

Appendix B

Surface Water Monitoring at Rock Creek

Surface Water Monitoring
at Rock Creek

Rock Creek Data

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
GLAC																
5004	9/10/2002	#N/A	Accepted					163	0.2	112	20.8	2.37	0.1	0.1	0.1	0.1
1106	7/30/2003	#N/A	Accepted					18.8	0.215	104	19.4	2.13	0.05	0.05	0.056	0.5
5104	8/13/2003	#N/A	Accepted					135	0.204	109	20	2.19	0.05	0.05	0.05	0.05
5114	8/20/2003	#N/A	Accepted					144	0.9	110	21.5	2.19	0.05	0.05	0.05	0.05
5122	8/27/2003	#N/A	Accepted					140	0.2	110	20.6	2.16	0.05	0.05	0.059	0.05
5129	9/3/2003	#N/A	Accepted					148	0.2	108	21.3	2.21	0.05	0.05	0.046	0.05
5137	9/10/2003	#N/A	Accepted					143	0.2	113	22.7	2.33	0.034	0.05	0.05	0.05
5146	9/17/2003	#N/A	Accepted					148	0.2	114	23.7	2.39	0.033	0.05	0.05	0.05
5154	9/24/2003	#N/A	Accepted					155	0.2	108	23	2.3	0.031	0.05	0.05	0.5
5162	10/1/2003	#N/A	Accepted					98.8	0.2	112	23.2	2.39	0.05	0.05	0.05	0.5
5170	10/8/2003	#N/A	Accepted					136	0.2	114	23.2	2.34	0.031	0.05	0.05	0.5
5179	10/15/2003	#N/A	Accepted					130	0.2	117	24.3	2.38	0.05	0.05	0.05	0.5
5187	10/22/2003	#N/A	Accepted					53.8	0.2	120	25.2	2.45	0.05	0.05	0.05	0.5
5194	10/29/2003	#N/A	Accepted					155	0.2	112	25	2.35	0.05	0.05	0.05	0.5
5201	11/5/2003	#N/A	Accepted					140	1	104	20.8	2.23	0.05	0.05	0.05	0.5
5210	11/12/2003	#N/A	Accepted					144	0.8	110	22.4	2.38	0.05	0.05	0.05	0.5
5218	11/19/2003	#N/A	Accepted					153	1.7	112	24.3	2.47	0.033	0.05	0.031	1.26
5226	11/25/2003	#N/A	Accepted					165	0.2	110	22.8	2.41	0.05	0.05	0.05	0.5
5234	12/3/2003	#N/A	Accepted					133	0.9	89	44.5	3.19	0.05	0.05	0.05	0.5
5240	12/10/2003	#N/A	Accepted					154	0.2	109	23.4	2.38	0.033	0.05	0.05	0.5
5246	12/16/2003	#N/A	Accepted			7.70	260	149	0.286	110	24.2	2.4	0.045	0.05	0.05	0.5
5261	12/30/2003	#N/A	Accepted					165	0.2	120	24.9	2.42	0.051	0.05	0.05	0.43
5268	1/6/2004	#N/A	Accepted					154	0.205	118	25.7	2.43	0.054	0.05	0.05	0.5
5275	1/14/2004	#N/A	Accepted					188	0.2	116	25.5	2.49	0.05	0.05	0.0394	0.5
5280	1/21/2004	#N/A	Accepted					170	0.2	118	27.4	2.41	0.039	0.05	0.05	0.8
5286	1/28/2004	#N/A	Accepted					179	1.7	118	26.9	2.45	0.056	0.05	0.05	0.5
5298	2/10/2004	#N/A	Accepted					178	0.2	130	33.3	2.62	0.068		0.05	0.5
5304	2/17/2004	#N/A	Accepted					168	0.25	120	30	2.49	0.102		0.05	0.5
5313	2/24/2004	#N/A	Accepted					160	0.25	128	30.3	2.49	0.043		0.05	0.5
5320	3/2/2004	#N/A	Accepted					164	0.7	122	28.1	2.41	0.044		0.05	0.5
5328	3/10/2004	#N/A	Accepted					179	0.2	126	27.9	2.39	0.042		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
GLAC																		
5004	9/10/2002	0.0025		138.36	10	0.5	6.43	4.23	0.2	0.05	40.3	2	2	0.5	0.02	0.2	9.15	2.5
1106	7/30/2003	0.0025		128.43	10	0.392	5.38	4.34	0.2	0.05	37.3	0.5	2	0.453	0.02	0.1	8.56	0.5
5104	8/13/2003	0.004	0.007	130.71	10	0.5	5.76	4.54	0.2	0.05	37.7	0.5	2	0.363	0.02	0.1	8.87	0.799
5114	8/20/2003	0.0025	0.0025	139.75	10	0.5	5.85	4.18	0.2	0.05	40.3	1.09	2	0.367	0.02	0.1	9.49	0.61
5122	8/27/2003	0.0025	0.006	133.90	10	0.328	2.56	4.22	0.2	0.05	38.5	0.5	2	0.5	0.02	0.1	9.16	0.487
5129	9/3/2003	0.0025	0.0025	134.23	10	0.5	3.66	3.89	0.2	0.05	38.6	0.5	2	0.418	0.02	0.1	9.18	0.599
5137	9/10/2003	0.0025	0.0025	138.01	10	0.407	3.98	3.73	0.2	0.05	39.7	0.749	2	0.357	0.0184	0.1	9.43	0.487
5146	9/17/2003	0.0025	0.0025	149.53	10	0.311	3.8	3.9	0.2	0.05	43.8	1.32	2	0.5	0.02	0.1	9.74	0.5
5154	9/24/2003	0.0025	0.0025	149.46	10	0.5	3.33	3.58	0.2	0.05	44.1	0.5	2	0.53	0.02	0.1	9.54	0.5
5162	10/1/2003	0.0025	0.0025	139.37	10	0.5	2.87	3.92	0.2	0.05	40	1.14	2	0.5	0.02	0.1	9.58	0.5
5170	10/8/2003	0.0025	0.0025	135.21	10	0.4	3.48	4.43	0.149	0.05	38.5	0.5	2	0.5	0.02	0.134	9.48	0.391
5179	10/15/2003	0.0025	0.0025	140.85	10	0.367	4.24	4.06	0.2	0.05	39.9	1.25	2	0.797	0.02	0.1	10	0.334
5187	10/22/2003	0.0025	0.0025	145.26	10	0.315	3.37	3.79	0.2	0.05	41.5	1.25	2	0.835	0.02	0.1	10.1	0.399
5194	10/29/2003	0.0025	0.0025	146.10	10	0.37	4.2	4.03	0.2	0.05	42	0.5	2	0.5	0.02	0.1	10	0.488
5201	11/5/2003	0.0026	0.0025	131.08	10	0.5	3.05	2.94	0.2	0.05	37.7	2.58	2	0.5	0.02	0.079	8.96	0.729
5210	11/12/2003	0.0025	0.0025	138.22	10	0.39	5.81	3.88	0.2	0.05	39.8	0.5	2	0.352	0.02	0.1	9.42	1.06
5218	11/19/2003	0.0025	0.0025	133.95	10	0.412	3.39	3.81	0.2	0.05	38.7	0.5	2	0.319	0.02	0.104	9.05	0.788
5226	11/25/2003	0.0025	0.0025	134.69	10	0.367	4.18	3.96	0.2	0.05	38.8	0.5	2	0.72	0.02	0.1	9.17	0.365
5234	12/3/2003	0.0025	0.0025	115.02	10	0.52	3.11	10.5	0.2	0.05	34.5	0.5	2	0.351	0.014	0.07	7	3.11
5240	12/10/2003	0.0025	0.0025	137.18	10	0.5	5.03	4.01	0.2	0.05	39.5	0.5	2	0.5	0.02	0.1	9.35	0.5
5246	12/16/2003	0.0025	0.0025	141.07	10	0.421	5.82	3.57	0.2	0.05	40.2	0.5	2	0.5	0.02	0.1	9.87	0.5
5261	12/30/2003	0.0025	0.0025	138.17	10	0.394	5.47	3.57	0.2	0.05	39.6	0.5	2	1.78	0.02	0.1	9.53	0.5
5268	1/6/2004	0.0025	0.0025	138.34	10	0.366	6.69	4.12	0.2	0.05	39.8	0.5	2	0.5	0.02	0.1	9.45	0.5
5275	1/14/2004	0.0025	0.0025	144.11	10	0.421	5.36	4.32	0.2	0.05	41.6	0.5	2	0.5	0.02	0.1	9.76	0.5
5280	1/21/2004	0.0025	0.0025	148.01	10	0.459	7.77	4.33	0.2	0.05	42.6	23.7	2	0.788	0.02	0.1	10.1	2.63
5286	1/28/2004	0.0025	0.0025	145.23	9.26	0.408	8.87	4.48	0.2	0.05	41.7	2.4	2	0.5	0.0153	0.1	9.97	1.88
5298	2/10/2004	0.0025	0.0025	154.41	10	1.22	11.8	4.82	0.2	0.05	44.5	0.5	2	0.5	0.02	0.1	10.5	1.39
5304	2/17/2004	0.0025	0.0025	153.83	10	0.616	12.2	4.98	0.2	0.05	44.6	0.5	2	0.5	0.02	0.1	10.3	0.5
5313	2/24/2004	0.0025	0.0025	156.57	10	0.979	12.3	4.73	0.2	0.05	45.2	0.859	2	0.658	0.02	0.1	10.6	0.5
5320	3/2/2004	0.0025	0.0025	147.33	10	0.616	16.3	4.59	0.2	0.05	42	0.5	2	0.329	0.02	0.1	10.3	0.408
5328	3/10/2004	0.0025	0.0085	155.07	23.9	0.527	15.5	4.27	0.2	0.05	44.6	1.08	2	0.5	0.02	0.1	10.6	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
GLAC																			
5004	9/10/2002		5	0.859	250	220	1	2070	0.5	1810	0.116	0.15	0.5	20.7	2.5	1	10	0.438	6.85
1106	7/30/2003	1	5	1	15	235	2.5	2200	0.5	1810	0.11	0.5	2.5	35.9	10	1	10	0.5	6.56
5104	8/13/2003	0.5	5	1	15	192	2.5	2110	0.5	1800	0.11	0.5	2.5	33.4	10	1	10	0.5	6.04
5114	8/20/2003	0.5	5	0.989	15	179	2.5	1910	0.5	1710	0.116	0.5	2.5	25.1	10	1.09	10	0.5	7.09
5122	8/27/2003	1.5	5	1	15	182	2.5		0.5	1600	0.112	0.5	2.5	5.86	10	1	10	0.507	5.97
5129	9/3/2003	0.5	5	1	15	200	2.5		0.5	1800	0.116	0.5	2.5	22.9	10	1	10	0.402	5.18
5137	9/10/2003	0.5	5	0.891	15	198	2.5		0.5	1810	0.122	0.5	2.5	20.2	10	1	10	0.5	3.88
5146	9/17/2003	0.5	5	1.72	15	172	2.5		0.5	1550	0.121	0.5	2.5	24.3	10	1	10	0.329	3.62
5154	9/24/2003	0.5	5	1	15	174	2.5		0.5	1650	0.112	0.5	2.5	21.6	10	1	10	0.335	4.18
5162	10/1/2003	0.5	5	1	15	176	2.5		0.5	1750	0.114	0.5	2.5	51.4	10	1.09	10	0.373	4.04
5170	10/8/2003	0.5	5	0.764	15	208	2.5		0.5	1780	0.112	0.5	2.31	54.3	6.51	1	10	0.355	3.92
5179	10/15/2003	0.5	5	0.841	15	224	2.5		0.5	1760	0.114	0.5	2.5	35.5	10	1.08	10	0.338	3.32
5187	10/22/2003	0.5	5	0.868	15	254	2.5		0.5	1730	0.118	0.5	2.5	37.3	10	1	10	0.5	4.2
5194	10/29/2003	0.5	5	1.12	15	200	2.5		0.5	1790	0.116	0.5	2.5	47.5	10	1	10	0.342	4.27
5201	11/5/2003	0.5	5	0.832	15	250	2.5		0.5	1430	0.108	0.5	2.5	30.4	10	1	10	0.347	2.81
5210	11/12/2003	0.5	5	0.905	15	189	2.5		0.5	1720	0.114	0.5	2.5	46	10	1	10	0.418	5.37
5218	11/19/2003	1.3	5	0.62	15	183	2.5		0.5	1710	0.107	0.5	2.5	38.8	10	1	10	0.562	5.9
5226	11/25/2003	0.5	5	0.764	15	183	2.5		0.5	1760	0.114	0.5	2.5	43.5	10	1	10	0.332	3.02
5234	12/3/2003	1.4	5	0.802	26.1	232	2.5		0.5	2050	0.136	0.5	2.5	35.5	10	26.8	8.85	0.538	2.5
5240	12/10/2003	0.5	5	0.728	15	166	2.5		0.5	1650	0.112	0.5	2.5	45.5	10	1	10	0.425	4.42
5246	12/16/2003	0.5	5	0.646	15	173	2.5		0.5	1850	0.114	0.5	2.5	47.7	10	1	10	0.5	6.36
5261	12/30/2003	1.4	5	1.08	15	189	2.5		0.5	1820	0.111	0.5	2.5	50.9	10	2.33	10	0.333	4.86
5268	1/6/2004	0.5	5	1	15	189	2.5		0.5	1760	0.109	0.5	2.5	50.2	10	1.22	10	0.378	5.81
5275	1/14/2004	0.5	5	1	15	190	2.5		0.5	1830	0.117	0.5	2.5	45.2	10	5.73	10	0.332	5.45
5280	1/21/2004	0.5	5	23	15	208	2.5		0.5	1780	0.121	0.833	2.5	45.7	10	1.8	10	0.448	7.38
5286	1/28/2004	1.4	5	1.59	15	174	2.5		0.5	1770	0.12	0.5	2.5	46.9	10	3.76	10	0.331	7.44
5298	2/10/2004	0.5	5	1.22	15	204	2.5		0.5	1990	0.133	0.445	2.5	39.2	10	2.38	10	0.773	9.45
5304	2/17/2004	1.6	5	0.959	15	263	2.5		0.5	2090	0.126	0.5	2.5	45.8	10	1	10	0.412	15
5313	2/24/2004	2.8	5	1.21	15	208	2.5		0.5	1820	0.13	1.32	2.5	39.1	10	2.6	10	0.868	13.1
5320	3/2/2004	1.3	5	2.04	15	217	2.5		0.5	1850	0.117	0.788	2.5	55.9	10	7.7	10	0.613	14.9
5328	3/10/2004	0.5	5	1.01	15	200	2.5		0.5	1760	0.124	0.715	2.5	56.1	10	1	10	0.546	15

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
GLAC																			
5004	9/10/2002	4.24	0.146	0.05	34.6	2	2	0.5	0.02	0.2	8.73	2.5		5	0.984	250	211	1	
1106	7/30/2003	4.77	0.2	0.05	37.9	0.5	2	0.5	0.02	0.1	8.67	0.62		5	0.638	15	213	2.5	
5104	8/13/2003	4.5	0.2	0.05	38.6	0.442	2	0.433	0.02	0.478	9.01	0.923		5	1	15	197	2.5	
5114	8/20/2003	4.41	0.2	0.05	40.1	0.5	2	0.445	0.02	0.1	9.41	0.485		5	1.14	15	186	2.5	
5122	8/27/2003	4.29	0.2	0.154	38.8	0.5	2	0.596	0.02	0.172	9.19	0.679		8.4	1	15	188	4.27	
5129	9/3/2003	3.79	0.2	0.05	38.4	0.5	2	0.5	0.02	0.1	9.27	0.487		5	1	15	167	2.5	
5137	9/10/2003	4.35	0.2	0.05	34.4	0.895	2	0.66	0.02	0.1	8.91	0.556		5	1	15	188	2.5	
5146	9/17/2003	3.62	0.2	0.05	40.5	1.49	2	0.5	0.02	0.1	9.34	0.5		5	1.55	15	169	2.5	
5154	9/24/2003	3.91	0.2	0.05	42.6	0.447	2	0.412	0.02	0.1	9.29	0.427		5	1	15	161	2.5	
5162	10/1/2003	4.13	0.2	0.05	38	0.5	2	0.5	0.02	0.1	9.3	0.406		5	0.687	15	201	2.5	
5170	10/8/2003	4.06	0.2	0.05	38.5	0.5	2	0.5	0.02	0.1	9.1	0.392		5	0.639	15	179	2.5	
5179	10/15/2003	3.9	0.2	0.05	40.9	0.5	2	0.543	0.02	0.1	9.73	0.321		5	0.861	15	234	2.5	
5187	10/22/2003	4.03	0.2	0.05	39.6	0.5	2	0.5	0.02	0.1	6.32	0.5		5	1.37	15.6	194	2.5	
5194	10/29/2003	4.03	0.2	0.05	40.5	0.5	2	0.5	0.02	0.1	9.69	0.426		5	1.26	15.4	179	2.5	
5201	11/5/2003	3.13	0.2	0.05	34.8	1.02	2	0.5	0.02	0.1	8.27	0.5		5	0.971	15	162	2.5	
5210	11/12/2003	3.82	0.2	0.05	37.8	0.5	2	0.5	0.02	0.1	9.07	0.417		5	0.718	15	204	2.5	
5218	11/19/2003	4.29	0.189	0.07	36.8	0.5	2	0.311	0.02	0.099	8.68	0.342		6.19	0.758	15	202	2.24	
5226	11/25/2003	3.74	0.2	0.05	36.8	0.5	2	0.5	0.02	0.1	8.66	0.5		5	0.634	15	203	2.5	
5234	12/3/2003	11.4	0.2	0.05	33.9	0.5	2	0.45	0.02	0.1	6.86	2.87		5	0.665	15	228	2.5	
5240	12/10/2003	3.76	0.2	0.05	36.6	0.5	2	0.5	0.02	0.1	8.55	0.5		5	1	15	197	2.5	
5246	12/16/2003	3.91	0.2	0.05	40.1	0.5	2	0.5	0.02	0.1	9.57	0.5		5	0.815	9.46	209	2.5	
5261	12/30/2003	3.51	0.2	0.05	39	0.5	2	0.5	0.02	0.1	9.14	0.5		5	1.06	15	176	2.5	
5268	1/6/2004	4.14	0.2	0.05	39.2	0.5	2	0.5	0.02	0.1	9.3	0.5		5	1	9.52	191	2.5	
5275	1/14/2004	4.11	0.2	0.05	39.5	0.5	2	0.5	0.02	0.1	9.49	0.5		5	1	10.5	189	2.5	
5280	1/21/2004	4.06	0.2	0.05	40.7	1.57	2	0.5	0.02	0.1	9.73	0.5		5	1	15	188	2.5	
5286	1/28/2004	3.98	0.2	0.05	38.9	1.28	2	0.5	0.02	0.1	9.43	0.5		5	0.87	15	163	2.5	
5298	2/10/2004	4.76	0.2	0.05	44.4	0.5	2	0.5	0.02	0.1	10.6	1.15		5	1.29	15	225	2.5	
5304	2/17/2004	4.7	0.2	0.05	43.4	0.512	2	0.5	0.02	0.1	9.92	0.5		5	1.42	9.9	222	2.5	
5313	2/24/2004	4.96	0.2	0.05	42.6	0.646	2	0.5	0.02	0.1	10.1	0.5		5	0.984	15	242	2.5	
5320	3/2/2004	4.48	0.2	0.05	42.4	0.5	2	0.5	0.02	0.1	10	0.5		5	1.11	22.5	230	2.5	
5328	3/10/2004	4.44	0.2	0.05	40.1	0.5	2	0.5	0.02	0.1	10.1	0.5		5	1.32	15	204	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
GLAC												
5004	9/10/2002	0.5	1820	0.111	1.37	2.43	20.6	2.5	1	3.39	2.53	15%
1106	7/30/2003	0.5	1790	0.111	0.5	2.5	21.8	10	1	3.18	2.69	8%
5104	8/13/2003	0.5	1740	0.113	0.5	2.5	39.1	10	1	3.28	2.75	9%
5114	8/20/2003	0.5	1780	0.114	0.5	2.5	31.5	10	1	3.38	2.86	8%
5122	8/27/2003	0.5	1620	0.111	1.28	8.11	9.27	10	1	3.33	2.77	9%
5129	9/3/2003	0.5	1530	0.117	0.5	2.5	16.6	10	1	3.33	2.75	10%
5137	9/10/2003	0.5	1820	0.115	0.5	2.5	24.6	10	1	3.51	2.54	16%
5146	9/17/2003	0.5	1610	0.116	0.5	2.5	18.9	10	1	3.58	2.87	11%
5154	9/24/2003	0.5	1680	0.11	0.5	2.5	12.8	10	1.73	3.45	2.97	8%
5162	10/1/2003	0.5	1740	0.11	0.5	2.5	56.8	10	1	3.55	2.74	13%
5170	10/8/2003	0.5	1670	0.109	0.5	2.5	52.9	10	1	3.59	2.75	13%
5179	10/15/2003	0.5	1740	0.112	0.5	2.5	37.7	10	2.14	3.70	2.93	12%
5187	10/22/2003	0.5	1750	0.0716	0.5	2.5	49.4	10	1	3.81	2.58	19%
5194	10/29/2003	0.5	1770	0.114	0.5	2.5	48.4	10	4.95	3.64	2.90	11%
5201	11/5/2003	0.5	1520	0.101	0.5	2.5	33.6	10	1	3.26	2.49	13%
5210	11/12/2003	0.5	1630	0.111	0.5	2.5	51.2	10	1	3.46	2.71	12%
5218	11/19/2003	0.5	1890	0.105	2.69	2.5	45.4	10	2.17	3.66	2.64	16%
5226	11/25/2003	0.5	1730	0.102	0.5	2.5	43	10	1	3.49	2.63	14%
5234	12/3/2003	0.5	2090	0.133	0.5	2.5	31.7	10	33.1	4.22	2.35	28%
5240	12/10/2003	0.5	1810	0.102	0.5	2.5	50.1	10	1.43	3.50	2.62	14%
5246	12/16/2003	0.5	1820	0.116	0.5	2.5	53.1	10	2.69	3.78	2.87	14%
5261	12/30/2003	0.5	1780	0.108	0.5	2.5	50.3	10	1.46	3.79	2.78	15%
5268	1/6/2004	0.5	1800	0.11	0.5	2.5	47.6	10	3.05	3.80	2.81	15%
5275	1/14/2004	0.5	1860	0.115	0.5	2.5	46.4	10	2.81	3.75	2.84	14%
5280	1/21/2004	0.5	1740	0.117	0.5	2.5	43.6	10	6.39	3.91	2.91	15%
5286	1/28/2004	0.5	1660	0.113	0.5	2.5	44.3	10	1	3.86	2.80	16%
5298	2/10/2004	0.5	1890	0.133	0.5	2.5	46	10	1	4.44	3.18	17%
5304	2/17/2004	0.5	1910	0.124	0.5	2.5	36.2	10	2.2	4.07	3.07	14%
5313	2/24/2004	0.5	1990	0.126	1.38	2.5	47.9	10	1.99	4.24	3.05	16%
5320	3/2/2004	0.5	1840	0.115	1.29	2.5	52.9	10	2.71	4.00	3.03	14%
5328	3/10/2004	0.5	1730	0.117	0.999	2.5	56.2	10	1.94	4.07	2.91	17%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
GLAC																
5334	3/15/2004	#N/A	Accepted					185	0.25	126	29.5	2.53	0.038		0.05	0.43
5341	3/22/2004	#N/A	Accepted					169	0.25	122	28.7	2.39	0.036		0.05	0.5
5347	3/30/2004	#N/A	Accepted					185	0.25	120	29.1	2.44	0.05		0.05	0.5
5350	4/5/2004	#N/A	Accepted					170	0.25	124	28.6	2.48	0.058		0.05	0.5
5361	4/14/2004	#N/A	Accepted					158	0.2	113	25.9	3.15	0.04		0.05	0.5
5368	4/19/2004	#N/A	Accepted					158	0.3	104	23	3.74	0.041		0.05	0.5
5373	4/26/2004	#N/A	Accepted					154	0.5	112	22.1	3.58	0.031		0.05	0.5
5380	5/3/2004	#N/A	Accepted					90	4.1	66	12.5	4.79	0.032		0.05	0.5
5387	5/11/2004	#N/A	Rejected					99	0.3	65	11.2	2.99	0.053		0.05	0.5
5395	5/17/2004	#N/A	Accepted					59	14.7	34	5.11	2.08	0.05		0.05	0.5
5404	5/24/2004	#N/A	Accepted					74	7	41.5	5.87	2.05	0.05		0.05	0.5
5411	6/1/2004	#N/A	Accepted					90	0.2	70	11.6	2.44	0.033		0.05	0.5
5420	6/7/2004	#N/A	Accepted					108	0.4	82	14	2.37	0.042		0.05	0.5
5429	6/14/2004	#N/A	Accepted					105	0.4	89	15.8	2.63	0.05		0.05	0.5
5438	6/21/2004	#N/A	Accepted					121	0.25	106	16.9	2.54	0.048		0.128	1.51
5447	6/30/2004	#N/A	Accepted					136	0.6	101	18	2.63	0.049		0.05	0.5
5457	7/6/2004	#N/A	Accepted					143	0.4	106	18.3	2.52	0.05		0.05	0.5
5467	7/13/2004	#N/A	Accepted					141	1.5	110	19.4	2.72	0.034		0.05	1
5477	7/19/2004	#N/A	Accepted					149	1	111	20.2	2.78	0.054		0.05	1
5487	7/26/2004	#N/A	Accepted					129	0.3	107	20.8	2.62	0.047		0.05	1
5497	8/2/2004	#N/A	Accepted					165	0.4	113	21.6	2.66	0.049		0.05	0.5
5507	8/9/2004	#N/A	Accepted					133	0.4	112	17.5	2.3	0.05		0.05	0.5
5507	8/16/2004	#N/A	Accepted					119	0.9	91	15.1	2.21	0.05		0.05	0.5
5517	8/23/2004	#N/A	Accepted					106	0.3	101	17.2	2.35	0.034		0.05	0.5
5527	8/30/2004	#N/A	Accepted					133	0.4	103	0.05	2.47	0.05		0.05	0.5
5537	9/7/2004	#N/A	Accepted					149	0.25	110	20.7	2.48	0.058		0.05	0.5
5547	9/13/2004	#N/A	Accepted					139	0.25	110	21.9	2.52	0.031		0.064	1.4
5557	9/20/2004	#N/A	Accepted					158	0.3	111	22.1	2.52	0.05		0.04	0.5
5567	9/27/2004	#N/A	Accepted					135	0.25	106	23.1	2.6	0.05		0.05	0.5
5577	10/4/2004	#N/A	Accepted					145	0.25	108	23.6	2.84	0.05		0.05	
5587	10/11/2004	#N/A	Accepted					138	0.25	110	23.7	2.58	0.053		0.05	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
GLAC																		
5334	3/15/2004	0.0025	0.0025	147.60	10	0.501	16	4.65	0.2	0.05	42.6	3.42	2	0.569	0.02	0.1	10	0.5
5341	3/22/2004	0.0025	0.0025	145.85	10	0.496	17.6	4.36	0.2	0.05	41.9	5.63	2	0.5	0.02	0.1	10	0.5
5347	3/30/2004	0.0025	0.0025	142.8	10	0.5	14.2	4.61	0.2	0.05	43.4	0.5	2	0.5	0.02	0.1	10.4	0.5
5350	4/5/2004	0.0025	0.0025	153.74	10	0.45	16.3	4.65	0.2	0.05	44.4	4.34	2	0.5	0.02	0.1	10.4	0.5
5361	4/14/2004	0.0025	0.0025	140.53	10	0.421	11.4	4.18	0.2	0.25	40.2	0.5	2	0.333	0.02	0.1	9.74	2.24
5368	4/19/2004	0.0025	0.0025	134.65	9.75	0.371	11.2	3.93	0.2	0.25	38.8	0.5	2	0.5	0.02	0.1	9.16	1.88
5373	4/26/2004	0.0025	0.0025	136.05	7.12	0.443	5.17	3.76	0.2	0.25	38.9	0.5	2	0.5	0.02	0.1	9.44	0.763
5380	5/3/2004	0.0025	0.0025	75.62	15.7	0.419	6.52	2.44	0.2	0.25	21.7	0.5	2	0.5	0.0233	0.1	5.2	3.93
5387	5/11/2004	0.0025	0.0025	75.30	13.2	0.345	5.49	2.83	0.2	0.25	21.9	0.5	2	0.364	0.0141	0.1	5	1.89
5395	5/17/2004	0.0025	0.0025	37.03	71.7	0.525	5.58	2.19	0.2	0.121	10.9	0.5	2	0.584	0.111	0.151	2.38	11.4
5404	5/24/2004	0.0025	0.0025	48.79	44.4	0.5	3.58	1.97	0.2	0.25	14.6	0.5	2	0.357	0.0544	0.066	2.99	5.33
5411	6/1/2004	0.0025	0.0025	82.02	10	0.358	4.7	2.61	0.2	0.25	23.7	0.5	2	0.5	0.02	0.1	5.54	0.567
5420	6/7/2004	0.0025	0.0025	97.43	10	0.458	5.36	3.53	0.2	0.25	28.6	0.5	2	0.5	0.02	0.1	6.31	0.41
5429	6/14/2004	0.0025	0.0025	104.78	10	0.442	5.18	3.57	0.2	0.25	30.6	0.93	2	0.5	0.02	0.1	6.88	0.509
5438	6/21/2004	0.0025	0.012	122.49	10	0.452	6.31	3.84	0.2	0.25	34.3	1.95	2	0.501	0.88	0.1	8.94	0.701
5447	6/30/2004	0.0025	0.0025	118.72	10	0.489	5.71	3.96	0.2	0.25	34.5	0.5	2	0.5	0.02	0.1	7.9	0.433
5457	7/6/2004	0.0025	0.0025	120.44	7.21	0.472	6.11	4.21	0.2	0.25	34.2	4.21	2	0.5	0.02	0.1	8.5	0.883
5467	7/13/2004	0.0025	0.0025	126.85	10	0.52	6.37	4.45	0.2	0.25	36.7	0.547	2	0.5	0.0289	0.1	8.54	0.948
5477	7/19/2004	0.0025	0.0025	133.10	10	0.504	6.99	4.4	0.2	0.25	39.2	0.5	2	0.5	0.02	0.1	8.54	1.04
5487	7/26/2004	0.0025	0.0025	136.68	10	0.443	8.14	4.93	0.2	0.25	40.6	0.5	2	0.5	0.02	0.1	8.56	1.57
5497	8/2/2004	0.0025	0.0025	134.05	10	0.574	9.38	4.56	0.2	0.25	39.5	0.5	2	0.5	0.02	0.1	8.59	1.35
5507	8/9/2004	0.0025	0.0025	126.82	10	0.434	5.19	4.23	0.2	0.25	37	0.5	2	0.5	0.02	0.12	8.35	1.11
5507	8/16/2004	0.0025	0.0025	100.00	10	0.512	5.27	3.67	0.2	0.25	29.1	0.5	2	0.5	0.02	0.1	6.63	0.93
5517	8/23/2004	0.0025	0.0025	112.75	10	0.412	5.04	3.64	0.2	0.25	33.1	0.5	2	0.5	0.02	0.1	7.3	0.593
5527	8/30/2004	0.0025	0.0025	116.24	10	0.326	3.55	3.74	0.2	0.25	34.1	0.5	2	0.5	0.02	0.1	7.54	0.519
5537	9/7/2004	0.0025	0.0025	126.65	10	0.5	4.2	3.92	0.2	0.25	36.9	0.5	2	0.5	0.02	0.1	8.37	0.785
5547	9/13/2004	0.0025	0.0027	125.61	10	0.385	4.03	4.01	0.2	0.25	36.5	0.5	2	0.5	0.02	0.1	8.36	0.848
5557	9/20/2004	0.0025	0.0025	123.99	10	0.402	4.3	4.25	0.2	0.25	36	0.5	2	0.5	0.02	0.1	8.27	0.662
5567	9/27/2004	0.0025	0.0025	132.15	10	0.5	3.96	3.57	0.2	0.25	37.8	0.5	2	0.366	0.02	0.1	9.16	0.497
5577	10/4/2004	0.0025	0.0025	120.62	10	0.5	3.86	3.69	0.2	0.25	34.8	0.5	2	0.325	0.02	0.1	8.18	0.404
5587	10/11/2004	0.0025	0.0025	131.22	10	0.328	4.74	3.99	0.2	0.25	38.2	0.366	2	0.354	0.0165	0.1	8.69	0.832

