.0001	0.00055	0.027		0.17	0.002
FC	13-Dec-07	< 0.000005	0.0277	0.00009	0.017	0.005	< 0.00001	< 0.000005	4.89	0.00001	0.000018	0.0002	0.00044	0.018		0.19	0.0025
FC	Total # samples	4	4	4	4	4	4	4	4	4	4	4	4	4		4	4
FC	Median	0.0000025	0.0342	0.00009	0.0163	0.0025	0.000008	0.0000025	4.34	0.000015	0.000020	0.0002	0.000575	0.0285		0.16	0.0019
FC	MEAN	0.0000025	0.0402	0.000073	0.0160	0.00313	0.00001	0.0000025	4.25	0.0000203	0.000049	0.000325	0.000648	0.0313		0.162	0.002
FC	STD	0	0.0167	0	0.0012	0.0012	0	0	0.6311	0	0.0001	0.0003	0.0002	0.0135		0.0225	0.0004
FC	MINIMUM	< 0.000005	0.0277	< 0.00002	0.0143	< 0.005	< 0.00001	< 0.000005	3.42	0.00001	0.000017	0.0001	0.00044	0.018		0.139	0.0017
FC	MAXIMUM	< 0.000005	0.0647	0.0001	0.017	< 0.005	0.00002	< 0.000005	4.89	0.000041	0.00014	0.0008	0.001	0.05		0.19	0.0025
FC	# samples < MDL	4	0	1	0	3	2	4	0	0	0	0	0	0		0	0
FC	% samples < MDL	100	0	25	0	75	50	100	0	0	0	0	0	0		0	0
FC	Maximum MDL	< 0.000005		< 0.00002		< 0.005	< 0.00001	< 0.000005									
FC	25th Percentile	0.000002	0.031	0.000070	0.0156	0.0025	0.000005	0.000002	3.96	0.000010	0.000018	0.000175	0.000523	0.0247		0.147	0.00178
FC	75th Percentile	0.000002	0.0433	0.000093	0.0166	0.00312	0.000012	0.000002	4.63	0.000025	0.000051	0.00035	0.0007	0.034999999		0.175000001	0.00213
P1	26-Sep-07	< 0.000005	0.0316	0.0004	0.0704	< 0.005	< 0.00001	< 0.000005	41.3	0.00013	0.00011	< 0.0001	0.0012	0.056		0.632	0.003
P1	24-Oct-07	< 0.000005	0.0177	0.00041	0.0801	< 0.005	< 0.00001	< 0.000005	46.6	0.000162	0.000038	0.0001	0.00083	0.066		0.71	0.0037
P1	22-Nov-07	< 0.000005	0.0083	0.00037	0.0841	< 0.005	< 0.00001	< 0.000005	55	0.000148	0.000023	< 0.0001	0.0009	0.034		0.89	0.0038
P1	14-Dec-07	< 0.000005	0.0027	0.0003	0.0951	< 0.005	< 0.00001	< 0.000005	56.8	0.000152	0.000019	< 0.0001	0.00069	0.012		0.85	0.0041
P1	Total # samples	4	4	4	4	4	4	4	4	4	4	4	4	4		4	4
P1	Median	0.0000025	0.0151	0.00037	0.0824	0.0025	0.000005	0.0000025	49.9	0.000148	0.000048	0.000063	0.000905	0.0420		0.771	0.00365
P1	MEAN	0.0000025	0.0130	0.000385	0.0821	0.0025	0.000005	0.0000025	50.8	0.00015	0.000031	0.00005	0.000865	0.0450		0.780	0.00375
P1	STD	0	0.0126	0	0.0102	0	0	0	7.27	0	0	0	0.0002	0.0241		0.120	0.00050
P1	MINIMUM	< 0.000005	0.0027	0.00030	0.0704	< 0.005	< 0.00001	< 0.000005	41.3	0.00013	0.000019	< 0.0001	0.00069	0.0120		0.632	0.0030
P1	MAXIMUM	< 0.000005	0.0316	0.00041	0.0951	< 0.005	< 0.00001	< 0.000005	56.8	0.000162	0.00011	< 0.0001	0.0012	0.066		0.890	0.0041