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
GLAC																			
5334	3/15/2004	0.5	5	1.8	20.6	194	2.5		0.5	1850	0.118	0.482	2.5	36.9	10	1	10	0.515	14.9
5341	3/22/2004	0.5	5	1.88	15	193	2.5		0.5	1840	0.117	0.5	2.5	44.2	10	1	10	0.578	16.5
5347	3/30/2004		0.5	1	15	250	2.5		0.5	1830	0.122	0.5	2.5	42.2	10	1	10	0.5	13.5
5350	4/5/2004	0.5	5	1.17	15	209	2.5		0.5	1890	0.123	0.5	2.5	45.5	10	1	10	0.471	14.1
5361	4/14/2004	0.5	5	1.25	100	224	2.5		0.5	1970	0.114	0.5	0.5	29.4	10	2.5	10	0.833	11.6
5368	4/19/2004	1.7	5	1.28	100	225	2.5		0.5	2080	0.109	0.5	0.5	24.2	10	2.5	10	0.347	9.67
5373	4/26/2004	2.6	5	0.884	100	248	2.5		0.5	2290	0.107	0.335	0.5	36	10	2.5	10	0.5	6.05
5380	5/3/2004	3.6	5	1.48	100	324	2.5		0.5	2340	0.0704	0.5	0.5	21.9	10	2.5	10	0.388	4.98
5387	5/11/2004	2.2	5	0.926	100	257	2.5		0.5	1860	0.0707	0.651	0.5	18.6	10	2.5	110	0.548	3.43
5395	5/17/2004	5.6	3.33	0.753	100	232	2.5		0.5	1300	0.0356	0.5	0.5	11.2	10	2.5	18.6	0.5	4.75
5404	5/24/2004	5	5	1	100	170	2.5		0.5	1200	0.0393	0.5	0.5	12.3	10	2.5	17	0.5	3.28
5411	6/1/2004	1.5	5	0.762	100	185	2.5		0.5	1540	0.0703	0.5	0.5	23.9	10	2.5	10	0.419	4.59
5420	6/7/2004	0.5	5	1	100	218	2.5		0.5	1750	0.0821	0.5	0.5	30	10	2.5	10	0.365	3.72
5429	6/14/2004	1.2	5	0.82	100	215	2.5		0.5	1810	0.0874	0.5	0.5	28.9	10	2.5	10	0.5	4.96
5438	6/21/2004	1.4	5	0.934	100	219	2.5		0.5	1930	0.095	0.5	0.5	26.9	10	2.5	10	0.326	5.16
5447	6/30/2004	0.5	5	1	100	150	2.5		0.5	1810	0.106	0.5	0.5	36.2	10	2.5	10	0.483	6.27
5457	7/6/2004	0.5	5	0.735	100	197	3.62		0.5	1820	0.11	0.5	0.867	37.4	10	2.5	10	0.488	7.17
5467	7/13/2004	1.2	5	0.683	100	193	2.5		0.5	1900	0.117	0.5	0.5	41.1	10	2.5	10	0.559	6.59
5477	7/19/2004	0.5	5	0.8	100	172	2.5		0.5	1710	0.117	0.5	0.5	33.1	10	2.5	10	0.663	10.2
5487	7/26/2004	0.5	5	1	100	213	2.5		0.5	1930	0.119	0.5	0.5	36.6	10	10.8	10	0.592	8.06
5497	8/2/2004	0.5	5	1	100	236	2.5		0.5	2170	0.119	0.5	0.5	47.4	10	2.5	10	0.556	9.4
5507	8/9/2004	2	5	1	100	201	2.5		0.5	1680	0.111	0.5	0.5	26.5	10	2.5	10	0.5	6.19
5507	8/16/2004	1	5	1	100	214	2.5		0.5	1780	0.0893	0.5	0.5	24.5	10	2.5	10	0.449	4.51
5517	8/23/2004	0.5	5	0.642	100	159	2.5		0.5	1660	0.101	0.5	0.5	24.3	10	2.5	10	0.533	3.42
5527	8/30/2004	2.6	5	1	100	155	2.5		0.5	1930	0.105	0.5	0.5	28.8	10	2.5	10	0.386	4.57
5537	9/7/2004	1.5	5	1	100	165	2.5		0.5	1880	0.108	0.5	0.5	35.4	10	4.26	10	0.351	4.1
5547	9/13/2004	1.2	5	1	100	250	2.5		0.5	1770	0.106	0.5	0.5	43	10	2.5	10	0.345	4.18
5557	9/20/2004	0.5	5	1	100	196	2.5		0.5	1810	0.104	0.5	0.5	42.7	10	2.5	10	0.376	4.87
5567	9/27/2004	0.5	5	1	100	151	2.5		0.5	1820	0.111	0.5	0.5	26.7	10	2.5	10	0.359	3.86
5577	10/4/2004	1.5	5	1	100	161	2.5		0.5	1700	0.0964	0.5	0.5	27.2	10	2.5	10	0.347	5.43
5587	10/11/2004	1.5	5	1.38	100	166	2.5		0.5	1710	0.11	0.5	0.5	14.6	10	2.5	10	0.354	5.93

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
GLAC																			
5334	3/15/2004	4.3	0.2	0.05	39	1.07	2	0.5	0.02	0.1	9.72	0.5		5	1.73	46.8	182	2.5	
5341	3/22/2004	4.59	0.2	0.05	41	5.33	2	0.5	0.02	0.1	9.89	0.5		5	1.72	23.7	210	2.5	
5347	3/30/2004	4.47	0.2	0.05	40.7	0.5	2	0.5	0.02	0.1	10	0.5		0.5	1	15	250	2.5	
5350	4/5/2004	4.54	0.2	0.05	43.8	2.06	2	0.5	0.02	0.1	10.3	0.5		5	1.19	10.3	195	2.5	
5361	4/14/2004	4.15	0.2	0.25	39.9	0.5	2	0.5	0.03	0.1	9.35	2.13		5	1.48	100	257	2.5	
5368	4/19/2004	3.89	0.2	0.25	36.2	0.5	2	0.5	0.02	0.1	8.73	1.43		5	1.32	100	228	2.5	
5373	4/26/2004	3.63	0.2	0.25	39.1	0.5	2	0.5	0.02	0.1	9.4	0.5		5	1.16	100	190	2.5	
5380	5/3/2004	2.37	0.2	0.25	23	0.5	2	0.5	0.02	0.1	5.65	0.581		5	0.66	100	299	2.5	
5387	5/11/2004	6.98	0.346	0.203	20.7	0.5	2	1.43	0.02	1.19	4.74	3.53		5	1.58	100	268	2.5	
5395	5/17/2004	1.65	0.2	0.25	9.95	0.5	2	0.653	0.0164	0.1	2.21	0.941		5	1.59	100	209	2.5	
5404	5/24/2004	1.66	0.2	0.25	13.8	0.5	2	0.5	0.0137	0.1	2.88	0.643		5	1	100	166	2.5	
5411	6/1/2004	2.87	0.2	0.25	21.2	0.539	2	0.36	0.02	0.1	4.85	0.375		5	0.708	100	166	2.5	
5420	6/7/2004	3.05	0.2	0.25	27.3	0.5	2	0.5	0.02	0.1	6	0.318		5	1	100	177	2.5	
5429	6/14/2004	3.52	0.2	0.25	30.1	0.314	2	0.5	0.0148	0.088	7.22	0.462		5	0.927	100	217	2.5	
5438	6/21/2004	3.19	0.2	0.25	32.2	0.5	2	0.5	0.02	0.1	7.02	0.321		5	0.625	100	178	2.5	
5447	6/30/2004	3.93	0.2	0.25	34	0.5	2	0.5	0.02	0.1	7.6	0.428		5	1	100	181	2.5	
5457	7/6/2004	4.41	0.2	0.25	35.4	3.19	2	0.5	0.02	0.1	8.18	0.718		5	0.696	100	192	3.23	
5467	7/13/2004	4.3	0.2	0.25	34.9	0.5	2	0.5	0.02	0.1	7.79	0.59		5	1	100	193	2.5	
5477	7/19/2004	5.42	0.2	0.25	37.1	0.5	2	0.5	0.02	0.1	7.94	2.9		5	1	100	182	2.5	
5487	7/26/2004	4.68	0.2	0.25	38.9	0.5	2	0.5	0.02	0.1	8.37	1.27		5	0.925	100	201	2.5	
5497	8/2/2004	4.55	0.2	0.25	35.8	0.5	2	0.5	0.02	0.1	7.97	1.25		5	1	100	217	2.5	
5507	8/9/2004	4.38	0.2	0.25	36.2	0.5	2	0.356	0.02	0.091	8.01	1.15		5	1	100	217	2.5	
5507	8/16/2004	3.38	0.2	0.25	28.4	0.5	2	0.5	0.02	0.1	6.53	0.549		5	1	100	250	2.5	
5517	8/23/2004	3.91	0.2	0.128	31.9	0.5	2	0.441	0.02	0.105	7.38	0.786		5	0.724	100	165	2.5	
5527	8/30/2004	3.78	0.2	0.25	32.5	0.5	2	0.5	0.02	0.1	7.25	0.475		5	1	100	180	2.5	
5537	9/7/2004	3.74	0.2	0.25	33.3	0.5	2	0.5	0.02	0.1	7.56	0.531		5	1	100	250	2.5	
5547	9/13/2004	4.3	0.2	0.25	34.7	0.73	2	0.482	0.02	0.1	7.8	0.613		5	1	100	155	2.5	
5557	9/20/2004	4.2	0.2	0.25	34.2	0.5	2	0.5	0.02	0.1	7.86	0.54		5	0.938	100	158	2.5	
5567	9/27/2004	3.77	0.2	0.25	37.7	0.5	2	0.339	0.02	0.1	8.65	0.503		5	1	100	170	2.5	
5577	10/4/2004	4.04	0.2	0.25	36.4	0.5	2	0.5	0.02	0.1	8.38	0.489		5	1	100	160	2.5	
5587	10/11/2004	3.76	0.2	0.25	36.6	0.577	2	0.5	0.02	0.1	8.41	0.539		5	1.04	100	162	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
GLAC												
5334	3/15/2004	0.5	1760	0.116	0.5	2.5	35.2	10	1	4.16	2.83	19%
5341	3/22/2004	0.5	1880	0.117	0.5	2.5	40.3	10	1	4.04	2.95	16%
5347	3/30/2004	0.5	1910	0.119	0.5	2.5	34.4	10	1	4.02	2.95	15%
5350	4/5/2004	0.5	1890	0.123	0.5	2.5	38.2	10	1	4.07	3.12	13%
5361	4/14/2004	0.5	2030	0.111	0.5	0.5	36.7	10	1.56	3.72	2.86	13%
5368	4/19/2004	0.5	2000	0.106	0.5	0.5	21.2	10	2.5	3.40	2.62	13%
5373	4/26/2004	0.5	2000	0.104	0.5	0.5	42.9	10	2.5	3.51	2.82	11%
5380	5/3/2004	0.5	2310	0.0746	0.5	0.5	18.2	10	1.58	2.11	1.72	10%
5387	5/11/2004	0.5	1910	0.0654	0.5	6.34	20.3	10	3.94	1.99	1.53	13%
5395	5/17/2004	0.5	1360	0.0329	0.5	0.5	15	10	1.64	1.03	0.75	16%
5404	5/24/2004	0.5	1170	0.0376	0.5	0.5	11.9	10	2.5	1.22	0.98	11%
5411	6/1/2004	0.5	1480	0.0628	0.5	0.5	22	10	1.87	2.10	1.53	16%
5420	6/7/2004	0.5	1510	0.0777	0.5	0.5	25	10	2.5	2.46	1.93	12%
5429	6/14/2004	0.5	1770	0.0923	0.5	0.5	31.7	10	2.5	2.70	2.18	11%
5438	6/21/2004	0.5	1410	0.0944	0.5	0.5	35.5	10	2.5	3.17	2.25	17%
5447	6/30/2004	0.5	1770	0.105	0.5	0.5	34.8	10	2.5	3.06	2.41	12%
5457	7/6/2004	0.5	1810	0.108	0.5	0.6	36.7	10	2.5	3.17	2.53	11%
5467	7/13/2004	0.5	1860	0.11	0.5	0.5	38.9	10	2.5	3.35	2.47	15%
5477	7/19/2004	0.5	2050	0.114	0.5	0.5	25.7	10	2.5	3.41	2.60	14%
5487	7/26/2004	0.5	1800	0.12	0.5	0.5	36.6	10	1.64	3.36	2.72	11%
5497	8/2/2004	0.5	2110	0.112	0.5	0.5	46.3	10	2.5	3.49	2.54	16%
5507	8/9/2004	0.5	1800	0.11	0.5	0.5	28.1	10	2.5	3.24	2.55	12%
5507	8/16/2004	0.5	1610	0.087	0.5	0.5	23.7	10	2.5	2.70	2.03	14%
5517	8/23/2004	0.5	1520	0.0977	0.5	0.5	26.9	10	2.5	3.01	2.27	14%
5527	8/30/2004	0.5	1990	0.102	0.5	0.5	28.1	10	2.5	2.15	2.31	-4%
5537	9/7/2004	0.5	1770	0.101	0.5	0.5	32	10	2.5	3.38	2.37	18%
5547	9/13/2004	0.5	1770	0.103	0.5	0.5	48.1	10	2.5	3.51	2.46	18%
5557	9/20/2004	0.5	1780	0.1	0.5	0.5	43.7	10	2.5	3.47	2.44	18%
5567	9/27/2004	0.5	1850	0.108	0.5	0.5	23.6	10	2.5	3.43	2.68	12%
5577	10/4/2004	0.5	1780	0.103	0.5	0.5	31.7	10	2.5	3.46	2.59	14%
5587	10/11/2004	0.5	1760	0.106	0.5	0.5	21.8	10	2.5	3.50	2.60	15%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
GLAC																
5597	10/21/2004	#N/A	Accepted					136	0.25	106	23.5	3.17	0.05		0.05	0.5
5607	10/25/2004	#N/A	Accepted					133	0.25	106	9.07	1.35	0.05		0.05	0.89
5617	11/1/2004	#N/A	Accepted					148	0.9	111	26	3.25	0.05		0.05	0.5
5627	11/9/2004	#N/A	Accepted					148	0.25	113	16.5	2.2	0.05		0.05	0.5
5637	11/15/2004	#N/A	Accepted					164	0.2	110	26.1	2.87	0.05		0.045	0.5
5647	11/22/2004	#N/A	Accepted					136	0.25	108	24.9	2.64	0.05		0.05	0.5
5657	12/7/2004	#N/A	Accepted					153	0.25	116	25.6	2.82	0.05		0.05	0.5
5667	12/27/2004	#N/A	Accepted					191	1.3	120	25.9	2.84	0.05		0.05	0.5
5681	1/4/2005	#N/A	Accepted					149	0.25	118	25.3	2.76	0.05		0.05	0.5
5689	2/22/2005	#N/A	Accepted					160	0.25	115	28.8	2.66	0.05		0.05	0.05
8002	2/23/2005	#N/A	Accepted					158	0.25	114	28.7	2.63	0.05		0.05	0.05
5694	3/22/2005	#N/A	Accepted					178	0.25	244	29.6	2.58	0.05	0.05	0.189	0.04
8013	3/23/2005	#N/A	Accepted					169	0.25	118	29.4	2.55	0.05		0.05	0.05
5704	4/5/2005	#N/A	Accepted					163	0.25	122	29	2.56	0.05		0.05	0.05
8022	4/6/2005	#N/A	Accepted					169	0.25	119	28.9	2.52	0.05		0.05	0.05
5711	5/16/2005	#N/A	Accepted			7.90	185	48.8	0.5	74	12.3	2.49	0.05		0.05	0.05
8031	5/19/2005	#N/A	Accepted			7.80	270	110	0.25	81.5	13.7	2.53	0.05		0.05	0.5
5722	6/6/2005	#N/A	Accepted			7.9	180	109	0.2	80	6.81	0.981	0.05		0.0333	0.05
8043	6/13/2005	#N/A	Accepted			8.00	200	118	0.25	85	14.3	2.22	0.05		0.05	0.05
5733	7/7/2005	#N/A	Accepted			7.90	215	130	0.3	102	16.1	2.32	0.05		0.05	0.05
8055	7/11/2005	#N/A	Accepted					131	0.2	101	16.4	2.25	0.032		0.05	0.05
5742	8/1/2005	#N/A	Accepted					149	0.5	112	19.1	2.43	0.05		0.0474	0.05
8065	8/8/2005	#N/A	Accepted					145	0.4	111	18.8	2.51	0.05		0.05	0.05
8077	9/27/2005	#N/A	Accepted					100	1.8	77	14.7	3.01	0.034		0.05	0.072
8082	10/19/2005	#N/A	Accepted					97.5	0.6	96	18.9	2.86	0.051		0.108	0.049
5779	10/31/2005	#N/A	Accepted					145	0.5	106	23	2.77	0.049		0.0316	0.045
8094	11/14/2005	#N/A	Accepted					153	0.25	109	24.2	2.74	0.036		0.05	0.0795
5791	11/17/2005	#N/A	Accepted					155	0.3	111	24.5	2.77	0.035		0.05	0.05
5805	12/7/2005	#N/A	Accepted					146	0.7	114	27	2.88	0.033		0.05	0.05
8107	12/12/2005	#N/A	Accepted					124	0.5	114	25.6	2.74	0.05		0.034	0.05
8131	2/15/2006	#N/A	Accepted					153	0.3	119	29	3.19	0.032		0.037	9.73