P1	# samples < MDL	4	0	0	0	4	4	4	0	0	0	3	0	0		0	0
P1	% samples < MDL	100	0	0	0	100	100	100	0	0	0	75	0	0		0	0
P1	Maximum MDL	< 0.000005				< 0.005	< 0.00001	< 0.000005				< 0.0001					
P1	25th Percentile	0.000002	0.0069	0.00035	0.0777	0.0025	0.000005	0.000002	45.3	0.00014	0.000022	0.000050	0.0008	0.0285		0.691	0.0035
P1	75th Percentile	0.000002	0.0212	0.00040	0.0869	0.0025	0.000005	0.000002	55.5	0.00015	0.000056	0.000062	0.0010	0.058500001		0.860	0.0039
R6	5-Aug-98	0.0011	< 0.01	< 0.004	0.0648	0.03	0.0003	< 0.008	39.69	< 0.0004	< 0.001	0.002	0.0024	0.035	< 0.1	1.2	
R6	9-Sep-98	< 0.001	< 0.05	< 0.005	0.038	< 0.05	< 0.001	< 0.04	39.6	0.001	< 0.005	0.023	0.004	< 0.01	< 0.1	< 1	
R6	01-Aug-00	< 0.0001	0.027	< 0.001	0.084	< 0.002	0.0002	< 0.001	30.7	< 0.0001	< 0.0002	< 0.0002	0.0038	0.047		0.77	
R6	06-Sep-00	< 0.0001	0.038	< 0.001	0.0653	0.029	0.0003	< 0.001	30.54	< 0.0001	< 0.0002	< 0.0002	< 0.0001	0.043		0.9	
R6	20-Jul-04	< 0.00025	< 0.005	< 0.001	0.065	< 0.05	< 0.001	< 0.001	38.4	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		1.2	0.002
R6	23-Aug-04	< 0.00025	0.007	< 0.001	0.075	< 0.05	< 0.001	< 0.001	42.7	< 0.0002	< 0.001	< 0.001	< 0.001	0.18		1.2	0.002
R6	29-Mar-05	< 0.00025	< 0.005	< 0.001	0.092	< 0.05	< 0.001	< 0.001	71.7	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		1.6	0.004
R6	17-Aug-05	< 0.00025	0.005	< 0.001	0.058	< 0.05	< 0.001	< 0.001	38.1	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		0.7	< 0.001
R6	21-Feb-06	< 0.00025	0.077	< 0.001	0.081	< 0.05	< 0.001	< 0.001	43.2	< 0.0002	< 0.001	0.002	0.001	0.06		1.2	0.002
R6	7-Aug-06	< 0.00025	0.006	< 0.001	0.055	< 0.05	< 0.001	< 0.001	35.4	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		0.7	0.001
R6	20-Feb-07	< 0.00025	< 0.005	< 0.001	0.081	< 0.05	< 0.001	< 0.001	44.2	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.05		1.1	0.002
R6	17-Aug-07	< 0.00025	0.005	< 0.001	0.073	< 0.05	< 0.001	< 0.001	33.7	< 0.0002	< 0.001	< 0.001	< 0.001	0.07		0.9	< 0.005
R6	26-Sep-07	< 0.000005	0.0118	0.0003	0.0653	< 0.005	< 0.00001	< 0.000005	41.4	0.00002	0.00013	< 0.0001	0.0008	0.1		0.985	0.0018
R6	24-Oct-07	< 0.000005	0.0068	0.00041	0.0763	< 0.005	< 0.00001	< 0.000005	44.6	0.000077	0.000044	0.001	0.00101	0.071		1.14	0.0021
R6	22-Nov-07	< 0.000005	0.0047	0.00034	0.0814	< 0.005	< 0.00001	< 0.000005	50.5	0.000016	0.000011	0.0001	0.00051	0.03		1.28	0.0024