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
GLAC																		
5597	10/21/2004	0.0025	0.0025	135.57	10	0.342	2.27	3.32	0.2	0.25	39.2	0.822	2	0.5	0.02	0.1	9.14	0.5
5607	10/25/2004	0.0025	0.0025	135.98	10	0.375	4.74	3.62	0.2	0.25	39.3	0.43	2	0.344	0.0667	0.1	9.18	0.5
5617	11/1/2004	0.0025	0.0028	142.16	6.82	0.478	5.75	4.35	0.2	0.25	40.9	0.648	2	0.5	0.02	0.1	9.71	1.2
5627	11/9/2004	0.0027	0.0025	141.70	10	0.51	7.22	3.83	0.2	0.25	40.6	0.937	2	0.5	0.02	0.1	9.78	0.5
5637	11/15/2004	0.0042	0.0039	134.35	10	0.715	5.48	3.88	0.2	0.25	38.5	1.33	2	0.5	0.02	0.1	9.27	0.747
5647	11/22/2004	0.0025	0.0027	141.87	10	0.39	3.14	4.07	0.2	0.25	40.9	0.5	2	0.5	0.02	0.1	9.64	0.606
5657	12/7/2004	0.0025	0.0025	135.85	10	0.343	4.71	3.68	0.2	0.25	39	0.5	2	0.315	0.02	0.1	9.33	0.412
5667	12/27/2004	0.0025	0.0025	140.66	10	0.5	5.98	4.16	0.2	0.25	40.4	0.5	2	0.5	0.02	0.1	9.65	0.5
5681	1/4/2005	0.0025	0.0025	160.80	10	0.5	2.5	3.59	0.2	0.25	46.4	0.5	2	0.5	0.02	0.1	10.9	0.5
5689	2/22/2005	0.0025	0.0025	150.01	10	0.5	5.64	4.41	0.2	0.25	43.4	1.4	2	0.5	0.02	0.1	10.1	0.5
8002	2/23/2005	0.0025	0.0025	146.65	10	0.5	2.5	3.81	0.2	0.25	42.4	0.5	2	0.5	0.02	0.1	9.89	0.5
5694	3/22/2005	0.0025	0.0025	145.77	10	0.375	7.76	4.07	0.2	0.25	41.9	0.5	2	0.345	0.02	0.1	9.98	0.804
8013	3/23/2005	0.0025	0.0025	141.35	10	0.5	6.69	3.73	0.2	0.25	40.1	0.5	2	0.5	0.02	0.1	10	0.5
5704	4/5/2005	0.0025	0.0025	148.58	10	0.5	6.76	4.14	0.2	0.25	42.5	0.5	2	0.5	0.02	0.1	10.3	0.5
8022	4/6/2005	0.0025	0.0025	150.58	10	0.5	5.19	4.16	0.2	0.25	43.3	0.5	2	0.5	0.02	0.1	10.3	0.5
5711	5/16/2005	0.0025	0.0025	90.62	10	0.5	5.83	1.5	0.2	0.25	26.5	0.5	2	0.5	0.02	0.1	5.93	1.47
8031	5/19/2005	0.0025	0.0025	97.18	10	0.5	2.5	3	0.2	0.25	28.3	0.5	2	0.5	0.02	0.1	6.43	0.5
5722	6/6/2005	0.0025	0.0025	90.26	10	0.435	4.42	3.12	0.2	0.184	26.8	0.5	2	0.5	0.02	0.1	5.66	0.42
8043	6/13/2005	0.0025	0.0025	105.79	10	0.382	3.54	3.16	0.2	0.246	31.3	0.5	2	0.5	0.02	0.1	6.7	0.543
5733	7/7/2005	0.0025	0.0025	120.84	10	0.467	6.91	3.94	0.2	0.25	35.3	1.24	2	0.335	0.02	0.102	7.93	1.92
8055	7/11/2005	0.0025	0.0025	117.39	10	0.446	3.96	3.64	0.2	0.25	34.1	0.45	2	0.5	0.0152	0.1	7.82	1.62
5742	8/1/2005	0.0025	0.0025	136.06	10	0.473	5.62	4.25	0.2	0.25	40.5	0.5	2	0.5	0.02	0.1	8.47	1.84
8065	8/8/2005	0.0025	0.0025	139.28	10	0.442	5.4	4.68	0.2	0.25	40.8	0.5	2	0.5	0.0189	0.1	9.07	2.07
8077	9/27/2005	0.0025	0.003	95.53	9.43	0.489	4.53	3.42	0.2	0.25	28.1	0.5	2	0.5	0.0154	0.1	6.15	2.02
8082	10/19/2005	0.0025		112.87	8.21	0.437	4.17	3.13	0.2	0.25	32.8	0.5	2	0.5	0.0175	0.1	7.51	0.9
5779	10/31/2005	0.0025	0.0025	132.96	10	0.5	3.26	3	0.2	0.25	38.7	0.5	2	0.5	0.02	0.1	8.81	1.1
8094	11/14/2005	0.0025	0.0025	135.48	10	0.428	4	3.9	0.2	0.25	39	0.5	2	0.5	0.018	0.1	9.24	1.32
5791	11/17/2005	0.0025	0.0025	141.01	10	0.415	6.16	3.88	0.2	0.25	41.1	0.5	2	0.344	0.02	0.1	9.31	1.64
5805	12/7/2005	0.0025	0.0025	146.16	10	0.453	6.02	4.01	0.2	0.161	42.5	0.5	2	0.5	0.0139	0.1	9.71	4.13
8107	12/12/2005	0.0025	0.0025	135.49	10	0.337	6.75	4.2	0.2	0.25	39.3	0.5	2	0.5	0.02	0.1	9.06	2.48
8131	2/15/2006	0.0025	0.0025	152.24	10	0.5	6.37	4.72	0.2	0.25	43.8	0.5	2	0.5	0.0146	0.1	10.4	1.7

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
GLAC																			
5597	10/21/2004	1	5	0.769	100	151	2.5		0.5	1550	0.111	0.5	0.5	29.5	10	2.5	10	0.474	2.96
5607	10/25/2004	0.5	5	0.765	100	155	2.5		0.5	1730	0.111	0.5	0.5	32.4	10	2.5	10	0.502	2.27
5617	11/1/2004	4	5	0.907	100	250	2.5		0.5	1850	0.116	0.5	0.5	46	10	2.5	10	0.487	5.43
5627	11/9/2004	0.5	5	0.959	100	152	2.5		0.5	1920	0.119	0.5	0.5	28.4	10	2.5	10	0.478	6.47
5637	11/15/2004	0.5	5	1.16	100	174	2.5		0.5	1900	0.111	0.5	0.84	51	10	2.5	10	0.467	3.55
5647	11/22/2004	0.5	5	1.15	100	158	2.5		0.5	1890	0.115	0.5	0.5	55.6	10	2.48	10	0.393	4.8
5657	12/7/2004	0.5	5	0.973	100	159	2.5		0.5	2030	0.11	0.5	0.5	13.7	10	2.5	10	0.355	3.83
5667	12/27/2004	0.5	5	1	100	250	2.5		0.5	1940	0.117	0.5	0.5	47.1	10	2.5	10	0.5	5.19
5681	1/4/2005	0.5	5	1	100	250	2.5		0.5	1780	0.129	0.5	0.5	42.2	10	2.5	10	0.5	2.5
5689	2/22/2005	0.5	5	1	100	250	2.5		0.5	1860	0.127	0.5	0.5	43.6	10	2.5	10	0.5	6.02
8002	2/23/2005	0.5	5	1	100	250	2.5		0.5	1740	0.123	0.5	0.5	29.8	10	2.5	10	0.5	5.07
5694	3/22/2005	1	5	0.733	100	166	2.5		0.5	1870	0.121	0.5	0.5	23.3	10	2.5	10	0.397	6.4
8013	3/23/2005	0.5	5	1	100	250	2.5		0.5	1660	0.12	0.5	0.5	25	10	2.5	10	0.5	6.46
5704	4/5/2005	0.5	5	2.53	100	250	2.5		0.5	2010	0.122	0.5	0.5	15.6	10	2.5	10	0.5	5.85
8022	4/6/2005	0.5	5	1	100	250	2.5		0.5	1880	0.122	0.5	0.5	30.7	10	2.5	10	0.5	6.58
5711	5/16/2005	1.1	5	1	100	250	2.5		0.5	1750	0.0744	0.5	0.5	28.1	10	2.5	10	0.5	2.5
8031	5/19/2005	0.83	5	1	100	250	2.5		0.5	1710	0.0799	0.5	0.5	32	10	2.5	10	0.5	2.5
5722	6/6/2005	1.8	5	0.999	100	190	2.5		0.5	1610	0.0786	0.5	0.5	28.9	10	2.5	10	0.403	3.53
8043	6/13/2005	1.3	5	0.779	100	193	2.5		0.5	1630	0.0919	0.5	0.5	28.2	10	2.5	10	0.365	3.37
5733	7/7/2005	1	5	0.912	100	194	2.5		0.5	1870	0.106	0.5	0.5	35.6	10	2.41	10	0.475	6.37
8055	7/11/2005	1.9	5	0.746	100	161	2.5		0.5	1680	0.102	0.5	0.5	40.9	10	2.5	10	0.406	4.77
5742	8/1/2005	4.7	5	1.07	100	192	2.5		0.5	1850	0.117	0.5	0.5	38	10	2.5	10	0.939	5.96
8065	8/8/2005	1.1	5	1.09	100	184	2.5		0.5	1940	0.121	0.5	0.5	51	10	2.5	10	0.43	5.25
8077	9/27/2005	0.7	5	0.924	100	201	2.5		0.5	1740	0.0801	0.5	0.5	23.6	10	2.5	10	0.486	4.51
8082	10/19/2005	0.9	5	0.77	100	250	2.5		0.5	1610	0.0975	0.5	0.5	29.5	10	2.5	10	0.577	3.66
5779	10/31/2005	0.7	5	1.02	100	250	2.5		0.5	1770	0.108	0.5	0.5	21.8	10	2.5	10	0.372	6.34
8094	11/14/2005	0.6	5	0.894	100	153	2.5		0.5	1840	0.111	0.5	0.5	11.5	10	2.5	10	0.486	5.29
5791	11/17/2005	0.9	5	1.27	100	250	2.5		0.5	1930	0.117	0.5	0.5	31.9	10	2.5	10	0.5	5.36
5805	12/7/2005	1.5	5	1.05	100	167	2.5		0.5	1830	0.122	0.5	0.5	34.3	10	2.5	10	0.449	5.73
8107	12/12/2005	0.5	5	0.677	100	250	2.5		0.5	1990	0.113	0.5	0.5	20.3	10	2.5	10	0.315	5.84
8131	2/15/2006	0.7	5	0.772	100	212	2.5		0.5	2470	0.131	0.5	0.5	40.8	10	6.72	10	0.5	5.8

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
GLAC																			
5597	10/21/2004	3.6	0.2	0.25	35.9	0.5	2	0.5	0.02	0.1	8.46	0.393		5	0.86	100	164	2.5	
5607	10/25/2004	3.64	0.2	0.25	36.8	0.5	2	0.5	0.02	0.1	8.57	0.5		4.22	0.967	100	173	2.5	
5617	11/1/2004	4.07	0.2	0.25	40.5	1.12	2	0.5	0.02	0.1	9.49	0.356		5	0.915	100	169	2.5	
5627	11/9/2004	4.05	0.2	0.25	39.7	3.07	2	0.5	0.02	0.1	9.25	0.5		5	0.972	100	250	2.5	
5637	11/15/2004	4.01	0.2	0.25	37.5	0.5	2	0.5	0.02	0.1	8.97	0.584		5	0.859	100	171	2.5	
5647	11/22/2004	4.07	0.2	0.25	35.4	0.5	2	0.5	0.02	0.1	8.53	0.411		5	1.17	100	159	2.5	
5657	12/7/2004	3.9	0.2	0.25	36.4	0.5	2	0.375	0.02	0.1	8.71	0.461		5	0.883	100	179	2.5	
5667	12/27/2004	4.05	0.2	0.25	40.5	0.5	2	0.5	0.02	0.1	9.33	0.5		5	1	100	250	2.5	
5681	1/4/2005	3.24	0.2	0.25	39.2	0.5	2	0.5	0.02	0.1	9.21	0.5		5	1	100	250	2.5	
5689	2/22/2005	4.12	0.2	0.25	41.5	0.5	2	0.5	0.02	0.1	9.82	0.5		5	1	100	250	2.5	
8002	2/23/2005	4.44	0.2	0.25	41	1.1	2	0.5	0.02	0.1	9.7	0.5		5	1	100	250	2.5	
5694	3/22/2005	4.01	0.2	0.25	41.9	0.5	2	0.362	0.02	0.1	9.76	0.5		5	0.86	100	178	2.5	
8013	3/23/2005	4.13	0.2	0.25	40.3	0.5	2	0.5	0.02	0.1	9.66	0.5		5	1	100	250	2.5	
5704	4/5/2005	4.16	0.2	0.25	40	0.5	2	0.5	0.02	0.1	10.2	0.5		5	1	100	250	2.5	
8022	4/6/2005	4.1	0.2	0.25	41	0.5	2	0.5	0.02	0.1	10.1	0.5		5	1	100	250	2.5	
5711	5/16/2005	1.5	0.2	0.25	24.9	0.5	2	0.5	0.02	0.1	5.58	0.5		5	1	100	250	2.5	
8031	5/19/2005	1.5	0.2	0.25	27.3	0.5	2	0.5	0.02	0.1	6.19	0.5		5	1	100	250	2.5	
5722	6/6/2005	2.78	0.2	0.068	26.5	0.5	2	0.5	0.02	0.1	5.53	0.39		5	1.15	100	203	2.5	
8043	6/13/2005	3.03	0.2	0.157	30.9	0.84	2	0.5	0.02	0.1	6.59	0.443		5	0.765	100	215	2.5	
5733	7/7/2005	3.75	0.2	0.25	35	0.84	2	0.5	0.02	0.13	7.71	1.93		5	0.897	100	190	2.5	
8055	7/11/2005	3.77	0.2	0.25	32.1	0.5	2	14.4	0.02	0.1	7.53	1.64		5	1	100	196	2.5	
5742	8/1/2005	4.43	0.2	0.25	41.7	0.5	2	0.5	0.02	0.1	8.42	1.81		5	0.884	100	186	2.5	
8065	8/8/2005	4.43	0.2	0.25	39.5	0.5	2	0.5	0.02	0.1	8.51	1.5		5	3.2	100	250	2.5	
8077	9/27/2005	3.56	0.2	0.25	27.9	0.5	2	0.5	0.02	0.1	6.04	0.505		5	0.634	100	200	2.5	
8082	10/19/2005	3.35	0.2	0.501	33.7	0.5	2	0.5	0.02	0.127	7.55	0.715		5	0.921	100	179	2.5	
5779	10/31/2005	3.4	0.2	0.303	36.8	0.5	2	0.5	0.02	0.36	8.75	0.886		5	1.16	100	183	2.5	
8094	11/14/2005	3.88	0.2	0.25	40.4	0.5	2	0.5	0.02	0.1	9.13	1.08		5	1.06	100	250	2.5	
5791	11/17/2005	4.01	0.2	0.257	39.6	0.5	2	0.5	0.02	0.284	9.01	1.29		5	1.11	100	173	2.5	
5805	12/7/2005	4.45	0.2	0.25	41.7	0.5	2	0.5	0.02	0.1	9.52	3.1		5	0.951	100	174	2.5	
8107	12/12/2005	4.31	0.2	0.25	44.2	0.5	2	0.5	0.02	0.1	9.55	2.43		5	0.669	100	250	2.5	
8131	2/15/2006	4.64	0.2	0.25	41	0.5	2	0.5	0.02	0.1	9.4	1.65		5	0.823	100	236	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
GLAC												
5597	10/21/2004	0.5	1720	0.103	0.5	0.5	34.1	10	2.5	3.46	2.57	15%
5607	10/25/2004	0.5	1790	0.102	0.5	0.5	34	10	2.5	2.69	2.63	1%
5617	11/1/2004	0.5	1900	0.115	0.5	0.5	39.2	10	2.5	3.69	2.89	12%
5627	11/9/2004	0.5	1840	0.115	0.5	0.5	29.8	10	2.5	3.21	2.83	6%
5637	11/15/2004	0.5	1810	0.109	0.5	0.5	53.2	10	1.78	3.67	2.69	15%
5647	11/22/2004	0.5	1850	0.102	0.5	0.5	43.5	10	2.5	3.56	2.55	16%
5657	12/7/2004	0.5	2070	0.103	0.5	0.5	15.4	10	2.5	3.76	2.63	18%
5667	12/27/2004	0.5	1690	0.116	0.5	0.5	17.5	10	2.5	3.86	2.87	15%
5681	1/4/2005	0.5	1690	0.113	0.5	0.5	40.8	10	2.5	3.78	2.80	15%
5689	2/22/2005	0.5	1910	0.119	0.5	0.5	38.9	10	2.5	3.87	2.97	13%
8002	2/23/2005	0.5	1830	0.12	0.5	0.5	28.6	10	2.5	3.85	2.93	14%
5694	3/22/2005	0.5	1780	0.119	0.5	0.5	25.4	10	2.5	6.49	2.98	37%
8013	3/23/2005	0.5	1810	0.117	0.5	0.5	28.5	10	2.5	3.96	2.89	16%
5704	4/5/2005	0.5	1980	0.123	0.5	0.5	25.5	10	2.5	4.02	2.93	16%
8022	4/6/2005	0.5	1970	0.121	0.5	0.5	14.7	10	2.5	3.96	2.97	14%
5711	5/16/2005	0.5	1650	0.0717	0.5	0.5	24.1	10	2.5	2.41	1.78	15%
8031	5/19/2005	0.5	1700	0.0777	0.5	0.5	33.8	10	2.5	2.66	1.95	15%
5722	6/6/2005	0.5	1620	0.0779	0.5	0.5	29.2	10	2.5	2.21	1.85	9%
8043	6/13/2005	0.5	1550	0.0902	0.5	0.5	33.3	10	2.5	2.73	2.16	12%
5733	7/7/2005	0.5	1830	0.105	0.5	0.5	37	10	4.17	3.16	2.47	12%
8055	7/11/2005	0.5	1870	0.0977	0.5	0.5	25	10	2.5	2.93	2.31	12%
5742	8/1/2005	0.5	1780	0.118	0.5	0.5	36.5	10	2.5	3.30	2.86	7%
8065	8/8/2005	0.5	1930	0.115	0.5	0.5	47.7	10	2.5	3.27	2.76	8%
8077	9/27/2005	0.5	1790	0.0803	0.5	0.5	33.1	10	1.53	2.38	1.97	9%
8082	10/19/2005	0.5	1830	0.0952	0.5	0.83	22.5	10	2.5	2.98	2.39	11%
5779	10/31/2005	0.5	1830	0.105	0.5	0.5	39.9	10	2.5	3.39	2.64	12%
8094	11/14/2005	0.5	1790	0.112	0.5	1.58	23.3	10	2.5	3.52	2.85	10%
5791	11/17/2005	0.5	1930	0.111	0.5	0.5	32.8	10	2.5	3.57	2.81	12%
5805	12/7/2005	0.5	1990	0.121	0.5	0.5	35.4	10	2.5	3.76	2.96	12%
8107	12/12/2005	0.5	2030	0.124	0.5	0.5	25.4	10	2.5	3.69	3.09	9%
8131	2/15/2006	0.5	2610	0.117	0.5	0.5	40.4	10	7.83	4.67	2.94	23%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
GLAC																
8143	3/23/2006	#N/A	Accepted					151	0.25	124	29.2	2.86	0.05		0.05	0.05
8155	4/5/2006	#N/A	Accepted					159	0.25	124	28.8	2.81	0.05		0.036	0.038
5847	8/30/2006	#N/A	Accepted					150	0.4	112	20.9	2.43	0.049		0.05	0.11
8167	8/31/2006	#N/A	Accepted					160	0.2	116	21.1	2.45	0.036		0.05	0.05
5861	10/19/2006	#N/A	Accepted					129	0.2	104	22	2.9	0.049		0.0425	0.0495
5869	10/30/2006	#N/A	Accepted					130	0.4	96	18.4	2.84	0.05		0.036	0.05
5889	11/6/2006	#N/A	Accepted					119	0.25	104	21.2	2.67	0.05		0.054	0.05
5897	11/13/2006	#N/A	Accepted					101	0.25	108	22.7	2.74	0.05		0.0424	0.05
5900	11/20/2006	#N/A	Accepted					138	0.25	106	23.3	2.71	0.05		0.0584	0.058
5908	11/28/2006	#N/A	Accepted					141	0.25	110	23.8	2.65	0.05		0.0332	0.0655
5916	12/4/2006	#N/A	Accepted					145	0.25	108	23	2.75	0.05		0.05	0.0515
5924	12/11/2006	#N/A	Accepted					138	0.25	110	23	2.77	0.05		0.05	0.05
5932	12/18/2006	#N/A	Accepted					140	0.2	108	23.9	2.81	0.05		0.05	0.05
5940	12/26/2006	#N/A	Accepted					142	0.25	111	23.7	2.81	0.05		0.05	0.0555
5948	1/15/2007	1070250	Accepted	10.14				166	0.2	112	26.7	2.85	0.05		0.05	0.044
5961	3/5/2007	1070892	Accepted					160	0.25	124	30.5	3.05	0.05		0.05	0.0555
5969	6/4/2007	1072562	Accepted	8.25				128	1.1	82	14.6	2.48	0.063		0.05	0.0865
5977	11/8/2007	1076030	Accepted	8.26		7.93	260	154	0.5	113	24.8	2.68	0.05		0.05	0.05
	Minimum			8.3	0.0	7.7	180.0	18.8	0.2	34.0	5.1	1.0	0.0	0.1	0.0	0.04
	Maximum			10.1	0.0	8.0	270.0	191.0	14.7	130.0	33.3	4.8	0.1	0.1	0.2	1.51
	Average			8.9	#DIV/0!	7.9	224.3	140.7	0.6	107.4	22.3	2.6	0.0	0.1	0.1	0.36
	Median			8.3	#NUM!	7.9	215.0	145.0	0.3	110.0	23.1	2.5	0.1	0.1	0.1	0.50
	Count			3	0	7	7	110	110	109	108	110	110	27	110	107