R6	14-Dec-07	< 0.000005	0.0025	0.00033	0.09	< 0.005	< 0.00001	< 0.000005	49	0.000018	0.00002	< 0.0001	0.00039	0.041		1.25	0.0025
R6	Total # samples	16	16	16	16	16	16	16	16	16	16	16	16	16	2	16	12
R6	Median	0.000125	0.0055	0.0005	0.074	0.025	0.0005	0.0005	40.5	0.0001	0.0005	0.0005	0.0005	0.038	0.05	1.12	0.002

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

Table 6. Reference Environment Dissolved Metals (1998-2007)

STATION	DATE	MG-D mg/L	MN-D mg/L	MO-D mg/L	NA-D mg/L	NI-D mg/L	PB-D mg/L	P-D mg/L	SB-D mg/L	SE-D mg/L	SI-D mg/L	SN-D mg/L	SR-D mg/L	TI-D mg/L	TL-D mg/L	U-D mg/L	V-D mg/L	ZN-D mg/L	ZR-D mg/L
FC	25-Sep-07	0.72	0.00217	0.00005	2.45	< 0.00002	0.00041		0.00083	< 0.00004	6.4	< 0.00001	0.023	0.001	< 0.000002	0.00014	0.00012	0.006	0.00024
FC	25-Oct-07	0.79	0.00162	0.00006	1.85	0.00029	0.000271		0.00002	< 0.00004	6.27	0.00002	0.0266	0.0005	0.000002	0.000118	< 0.0002	0.0053	< 0.0001
FC	21-Nov-07	0.92	0.00077	0.00007	1.98	0.00028	0.000198		0.00003	< 0.00004	6.77	< 0.00001	0.0274	< 0.0005	< 0.000002	0.00012	< 0.0002	0.0025	< 0.0001
FC	13-Dec-07	0.96	0.00047	0.00009	2.16	0.00023	0.000065		0.00004	< 0.00004	7.6	< 0.00001	0.0287	< 0.0005	0.000004	0.000085	0.0003	0.0017	< 0.0001
FC	Total # samples	4	4	4	4	4	4		4	4	4	4	4	4	4	4	4	4	4
FC	Median	0.855	0.00120	0.000065	2.07	0.000255	0.000235		0.000035	0.00002	6.59	0.000005	0.027	0.000375	0.0000015	0.000119	0.00011	0.0039	0.00005
FC	MEAN	0.848	0.00126	0.000068	2.11	0.000203	0.000236		0.00023	0.00002	6.76	0.00001	0.0264	0.0005	0.000002	0.000116	0.000155	0.00388	0.000098
FC	STD	0.112	0.0008	0	0.260	0.0001	0.0001		0.0004	0	0.599	0	0.0024	0.0004	0	0	0.0001	0.0021	0.0001
FC	MINIMUM	0.72	0.00047	0.00005	1.85	< 0.00002	0.000065		0.00002	< 0.00004	6.27	< 0.00001	0.023	< 0.0005	< 0.000002	0.000085	0.00012	0.0017	< 0.0001
FC	MAXIMUM	0.96	0.00217	0.00009	2.45	0.00029	0.00041		0.00083	< 0.00004	7.6	0.00002	0.0287	0.001	0.000004	0.00014	0.0003	0.006	0.00024
FC	# samples < MDL	0	0	0	0	1	0		0	4	0	3	0	2	2	0	2	0	3
FC	% samples < MDL	0	0	0	0	25	0		0	100	0	75	0	50	50	0	50	0	75
FC	Maximum MDL					< 0.00002				< 0.00004		< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
FC	25th Percentile	0.773	0.000695	0.00006	1.95	0.000175	0.000165		0.00003	0.00002	6.37	0.000005	0.0257	0.00025	0.000001	0.000110	0.0001	0.0023	0.000050
FC	75th Percentile	0.930	0.00176	0.00008	2.23	0.000283	0.000306		0.000237	0.00002	6.98	0.000009	0.0277	0.000625	0.000002	0.000125	0.000165	0.00547	0.000097