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
GLAC																		
8143	3/23/2006	0.0025	0.0025	148.33	10	0.356	4.88	4.28	0.2	0.25	42.4	0.5	2	0.5	0.02	0.1	10.3	1.42
8155	4/5/2006	0.0025	0.0025	151.42	10	0.484	6.14	5.06	0.2	0.25	43.8	0.5	2	0.5	0.02	0.121	10.2	1.44
5847	8/30/2006	0.0025	0.0025	134.04	6.55	0.366	4.39	4.7	0.2	0.25	39	0.5	2	0.5	0.01	0.1	8.89	1.58
8167	8/31/2006	0.0025	0.0025	138.74	10	0.5	5.02	4.45	0.2	0.25	40.7	0.47	2	0.5	0.01	0.1	9	1.3
5861	10/19/2006	0.0025	0.0025	122.04	10	0.615	7.87	3.11	0.2	0.25	35.6	0.5	2	0.5	0.0068	0.1	8.04	0.633
5869	10/30/2006	0.0025	0.0025	115.99	66.2	0.501	4.71	3.35	0.2	0.231	33.9	0.5	2	0.5	0.0113	0.1	7.6	0.746
5889	11/6/2006	0.0025	0.0025	123.33	10	0.5	2.5	3.27	0.2	0.25	36	0.5	2	0.5	0.01	0.1	8.11	0.5
5897	11/13/2006	0.0025	0.0025	123.79	8.6	0.523	3.57	3.92	0.2	0.25	36.2	0.5	2	0.36	0.0062	0.1	8.1	0.948
5900	11/20/2006	0.0025	0.0025	128.23	10	0.5	2.5	4.13	0.2	0.25	37.5	0.402	2	0.5	0.0102	0.093	8.39	1.19
5908	11/28/2006	0.0025	0.0025	128.06	10	0.574	5.44	4.3	0.2	0.25	37.3	0.5	2	0.5	0.01	0.148	8.47	1.07
5916	12/4/2006	0.0025	0.0025	169.30	10	0.679	6.38	4.93	0.2	0.25	49.8	0.502	2	0.5	0.0089	0.1	10.9	1.07
5924	12/11/2006	0.0025	0.002	125.81	10	0.5	3.7	3.95	0.2	0.25	36.4	0.5	2	0.5	0.01	0.083	8.47	0.851
5932	12/18/2006	0.0025	0.0025	129.06	10	0.5	3.82	4.19	0.2	0.25	37.6	0.5	2	0.5	0.01	0.1	8.53	1.15
5940	12/26/2006	0.0025	0.0025	124.19	10	0.503	5.16	4.79	0.2	0.25	35.7	2.19	2	0.5	0.01	0.064	8.5	1.2
5948	1/15/2007	0.0025	0.0025	137.32	10	0.771	7.4	3.99	0.2	0.25	40	0.5	2	0.312	0.01	0.1	9.08	0.906
5961	3/5/2007	0.0025	0.0025	151.10	10	0.402	7.11	5.53	0.2	0.318	44	0.5	2	0.5	0.0062	0.1	10	1.86
5969	6/4/2007	0.0025	0.0025	96.02	10	0.5	6.08	3.06	0.2	0.25	28.1	0.5	2	0.5	0.0063	0.1	6.27	0.754
5977	11/8/2007	0.0025	0.0025	135.81	8.97	0.373	4.46	4.16	0.2	0.25	39.1	1	2	0.5	0.0157	0.1	9.26	2.16
Minimum		0.0	0.0	37.0	6.6	0.3	2.3	1.5	0.1	0.1	10.9	0.4	2.0	0.3	0.01	0.1	2.4	0.3
Maximum		0.0	0.0	169.3	71.7	1.2	17.6	10.5	0.2	0.3	49.8	5.6	2.0	1.8	0.11	0.2	10.9	11.4
Average		0.0	0.0	130.9	10.9	0.5	5.9	4.0	0.2	0.2	37.9	0.8	2.0	0.5	0.02	0.1	8.8	1.1
Median		0.0	0.0	135.5	10.0	0.5	5.3	4.0	0.2	0.3	39.2	0.5	2.0	0.5	0.02	0.1	9.2	0.7
Count		110	107	110	109	110	110	110	110	110	110	109	110	110	109	110	110	110

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
GLAC																			
8143	3/23/2006	0.3	5	1.13	100	211	2.5		0.5	2100	0.126	0.5	0.5	27.9	10	2.5	10	0.359	6.58
8155	4/5/2006	0.5	5	1.44	100	250	2.5		0.5	2520	0.126	0.5	0.5	29.9	10	1.94	10	0.453	6.75
5847	8/30/2006		5	0.92	100	199	2.5		0.5	2140	0.111	0.5	0.5	63.6	10	9.63	10	0.455	5.7
8167	8/31/2006		5	1.11	100	156	2.5		0.5	2020	0.117	0.5	0.452	46.4	10	2.5	10	0.437	3.62
5861	10/19/2006		5	1.04	100	251	2.5		0.5	1950	0.104	0.5	0.5	36	10	7.56	10	0.678	4.06
5869	10/30/2006		5	1.01	100	250	2.5		0.5	1960	0.0936	0.5	0.5	41.2	10	3.17	10	0.51	4.98
5889	11/6/2006		5	1.03	100	163	2.5		0.5	1890	0.0993	0.5	0.5	39	10	2.5	10	0.5	5.49
5897	11/13/2006		5	1.26	100	188	2.5		0.5	2260	0.103	0.5	0.5	34	10	5.68	10	0.488	3.64
5900	11/20/2006		3.17	1.22	100	186	2.5		0.5	2170	0.108	0.399	2.98	55.9	10	2.5	10	0.5	5.48
5908	11/28/2006		5	1.63	100	171	2.5		0.5	2020	0.109	0.408	0.814	36.5	10	3.47	10	0.478	4.63
5916	12/4/2006		5	0.821	100	295	2.5		0.5	2360	0.136	0.5	0.351	53.4	10	2.5	10	0.529	4.72
5924	12/11/2006		4.59	1.04	100	250	2.5		0.5	1890	0.108	1.4	5.99	49.3	10	2.5	10	0.5	6.15
5932	12/18/2006		5	1.61	100	185	2.5		0.5	2180	0.11	0.369	1.93	48.9	10	2.5	10	0.331	4.85
5940	12/26/2006		3.92	1.12	100	238	2.5		0.5	2410	0.107	0.784	2.3	59.5	10	2.5	10	0.5	4.27
5948	1/15/2007		5	1.03	100	174	2.5	2180	0.5	1950	0.115	0.5	2.67	50	10	2.5	10.2	0.512	6.9
5961	3/5/2007	0.786	5	1.24	100	283	2.5		0.5	2280	0.134	0.5	0.5	39.6	10	4.16	10	0.421	7.45
5969	6/4/2007	0	5	0.999	100	227	2.5		0.5	1790	0.0837	0.5	0.5	30.7	10	3.41	10	0.5	6.65
5977	11/8/2007	0	5	1.45	100	195	2.5		0.5	2260	0.109	0.5	0.5	40.6	10	4.54	10	0.444	4.84
	Minimum	0.0	0.5	0.6	15.0	150.0	1.0	1910.0	0.5	1200.0	0.0	0.2	0.4	5.9	2.5	1.0	8.9	0.3	2.3
	Maximum	5.6	5.0	2.5	250.0	324.0	3.6	2200.0	0.5	2520.0	0.1	1.4	6.0	63.6	10.0	10.8	18.6	0.9	16.5
	Average	1.0	4.9	1.0	75.2	205.9	2.5	2094.0	0.5	1860.6	0.1	0.5	1.2	35.7	9.9	2.5	10.1	0.5	6.0
	Median	0.5	5.0	1.0	100.0	199.5	2.5	2110.0	0.5	1825.0	0.1	0.5	0.5	36.0	10.0	2.5	10.0	0.5	5.4
	Count	95	110	109	110	110	110	5	110	110	110	110	110	110	110	109	110	110	110

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
GLAC																			
8143	3/23/2006	4.64	0.2	0.25	41.9	0.5	2	0.5	0.02	0.1	10.1	1.41		5	1.26	100	211	2.5	
8155	4/5/2006	5.05	0.2	0.25	42.5	0.5	2	0.5	0.02	0.1	9.9	1.52		5	0.795	100	182	2.5	
5847	8/30/2006	4.41	0.2	0.25	41.3	1.63	2	0.5	0.01	0.1	9.08	1.24		5	1.07	100	223	2.5	
8167	8/31/2006	5.33	0.2	0.25	41.6	0.5	2	0.5	0.01	0.1	9.18	1.2		5	1.63	100	223	2.5	
5861	10/19/2006	3.54	0.2	0.25	35.9	0.5	2	0.315	0.01	0.1	8.23	0.395		5	1.04	100	255	2.5	
5869	10/30/2006	3.23	0.2	0.25	34.3	0.5	2	0.5	0.01	0.1	7.63	0.5		5	1.07	100	250	2.5	
5889	11/6/2006	3.37	0.2	0.25	37.3	0.5	2	0.5	0.01	0.1	8.43	0.5		5	1.1	100	184	2.5	
5897	11/13/2006	3.8	0.2	0.25	36.6	0.5	2	0.5	0.01	0.1	8.12	0.468		5	1.21	100	193	2.5	
5900	11/20/2006	4.17	0.2	0.25	36.6	0.5	2	0.5	0.01	0.1	8.22	0.763		5	1.03	100	207	2.5	
5908	11/28/2006	4.11	0.2	0.25	39.3	0.5	2	0.421	0.01	0.1	8.86	0.983		5	1.95	100	195	2.5	
5916	12/4/2006	3.81	0.2	0.25	37.7	0.447	2	0.5	0.01	0.1	8.63	0.758		5	0.71	100	279	2.5	
5924	12/11/2006	4.64	0.2	0.25	36.5	0.5	2	0.5	0.01	0.201	8.54	0.794		13.9	1.26	100	175	2.5	
5932	12/18/2006	4.17	0.2	0.25	37.3	0.5	2	0.5	0.01	0.1	8.51	0.879		5	1.1	100	176	2.5	
5940	12/26/2006	4.29	0.2	0.25	36.3	0.5	2	0.5	0.01	0.1	8.64	0.907		5	1.09	100	196	2.5	
5948	1/15/2007	4.34	0.2	0.25	40.8	0.5	2	0.5	0.01	0.1	9.29	0.852		5	1.3	100	161	2.5	2080
5961	3/5/2007	4.44	0.2	0.25	42.9	0.5	2	0.5	0.0065	0.1	9.78	1.62		5	0.967	100	206	2.5	
5969	6/4/2007	3.04	0.2	0.25	29.9	0.5	2	0.5	0.01	0.1	6.69	0.534		5	1.07	100	213	2.5	
5977	11/8/2007	4.2	0.2	0.25	38.4	1	2	0.5	0.01	0.1	9.25	1.79		5	1.27	100	214	2.5	
	Minimum	1.5	0.1	0.1	10.0	0.3	2.0	0.3	0.0	0.1	2.2	0.3	0.0	0.5	0.6	9.5	155.0	1.0	2080.0
	Maximum	11.4	0.2	0.5	44.4	5.3	2.0	0.7	0.0	0.5	10.6	3.1	0.0	13.9	3.2	250.0	299.0	4.3	2080.0
	Average	4.0	0.2	0.2	36.8	0.7	2.0	0.5	0.0	0.1	8.5	0.8	#DIV/0!	5.1	1.0	75.3	203.5	2.5	2080.0
	Median	4.1	0.2	0.3	37.9	0.5	2.0	0.5	0.0	0.1	8.7	0.5	#NUM!	5.0	1.0	100.0	196.5	2.5	2080.0
	Count	110	110	110	110	110	110	109	110	110	110	110	0	110	110	110	110	110	1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
GLAC												
8143	3/23/2006	0.5	2150	0.125	0.5	0.5	25.1	10	2.5	4.08	3.02	15%
8155	4/5/2006	0.5	2200	0.125	0.5	0.5	49.1	10	2.5	4.06	3.04	14%
5847	8/30/2006	0.5	2080	0.114	0.351	0.551	61.7	10	3.89	3.40	2.91	8%
8167	8/31/2006	0.5	2020	0.12	0.5	0.4	26.5	10	2.66	3.49	2.93	9%
5861	10/19/2006	0.5	2070	0.108	0.5	0.5	36.9	10	2.5	3.30	2.57	13%
5869	10/30/2006	0.5	1900	0.0933	0.5	0.5	40	10	2.87	2.95	2.43	10%
5889	11/6/2006	0.5	1960	0.104	0.5	0.5	44.7	10	2.5	3.25	2.65	10%
5897	11/13/2006	0.5	2270	0.103	0.5	0.5	37	10	2.5	3.42	2.60	14%
5900	11/20/2006	0.5	2150	0.107	0.5	1.47	55.4	10	2.5	3.41	2.60	13%
5908	11/28/2006	0.5	2450	0.112	0.5	0.4	38.9	10	3.28	3.51	2.80	11%
5916	12/4/2006	0.5	2060	0.106	0.5	0.408	34.7	10	2.5	3.43	2.69	12%
5924	12/11/2006	0.5	2070	0.107	3.7	10.5	48.7	10	2.5	3.47	2.62	14%
5932	12/18/2006	0.5	2170	0.109	0.5	0.617	52.5	10	2.5	3.48	2.66	13%
5940	12/26/2006	0.5	2120	0.109	0.483	0.5	59.3	10	2.5	3.53	2.62	15%
5948	1/15/2007	0.5	2160	0.122	0.5	0.331	50.8	10	2.5	3.71	2.90	12%
5961	3/5/2007	0.5	2560	0.132	0.5	0.5	46.2	10	2.89	4.15	3.06	15%
5969	6/4/2007	0.5	1830	0.0892	0.5	0.5	31.2	10	2.5	2.47	2.13	7%
5977	11/8/2007	0.5	2280	0.108	0.5	0.5	47.3	10	2.5	3.85	2.78	16%
Minimum		0.5	1170.0	0.0	0.4	0.3	9.3	2.5	1.0			
Maximum		0.5	2610.0	0.1	2.7	2.5	61.7	10.0	7.8			
Average		0.5	1855.7	0.1	0.6	1.1	35.7	9.9	2.3			
Median		0.5	1820.0	0.1	0.5	0.5	35.9	10.0	2.5			
Count		110	110	110	109	108	110	110	109			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.
- Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
LIND																
5001	9/10/2002	#N/A	Accepted					134	2	142	21.2	2.57	0.111	0.1	0.1	0.22
1102	7/30/2003	#N/A	Rejected					158	0.2	130	20.6	2.17	0.039	0.05	0.076	0.5
5101	8/13/2003	#N/A	Accepted					193	0.2	128	19.8	2.24	0.041	0.05	0.041	0.5
5109	8/20/2003	#N/A	Accepted					171	0.2	133	22.5	2.28	0.04	0.05	0.05	0.5
5117	8/27/2003	#N/A	Accepted					161	0.4	106	19.2	2.25	0.04	0.05	0.05	0.05
5125	9/3/2003	#N/A	Accepted					171	0.2	126	21.9	2.3	0.042	0.05	0.05	0.05
5133	9/10/2003	#N/A	Accepted					185	0.2	136	22.4	2.37	0.047	0.05	0.0856	0.05
5142	9/17/2003	#N/A	Accepted					164	0.2	137	24.2	2.55	0.051	0.05	0.05	0.05
5150	9/24/2003	#N/A	Accepted					178	0.2	128	23	2.39	0.042	0.05	0.1	0.5
5157	10/1/2003	#N/A	Accepted					139	2.11	130	22.4	2.66	0.045	0.05	0.034	0.5
5165	10/8/2003	#N/A	Accepted					171	0.2	137	22.2	2.47	0.042	0.05	0.032	0.5
5173	10/15/2003	#N/A	Accepted					175	0.2115	132	23	2.52	0.041	0.05	0.044	0.5
5181	10/22/2003	#N/A	Accepted					171	0.4	140	23.9	2.5	0.037	0.05	0.05	0.5
5189	10/29/2003	#N/A	Accepted					105	0.2	137	23.9	2.5	0.042	0.05	0.05	0.5
5196	11/5/2003	#N/A	Accepted					136	0.2	120	21.1	2.5	0.039	0.05	0.05	0.5
5205	11/12/2003	#N/A	Accepted					158	0.2	128	22.7	2.64	0.039	0.05	0.05	0.5
5212	11/19/2003	#N/A	Rejected					286	4.7	230	44.3	5.53	0.058	0.05	0.05	0.87
5220	11/25/2003	#N/A	Accepted					124	2.1	80	22.8	3.16	0.057	0.05	0.05	0.5
5228	12/3/2003	#N/A	Accepted					136	1	132	22.9	2.49	0.046	0.05	0.035	0.5
5236	12/10/2003	#N/A	Accepted					168	0.2	132	23.3	2.55	0.056	0.05	0.05	0.5
5243	12/16/2003	#N/A	Accepted			7.60	290	170	0.267	132	23.3	2.53	0.059	0.05	0.05	0.5
5250	12/23/2003	#N/A	Accepted					180	0.2	140	23.4	2.52	0.062	0.05	0.05	0.5
5258	12/30/2003	#N/A	Accepted					189	0.205	146	23.8	2.57	0.061	0.05	0.05	0.59
5264	1/6/2004	#N/A	Accepted					176	0.8	142	23.8	2.53	0.058	0.05	0.05	0.5
5307	2/17/2004	#N/A	Accepted					189	0.9	150	27.1	2.51	0.08		0.05	0.5
5309	2/23/2004	#N/A	Accepted					190	1.5	144	26.5	2.52	0.044		0.05	0.5
5316	3/1/2004	#N/A	Accepted					198	4.3	143	26.8	2.53	0.045		0.05	0.31
5323	3/8/2004	#N/A	Accepted					191	0.6	150	26.8	2.49	0.047		0.05	0.5
5330	3/15/2004	#N/A	Accepted					213	4.9	148	27.8	2.6	0.042		0.05	0.45
5337	3/22/2004	#N/A	Accepted					194	0.2	158	27.3	2.51	0.038		0.05	0.5
5349	3/30/2004	#N/A	Accepted					208	0.25	150	30.1	2.55	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
LIND																		
5001	9/10/2002	0.0025		158.50	9.58	0.5	33.3	6.41	0.2	0.05	47.8	2	2	0.5	0.0125	0.2	9.49	4.49
1102	7/30/2003	0.0025		151.62	10	0.397	33.7	6.24	0.2	0.05	46.1	0.5	2	0.589	0.02	0.1	8.85	0.5
5101	8/13/2003	0.015	0.0025	149.75	10	0.5	36.4	7.22	0.2	0.05	45.5	0.5	2	0.709	0.02	0.097	8.76	1.34
5109	8/20/2003	0.005	0.0025	158.84	10	0.5	36.9	6.62	0.2	0.05	47.9	1.09	2	0.564	0.02	0.1	9.51	0.5
5117	8/27/2003	0.0025	0.0025	140.08	10	0.5	33.8	6.69	0.2	0.05	41.5	0.5	2	0.621	0.02	0.1	8.84	0.48
5125	9/3/2003	0.0025	0.0025	147.07	10	0.5	34.3	6.94	0.2	0.05	42.8	0.5	2	0.474	0.02	0.1	9.75	0.327
5133	9/10/2003	0.0025	0.0025	166.69	10	0.587	35.4	6.42	0.2	0.05	50.3	0.505	2	0.615	0.02	0.1	9.96	0.405
5142	9/17/2003	0.0025	0.0025	170.15	10	0.31	30.5	5.87	0.2	0.05	51.9	0.993	2	0.395	0.02	0.1	9.83	0.5
5150	9/24/2003	0.0025	0.0025	173.82	10	0.5	33.3	6.48	0.2	0.05	53.4	0.5	2	0.611	0.0172	0.1	9.81	1.02
5157	10/1/2003	0.0025	0.0025	157.58	8.91	0.5	32.8	6.6	0.2	0.05	47.3	1.68	2	0.5	0.0227	0.1	9.57	3.9
5165	10/8/2003	0.0025	0.0025	156.66	10	0.513	34	6.71	0.274	0.188	46.8	0.5	2	0.452	0.02	0.231	9.65	0.5
5173	10/15/2003	0.0025	0.0025	162.92	10	0.593	32.6	6.19	0.2	0.05	48.4	1.25	2	0.5	0.02	0.202	10.2	0.5
5181	10/22/2003	0.0025	0.0025	163.60	10	0.5	33.1	5.48	0.2	0.05	49	0.939	2	1.72	0.02	0.1	10	0.5
5189	10/29/2003	0.0025	0.0025	160.76	10	0.366	32.1	6.11	0.2	0.05	47.7	0.5	2	0.5	0.02	0.1	10.1	0.5
5196	11/5/2003	0.0025	0.0025	145.18	10	0.333	31.6	5.1	0.2	0.05	43.9	2	2	0.5	0.02	0.1	8.62	0.5
5205	11/12/2003	0.0025	0.0025	156.12	10	0.328	33.9	5.75	0.2	0.05	46.5	0.5	2	0.372	0.02	0.1	9.7	0.5
5212	11/19/2003	0.0025	0.0025	269.19	6.35	0.578	48.7	10.2	0.2	0.05	79.4	0.5	2	0.692	0.108	0.291	17.2	44.5
5220	11/25/2003	0.0025	0.0025	99.70	13.1	1.61	13.1	8.19	0.2	0.05	27.5	0.5	2	0.5	0.268	0.1	7.53	15.9
5228	12/3/2003	0.0025	0.0025	154.85	10	0.327	34.4	6.4	0.2	0.05	46.7	0.5	2	0.454	0.02	0.1	9.27	0.549
5236	12/10/2003	0.0025	0.0025	157.96	10	0.5	35.2	6.53	0.2	0.05	47.4	0.5	2	0.419	0.02	0.1	9.6	0.5
5243	12/16/2003	0.0025	0.0025	160.56	10	0.358	31.6	6.59	0.2	0.05	47.8	0.5	2	0.5	0.02	0.1	9.99	0.5
5250	12/23/2003	0.0025	0.0025	162.70	10	4.2	33	6.5	0.2	0.05	49	0.5	2	0.377	0.02	0.1	9.78	0.5
5258	12/30/2003	0.0025	0.0025	160.32	10	0.492	34	6.4	0.2	0.05	48	0.928	2	0.5	0.02	0.1	9.81	0.5
5264	1/6/2004	0.0025	0.0025	160.78	10	0.384	31.1	6.95	0.2	0.05	48.3	0.5	2	0.5	0.02	0.1	9.74	0.5
5307	2/17/2004	0.0025	0.0025	176.21	10	0.331	31.7	6.64	0.2	0.05	52.4	0.625	2	0.5	0.02	0.1	11	0.5
5309	2/23/2004	0.0025	0.0025	179.53	10	0.371	31.9	7.24	0.2	0.05	53.4	0.5	2	0.5	0.02	0.1	11.2	1.99
5316	3/1/2004	0.0025	0.0025	178.69	22.1	0.351	36.9	7.02	0.2	0.05	52.9	0.5	2	0.343	0.0507	0.179	11.3	12.7
5323	3/8/2004	0.007	0.0025	180.77	10	0.378	31.4	6.76	0.2	0.05	53.4	0.5	2	0.7	0.02	0.1	11.5	0.5
5330	3/15/2004	0.0025	0.0025	179.28	28.6	0.4	40.1	8.11	0.2	0.08	53.3	4.42	2	0.758	0.084	0.292	11.2	14.5
5337	3/22/2004	0.0025	0.0025	177.78	10	0.36	34.6	6.63	0.2	0.05	52.7	7.3	2	0.5	0.02	0.1	11.2	0.5
5349	3/30/2004	0.0025	0.0025	153.8	10	0.5	31.5	6.64	0.2	0.05	51.4	0.5	2	0.5	0.02	0.1	11	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
LIND																			
5001	9/10/2002		5	1.24	250	255	1	2670	0.5	2100	0.133	0.15	0.5	34.3	2.5	1	10	0.5	28.4
1102	7/30/2003	0.5	5	1	15	223	2.5	2720	0.5	2100	0.13	0.5	2.5	44.9	10	1.15	10	0.5	33.2
5101	8/13/2003	1.4	5	1	15	265	2.5	2920	0.5	2160	0.13	0.5	2.11	37.3	10	1	10	0.5	36.1
5109	8/20/2003	0.5	5	1.49	15	238	2.5	2530	0.5	2130	0.135	0.5	2.5	30.9	10	1.4	10	0.5	37.6
5117	8/27/2003	0.5	5	1	15	256	2.5		0.5	1990	0.124	0.5	2.5	3.13	10	1.79	10	0.54	35.8
5125	9/3/2003	0.5	5	1	15	250	2.5		0.5	2270	0.139	0.5	2.5	27.5	10	1	10	0.336	37.1
5133	9/10/2003	1.3	6.37	1.16	15	241	2.11		0.5	2150	0.142	0.5	2.5	21.5	10	1	10	0.5	33.6
5142	9/17/2003	0.5	5	1.84	15	225	2.5		0.5	1880	0.138	0.5	2.5	26.5	10	1.16	10	0.335	29.8
5150	9/24/2003	0.5	5	1	15	241	2.5		0.5	2040	0.132	0.5	2.5	23.5	10	1	10	0.359	34.1
5157	10/1/2003	1.2	5	0.982	15	276	2.5		0.5	2090	0.129	0.5	2.5	59.2	10	1	10	0.408	31.8
5165	10/8/2003	0.5	6.69	1.05	15	261	1.75		0.5	2190	0.131	0.868	7.17	61.6	10	1	10	0.417	34.4
5173	10/15/2003	0.5	5	0.755	15	266	2.5		0.5	2180	0.135	0.5	2.5	62.9	10	1	10	0.348	35.3
5181	10/22/2003	0.5	5	1.08	15	295	2.5		0.5	1910	0.133	0.5	2.5	40.5	10	1.34	10	0.316	33.4
5189	10/29/2003	0.5	5	1.32	15	268	2.5		0.5	2250	0.132	0.5	2.5	54.5	10	3.37	10	0.382	32.6
5196	11/5/2003	0.5	5	1.26	15	223	2.5		0.5	1840	0.118	0.5	2.5	39.5	10	1.86	10	0.441	31.9
5205	11/12/2003	0.5	5	1.02	15	254	2.5		0.5	2060	0.129	0.5	2.5	53.8	10	1	10	0.329	31.5
5212	11/19/2003	10.7	5	1.43	15	663	2.5		0.5	3950	0.218	0.5	2.5	79.3	10	4.21	10	0.654	43.7
5220	11/25/2003	1.6	5	0.997	15	250	2.5		0.5	2520	0.0822	0.5	2.5	34.5	10	25.3	10	0.876	7.53
5228	12/3/2003	1.1	5	1.06	22.7	243	2.5		0.5	2230	0.125	0.5	2.5	48.2	10	2.03	10	0.416	30.7
5236	12/10/2003	0.5	5	0.864	15	250	2.5		0.5	2100	0.129	0.5	2.5	58.3	10	6.63	10	0.355	32.5
5243	12/16/2003	0.5	5	0.994	15	263	2.5		0.5	2390	0.131	0.5	2.5	58.6	10	25.3	10	0.5	33
5250	12/23/2003	2.2	5	0.989	15	294	2.5		0.5	2440	0.135	0.5	2.5	62.5	10	1.63	10	0.5	32.1
5258	12/30/2003	1.6	5	1.35	15	270	2.5		0.5	2260	0.131	3.74	2.5	61.6	10	1	10	0.5	33.9
5264	1/6/2004	1.6	5	1	15	266	2.5		0.5	2270	0.13	1.46	2.5	56.5	10	9.16	10	0.336	33.1
5307	2/17/2004	0.5	5	2.9	15	276	2.5		0.5	2210	0.146	0.5	2.5	46.2	10	8.7	10	0.5	34.6
5309	2/23/2004	5.7	5	1.23	15	337	2.5		0.5	2520	0.148	0.5	2.5	52.9	10	1	10	0.359	31.4
5316	3/1/2004	2.8	5	1.41	20.7	344	2.5		0.5	2250	0.144	0.5	2.5	62.2	10	1	10	0.376	31.4
5323	3/8/2004	0.5	5	1.26	15	304	2.5		0.5	2360	0.148	0.353	2.5	66.7	10	3.08	10	0.361	29.5
5330	3/15/2004	0.5	5	2.34	41.3	321	2.5		0.5	2270	0.148	1.28	2.5	46.3	10	12.6	10	0.351	31.4
5337	3/22/2004	2.8	5	2.16	15	313	2.5		0.5	2350	0.148	0.474	2.5	52.5	10	1.51	10	0.413	34.3
5349	3/30/2004		0.5	1	15	250	2.5		0.5	2280	0.145	0.5	2.5	48.2	10	1	10	0.5	26.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
LIND																			
5001	9/10/2002	6.28	0.2	0.05	41.7	2	2	0.5	0.02	0.2	8.97	2.5		5	1.11	250	255	1	
1102	7/30/2003	6.84	0.2	0.05	46.8	0.5	2	2.81	0.02	0.182	9	0.5		5	1.17	15	233	2.5	
5101	8/13/2003	7.07	0.2	0.05	46.6	0.5	2	0.595	0.02	0.087	8.95	0.4		4.4	1	15	249	2.02	
5109	8/20/2003	6.56	0.2	0.05	48	0.995	2	0.433	0.02	0.1	9.55	0.5		5	1.49	15	235	2.5	
5117	8/27/2003	6.77	0.153	0.244	45.8	0.5	2	0.68	0.02	0.175	8.98	0.5		8.66	1	15	256	3.8	
5125	9/3/2003	6.71	0.2	0.05	47.3	0.5	2	0.5	0.02	0.1	9.76	0.5		5	1	15	241	2.5	
5133	9/10/2003	6.65	0.2	0.05	43.5	1.03	2	0.448	0.02	0.1	9.43	0.5		5	1	15	254	2.5	
5142	9/17/2003	6.16	0.2	0.05	44.8	1.84	2	0.5	0.02	0.1	9.09	0.5		5	1.78	15	233	2.5	
5150	9/24/2003	6.18	0.2	0.05	50.5	0.854	2	0.509	0.02	0.1	9.43	0.5		5	0.989	15	225	2.5	
5157	10/1/2003	6.42	0.2	0.05	44.6	0.5	2	0.423	0.02	0.1	9.26	0.5		4.54	0.925	15	283	1.8	
5165	10/8/2003	6.52	0.2	0.05	48.6	0.559	2	0.932	0.02	0.083	9.61	0.5		6.12	1.05	15	269	2.45	
5173	10/15/2003	6.48	0.2	0.05	46.6	0.5	2	0.687	0.02	0.1	9.94	0.5		5	1.06	15	310	2.5	
5181	10/22/2003	6.1	0.2	0.05	36.5	0.5	2	0.5	0.02	0.1	7.64	0.5		5	1.31	12.1	251	2.5	
5189	10/29/2003	6.04	0.2	0.05	48.7	0.5	2	0.5	0.02	0.1	9.84	0.5		5	1.32	15	235	2.5	
5196	11/5/2003	5.07	0.2	0.05	42.2	1.86	2	0.5	0.02	0.1	8.29	0.5		5	1.22	15	239	2.5	
5205	11/12/2003	5.87	0.2	0.05	43.1	0.5	2	0.5	0.02	0.1	9.15	0.5		5	0.819	9.52	277	2.5	
5212	11/19/2003	10.8	0.2	0.05	78.1	0.5	2	0.5	0.02	0.099	17.2	43.5		5	1.53	15	737	2.5	
5220	11/25/2003	7.35	0.2	0.05	26.5	0.5	2	0.35	0.112	0.1	7.35	14.6		5	0.84	15	250	2.5	
5228	12/3/2003	6.86	0.2	0.05	45.6	0.5	2	0.41	0.02	0.1	9.11	0.5		5	0.932	15	243	2.5	
5236	12/10/2003	6.29	0.2	0.05	44.5	0.5	2	0.5	0.02	0.1	8.88	0.5		5	0.953	15	272	2.5	
5243	12/16/2003	6.47	0.2	0.05	47.4	0.5	2	0.5	0.02	0.1	9.64	0.5		5	1.12	15	282	2.5	
5250	12/23/2003	6.52	0.2	0.05	45.8	0.5	2	0.5	0.02	0.1	9.16	0.5		5	0.965	9.9	299	2.5	
5258	12/30/2003	6.16	0.2	0.05	46.6	0.5	2	0.5	0.02	0.1	9.57	0.5		5	1.28	15	257	2.5	
5264	1/6/2004	6.48	0.2	0.05	47.8	0.5	2	0.5	0.02	0.1	9.67	0.5		5	1	12.2	274	2.5	
5307	2/17/2004	6.86	0.2	0.05	51.7	0.852	2	0.36	0.02	0.1	10.6	0.5		5	1.52	19.3	283	2.5	
5309	2/23/2004	7.01	0.2	0.05	53.1	2.06	2	0.5	0.02	0.1	11.3	0.5		5	1.52	15	280	2.5	
5316	3/1/2004	6.45	0.2	0.05	52.1	0.5	2	0.5	0.02	0.1	11	0.5		5	1.26	16.1	348	2.5	
5323	3/8/2004	6.52	0.2	0.05	50.7	1.48	2	0.369	0.02	0.1	10.8	0.5		5	1.55	15	269	2.5	
5330	3/15/2004	6.68	0.2	0.05	51.4	1.81	2	0.5	0.02	0.1	10.8	0.5		5	2.3	51.4	301	2.5	
5337	3/22/2004	6.78	0.2	0.05	50.6	7.83	2	0.5	0.02	0.1	10.9	0.5		5	2.26	21.5	325	2.5	
5349	3/30/2004	5.74	0.2	0.05	45.5	0.5	2	0.5	0.02	0.1	9.75	0.5		0.5	1	15	250	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
LIND												
5001	9/10/2002	0.5	2080	0.126	0.15	0.5	35.4	2.5	1	4.03	2.92	16%
1102	7/30/2003	0.5	2030	0.13	0.5	2.5	28.5	10	1.49	3.77	3.17	9%
5101	8/13/2003	0.5	2170	0.129	0.544	3.7	37.6	10	1	3.68	3.17	8%
5109	8/20/2003	0.5	2240	0.134	0.5	2.5	34.6	10	1	3.93	3.29	9%
5117	8/27/2003	0.5	1920	0.124	1.07	7.53	12.1	10	5.93	3.18	3.12	1%
5125	9/3/2003	0.5	2100	0.139	0.5	2.5	20.9	10	1	3.72	3.26	7%
5133	9/10/2003	0.5	2270	0.137	0.5	2.5	27.5	10	1	3.95	3.05	13%
5142	9/17/2003	0.5	1900	0.129	0.5	2.5	27.2	10	1	4.07	3.07	14%
5150	9/24/2003	0.5	2130	0.127	0.5	2.5	20.4	10	1	3.86	3.40	6%
5157	10/1/2003	0.5	2080	0.127	0.5	2.5	59.7	10	3.73	3.87	3.09	11%
5165	10/8/2003	0.5	2110	0.132	0.507	2.5	67.7	10	1	4.00	3.32	9%
5173	10/15/2003	0.5	2320	0.13	0.5	2.5	66.4	10	1.58	3.94	3.26	10%
5181	10/22/2003	0.5	2180	0.14	0.5	2.5	56.4	10	1	4.15	2.55	24%
5189	10/29/2003	0.5	2170	0.132	0.5	2.5	58.5	10	3.27	4.09	3.34	10%
5196	11/5/2003	0.5	1900	0.115	0.5	2.5	40.3	10	1	3.60	2.88	11%
5205	11/12/2003	0.5	1970	0.122	0.5	2.5	54.2	10	1	3.85	3.00	12%
5212	11/19/2003	0.5	4420	0.221	0.5	2.5	91.3	10	5.45	7.11	5.53	13%
5220	11/25/2003	0.5	2490	0.0767	0.5	2.5	29.9	10	5.68	2.90	2.05	17%
5228	12/3/2003	0.5	2180	0.124	0.5	2.5	42	10	1.47	3.93	3.13	11%
5236	12/10/2003	0.5	2250	0.12	0.5	2.5	60.4	10	3.3	3.96	3.06	13%
5243	12/16/2003	0.5	2190	0.13	0.5	2.5	61.4	10	5.14	4.17	3.26	12%
5250	12/23/2003	0.5	2350	0.128	0.5	2.5	64.3	10	7.47	4.12	3.15	13%
5258	12/30/2003	0.5	2190	0.13	0.5	2.5	59.3	10	2.35	4.27	3.22	14%
5264	1/6/2004	0.5	2260	0.13	0.5	2.5	58.4	10	3.33	4.18	3.29	12%
5307	2/17/2004	0.5	2280	0.143	0.5	2.5	41.6	10	2.51	4.51	3.56	12%
5309	2/23/2004	0.5	2210	0.151	0.5	2.5	44	10	3.56	4.36	3.69	8%
5316	3/1/2004	0.5	2430	0.143	0.5	2.5	62.2	10	4.79	4.35	3.62	9%
5323	3/8/2004	0.5	2140	0.14	0.479	2.5	58	10	12.1	4.50	3.52	12%
5330	3/15/2004	0.5	2280	0.146	0.5	2.5	47.1	10	1.85	4.51	3.56	12%
5337	3/22/2004	0.5	2360	0.142	0.724	2.5	49.1	10	1.7	4.68	3.54	14%
5349	3/30/2004	0.5	2060	0.13	0.5	2.5	45.4	10	1	4.67	3.17	19%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
LIND																
5355	4/6/2004	#N/A	Accepted					188	4.5	154	26.6	2.62	0.058		0.05	0.5
5362	4/12/2004	#N/A	Accepted					143	0.8	94	18.6	6.09	0.041		0.05	0.5
5364	4/19/2004	#N/A	Accepted					146	0.25	98	16.6	4.6	0.048		0.05	0.5
5371	4/26/2004	#N/A	Accepted					169	0.2	122	19.5	4.32	0.046		0.05	0.5
5378	5/3/2004	#N/A	Accepted					82.5	0.7	44	6.54	4.84	0.052		0.05	0.5
5386	5/11/2004	#N/A	Accepted					93.8	0.25	62	9.08	2.74	0.044		0.05	0.5
5394	5/17/2004	#N/A	Accepted					72.5	1.7	41	5.87	2.03	0.031		0.05	0.5
5403	5/24/2004	#N/A	Accepted					78.8	1.2	48.5	6.6	2.03	0.039		0.05	0.5
5413	6/1/2004	#N/A	Accepted					111	0.3	83	12.8	2.33	0.04		0.05	0.5
5422	6/7/2004	#N/A	Accepted					108	1.1	85	12.9	2.06	0.038		0.05	0.5
5431	6/14/2004	#N/A	Accepted					160	0.8	109	17.3	2.44	0.054		0.05	0.5
5440	6/21/2004	#N/A	Accepted					160	0.2	123	19.1	2.64	0.061		0.093	0.5
5449	6/30/2004	#N/A	Accepted					158	0.5	126	19.6	2.58	0.065		0.05	1.02
5459	7/6/2004	#N/A	Accepted					155	2.5	134	20.2	2.59	0.049		0.05	0.5
5469	7/13/2004	#N/A	Accepted					175	0.6	137	21	2.66	0.061		0.05	0.5
5479	7/19/2004	#N/A	Accepted					180	0.6	146	22.1	2.74	0.051		0.05	1
5489	7/26/2004	#N/A	Accepted					173	2.6	140	22.1	2.77	0.048		0.05	1
5499	8/2/2004	#N/A	Accepted					191	0.3	147	23.4	2.66	0.077		0.05	0.5
5509	8/9/2004	#N/A	Accepted					146	0.25	111	15	2.14	0.059		0.05	0.5
5509	8/16/2004	#N/A	Accepted					141	0.9	108	16	2.12	0.034		0.05	0.5
5519	8/23/2004	#N/A	Accepted					134	0.25	127	18.7	2.34	0.033		0.05	0.5
5529	8/30/2004	#N/A	Accepted					166	0.6	129	18.8	2.24	0.032		0.05	0.58
5539	9/7/2004	#N/A	Accepted					174	0.25	135	21.7	2.49	0.034		0.05	0.5
5549	9/13/2004	#N/A	Accepted					171	0.25	136	22.2	2.63	0.099		0.05	0.61
5559	9/20/2004	#N/A	Accepted					179	0.25	137	22.7	2.68	0.037		0.05	0.5
5569	9/27/2004	#N/A	Accepted					169	0.25	133	23.1	2.67	0.05		0.05	0.5
5579	10/4/2004	#N/A	Accepted					136	0.25	135	23.8	2.89	0.05		0.05	
5589	10/11/2004	#N/A	Accepted					169	0.25	134	23.7	2.82	0.05		0.05	
5599	10/20/2004	#N/A	Accepted					155	0.25	116	18.9	3.5	0.05		0.05	0.5
5609	10/25/2004	#N/A	Accepted					158	0.25	123	21.9	3.53	0.05		0.05	0.98
5619	11/1/2004	#N/A	Accepted					161	0.3	128	23.4	3.18	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
LIND																		
5355	4/6/2004	0.0025	0.0025	180.12	11.3	0.333	34.8	7.02	0.2	0.05	53.8	0.5	2	0.5	0.0375	0.076	11.1	4.13
5362	4/12/2004	0.0025	0.0025	113.84	10	1.2	29	4.82	0.2	0.25	33.5	0.5	2	0.426	0.02	0.1	7.32	1.74
5364	4/19/2004	0.0025	0.0025	124.56	10	0.5	30.4	5.24	0.2	0.25	37.2	0.5	2	0.731	0.02	0.1	7.68	1.04
5371	4/26/2004	0.0025	0.0025	147.68	10	0.31	29.3	6.02	0.2	0.25	43.8	0.5	2	0.398	0.02	0.1	9.29	0.5
5378	5/3/2004	0.0025	0.0025	48.74	11.6	0.5	15.2	3.15	0.2	0.25	14.5	0.5	2	0.5	0.0189	0.1	3.04	1.48
5386	5/11/2004	0.0025	0.0025	69.72	32.6	0.5	25.9	4.2	0.2	0.25	21.1	0.5	2	0.51	0.0481	0.1	4.13	1.22
5394	5/17/2004	0.0025	0.0025	45.38	36.2	0.5	19.2	3.04	0.2	0.25	13.6	0.5	2	0.695	0.0413	0.1	2.77	2.59
5403	5/24/2004	0.0025	0.0025	47.43	41	0.5	27.5	2.95	0.2	0.25	14.6	0.5	2	0.895	0.063	0.065	2.66	4.52
5413	6/1/2004	0.0025	0.0025	95.34	10	0.374	23	4.84	0.2	0.25	28.8	0.5	2	0.412	0.02	0.1	5.68	0.52
5422	6/7/2004	0.0025	0.0025	97.97	43.1	0.372	25.8	5.62	0.2	0.25	29.9	0.5	2	0.505	0.0937	0.129	5.65	2.57
5431	6/14/2004	0.0025	0.0025	123.59	10	0.5	30.1	5.73	0.2	0.25	37.4	1.46	2	0.451	0.02	0.1	7.32	0.492
5440	6/21/2004	0.0075	0.008	136.59	10	0.318	31.3	6.46	0.2	0.25	41.5	2.07	2	0.466	0.0195	0.1	7.99	0.5
5449	6/30/2004	0.0025	0.0025	136.98	10	0.311	28.7	6.6	0.2	0.25	40.8	0.5	2	0.5	0.02	0.1	8.51	0.5
5459	7/6/2004	0.0025	0.0025	158.22	10	0.352	31.6	6.96	0.2	0.25	47.9	3.74	2	0.5	0.02	0.1	9.36	0.849
5469	7/13/2004	0.0025	0.0025	161.42	10	0.411	32.9	7.31	0.2	0.25	49	0.495	2	0.5	0.02	0.1	9.47	0.414
5479	7/19/2004	0.0025	0.0025	163.38	10	0.315	30.1	7.12	0.2	0.25	49.7	0.5	2	0.5	0.02	0.1	9.52	0.624
5489	7/26/2004	0.0025	0.0025	170.00	15	0.5	37.6	7.78	0.2	0.25	52.2	0.372	2	0.5	0.0251	0.141	9.61	5.51
5499	8/2/2004	0.0025	0.0025	166.28	10	0.36	36.9	7.3	0.2	0.25	50.6	0.5	2	0.5	0.02	0.1	9.68	0.886
5509	8/9/2004	0.0025	0.0025	124.27	10	0.5	33.4	5.99	0.2	0.25	38.1	0.5	2	0.5	0.02	0.144	7.06	0.552
5509	8/16/2004	0.0025	0.0025	116.94	10	0.355	37.1	6.65	0.2	0.25	35.3	0.311	2	0.5	0.02	0.1	6.98	1.2
5519	8/23/2004	0.0025	0.0025	138.93	10	0.5	31.3	6.36	0.2	0.25	42.6	0.5	2	0.362	0.02	0.1	7.89	0.515
5529	8/30/2004	0.0025	0.0025	141.96	10	0.414	33.3	6.79	0.2	0.25	43.5	0.5	2	0.5	0.02	0.1	8.08	0.5
5539	9/7/2004	0.0025	0.0025	146.69	10	0.5	31.5	6.86	0.2	0.25	44.7	0.5	2	0.319	0.02	0.1	8.5	0.5
5549	9/13/2004	0.003	0.0025	149.08	10	0.402	33.3	7.3	0.2	0.25	45	0.5	2	0.411	0.02	0.1	8.9	0.5
5559	9/20/2004	0.0026	0.0025	149.22	10	0.321	33.7	7.47	0.2	0.25	45.4	0.5	2	1.01	0.02	0.1	8.69	0.5
5569	9/27/2004	0.0025	0.0025	155.21	10	0.5	30.8	6.01	0.2	0.25	46.5	0.5	2	0.331	0.02	0.1	9.48	0.5
5579	10/4/2004	0.0025	0.0025	148.95	10	0.5	18.8	4.21	0.2	0.25	44.9	0.5	2	0.5	0.02	0.1	8.93	0.5
5589	10/11/2004	0.0025	0.0025	153.28	10	0.5	32.9	6.64	0.2	0.25	46.4	0.5	2	0.392	0.02	0.1	9.07	0.5
5599	10/20/2004	0.0028	0.0025	143.40	10	0.5	29.5	5.46	0.2	0.25	43.7	0.86	2	0.5	0.02	0.1	8.31	0.5
5609	10/25/2004	0.0025	0.005	152.61	14.9	0.379	41.3	6.55	0.2	0.25	46	0.5	2	0.359	0.044	0.112	9.15	4.48
5619	11/1/2004	0.0025	0.0025	156.50	10	0.365	35.9	6.93	0.2	0.25	46.9	0.5	2	0.334	0.02	0.1	9.55	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
LIND																			
5355	4/6/2004	1.1	5	1.99	15	296	2.5		0.5	2300	0.152	0.5	2.5	48.6	10	1	10	0.313	31.9
5362	4/12/2004	2.3	5	1.51	100	588	2.5		0.5	3190	0.0912	0.5	0.5	34.2	10	2.5	10	0.717	27
5364	4/19/2004	1.7	5	1.5	100	537	2.5		0.5	2620	0.102	0.5	0.5	21	10	4.49	10	0.5	28.8
5371	4/26/2004	1.7	5	1.02	100	466	2.5		0.5	2920	0.121	0.5	0.5	44.6	10	2.5	10	0.5	27
5378	5/3/2004	2.2	5	1.45	100	614	2.5		0.5	2620	0.0465	0.5	0.5	11.1	10	2.5	7.22	0.5	11.7
5386	5/11/2004	4.2	5	1.15	100	411	2.5		0.5	1960	0.0652	0.531	0.5	17.8	10	2.5	15.2	0.5	22.6
5394	5/17/2004	2.7	5	0.784	100	340	2.5		0.5	1450	0.0433	0.5	0.5	13	10	2.09	20.7	0.5	17.6
5403	5/24/2004	3.2	5	1.53	100	305	2.5		0.5	1320	0.0376	0.5	0.5	12.3	10	2.5	16.5	0.5	19.5
5413	6/1/2004	1.5	5	0.988	100	268	2.5		0.5	1750	0.0801	0.5	0.5	28.1	10	2.5	10	0.363	22.2
5422	6/7/2004	0.5	5	0.942	100	297	2.5		0.5	1790	0.0853	0.578	0.5	30.8	10	2.5	10	0.5	22.5
5431	6/14/2004	1.4	5	1.09	100	272	2.5		0.5	2010	0.106	0.5	0.5	33.3	10	2.5	10	0.5	27
5440	6/21/2004	1.4	5	1.21	100	247	2.5		0.5	2120	0.119	0.5	0.5	39.6	10	2.5	10	0.5	28.1
5449	6/30/2004	0.5	5	1	100	166	2.5		0.5	2030	0.128	0.5	0.5	60.8	10	2.5	10	0.333	29.1
5459	7/6/2004	1	5	1.01	100	205	4.1		0.5	2170	0.136	0.5	0.675	60.8	10	2.5	10	0.35	28.9
5469	7/13/2004	3.6	5	0.875	100	192	2.5		0.5	2200	0.146	0.5	0.5	59.5	10	2.5	10	0.331	31
5479	7/19/2004	0.5	5	1.01	100	159	2.5		0.5	2040	0.144	0.5	0.5	48.2	10	2.5	10	0.432	34.4
5489	7/26/2004	0.5	5	1.25	100	203	2.5		0.5	2270	0.15	0.5	0.5	45.5	10	2.5	10	0.372	34.9
5499	8/2/2004	1.4	5	1	100	235	2.5		0.5	2650	0.15	0.5	0.5	66.6	10	2.5	10	0.347	33.9
5509	8/9/2004	2.1	5	1	100	235	2.5		0.5	1770	0.108	0.5	0.5	27.7	10	2.5	10	1.96	36.3
5509	8/16/2004	1.6	5	1	100	278	2.5		0.5	2120	0.104	0.5	0.5	34.2	10	2.5	10	0.5	33.9
5519	8/23/2004	0.5	5	0.986	100	250	2.5		0.5	2000	0.127	0.5	0.5	40.2	10	2.5	10	0.314	31.7
5529	8/30/2004	0.5	5	1	100	220	2.5		0.5	2370	0.13	0.5	0.5	34.9	10	2.5	10	0.5	31.4
5539	9/7/2004	1.2	5	1	100	227	2.5		0.5	2200	0.129	0.5	0.5	44.8	10	2.5	10	0.5	30.1
5549	9/13/2004	1.4	5	0.917	100	260	2.5		0.5	2270	0.131	0.5	0.5	53.4	10	2.5	10	0.5	33.5
5559	9/20/2004	1.2	5	0.775	100	291	2.5		0.5	2240	0.126	0.5	0.5	54.9	10	4.42	10	0.339	32.5
5569	9/27/2004	0.5	5	1	100	220	2.5		0.5	2160	0.131	0.5	0.5	33.1	10	2.5	10	0.392	30.6
5579	10/4/2004	1.4	5	0.921	100	155	2.5		0.5	1450	0.124	0.5	0.5	13.4	10	7.32	10	0.374	31.9
5589	10/11/2004	1.4	5	1.66	100	260	2.5		0.5	2120	0.13	0.5	0.5	19.1	10	2.5	10	0.315	33.2
5599	10/20/2004	1.4	5	0.976	100	241	2.5		0.5	1800	0.115	0.5	0.5	37.4	10	2.5	10	0.327	31.2
5609	10/25/2004	1.7	5	1.04	100	245	2.5		0.5	2240	0.124	0.5	0.5	39.7	10	2.5	10	0.332	33.7
5619	11/1/2004	1.6	5	0.864	100	201	2.5		0.5	2170	0.128	0.5	0.5	50.6	10	2.5	10	0.345	36.1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
LIND																			
5355	4/6/2004	6.6	0.2	0.05	51.8	3.65	2	0.584	0.02	0.1	11.1	0.5		5	1.47	10.5	289	2.5	
5362	4/12/2004	4.94	0.2	0.25	33.6	0.5	2	0.403	0.02	0.1	7.22	0.879		5	1.44	100	618	2.5	
5364	4/19/2004	5.18	0.2	0.25	35.8	0.5	2	0.408	0.02	0.1	7.44	0.807		5	1.45	100	528	2.5	
5371	4/26/2004	5.52	0.2	0.25	41.7	0.5	2	0.5	0.02	0.1	8.97	0.5		5	1.51	100	384	2.5	
5378	5/3/2004	3.27	0.2	0.25	14	0.5	2	0.5	0.02	0.1	3	0.5		5	0.856	100	596	2.5	
5386	5/11/2004	4.19	0.2	0.25	13.8	0.5	2	0.511	0.02	0.1	3.95	0.413		5	1.22	100	445	2.5	
5394	5/17/2004	3.14	0.2	0.069	12	0.5	2	0.945	0.0179	0.1	2.52	0.721		5	0.859	100	367	2.5	
5403	5/24/2004	2.89	0.2	0.25	15.6	0.5	2	0.414	0.0176	0.1	2.89	0.42		5	0.715	100	253	2.5	
5413	6/1/2004	4.38	0.2	0.25	25.3	0.686	2	0.436	0.02	0.1	4.96	0.5		5	0.907	100	239	2.5	
5422	6/7/2004	4.59	0.2	0.25	28.4	0.5	2	0.336	0.02	0.1	5.36	0.5		5	1	100	245	2.5	
5431	6/14/2004	5.76	0.2	0.25	39.3	1.68	2	0.321	0.02	0.1	7.59	0.5		5	0.998	100	248	2.5	
5440	6/21/2004	5.18	0.2	0.25	38.7	0.404	2	0.426	0.02	0.1	7.71	0.5		5	0.854	100	202	2.5	
5449	6/30/2004	6.3	0.2	0.25	42.7	0.5	2	0.5	0.02	0.1	8.17	0.5		5	0.685	100	196	2.5	
5459	7/6/2004	6.66	0.2	0.25	45.8	2.96	2	0.5	0.02	0.1	9.13	0.5		5	1.11	100	206	3.1	
5469	7/13/2004	7.16	0.2	0.25	45	0.55	2	0.5	0.02	0.1	8.74	0.5		5	0.895	100	196	2.5	
5479	7/19/2004	8.09	0.2	0.25	48.3	0.5	2	0.5	0.02	0.1	8.74	0.856		5	0.663	100	167	2.5	
5489	7/26/2004	7.18	0.2	0.25	45.9	0.5	2	0.5	0.02	0.1	9.29	0.621		5	1.05	100	175	2.5	
5499	8/2/2004	7.31	0.2	0.25	45.9	0.5	2	0.5	0.02	0.1	9	0.652		5	1	72.5	221	2.5	
5509	8/9/2004	6.22	0.2	0.25	36.5	0.5	2	0.687	0.02	0.13	6.74	0.605		5	1	100	274	2.5	
5509	8/16/2004	6.35	0.2	0.25	35.6	0.5	2	0.41	0.02	0.1	6.9	0.512		5	0.836	100	181	2.5	
5519	8/23/2004	6.86	0.2	0.25	39.4	0.5	2	0.377	0.02	0.1	7.71	0.425		5	0.784	100	228	2.5	
5529	8/30/2004	6.88	0.2	0.25	40.4	0.5	2	0.5	0.02	0.1	7.59	0.5		5	1	100	229	2.5	
5539	9/7/2004	6.42	0.2	0.25	41	0.5	2	0.5	0.02	0.1	7.89	0.5		5	1	100	218	2.5	
5549	9/13/2004	6.92	0.2	0.25	43.1	0.601	2	0.372	0.02	0.1	8.18	0.5		5	1	100	237	2.5	
5559	9/20/2004	7.01	0.2	0.25	42.6	0.5	2	0.48	0.02	0.1	8.24	0.5		5	1.14	100	243	2.5	
5569	9/27/2004	6.35	0.2	0.25	46	0.5	2	0.44	0.02	0.1	8.77	0.5		5	1	100	238	2.5	
5579	10/4/2004	6.1	0.2	0.25	44.6	0.5	2	0.351	0.02	0.1	8.63	0.5		5	1	100	217	2.5	
5589	10/11/2004	6.27	0.2	0.25	45.8	0.488	2	0.399	0.02	0.1	8.9	0.5		5	1.36	100	258	2.5	
5599	10/20/2004	5.02	0.2	0.25	41.7	0.99	2	0.5	0.02	0.1	8	0.5		5	0.972	100	232	2.5	
5609	10/25/2004	5.67	0.2	0.25	41.8	0.5	2	0.5	0.02	0.1	8.26	0.5		5	1.04	100	222	2.5	
5619	11/1/2004	6.16	0.2	0.25	45.7	1.43	2	0.346	0.02	0.1	9.24	0.5		5	1.07	100	221	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
LIND												
5355	4/6/2004	0.5	2370	0.146	0.5	2.5	45.9	10	2	4.57	3.61	12%
5362	4/12/2004	0.5	3350	0.092	0.5	0.5	29.8	10	1.6	3.02	2.44	11%
5364	4/19/2004	0.5	2600	0.1	0.507	0.5	21.1	10	4.59	2.97	2.53	8%
5371	4/26/2004	0.5	2600	0.112	0.5	0.5	42.5	10	2.5	3.59	2.94	10%
5378	5/3/2004	0.5	2440	0.045	0.5	0.5	11.5	10	2	1.36	1.07	12%
5386	5/11/2004	0.5	1970	0.0607	0.5	0.5	18.6	10	1.92	1.81	1.11	24%
5394	5/17/2004	0.5	1530	0.0401	0.5	0.5	13.1	10	3.33	1.21	0.89	15%
5403	5/24/2004	0.5	1260	0.0406	0.5	0.5	12.5	10	2.41	1.40	1.08	13%
5413	6/1/2004	0.5	1590	0.0696	0.376	0.5	24.5	10	1.69	2.42	1.75	16%
5422	6/7/2004	0.5	1590	0.0802	0.5	0.5	31.8	10	2.5	2.46	1.94	12%
5431	6/14/2004	0.5	1990	0.109	0.5	0.5	22.6	10	2.5	3.18	2.68	8%
5440	6/21/2004	0.5	1560	0.117	0.5	0.5	42.7	10	2.5	3.56	2.64	15%
5449	6/30/2004	0.5	1980	0.129	0.5	0.5	55.8	10	2.5	3.68	2.90	12%
5459	7/6/2004	0.5	2110	0.135	0.5	0.506	50.4	10	2.5	3.83	3.14	10%
5469	7/13/2004	0.5	2170	0.136	0.5	0.5	58.6	10	2.5	3.94	3.07	12%
5479	7/19/2004	0.5	2380	0.138	0.5	0.5	29.8	10	2.5	4.21	3.24	13%
5489	7/26/2004	0.5	2050	0.147	0.5	0.5	45.1	10	4.86	4.09	3.15	13%
5499	8/2/2004	0.5	2510	0.14	0.5	0.5	64	10	9.47	4.26	3.15	15%
5509	8/9/2004	0.5	1950	0.106	0.5	0.317	31.8	10	2.5	3.09	2.47	11%
5509	8/16/2004	0.5	1920	0.104	0.5	0.5	31.7	10	2.5	3.08	2.44	12%
5519	8/23/2004	0.5	2020	0.118	0.5	0.5	30.3	10	2.5	3.61	2.70	14%
5529	8/30/2004	0.5	2380	0.122	0.5	0.5	37.4	10	2.5	3.66	2.75	14%
5539	9/7/2004	0.5	2130	0.121	0.5	0.5	38	10	2.5	3.93	2.80	17%
5549	9/13/2004	0.5	2110	0.123	0.5	0.5	54.3	10	2.5	3.99	2.92	15%
5559	9/20/2004	0.5	2190	0.12	0.5	0.5	55.7	10	2.5	4.03	2.91	16%
5569	9/27/2004	0.5	2220	0.126	0.5	0.5	27.7	10	2.5	3.97	3.12	12%
5579	10/4/2004	0.5	2080	0.121	0.5	0.389	33.2	10	2.5	4.01	3.03	14%
5589	10/11/2004	0.5	2220	0.128	0.5	0.5	29	10	2.5	3.99	3.12	12%
5599	10/20/2004	0.5	1810	0.112	0.5	0.5	31.2	10	2.5	3.42	2.83	10%
5609	10/25/2004	0.5	2020	0.111	0.5	0.5	37	10	2.5	3.76	2.86	14%
5619	11/1/2004	0.5	2250	0.124	0.5	0.5	40.3	10	2.5	3.89	3.15	11%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
LIND																
5629	11/9/2004	#N/A	Accepted					166	0.25	136	24.5	3.04	0.05		0.069	0.5
5639	11/15/2004	#N/A	Accepted					163	0.25	130	23.8	3.08	0.05		0.058	0.5
5649	11/22/2004	#N/A	Accepted					179	0.25	130	23.9	2.87	0.05		0.05	0.5
5659	12/7/2004	#N/A	Accepted					153	0.25	140	23.7	2.83	0.131		0.05	0.5
5683	1/4/2005	#N/A	Accepted					176	0.25	149	24.1	2.9	0.05		0.05	0.5
5713	5/23/2005	#N/A	Accepted			7.60	170	95	0.25	74	11.3	2.39	0.05		0.05	0.05
5724	6/6/2005	#N/A	Accepted			7.90	195	119	0.25	87	7.13	0.945	0.05		0.05	0.05
5735	7/5/2005	#N/A	Accepted			8.00	250	145	0.3	112	9.29	1.2	0.05		0.05	0.05
5744	8/1/2005	#N/A	Accepted					176	0.25	139	20.2	2.46	0.039		0.05	0.061
5754	9/26/2005	#N/A	Accepted					107	0.3	81	14.2	4.11	0.034		0.0317	0.04
5767	10/31/2005	#N/A	Accepted					139	0.25	121	20.3	3.08	0.062		0.0731	0.061
5781	11/16/2005	#N/A	Accepted					190	0.25	130	21.1	2.96	0.04		0.05	0.0635
5837	8/30/2006	#N/A	Accepted					186	2.5	140	22.9	2.85	0.038		0.041	0.111
5851	10/19/2006	#N/A	Accepted					135	0.25	174	18.2	3.26	0.063		0.105	0.054
5865	10/30/2006	#N/A	Accepted					134	0.25	104	13.8	2.53	0.5		0.0349	0.0775
5879	11/6/2006	#N/A	Accepted					130	0.2	118	19	2.92	0.05		0.0531	0.046
5893	11/13/2006	#N/A	Accepted					125	5.8	122	20.2	2.88	0.05		0.0466	0.05
5902	11/20/2006	#N/A	Accepted					166	0.25	126	21	2.87	0.05		0.0326	0.048
5910	11/28/2006	#N/A	Accepted					170	0.25	130	21.2	2.81	0.05		0.0322	0.137
5918	12/4/2006	#N/A	Accepted					170	0.25	130	21.5	2.95	0.05		0.05	0.0595
5926	12/11/2006	#N/A	Accepted					188	0.25	136	21.8	3.12	0.05		0.05	0.05
5934	12/18/2006	#N/A	Accepted					158	0.2	134	22.3	2.94	0.05		0.05	0.05
5942	12/26/2006	#N/A	Accepted					174	0.25	137	22.2	2.92	0.05		0.0437	0.052
5950	1/16/2007	1070250	Accepted					170	0.4	142	20.5	2.58	0.05		0.0406	0.036
5957	3/5/2007	1070892	Accepted					171	0.3	150	24.5	2.97	0.05		0.05	0.0535
5965	6/4/2007	1072562	Accepted	7.83				134	0.25	95	11.6	2.31	0.066		0.05	0.05
5973	11/8/2007	1076030	Accepted	7.58		8.06	300	171	1.3	133	28.9	2.33	0.05		0.05	0.0495
			Minimum	7.6	0.0	7.6	170.0	72.5	0.2	41.0	5.9	0.9	0.0	0.1	0.0	0.0
			Maximum	7.8	0.0	8.1	300.0	213.0	5.8	174.0	30.1	6.1	0.1	0.1	0.1	1.0
			Average	7.7	#DIV/0!	7.8	241.0	157.8	0.7	124.7	20.6	2.7	0.1	0.1	0.1	0.4