P1	26-Sep-07	13.7	0.00595	0.00119	2.42	0.0044	0.00016		0.00105	0.0013	3.03	< 0.00001	0.177	0.0011	< 0.000002	0.00134	0.0002	0.0104	0.00012
P1	24-Oct-07	14.9	0.015	0.00138	2.06	0.00432	0.000082		0.00019	0.00084	2.81	< 0.00001	0.208	0.0005	0.000003	0.00174	< 0.0002	0.0112	< 0.0001
P1	22-Nov-07	18.2	0.00933	0.00126	2.39	0.00446	0.000053		0.0002	0.0012	4.11	< 0.00001	0.216	< 0.0005	0.000003	0.00182	< 0.0002	0.0157	< 0.0001
P1	14-Dec-07	18.3	0.0108	0.00124	2.47	0.00421	0.000017		0.00018	0.00128	4.05	< 0.00001	0.23	< 0.0005	0.000004	0.00208	< 0.0002	0.0234	< 0.0001
P1	Total # samples	4	4	4	4	4	4		4	4	4	4	4	4	4	4	4	4	4
P1	Median	16.3	0.01027	0.00127	2.34	0.00435	0.000078		0.000405	0.00116	3.5	0.000005	0.208	0.000525	0.00000275	0.00175	0.000125	0.0152	0.0001
P1	MEAN	16.6	0.0101	0.00125	2.41	0.00436	0.00007		0.000195	0.00124	3.54	0.000005	0.212	0.000375	0.000003	0.00178	0.0001	0.0135	0.00005
P1	STD	2.33	0.0038	0.00010	0.186	0.0001	0.00010		0.00040	0.00020	0.676	0	0.0224	0.00040	0	0.00030	0	0.0060	0
P1	MINIMUM	13.7	0.00595	0.00119	2.06	0.00421	0.000017		0.00018	0.00084	2.81	< 0.00001	0.177	< 0.0005	< 0.000002	0.00134	< 0.0002	0.0104	< 0.0001
P1	MAXIMUM	18.3	0.0150	0.00138	2.47	0.00446	0.00016		0.00105	0.0013	4.11	< 0.00001	0.230	0.0011	0.000004	0.00208	< 0.0002	0.0234	0.00012
P1	# samples < MDL	0	0	0	0	0	0		0	0	0	4	0	2	1	0	3	0	3
P1	% samples < MDL	0	0	0	0	0	0		0	0	0	100	0	50	25	0	75	0	75
P1	Maximum MDL											< 0.00001		< 0.0005	< 0.000002		< 0.0002		< 0.0001
P1	25th Percentile	14.6	0.0085	0.00123	2.31	0.0043	0.00004		0.00019	0.0011	2.97	0.000005	0.200	0.00025	0.000002	0.00164	0.00010	0.0110	0.000050
P1	75th Percentile	18.2	0.012	0.001	2.43	0.0044	0.00010		0.00041	0.0013	4.07	0.000005	0.220	0.00065	0.000003	0.00189	0.00012	0.0176	0.000067
R6	5-Aug-98	10.63	0.004	0.0011	2.2	< 0.001	< 0.004	0.123	0.012	< 0.001	2.47	< 0.002	0.1245	< 0.001			< 0.001	< 0.002	
R6	9-Sep-98	10.2	0.04	< 0.002	2	< 0.005	< 0.01	0.22	< 0.03	< 0.005	3.57	< 0.01	0.126	< 0.005			< 0.005	0.04	
R6	01-Aug-00	8.275	0.0061	0.0023	1.73	0.0007	< 0.001	0.8	< 0.001	< 0.001	3.9	< 0.0004	0.0966	0.0014			0.0003	0.0013	
R6	06-Sep-00	8.51	0.008	0.0004	2.105	< 0.0002	< 0.001	< 0.2	< 0.001	< 0.001	4.11	< 0.0004	0.096	0.007			< 0.0002	< 0.0004	
R6	20-Jul-04	10.6	0.005	0.001	1.97	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	9.6	< 0.001	0.11	< 0.001	< 0.0001	0.0016	< 0.001	< 0.005	< 0.01