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
LIND																		
5629	11/9/2004	0.0037	0.0025	164.86	10	0.321	34.3	6.16	0.2	0.25	49.7	0.922	2	0.5	0.02	0.1	9.88	0.5
5639	11/15/2004	0.0046	0.003	150.19	10	0.327	31.3	6.92	0.2	0.25	45.1	1.49	2	0.5	0.02	0.1	9.11	0.5
5649	11/22/2004	0.0025	0.0027	162.78	10	0.5	28.7	6.79	0.2	0.25	49.2	0.5	2	0.5	0.02	0.1	9.68	0.5
5659	12/7/2004	0.0025	0.0025	159.09	10	0.5	29.6	6.14	0.2	0.25	48.1	0.5	2	0.5	0.02	0.1	9.45	0.5
5683	1/4/2005	0.0025	0.0025	191.27	10	0.5	27	5.77	0.2	0.25	57.6	0.5	2	0.5	0.02	0.1	11.5	0.5
5713	5/23/2005	0.0025	0.0025	87.71	10	0.5	22.7	4.61	0.2	0.25	26.8	0.5	2	0.5	0.02	0.1	5.04	0.5
5724	6/6/2005	0.0025	0.0025	97.52	10	0.32	24.6	4.81	0.2	0.178	30	0.5	2	0.5	0.02	0.1	5.48	0.5
5735	7/5/2005	0.0025	0.0025	135.10	10	0.5	29.1	5.89	0.2	0.25	41.2	1.65	2	2.83	0.02	0.1	7.81	0.5
5744	8/1/2005	0.0025	0.0025	165.07	10	0.5	29.5	7.11	0.2	0.25	51.2	0.5	2	0.5	0.033	0.1	9.02	0.437
5754	9/26/2005	0.0025	0.0025	98.50	10	0.5	30.3	6.12	0.2	0.25	29.8	0.5	2	0.5	0.02	0.1	5.84	0.483
5767	10/31/2005	0.0025	0.0025	145.49	10	0.5	26.7	5.3	0.2	0.25	44.5	0.5	2	0.5	0.02	0.1	8.33	0.5
5781	11/16/2005	0.0025	0.0025	159.32	10	0.5	28.5	6.3	0.2	0.187	48.8	0.5	2	0.5	0.02	0.108	9.08	0.5
5837	8/30/2006	0.0025	0.0025	161.26	7.05	0.5	33.2	7.94	0.2	0.25	49.1	0.5	2	0.462	0.01	0.1	9.37	0.5
5851	10/19/2006	0.0025	0.0025	123.01	10	0.581	35.8	5.96	0.2	0.25	37.3	0.5	2	0.565	0.01	0.1	7.24	0.5
5865	10/30/2006	0.0025	0.0025	117.28	10	0.356	33.4	5.59	0.2	0.25	35.6	0.5	2	0.332	0.01	0.1	6.88	0.5
5879	11/6/2006	0.0025	0.0025	135.53	10	0.5	32.7	6.36	0.2	0.25	41.8	0.5	2	0.5	0.0081	0.1	7.55	0.421
5893	11/13/2006	0.0025	0.0025	139.48	99.6	0.436	39	7.73	0.2	0.25	43	1.04	2	0.547	0.228	0.261	7.78	10.8
5902	11/20/2006	0.0025	0.0025	144.00	10	0.5	29.8	6.6	0.2	0.25	44.2	0.5	2	0.5	0.01	0.1	8.15	0.5
5910	11/28/2006	0.0025	0.0025	144.91	10	0.5	28.3	6.56	0.2	0.25	44.4	0.5	2	0.5	0.01	0.1	8.25	0.5
5918	12/4/2006	0.0025	0.0025	149.14	10	0.44	30.3	6.93	0.2	0.25	45.6	0.5	2	0.478	0.01	0.1	8.55	0.338
5926	12/11/2006	0.002	0.002	149.34	10	0.5	30.1	6.94	0.2	0.25	45.4	0.39	2	0.5	0.01	0.1	8.72	0.887
5934	12/18/2006	0.0025	0.0025	152.96	10	0.5	31.2	7.01	0.2	0.25	46.7	0.5	2	0.5	0.01	0.1	8.81	0.5
5942	12/26/2006	0.0025	0.0025	147.96	10	0.5	30.9	6.49	0.2	0.25	44.6	0.5	2	0.5	0.0089	0.1	8.87	0.507
5950	1/16/2007	0.0025	0.0025	161.54	10	0.333	30.1	6.21	0.2	0.25	48.9	0.5	2	0.352	0.01	0.1	9.56	0.5
5957	3/5/2007	0.0025	0.0025	164.01	10	0.5	31.9	7.09	0.2	0.335	49	0.5	2	0.5	0.0094	0.1	10.1	0.686
5965	6/4/2007	0.0025	0.0025	109.56	10	0.5	25.3	5.28	0.2	0.25	33.6	0.5	2	0.5	0.0068	0.1	6.22	0.5
5973	11/8/2007	0.0025	0.0025	160.32	25.3	1.68	39.8	7.9	0.2	0.25	46.7	1	2	0.5	0.0629	0.1	10.6	11.8
		0.0	0.0	45.4	7.1	0.3	13.1	3.0	0.2	0.1	13.6	0.3	2.0	0.3	0.0	0.1	2.7	0.3
		0.0	0.0	191.3	99.6	4.2	41.3	8.2	0.3	0.3	57.6	7.3	2.0	2.8	0.3	0.3	11.5	15.9
		0.0	0.0	144.7	13.0	0.5	31.3	6.3	0.2	0.2	43.7	0.8	2.0	0.5	0.0	0.1	8.7	1.6

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
LIND																			
5629	11/9/2004	0.5	5	1.3	100	230	2.5		0.5	2290	0.136	0.5	0.5	37.7	10	2.5	10	0.334	34.6
5639	11/15/2004	0.5	5	1.43	100	256	2.5		0.5	2210	0.125	0.5	0.5	60.6	10	2.5	10	0.337	27.7
5649	11/22/2004	0.5	5	1.45	100	236	2.5		0.5	2210	0.135	0.5	0.5	64.5	10	2.5	10	0.331	31.2
5659	12/7/2004	0.5	5	1.1	100	231	2.5		0.5	2460	0.13	0.5	0.5	17.8	10	2.5	10	0.5	30.1
5683	1/4/2005	0.5	5	1	100	250	2.5		0.5	2120	0.155	0.5	0.5	49.5	10	2.5	10	0.5	25.7
5713	5/23/2005	1.2	5	1	100	250	2.5		0.5	1820	0.0727	0.5	0.5	29.5	10	2.5	10	0.5	23.3
5724	6/6/2005	1.3	5	1.31	100	269	2.5		0.5	1690	0.0846	0.5	0.5	31.7	10	2.5	10	0.5	22.5
5735	7/5/2005	1.4	5	1.14	100	202	2.5		0.5	2000	0.121	0.5	0.5	41.4	10	2.5	10	0.5	28.1
5744	8/1/2005	1.2	5	1.35	100	216	2.5		0.5	2280	0.143	0.5	0.5	40.7	10	2.5	10	0.447	32.3
5754	9/26/2005	1.5	5	0.85	100	270	2.5		0.5	2030	0.082	0.5	0.5	26.5	10	2.5	10	0.5	27.4
5767	10/31/2005	0.6	5	1.32	100	189	2.5		0.5	1970	0.121	0.5	0.5	30.2	10	2.5	10	0.5	31.5
5781	11/16/2005	0.7	5	1.44	100	202	2.5		0.5	2170	0.132	0.5	0.404	37.6	10	3.12	10	0.5	27.2
5837	8/30/2006		5	1.35	100	232	2.5		0.5	2580	0.136	0.5	0.5	72.5	10	3.8	10	0.5	34.6
5851	10/19/2006		5	1.18	100	328	2.5		0.5	2200	0.104	0.5	0.5	51.4	10	2.5	10	0.474	35.8
5865	10/30/2006		5	1.21	100	185	2.5		0.5	2210	0.0951	0.5	0.355	41.6	10	2.5	10	0.424	32.1
5879	11/6/2006		5	1.26	100	259	2.5		0.5	2360	0.11	0.5	0.5	52.9	10	2.5	10	0.5	33
5893	11/13/2006		5	1.72	100	291	2.5		0.5	2570	0.116	0.5	0.5	48.6	10	2.5	10	0.484	30.6
5902	11/20/2006		5	1.33	100	268	2.5		0.5	2480	0.123	0.5	0.5	62.7	10	2.5	10	0.5	30.9
5910	11/28/2006		5	1.97	100	251	2.5		0.5	2400	0.122	0.5	0.5	52.3	10	4.81	10	0.5	27.6
5918	12/4/2006		5	0.915	100	324	2.5		0.5	2500	0.124	0.5	0.5	48.7	10	2.5	10	0.375	31.5
5926	12/11/2006		5	1.51	100	253	2.5		0.5	2340	0.126	0.564	1.21	56.2	10	2.5	10	0.5	26.9
5934	12/18/2006		5	1.86	100	262	2.5		0.5	2560	0.129	0.5	0.5	62.7	10	2.5	10	0.5	28.1
5942	12/26/2006		5	1.35	100	254	2.5		0.5	2520	0.129	0.438	0.5	68.4	10	2.5	10	0.5	27.4
5950	1/16/2007		5	1.25	100	249	2.5	2710	0.5	2270	0.137	0.5	0.5	60.7	10	2.5	10	0.5	28.7
5957	3/5/2007	0.606	5	1.31	100	357	2.5		0.5	2410	0.142	0.5	0.5	59.7	10	2.83	10	0.5	29.9
5965	6/4/2007	0	5	1.34	100	309	2.5		0.5	2100	0.096	0.5	0.5	31.5	10	2.5	10	0.5	27.1
5973	11/8/2007	0	5	1.83	100	245	2.5		0.5	2050	0.143	0.5	0.5	50.2	10	2.5	10	1.6	37
		0.0	0.5	0.8	15.0	155.0	1.0	2530.0	0.5	1320.0	0.0	0.2	0.4	3.1	2.5	1.0	7.2	0.3	7.5
		5.7	6.7	2.9	250.0	614.0	4.1	2920.0	0.5	3190.0	0.2	3.7	2.5	72.5	10.0	25.3	20.7	2.0	37.6
		1.2	5.0	1.2	73.8	270.7	2.5	2707.5	0.5	2193.2	0.1	0.6	1.2	43.4	9.9	3.2	10.2	0.5	30.3