R6	23-Aug-04	11	0.01	0.001	1.89	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	9.4	< 0.001	0.13	< 0.001	< 0.0001	0.0017	< 0.001	< 0.005	< 0.01
R6	29-Mar-05	14.7	0.002	0.0011	4.99	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	11.5	< 0.001	0.22	< 0.001	< 0.0001	0.0028	< 0.001	< 0.005	< 0.01
R6	17-Aug-05	10.3	0.01	0.0009	1.17	< 0.001	< 0.001	< 0.15	< 0.001	0.002	8.1	< 0.001	0.11	< 0.001	< 0.0001	0.0015	< 0.001	< 0.005	< 0.01
R6	21-Feb-06	9.96	0.006	0.0012	2.06	0.002	< 0.001	< 0.15	< 0.001	< 0.001	5.1	0.001	0.12	< 0.001	< 0.0001	0.002	< 0.001	< 0.005	< 0.01
R6	7-Aug-06	9.47	0.005	0.0009	1.47	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	3.9	< 0.001	0.097	< 0.001	< 0.0001	0.0012	< 0.001	< 0.005	< 0.01
R6	20-Feb-07	9.69	0.004	0.0011	1.91	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	4.9	< 0.001	0.12	< 0.001	< 0.0001	0.002	< 0.001	< 0.005	< 0.01
R6	17-Aug-07	10.1	0.006	0.0008	1.57	< 0.001	< 0.001	< 0.15	< 0.001	< 0.001	3.2	< 0.001	0.1	< 0.001	< 0.0001	0.0017	< 0.001	< 0.005	< 0.01
R6	26-Sep-07	10.6	0.0132	0.00106	2.5	< 0.00002	0.00032		0.00099	0.0007	4.16	< 0.00001	0.117	< 0.0005	< 0.000002	0.00163	0.0001	0.0022	0.0001
R6	24-Oct-07	10.8	0.0186	0.00123	2.62	0.00043	0.000461		0.00014	0.00074	4.7	0.00012	0.132	< 0.0005	< 0.000002	0.00209	< 0.0002	0.0051	< 0.0001
R6	22-Nov-07	12.6	0.00377	0.00126	2.12	0.00034	0.00005		0.00013	0.00082	5.53	< 0.00001	0.137	< 0.0005	< 0.000002	0.00231	< 0.0002	0.001	< 0.0001
R6	14-Dec-07	11.7	0.00894	0.00124	2.12	0.00026	0.000016		0.00012	0.00081	4.51	< 0.00001	0.145	< 0.0005	< 0.000002	0.00242	< 0.0002	0.0009	< 0.0001
R6	Total # samples	16	16	16	16	16	16	12	16	16	16	16	16	16	12	12	16	16	12
R6	Median	10.5	0.00605	0.00108	2.03	0.0005	0.0005	0.075	0.0005	0.0005	4.61	0.0005	0.12	0.0005	0.00005	0.00185	0.0005	0.0025	0.005

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	AG-D mg/L	AL-D mg/L	AS-D mg/L	BA-D mg/L	B-D mg/L	BE-D mg/L	BI-D mg/L	CA-D mg/L	CD-D mg/L	CO-D mg/L	CR-D mg/L	CU-D mg/L	FE-D mg/L	HG-D mg/L	K-D mg/L	LI-D mg/L
R6	MEAN	0.000169	0.0143	0.00068	0.0716	0.0184	0.00033	0.00181	42.1	0.000139	0.000463	0.00199	0.00109	0.0504	0.05	1.04	0.00207
R6	STD	0.0003	0.0198	0.0006	0.0141	0.0114	0.0002	0.0049	9.76	0.0002	0.0006	0.0056	0.0012	0.0418	0	0.279	0.0008
R6	MINIMUM	< 0.000005	0.0025	0.0003	0.038	< 0.002	< 0.00001	< 0.000005	30.5	0.000016	0.000011	< 0.0001	< 0.0001	< 0.01	< 0.1	0.7	< 0.001
R6	MAXIMUM	0.0011	0.077	< 0.005	0.092	< 0.05	< 0.001	< 0.04	71.7	0.001	< 0.005	0.023	0.004	0.18	< 0.1	1.6	< 0.005
R6	# samples < MDL	15	5	12	0	14	13	16	0	11	12	11	8	6	2	1	2
R6	% samples < MDL	94	31	75	0	88	81	100	0	69	75	69	50	38	100	6	17
R6	Maximum MDL	< 0.001	< 0.05	< 0.005		< 0.05	< 0.001	< 0.04		< 0.0004	< 0.005	< 0.001	< 0.001	< 0.05	< 0.1	< 1	< 0.005
R6	25th Percentile	0.00004	0.00415	0.000478	0.0650	0.0025	0.000151	0.000376	37.4	0.00005	0.00010	0.00010	0.0005	0.025	0.050000001	0.867	0.00195
R6	75th Percentile	0.000125	0.0151	0.0005	0.0811	0.025	0.0005	0.0005	44.3	0.00010	0.0005	0.000625	0.00100	0.062499999	0.05	1.20	0.00243

Notes:
 Statistics calculated for stations with 3 or more values in a dataset.
 DL: Method Detection Limit
 Method Detection Limit set to 1/2 method detection limit for statistical calculations

B2.3-1: Rose Creek/Anvil Creek/Pelly River Drainage Reference Sites

STATION	DATE	MG-D mg/L	MN-D mg/L	MO-D mg/L	NA-D mg/L	NI-D mg/L	PB-D mg/L	P-D mg/L	SB-D mg/L	SE-D mg/L	SI-D mg/L	SN-D mg/L	SR-D mg/L	TI-D mg/L	TL-D mg/L	U-D mg/L	V-D mg/L	ZN-D mg/L	ZR-D mg/L
R6	MEAN	10.6	0.00941	0.00110	2.15	0.000646	0.000803	0.154	0.00209	0.00079	5.54	0.000690	0.124	0.00103	0.000034	0.00191	0.00049	0.00448	0.00335
R6	STD	1.53	0.0091	0.0004	0.838	0.0007	0.0012	0.208	0.0045	0.0006	2.63	0.0012	0.0297	0.0017	0	0.0004	0.0006	0.0095	0.0024
R6	MINIMUM	8.28	0.002	0.0004	1.17	< 0.00002	0.000016	0.123	0.00012	0.0007	2.47	< 0.00001	0.096	< 0.0005	< 0.000002	0.0012	0.0001	< 0.0004	< 0.0001
R6	MAXIMUM	14.7	0.04	0.0023	4.99	< 0.005	< 0.01	0.8	< 0.03	< 0.005	11.5	< 0.01	0.22	0.007	< 0.0001	0.0028	< 0.005	0.04	< 0.01
R6	# samples < MDL	0	0	1	0	11	12	9	11	11	0	14	0	14	12	0	14	10	11
R6	% samples < MDL	0	0	6	0	69	75	75	69	69	0	88	0	88	100	0	88	62	92
R6	Maximum MDL			< 0.002		< 0.005	< 0.01	< 0.2	< 0.03	< 0.005		< 0.01		< 0.005	< 0.0001		< 0.005	< 0.005	< 0.01
R6	25th Percentile	9.89	0.00475	0.00097	1.850000005	0.000407	0.000490	0.075000001	0.0005	0.0005	3.90	0.00018	0.108	0.000438	0.000001	0.00162	0.000100	0.00123	0.000087
R6	75th Percentile	10.9	0.01	0.00121	2.14	0.0005	0.0005	0.106	0.0005	0.000757	6.17	0.0005	0.130	0.0005	0.000050	0.00215	0.0005	0.0025	0.005

Notes:
 Statistics calculated for stations with 3 or more values in a dataset.
 DL: Method Detection Limit
 Method Detection Limit set to 1/2 method detection limit for statistical calculations