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
LIND																			
5629	11/9/2004	6.25	0.2	0.25	46.3	2.22	2	0.5	0.02	0.1	9.24	0.5		5	1.36	100	214	2.5	
5639	11/15/2004	6.5	0.2	0.176	44.3	0.5	2	0.5	0.02	0.1	8.86	0.5		5	0.987	100	263	2.5	
5649	11/22/2004	7	0.2	0.25	43.2	0.5	2	0.5	0.02	0.1	8.61	0.5		5	1.69	100	240	2.5	
5659	12/7/2004	6.22	0.2	37.8	43.5	0.5	2	2.71	0.02	0.466	8.74	0.5		5	1.14	100	238	2.5	
5683	1/4/2005	5.51	0.2	0.25	49.2	0.5	2	0.5	0.02	0.1	9.82	0.5		5	1	100	250	2.5	
5713	5/23/2005	4.2	0.2	0.25	24	0.5	2	0.5	0.02	0.1	4.54	0.5		5	1	100	250	2.5	
5724	6/6/2005	4.47	0.2	0.25	26.9	0.5	2	0.5	0.02	0.1	4.96	0.5		5	1.2	100	276	2.5	
5735	7/5/2005	5.61	0.2	0.25	40.3	0.852	2	0.5	0.02	0.1	7.52	0.5		5	1.71	100	194	2.5	
5744	8/1/2005	7.06	0.2	0.25	51	0.5	2	0.316	0.02	0.13	8.93	0.467		5	1.57	100	201	2.5	
5754	9/26/2005	5.3	0.2	0.25	28	0.5	2	0.5	0.02	0.1	5.39	0.5		5	1.05	100	284	2.5	
5767	10/31/2005	5.45	0.2	0.142	43.4	0.5	2	0.5	0.02	0.1	8.3	0.5		5	1.22	100	222	2.5	
5781	11/16/2005	5.98	0.2	0.25	45.9	0.5	2	0.5	0.02	0.1	8.8	0.5		5	1.02	100	209	2.5	
5837	8/30/2006	7.68	0.2	0.25	54.9	0.5	2	0.364	0.0272	0.1	9.43	0.5		5	1.74	100	242	2.5	
5851	10/19/2006	5.8	0.2	0.25	38.1	0.5	2	2.64	0.01	0.1	7.46	0.5		5	1.15	100	328	2.5	
5865	10/30/2006	5.65	0.2	0.25	35.8	0.5	2	0.32	0.01	0.072	6.87	0.5		5	1.25	100	212	2.5	
5879	11/6/2006	6.09	0.2	0.25	40.9	0.5	2	0.5	0.01	0.1	7.6	0.5		5	1.34	100	256	2.5	
5893	11/13/2006	6.27	0.2	0.25	41.8	0.679	2	0.5	0.01	0.1	7.58	0.5		5	1.32	100	276	2.5	
5902	11/20/2006	6.68	0.2	0.25	42.9	0.5	2	0.5	0.01	0.1	7.93	0.5		5	1.32	100	256	2.5	
5910	11/28/2006	6.48	0.2	0.25	44.5	0.5	2	0.5	0.01	0.1	8.24	0.5		5	1.8	100	261	2.5	
5918	12/4/2006	6.78	0.2	0.25	46.8	0.5	2	0.342	0.01	0.1	8.67	0.5		5	0.871	100	349	2.5	
5926	12/11/2006	6.25	0.2	0.25	43.5	0.457	2	0.5	0.01	0.1	8.39	0.5		5	1.27	100	242	2.5	
5934	12/18/2006	6.81	0.2	0.25	45.8	0.5	2	0.5	0.01	0.1	8.65	0.5		5	1.46	100	276	2.5	
5942	12/26/2006	6.59	0.2	0.25	45.3	0.5	2	0.5	0.01	0.1	9	0.5		5	1.4	100	260	2.5	
5950	1/16/2007	6.28	0.2	0.25	49.8	0.5	2	0.5	0.01	0.1	9.68	0.5		5	1.69	100	233	1.54	2590
5957	3/5/2007	6.89	0.2	0.155	48.6	0.5	2	0.5	0.01	0.1	10.1	0.5		5	1.21	100	279	2.5	
5965	6/4/2007	5.58	0.2	0.25	34.6	0.5	2	0.5	0.01	0.1	6.4	0.5		5	1.32	100	318	1.51	
5973	11/8/2007	8.1	0.2	0.25	46.3	1	2	0.5	0.0082	0.1	10.6	10.4		5	2.12	100	251	2.5	
		2.9	0.2	0.1	12.0	0.4	2.0	0.3	0.0	0.1	2.5	0.4	0.0	0.5	0.7	9.5	167.0	1.0	2590.0
		8.1	0.2	0.3	54.9	7.8	2.0	2.7	0.1	0.5	11.3	14.6	0.0	8.7	2.3	250.0	618.0	3.8	2590.0
		6.2	0.2	0.2	42.0	0.8	2.0	0.5	0.0	0.1	8.4	0.8	#DIV/0!	5.0	1.2	73.4	266.6	2.5	2590.0

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
LIND												
5629	11/9/2004	0.5	2300	0.129	0.5	0.5	33	10	2.5	4.11	3.18	13%
5639	11/15/2004	0.5	2210	0.123	0.5	0.5	61.7	10	2.5	3.95	3.05	13%
5649	11/22/2004	0.5	2290	0.119	0.5	0.5	49	10	2.5	3.95	2.97	14%
5659	12/7/2004	0.5	2560	0.119	0.5	0.5	17.3	10	2.69	4.14	3.01	16%
5683	1/4/2005	0.5	2050	0.137	0.5	0.5	47.9	10	2.5	4.34	3.36	13%
5713	5/23/2005	0.5	1640	0.0652	0.5	0.5	27.4	10	2.5	2.34	1.65	17%
5724	6/6/2005	0.5	1650	0.0759	0.5	0.5	29.6	10	2.5	2.36	1.83	13%
5735	7/5/2005	0.5	1940	0.118	0.5	0.5	43.8	10	1.93	2.98	2.72	5%
5744	8/1/2005	0.5	2190	0.143	0.5	0.5	39.1	10	2.5	3.90	3.38	7%
5754	9/26/2005	0.5	2140	0.0767	0.5	0.5	34.5	10	2.5	2.46	1.94	12%
5767	10/31/2005	0.5	2050	0.118	0.5	0.5	40.5	10	2.5	3.56	2.95	9%
5781	11/16/2005	0.5	1970	0.122	0.5	0.5	20.9	10	1.56	3.78	3.11	10%
5837	8/30/2006	0.5	2630	0.138	0.402	0.557	69.8	10	3.88	4.07	3.64	6%
5851	10/19/2006	0.5	2340	0.109	0.5	0.5	45.2	10	2.5	4.51	2.63	26%
5865	10/30/2006	0.5	2260	0.0947	0.5	0.786	44.7	10	2.5	2.86	2.46	8%
5879	11/6/2006	0.5	2430	0.11	0.5	0.5	50.3	10	2.5	3.42	2.78	10%
5893	11/13/2006	0.5	2560	0.113	0.5	0.5	43.2	10	2.5	3.57	2.83	12%
5902	11/20/2006	0.5	2430	0.118	0.5	0.5	67.5	10	2.5	3.69	2.91	12%
5910	11/28/2006	0.5	3040	0.12	0.5	0.5	49.2	10	5.65	3.78	3.04	11%
5918	12/4/2006	0.5	2620	0.125	0.5	0.5	46.9	10	2.5	3.80	3.17	9%
5926	12/11/2006	0.5	2310	0.121	0.6	1.42	56.3	10	2.5	3.94	2.97	14%
5934	12/18/2006	0.5	2510	0.128	0.5	0.5	60.5	10	2.5	3.92	3.12	11%
5942	12/26/2006	0.5	2350	0.129	0.5	0.5	66.1	10	2.71	3.97	3.11	12%
5950	1/16/2007	0.5	2420	0.138	0.5	0.5	61.7	10	2.5	3.98	3.40	8%
5957	3/5/2007	0.5	2530	0.142	0.5	0.5	57.9	10	2.66	4.36	3.38	13%
5965	6/4/2007	0.5	2190	0.0988	0.5	0.849	32	10	2.5	2.56	2.36	4%
5973	11/8/2007	0.5	2230	0.142	0.5	0.5	55	10	2.77	4.46	3.29	15%
		0.5	1260.0	0.0	0.2	0.3	11.5	2.5	1.0			
		0.5	3350.0	0.2	1.1	7.5	69.8	10.0	12.1			
		0.5	2188.5	0.1	0.5	1.3	42.4	9.9	2.8			

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
LIND																
			Median	7.7	#NUM!	7.9	250.0	166.0	0.3	132.0	22.1	2.6	0.1	0.1	0.1	0.5
			Count	2	0	5	5	87	87	87	87	87	86	22	87	85

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
LIND																		
		0.0	0.0	153.0	10.0	0.5	31.6	6.5	0.2	0.3	46.4	0.5	2.0	0.5	0.0	0.1	9.1	0.5
		87	86	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
LIND																			
		1.2	5.0	1.1	100.0	255.0	2.5	2690.0	0.5	2200.0	0.1	0.5	0.5	45.5	10.0	2.5	10.0	0.5	31.4
		73	87	87	87	87	87	4	87	87	87	87	86	87	87	87	87	87	87

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
LIND																			
		6.3	0.2	0.3	44.5	0.5	2.0	0.5	0.0	0.1	8.8	0.5	#NUM!	5.0	1.1	100.0	250.0	2.5	2590.0
		87	87	86	87	87	87	87	87	87	87	87	0	87	87	87	87	87	1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
LIND												
		0.5	2190.0	0.1	0.5	0.5	42.7	10.0	2.5			
		87	87	87	87	87	87	87	87			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.
- Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1
RCK1															
5208	11/12/2003	#N/A	Accepted					178	1.9	126	41	2.85	0.033	0.05	0.05
5216	11/19/2003	#N/A	Accepted					173	17.2	124	24.7	2.36	0.032	0.05	0.05
5224	11/25/2003	#N/A	Accepted					140	3	126	23.9	2.32	0.036	0.05	0.05
5232	12/3/2003	#N/A	Accepted					164	1.5	132	24.7	2.3	0.034	0.05	0.05
5238	12/10/2003	#N/A	Accepted					159	1	126	25.3	2.26	0.035	0.05	0.05
5245	12/16/2003	#N/A	Accepted			7.70	285	175	1.33	128	26.9	2.28	0.054	0.05	0.05
5252	12/23/2003	#N/A	Accepted					180	0.5	138	38	2.45	0.057	0.05	0.035
5260	12/30/2003	#N/A	Accepted					186	0.757	140	28.1	2.32	0.052	0.05	0.05
5267	1/6/2004	#N/A	Accepted					189	0.7	134	28.6	2.28	0.056	0.05	0.05
5274	1/14/2004	#N/A	Accepted					209	0.7	138	29.2	2.28	0.06	0.05	0.05
5278	1/21/2004	#N/A	Accepted					191	0.2	140	176	2.29	0.048	0.05	0.05
5285	1/28/2004	#N/A	Accepted					208	0.5	136	30.4	2.31	0.056	0.05	0.05
5291	2/3/2004	#N/A	Accepted					196	1.2	140	31.3	2.34	0.059	0.05	0.05
5297	2/11/2004	#N/A	Accepted					194	0.4	140	33.7	2.26	0.058		0.05
5303	2/17/2004	#N/A	Accepted					199	3.54	144	34.1	2.29	0.075		0.05
5311	2/23/2004	#N/A	Accepted					200	0.6	142	34.2	2.27	0.047		0.05
5318	3/1/2004	#N/A	Accepted					179	1	142	34.4	2.28	0.039		0.05
5325	3/8/2004	#N/A	Accepted					196	0.2	144	34.8	2.28	0.039		0.05
5331	3/15/2004	#N/A	Accepted					210	5	144	36.1	2.36	0.039		0.05
5338	3/22/2004	#N/A	Accepted					204	0.7	149	35.2	2.29	0.036		0.05
5344	3/30/2004	#N/A	Accepted					216	0.8	134	35.8	2.3	0.05		0.05
5356	4/6/2004	#N/A	Accepted					196	0.2	144	34.6	2.39	0.05		0.05
5358	4/13/2004	#N/A	Accepted					141	3.1	97	22.2	4.04	0.032		0.05
5365	4/19/2004	#N/A	Accepted					169	0.9	115	24.6	3.63	0.05		0.05
5375	4/26/2004	#N/A	Accepted					174	0.4	134	27.5	3.27	0.037		0.05
5382	5/3/2004	#N/A	Accepted					80	48.4	40	6.35	5.25	0.05		0.05
5392	5/11/2004	#N/A	Accepted					87.5	15	67	11.9	2.91	0.05		0.05
5757	9/26/2005	#N/A	Accepted					92.5	10.9	74	12.6	3.5	0.05		0.05
5770	10/31/2005	#N/A	Accepted					141	1	122	23.1	2.45	0.05		0.0814
5784	11/17/2005	#N/A	Accepted					175	2	133	26.9	2.38	0.034		0.05
5798	12/8/2005	#N/A	Accepted					175	0.3	135	31.3	2.37	0.05		

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	NO3+NO2	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T
Units		mg/L	mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.1	0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2
RCK1																	
5208	11/12/2003	0.5	0.0025	0.0025	171.59	6.79	0.818	85.1	4.28	0.2	0.05	49.4	0.547	2	0.504	0.02	0.1
5216	11/19/2003	0.84	0.0025	0.0025	154.94	29.9	0.5	33.2	4.49	0.2	0.05	46.9	0.5	2	0.334	0.0391	0.233
5224	11/25/2003	0.5	0.0025	0.0025	153.36	10	0.5	36.3	4.45	0.2	0.05	46.4	0.324	2	0.811	0.02	0.1
5232	12/3/2003	0.5	0.0025	0.0025	150.46	10	0.357	37.8	4.22	0.2	0.051	45.7	0.5	2	0.442	0.02	0.1
5238	12/10/2003	0.5	0.0025	0.0025	156.31	8.73	0.5	40.6	5.52	0.2	0.05	47.2	0.5	2	1.5	0.137	0.1
5245	12/16/2003	0.5	0.0025	0.0025	158.28	10	0.325	41.5	4.22	0.2	0.05	47.3	0.5	2	0.5	0.02	0.1
5252	12/23/2003	0.5	0.0025	0.0025	169.37	10	1.16	76.7	4.83	0.2	0.05	49.5	0.5	2	0.5	0.02	0.1
5260	12/30/2003	0.85	0.0025	0.0025	162.14	10	0.344	44.2	4.45	0.2	0.05	48.5	0.5	2	0.5	0.02	0.1
5267	1/6/2004	0.5	0.0025	0.0025	154.74	10	0.334	45.1	4.81	0.2	0.05	45.8	0.5	2	0.5	0.02	0.1
5274	1/14/2004	0.5	0.0025	0.0025	166.67	10	0.554	48	4.8	0.2	0.05	49.9	1.87	2	0.5	0.02	0.1
5278	1/21/2004	0.62	0.0025	0.0025	168.66	10	0.416	49.1	4.7	0.2	0.05	50.2	3.08	2	0.5	0.02	0.1
5285	1/28/2004	0.5	0.0025	0.0025	166.66	10	0.5	48.8	5.19	0.2	0.05	49.4	3.64	2	0.5	0.02	0.1
5291	2/3/2004	0.5	0.0025	0.0025	175.94	10	0.5	50.6	4.6	0.2	0.459	51.8	3.71	2	0.5	0.02	0.1
5297	2/11/2004	0.5	0.0025	0.0025	168.62	10	0.404	54.3	4.47	0.2	0.05	49.2	0.5	2	0.441	0.02	0.1
5303	2/17/2004	0.5	0.0025	0.0025	179.02	13.7	0.464	56.3	5.23	0.2	0.05	52.7	0.5	2	0.439	0.0132	0.1
5311	2/23/2004	0.5	0.0025	0.0025	182.00	10	0.327	53	4.93	0.2	0.05	53.4	0.5	2	0.5	0.02	0.1
5318	3/1/2004	0.5	0.0025	0.0025	179.25	10	0.378	56.4	4.44	0.2	0.05	52.3	0.462	2	0.5	0.02	0.1
5325	3/8/2004	0.5	0.0025	0.0025	185.55	10	0.364	53.1	4.65	0.2	0.05	54	0.5	2	0.5	0.02	0.1
5331	3/15/2004	0.45	0.0025	0.0025	182.25	10	0.396	60	5.04	0.2	0.05	53.5	4.64	2	0.617	0.02	0.1
5338	3/22/2004	0.5	0.0025	0.0025	176.84	10	0.425	62.9	4.7	0.2	0.05	51.5	5.88	2	0.376	0.02	0.1
5344	3/30/2004	0.5	0.0025	0.0025	177	10	0.5	58.9	4.61	0.2	0.05	51.2	0.5	2	0.5	0.02	0.1
5356	4/6/2004	0.5	0.0025	0.0025	183.50	10	0.391	60.7	4.6	0.2	0.05	54	0.5	2	0.5	0.02	0.1
5358	4/13/2004	0.5	0.0025	0.0025	121.40	36.4	0.648	45.5	4.44	0.2	0.093	36.1	0.5	2	0.437	0.0701	0.108
5365	4/19/2004	0.5	0.0025	0.0025	147.90	9.03	0.5	44.2	4.41	0.2	0.25	44.1	0.5	2	0.386	0.0166	0.1
5375	4/26/2004	0.55	0.0025	0.0025	160.58	10	0.5	46.8	4.68	0.2	0.25	47.3	0.5	2	0.363	0.02	0.1
5382	5/3/2004	0.5	0.0025	0.0025	48.46	1220	0.983	251	13.4	0.2	0.0585	14.6	0.354	1.46	2.51	3.04	2.27
5392	5/11/2004	0.5	0.0025	0.0025	75.38	260	0.341	55.4	5.57	0.2	0.25	22.9	0.5	2	1.12	0.614	0.59
5757	9/26/2005	0.05	0.0025	0.0025	83.44	229	0.5	15.6	5.42	0.2	0.25	26.7	0.5	2	0.602	0.433	0.32
5770	10/31/2005	0.074	0.0025	0.0025	149.77	11.6	0.5	20.4	4.96	0.2	0.25	46	0.5	2	0.781	0.0338	0.1
5784	11/17/2005	0.054	0.0025	0.0025	165.69	13.3	0.484	26.1	6.69	0.2	0.25	50	0.5	2	0.331	0.0574	0.194
5798	12/8/2005	0.044	0.0025	0.0025	168.39	10	0.599	25.1	6.88	0.2	0.25	49.6	0.704	2	0.325	0.025	0.1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Mg-T	Mn-T	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D
Units		mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		0.1	1	1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20
RCK1																			
5208	11/12/2003	11.7	1.86	0.5	5	1.41	15	258	2.5		0.5	2030	0.142	0.5	2.5	61.7	10	1	10
5216	11/19/2003	9.17	11.2	1.9	5	0.852	15	187	2.5		0.5	1660	0.122	0.5	2.5	49	10	1.2	10
5224	11/25/2003	9.09	3.07	0.5	5	0.895	15	165	2.5		0.5	1760	0.129	0.5	2.5	52.1	10	1	10
5232	12/3/2003	8.81	2.83	0.5	5	0.83	25.6	202	2.5		0.5	1800	0.121	0.5	2.5	44.4	10	1	10
5238	12/10/2003	9.32	3.63	0.5	5	0.851	15	163	2.5		0.5	1590	0.129	0.5	2.5	51.8	10	1	10
5245	12/16/2003	9.74	3.12	2	5	0.911	15	199	2.5		0.5	1900	0.132	0.5	2.5	57.3	10	1.7	10
5252	12/23/2003	11.1	1.16	1.4	5	1.27	15	267	2.5		0.5	2020	0.141	0.5	2.5	70.5	10	6.53	10
5260	12/30/2003	9.95	3.19	0.5	5	1.4	15	207	2.5		0.5	1820	0.137	0.5	2.5	59.4	10	2.45	10
5267	1/6/2004	9.79	2.4	0.5	5	1	15	212	2.5		0.5	1800	0.132	0.597	2.5	57.2	10	1	10
5274	1/14/2004	10.2	2.09	0.5	5	1.01	15	210	2.5		0.5	1790	0.141	0.638	2.5	52	10	1	10
5278	1/21/2004	10.5	2.03	0.5	5	1.48	15	230	2.5		0.5	1770	0.143	1.12	2.5	50	10	1	10
5285	1/28/2004	10.5	1.72	0.5	5	1.27	15	200	2.5		0.5	1750	0.144	0.5	2.5	58.7	10	3.06	10
5291	2/3/2004	11.3	1.68	3.9	5	1.25	15	188	2.5		0.5	1750	0.151	0.5	2.5	52.7	10	1	10
5297	2/11/2004	11.1	0.976	0.5	5	1.44	15	219	2.5		0.5	1890	0.146	0.5	2.5	48	10	1	10
5303	2/17/2004	11.5	3.44	1.2	5	1.4	15	282	2.5		0.5	2480	0.151	1.55	2.5	52.7	10	1.43	10
5311	2/23/2004	11.8	1.21	1.6	5	1.27	15	287	2.5		0.5	2080	0.157	0.5	2.5	53.5	10	1	10
5318	3/1/2004	11.8	0.98	1.3	5	1.24	15	250	2.5		0.5	1840	0.151	0.5	2.5	65.1	10	1	10
5325	3/8/2004	12.3	0.863	0.5	5	1.76	15	243	2.5		0.5	1840	0.158	0.5	2.5	65	10	1	10
5331	3/15/2004	11.8	1.27	0.5	5	2.31	18	267	2.5		0.5	1900	0.157	0.5	2.5	42.9	10	1	10
5338	3/22/2004	11.7	0.824	0.5	5	2.24	15	235	2.5		0.5	1890	0.151	2.08	2.5	55.9	10	1.25	10
5344	3/30/2004	12	0.5		0.5	1	15	250	2.5		0.5	1980	0.156	0.5	2.5	53.4	10	1	10
5356	4/6/2004	11.8	0.549	0.5	5	1.82	15	258	2.5		0.5	1920	0.161	0.5	2.5	49.7	10	1	10
5358	4/13/2004	7.58	4.3	2.2	5	1.84	100	553	2.5		0.5	2340	0.104	0.5	0.5	33.7	10	1.98	10
5365	4/19/2004	9.16	1.68	1.2	5	1.59	100	437	2.5		0.5	2090	0.128	0.5	0.5	27	10	2.5	10
5375	4/26/2004	10.3	1.33	2.4	5	1.33	100	370	2.5		0.5	2400	0.136	0.5	0.5	48.4	10	2.5	10
5382	5/3/2004	2.91	65.4	4.8	5.55	5.31	100	1090	2.12		0.5	2700	0.0477	0.34	0.314	22.7	10	12.4	11.8
5392	5/11/2004	4.41	15.9	4	8.6	2	100	672	2.5		0.5	1810	0.0734	0.5	0.5	24.3	10	2.89	12.4
5757	9/26/2005	4.06	15.2	1.5	5	1.17	100	230	2.5		0.5	1710	0.0638	0.5	0.5	27.3	10	2.5	10.1
5770	10/31/2005	8.46	7.35	1.1	5	1.33	100	151	2.5		0.5	1700	0.135	0.5	0.5	57.2	10	2.5	10
5784	11/17/2005	9.9	8.36	0.7	5	1.63	100	175	2.5		0.5	1880	0.158	0.5	0.5	40.1	10	8.69	10
5798	12/8/2005	10.8	4.31	1.1	5	0.872	100	237	2.5		0.5	1820	0.167	0.5	0.5	46.9	10	2.5	10

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Sb-D	As-D	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500
RCK1																			
5208	11/12/2003	0.757	78.7	4.14	0.2	0.05	46.9	0.588	2	0.5	0.02	0.1	11.3	0.371		5	1.08	15	266
5216	11/19/2003	0.5	33.5	4.29	0.2	0.05	44	0.5	2	0.5	0.02	0.1	8.73	1.57		5	0.815	15	201
5224	11/25/2003	0.5	31.7	4.06	0.2	0.05	43.4	0.5	2	0.5	0.02	0.1	8.46	2.23		5	0.928	15	217
5232	12/3/2003	0.313	36.7	4.67	0.2	0.05	44.3	0.5	2	0.661	0.02	0.1	8.61	1.96		5	0.879	15	189
5238	12/10/2003	0.363	37.4	4.2	0.2	0.05	44.5	0.5	2	0.5	0.02	0.1	8.62	2.4		5	0.985	15	209
5245	12/16/2003	0.5	40.3	4.47	0.2	0.05	47.5	0.424	2	0.5	0.02	0.1	9.51	2.1		5	1.01	15	226
5252	12/23/2003	0.5	76.5	4.42	0.2	0.05	47.4	0.5	2	0.5	0.02	0.1	10.6	0.955		5	1.25	10.3	259
5260	12/30/2003	0.5	42.9	4.3	0.2	0.05	47	0.5	2	20.3	0.02	0.1	9.42	2.13		5	1.65	15	209
5267	1/6/2004	0.362	47.5	4.96	0.2	0.05	46.9	0.5	2	0.5	0.02	0.1	9.57	1.98		5	1	15	224
5274	1/14/2004	0.325	46	4.9	0.2	0.05	48.4	0.76	2	0.5	0.02	0.1	9.92	1.5		5	1.12	9.55	230
5278	1/21/2004	0.359	49.6	4.66	0.2	0.05	48	1.65	2	0.5	0.02	0.1	10.1	1.37		5	0.828	10.2	225
5285	1/28/2004	0.5	46.5	4.25	0.2	0.05	46.1	2.35	2	0.5	0.02	0.1	9.96	1.15		5	1.1	15	182
5291	2/3/2004	0.5	47.1	4.67	0.2	0.05	49.6	3.58	2	0.5	0.02	0.1	10.8	1.08		5	1.44	15	185
5297	2/11/2004	0.345	53.5	4.79	0.2	0.05	47.2	0.5	2	0.5	0.02	0.1	10.7	0.66		5	1.54	15	238
5303	2/17/2004	0.5	56.4	4.75	0.2	0.05	52.1	0.36	2	0.5	0.02	0.1	11.2	0.662		5	1.54	10.8	231
5311	2/23/2004	0.43	56.9	4.89	0.2	0.05	52.2	1.61	2	0.333	0.02	0.1	11.8	0.714		5	1.58	15	237
5318	3/1/2004	0.359	53	4.24	0.2	0.05	51.3	2.24	2	0.62	0.02	0.1	11.5	4.87		5	1.88	21.7	259
5325	3/8/2004	0.388	51.7	4.82	0.2	0.05	50.1	0.5	2	0.5	0.02	0.1	11.6	0.602		5	1.67	15	226
5331	3/15/2004	0.361	54	4.89	0.2	0.05	51.7	1.24	2	0.5	0.02	0.1	11.5	0.659		5	2.29	52.7	216
5338	3/22/2004	0.435	61.7	4.88	0.2	0.05	50.1	6.99	2	0.345	0.02	0.1	11.4	0.69		5	2.35	17.3	242
5344	3/30/2004	0.5	57.4	4.51	0.2	0.05	51.6	0.5	2	0.5	0.02	0.1	11.7	0.5		0.5	1	15	250
5356	4/6/2004	0.347	61.5	4.76	0.2	0.05	51.8	2.36	2	0.356	0.02	0.1	11.8	0.439		5	1.63	15	215
5358	4/13/2004	1.54	36.7	3.95	0.2	0.25	36.5	0.5	2	0.658	0.0581	0.1	7.55	1.15		5	1.65	100	516
5365	4/19/2004	0.5	45.1	4.46	0.2	0.25	42.3	0.5	2	0.427	0.02	0.1	8.86	0.956		5	1.55	100	442
5375	4/26/2004	0.5	44.7	4.28	0.2	0.25	47.4	0.5	2	0.5	0.02	0.1	10.2	0.5		5	1.47	100	304
5382	5/3/2004	0.5	17	1.5	0.2	0.25	13.6	0.5	2	0.5	0.0228	0.1	2.68	0.5		5	0.765	100	752
5392	5/11/2004	0.5	23.8	3.16	0.2	0.25	21.9	0.5	2	0.689	0.0161	0.094	4.13	1.98		5	1.44	100	469
5757	9/26/2005	0.5	8.87	3.81	0.2	0.25	26	0.5	2	0.352	0.02	0.1	4.05	7.07		5	0.851	100	246
5770	10/31/2005	0.316	20.4	5.01	0.2	0.126	44.2	0.5	2	0.5	0.02	0.1	8.3	6.79		5	1.13	100	161
5784	11/17/2005	0.328	25.2	6.92	0.2	0.16	46.9	0.5	2	0.5	0.02	0.1	9.33	6.71		5	1.42	100	199
5798	12/8/2005	0.787	27.1	8.05	0.2	0.25	49.5	0.5	2	0.5	0.02	0.063	10.8	4.16		5	1.44	100	207

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Se-D	Si-D	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		5	200	1	500	0.005	1	1	5	20	5			
RCK1														
5208	11/12/2003	2.5		0.5	1850	0.137	0.5	2.5	64.7	10	1	4.77	3.36	17%
5216	11/19/2003	2.5		0.5	1830	0.115	0.5	2.5	51.6	10	1	3.89	3.00	13%
5224	11/25/2003	2.5		0.5	1690	0.114	0.5	2.5	48.7	10	4.4	3.86	2.94	13%
5232	12/3/2003	2.5		0.5	1780	0.119	0.5	2.5	40	10	1	4.02	3.00	15%
5238	12/10/2003	2.5		0.5	1810	0.121	0.5	2.5	60.9	10	1.3	3.93	3.02	13%
5245	12/16/2003	2.5		0.5	1830	0.133	0.5	2.5	62.7	10	2.64	4.28	3.24	14%
5252	12/23/2003	2.5		0.5	1970	0.135	0.5	2.5	64.2	10	8.16	4.85	3.33	18%
5260	12/30/2003	2.5		0.5	1850	0.13	0.5	2.5	60.4	10	1.81	4.39	3.21	16%
5267	1/6/2004	2.5		0.5	1800	0.131	0.5	2.5	57.4	10	1	4.27	3.22	14%
5274	1/14/2004	2.5		0.5	1790	0.139	0.5	2.5	50.8	10	1	4.38	3.32	14%
5278	1/21/2004	2.5		0.5	1770	0.139	0.409	2.5	53.9	10	8.87	12.16	3.31	57%
5285	1/28/2004	2.5		0.5	1630	0.136	0.5	2.5	52.6	10	1	4.40	3.20	16%
5291	2/3/2004	2.5		0.5	1760	0.145	0.5	2.5	49.3	10	1.22	4.53	3.45	14%
5297	2/11/2004	2.5		0.5	1780	0.14	0.5	2.5	48.1	10	1	4.66	3.32	17%
5303	2/17/2004	2.5		0.5	1960	0.154	0.623	2.5	44.8	10	1.13	4.76	3.62	14%
5311	2/23/2004	2.5		0.5	1860	0.155	0.5	2.5	45.3	10	1.42	4.72	3.67	13%
5318	3/1/2004	2.5		0.5	1860	0.148	0.5	2.5	68.2	10	1	4.73	3.60	14%
5325	3/8/2004	2.5		0.5	1750	0.15	0.5	2.5	62	10	1.18	4.79	3.54	15%
5331	3/15/2004	2.5		0.5	1830	0.154	0.5	2.5	44.8	10	3.47	4.86	3.62	15%
5338	3/22/2004	2.5		0.5	1860	0.149	0.5	2.5	48.6	10	1.8	4.92	3.53	16%
5344	3/30/2004	2.5		0.5	1930	0.152	0.5	2.5	48.1	10	2	4.65	3.63	12%
5356	4/6/2004	2.5		0.5	1880	0.153	0.5	2.5	51.9	10	1	4.79	3.65	14%
5358	4/13/2004	2.5		0.5	2290	0.107	0.599	0.5	35.8	10	2.18	3.23	2.56	12%
5365	4/19/2004	2.5		0.5	2180	0.125	0.394	0.5	25.4	10	2.5	3.71	2.95	11%
5375	4/26/2004	2.5		0.5	2090	0.133	0.5	0.5	50.1	10	2.5	4.23	3.31	12%
5382	5/3/2004	2.5		0.5	2390	0.0441	0.5	0.5	10.3	10	2.5	1.28	1.03	11%
5392	5/11/2004	2.5		0.5	1880	0.0689	0.5	0.5	20.5	10	2.07	2.06	1.53	15%
5757	9/26/2005	2.5		0.5	1940	0.064	0.5	0.5	31.9	10	2.5	2.22	1.72	13%
5770	10/31/2005	2.5		0.5	1600	0.129	0.5	0.5	41.8	10	2.5	3.71	2.96	11%
5784	11/17/2005	2.5		0.5	1830	0.146	0.5	1.31	38.1	10	11.5	4.13	3.20	13%
5798	12/8/2005	2.5		0.5	1810	0.167	0.5	1.83	48.9	10	2.5	4.40	3.45	12%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1
RCK1															
5812	1/4/2006	#N/A	Accepted					184	0.8	140	35.3	2.3	0.05		0.095
5826	5/3/2006	#N/A	Accepted					194	0.25	148	35.3	3.01	0.037		0.103
5840	8/30/2006	#N/A	Accepted					170	35	124	22.3	2.25	0.031		0.05
5854	10/19/2006	#N/A	Accepted					128	4.8	94	15.4	2.9	0.054		0.0342
	Minimum			0.0	0.0	7.7	285.0	80.0	0.2	40.0	6.4	2.3	0.0	0.1	0.0
	Maximum			0.0	0.0	7.7	285.0	216.0	48.4	149.0	41.0	5.3	0.1	0.1	0.1
	Average			#DIV/0!	#DIV/0!	7.7	285.0	172.9	4.7	126.7	28.2	2.6	0.0	0.1	0.1
	Median			#NUM!	#NUM!	7.7	285.0	179.0	1.0	134.0	34.0	2.3	0.1	0.1	0.1
	Count			0	0	1	1	35	35	35	35	35	35	13	34

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	NO3+NO2	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T
Units		mg/L	mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.1	0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2
RCK1																	
5812	1/4/2006	0.05	0.0025	0.0025	185.61	10	0.75	31.6	8.17	0.2	0.25	53.2	0.5	2	0.5	0.0296	0.1
5826	5/3/2006	0.05	0.0025	0.0025	183.52	10	0.664	33.4	9.23	0.2	0.25	52.2	0.5	2	0.344	0.0382	0.1
5840	8/30/2006	0.05	0.0025	0.0025	153.69	1370	0.604	91.6	18.9	0.2	0.25	46.5	0.668	1.73	3.51	2.81	1.7
5854	10/19/2006	0.0345	0.0025	0.0025	105.95	245	0.314	19.5	5.71	0.2	0.25	33.8	0.5	2	1.03	0.43	0.261
	Minimum	0.0	0.0	0.0	48.5	6.8	0.3	15.6	4.2	0.2	0.1	14.6	0.3	1.5	0.3	0.0	0.1
	Maximum	0.9	0.0	0.0	185.6	1370.0	1.2	251.0	18.9	0.2	0.5	54.0	5.9	2.0	3.5	3.0	2.3
	Average	0.4	0.0	0.0	156.4	105.0	0.5	53.1	5.8	0.2	0.1	46.4	1.1	2.0	0.7	0.2	0.2
	Median	0.5	0.0	0.0	166.7	10.0	0.5	48.0	4.8	0.2	0.1	49.4	0.5	2.0	0.5	0.0	0.1
	Count	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Mg-T	Mn-T	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D
Units		mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		0.1	1	1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20
RCK1																			
5812	1/4/2006	12.8	2.92	0.5	5	1.16	100	301	2.5		0.5	2090	0.198	0.5	0.5	56.1	6.55	2.5	8.63
5826	5/3/2006	12.9	3.02	4	5	1.46	100	373	2.5		0.5	2240	0.191	0.5	0.5	49.2	10	2.5	10
5840	8/30/2006	9.11	88.5		5	5.65	100	416	2.5		0.5	2060	0.141	0.5	0.5	83.9	10	9.23	11.3
5854	10/19/2006	5.22	12.3		5	1.85	100	332	2.5		0.5	1950	0.0863	0.5	0.5	39	10	8.58	10.7
	Minimum	2.9	0.5	0.5	0.5	0.8	15.0	151.0	2.1	0.0	0.5	1590.0	0.0	0.3	0.3	22.7	6.6	1.0	8.6
	Maximum	12.9	88.5	4.8	8.6	5.7	100.0	1090.0	2.5	0.0	0.5	2700.0	0.2	2.1	2.5	83.9	10.0	12.4	12.4
	Average	9.8	8.0	1.4	5.0	1.6	47.0	294.7	2.5	#DIV/0!	0.5	1944.3	0.1	0.6	1.8	50.3	9.9	2.7	10.1
	Median	10.3	2.8	0.9	5.0	1.3	15.0	243.0	2.5	#NUM!	0.5	1890.0	0.1	0.5	2.5	52.0	10.0	1.4	10.0
	Count	35	35	32	35	35	35	35	35	0	35	35	35	35	35	35	35	35	35

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Sb-D	As-D	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D
Units		ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500
RCK1																			
5812	1/4/2006	0.709	24.8	8.02	0.2	0.063	49.2	0.972	2	0.5	0.02	0.1	12	1.94		5	0.849	100	224
5826	5/3/2006	0.677	33.1	9.72	0.2	0.084	51.5	1.83	2	0.347	0.02	0.1	12.8	1.3		5	1.61	100	366
5840	8/30/2006	0.5	24.3	6.61	0.2	0.25	47.2	0.5	2	0.351	0.01	0.1	8.46	1.84		5	1.57	100	210
5854	10/19/2006	0.5	11.1	3.78	0.2	0.25	34.1	0.5	2	0.508	0.0077	0.1	5.25	3.33		5	1.21	100	284
	Minimum	0.3	8.9	1.5	0.2	0.1	13.6	0.4	2.0	0.3	0.0	0.1	2.7	0.4	0.0	0.5	0.8	9.6	161.0
	Maximum	1.5	78.7	9.7	0.2	0.3	52.2	7.0	2.0	0.7	0.1	0.1	12.8	7.1	0.0	5.0	2.4	100.0	752.0
	Average	0.5	41.8	4.9	0.2	0.1	44.9	1.1	2.0	0.5	0.0	0.1	9.5	2.0	#DIV/0!	4.9	1.3	47.4	266.2
	Median	0.5	44.7	4.7	0.2	0.1	47.2	0.5	2.0	0.5	0.0	0.1	10.0	1.4	#NUM!	5.0	1.4	15.0	226.0
	Count	35	35	35	35	35	35	35	35	34	35	35	35	35	0	35	35	35	35

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Se-D	Si-D	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		5	200	1	500	0.005	1	1	5	20	5			
RCK1														
5812	1/4/2006	2.5		0.5	2070	0.185	0.5	0.5	57.2	10	2.5	4.71	3.54	14%
5826	5/3/2006	2.5		0.5	2340	0.189	0.5	0.5	47.8	10	1.75	4.88	3.74	13%
5840	8/30/2006	2.5		0.5	1980	0.141	0.5	0.5	62.1	10	2.5	3.70	3.15	8%
5854	10/19/2006	2.5		0.5	1930	0.0894	0.5	0.5	39.5	10	2.5	2.75	2.23	11%
Minimum		2.5	0.0	0.5	1600.0	0.0	0.4	0.5	10.3	10.0	1.0			
Maximum		2.5	0.0	0.5	2390.0	0.2	0.6	2.5	68.2	10.0	11.5			
Average		2.5	#DIV/0!	0.5	1897.1	0.1	0.5	1.8	48.2	10.0	2.5			
Median		2.5	#NUM!	0.5	1850.0	0.1	0.5	2.5	48.9	10.0	2.0			
Count		35	0	35	35	35	35	35	35	35	35			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.
- Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK1A																
5163	10/1/2003	#N/A	Accepted					123	8.2	110	16.4	2.2	0.032	0.05	0.05	0.5
5171	10/8/2003	#N/A	Accepted					151	1	110	16.8	2.11	0.032	0.05	0.042	0.5
5177	10/15/2003	#N/A	Accepted					136	3.2	109	17.1	2.13	0.031	0.05	0.05	0.5
5184	10/22/2003	#N/A	Accepted					133	2.2	112	17.9	2.1	0.05	0.05	0.05	0.5
5191	10/29/2003	#N/A	Accepted					154	0.5	108	17.8	2.09	0.033	0.05	0.05	0.5
5199	11/5/2003	#N/A	Accepted					130	21.4	97	15.3	2.1	0.05	0.05	0.05	0.5
5400	5/18/2004	#N/A	Accepted					63.8	3.8	42	5.9	2.55	0.038		0.05	0.5
5409	5/24/2004	#N/A	Accepted					57.5	12.2	32	4.16	2.18	0.05		0.05	0.5
5416	6/1/2004	#N/A	Accepted					78.8	3.4	65	9.87	2.28	0.05		0.05	0.5
5426	6/8/2004	#N/A	Accepted					106	1.9	82	12.9	2.19	0.05		0.05	0.5
5434	6/14/2004	#N/A	Accepted					144	0.9	100	16.8	2.43	0.043		0.05	0.5
5443	6/21/2004	#N/A	Accepted					138	0.25	111	18	2.43	0.099		0.134	2.88
5452	7/1/2004	#N/A	Accepted					159	0.2	114	18.4	2.35	0.033		0.05	1.6
5462	7/6/2004	#N/A	Accepted					150	1.7	122	0.05	2.18	0.044		0.05	0.5
5472	7/13/2004	#N/A	Accepted					166	1	126	20.4	2.44	0.049		0.05	0.5
5482	7/19/2004	#N/A	Accepted					175	2	135	23	2.45	0.04		0.05	1
5492	7/26/2004	#N/A	Accepted					160	1.5	129	24.1	2.44	0.036		0.05	1
5502	8/2/2004	#N/A	Accepted					188	0.7	133	23.9	2.38	0.08		0.05	0.5
5512	8/9/2004	#N/A	Accepted					116	2.2	96	13.3	1.93	0.04		0.05	0.5
5512	8/16/2004	#N/A	Accepted					114	2	88	13.4	1.96	0.05		0.05	0.5
5522	8/23/2004	#N/A	Accepted					140	0.7	111	17.4	2.2	0.043		0.05	0.5
5532	8/30/2004	#N/A	Accepted					155	30	121	20.8	2.38	0.05		0.05	0.5
5542	9/7/2004	#N/A	Accepted					156	0.7	128	21.9	2.37	0.05		0.05	0.5
5552	9/13/2004	#N/A	Accepted					166	1.2	144	22.6	2.43	0.086		0.11	0.5
5562	9/20/2004	#N/A	Accepted					165	0.6	127	23.1	2.51	0.05		0.085	0.5
5572	9/27/2004	#N/A	Accepted					169	0.4	124	23.9	2.49	0.05		0.05	0.5
5582	10/4/2004	#N/A	Accepted					150	0.3	124	24.2	2.78	0.05		0.05	
5592	10/11/2004	#N/A	Accepted					151	1.4	118	21.8	3.17	0.05		0.05	
5602	10/21/2004	#N/A	Accepted					166	0.3	106	22.1	4.05	0.05		0.05	0.5
5612	10/26/2004	#N/A	Accepted					134	2.1	109	9.1	1.26	0.05		0.05	0.64
5622	11/2/2004	#N/A	Accepted					163	2	120	16.3	2.43	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK1A																		
5163	10/1/2003	0.0025	0.0025	126.68	43.4	0.5	2.07	3.13	0.2	0.05	40.2	1.24	2	0.5	0.0495	0.1	6.37	8.3
5171	10/8/2003	0.0025	0.0025	121.56	15.6	0.5	2.5	2.69	0.2	0.05	38.3	0.5	2	0.5	0.02	0.105	6.28	1.35
5177	10/15/2003	0.0025	0.0025	125.79	12.8	0.5	2.69	2.67	0.2	0.05	39.5	1.25	2	0.609	0.0129	0.1	6.58	2.76
5184	10/22/2003	0.0025	0.00533	129.67	8.23	0.5	2.5	2.32	0.2	0.05	41	1.25	2	0.54	0.02	0.1	6.61	1.16
5191	10/29/2003	0.0025	0.0025	125.63	7.37	0.5	2.24	2.64	0.2	0.05	39.6	0.5	2	0.5	0.02	0.1	6.48	1.08
5199	11/5/2003	0.0025	0.0025	113.72	55.5	0.5	2.25	2.78	0.2	0.05	36.3	2.08	2	0.5	0.0415	0.1	5.59	5.5
5400	5/18/2004	0.0025	0.0025	48.65	40.7	0.5	7.2	2.78	0.2	0.25	15.3	0.5	2	0.672	0.054	0.101	2.53	4.54
5409	5/24/2004	0.0025	0.0025	38.02	277	0.5	8.31	3.58	0.2	0.25	12.1	0.386	2	1.04	0.417	0.21	1.89	10.4
5416	6/1/2004	0.0025	0.0025	75.64	38.3	0.5	12.9	3.35	0.2	0.25	23.4	0.5	2	0.827	0.027	0.1	4.17	3.54
5426	6/8/2004	0.0025	0.0025	99.61	16	0.5	16.3	17.7	0.2	0.25	30.9	0.496	2	0.362	0.034	0.1	5.44	3.24
5434	6/14/2004	0.0025	0.0025	115.64	11	0.5	21.8	4.6	0.2	0.25	35.7	1.61	2	0.512	0.0143	0.1	6.42	2.31
5443	6/21/2004	0.0049	0.0095	126.36	6.49	0.5	23.7	4.62	0.2	0.25	39.1	1.77	2	0.447	0.02	0.1	6.96	1.71
5452	7/1/2004	0.0025	0.0025	130.27	10	0.315	22.7	5.3	0.2	0.25	40.6	0.5	2	0.5	0.02	0.1	7	1.8
5462	7/6/2004	0.0025	0.0025	143.80	7.74	0.5	23.3	5.08	0.2	0.25	44.6	3.04	2	0.5	0.0244	0.1	7.86	2.17
5472	7/13/2004	0.0025	0.0025	145.96	11.6	0.5	28.8	5.85	0.2	0.25	45.1	0.854	2	0.5	0.0161	0.1	8.08	6.09
5482	7/19/2004	0.0025	0.0025	153.92	10	0.5	26.3	5.08	0.2	0.25	47.2	0.5	2	0.5	0.02	0.1	8.74	8.09
5492	7/26/2004	0.0025	0.0025	160.53	7.99	0.5	35.2	5.82	0.2	0.25	49.5	0.5	2	0.5	0.02	0.1	8.95	14.8
5502	8/2/2004	0.0025	0.0025	154.59	10	0.377	34.5	5.85	0.2	0.25	47.4	0.5	2	0.5	0.0131	0.1	8.78	18.1
5512	8/9/2004	0.0025	0.0025	106.81	15	0.5	18.5	4.67	0.2	0.25	33.7	0.5	2	0.5	0.0303	0.172	5.49	9.96
5512	8/16/2004	0.0025	0.0025	95.22	14.9	0.5	14.7	4.26	0.2	0.25	29.9	0.43	2	0.5	0.0209	0.1	4.98	8.49
5522	8/23/2004	0.0025	0.0025	125.46	13.3	0.5	23.5	5.22	0.2	0.25	39.3	0.5	2	0.373	0.0281	0.1	6.62	18.4
5532	8/30/2004	0.0025	0.0025	132.79	121	0.484	51.2	6.58	0.2	0.25	41.1	0.5	2	0.779	0.295	0.44	7.31	49.2
5542	9/7/2004	0.0025	0.0025	140.80	10	0.572	23.9	5.45	0.2	0.25	43.4	0.563	2	0.35	0.0256	0.1	7.86	12.7
5552	9/13/2004	0.0028	0.0025	141.08	10	0.457	95.4	2.85	0.2	0.25	42.9	0.5	2	0.424	0.0193	0.1	8.23	2.32
5562	9/20/2004	0.004	0.0025	140.88	10	0.434	26	6.5	0.2	0.25	43.2	0.5	2	0.318	0.0137	0.1	8	9.56
5572	9/27/2004	0.0025	0.0025	149.25	9.94	0.502	28.8	6.76	0.2	0.25	45.2	0.5	2	0.403	0.0367	0.1	8.82	10
5582	10/4/2004	0.0025	0.0025	132.52	10	0.5	14.5	3.63	0.2	0.25	40.2	0.5	2	0.5	0.0131	0.1	7.79	4.15
5592	10/11/2004	0.0025	0.0025	136.11	7.62	0.5	23.5	6.04	0.2	0.25	42	0.5	2	0.462	0.037	0.1	7.57	6.92
5602	10/21/2004	0.0028	0.0025	134.28	6.54	0.5	19.1	4.77	0.2	0.25	41.3	0.5	2	0.5	0.0247	0.1	7.55	5.11
5612	10/26/2004	0.0036	0.0039	139.42	15.7	0.5	24.3	5.53	0.2	0.25	42.5	0.5	2	0.5	0.0389	0.065	8.07	8.22
5622	11/2/2004	0.003	0.0025	149.40	9.4	0.406	27.2	6.25	0.2	0.25	44.9	0.5	2	0.5	0.0263	0.1	9.04	7.71

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK1A																			
5163	10/1/2003	0.5	5	1	15	250	2.5		0.5	1460	0.0745	0.5	2.5	54.1	10	1.45	10	0.5	1.85
5171	10/8/2003	0.5	5	0.781	15	169	2.5		0.5	1500	0.0727	0.5	2.5	49.6	10	1.28	10	0.5	2.5
5177	10/15/2003	0.5	5	0.827	15	196	2.5		0.5	1520	0.0743	0.5	2.5	34.6	10	1	10	0.5	2.5
5184	10/22/2003	0.5	5	0.75	15	204	2.5		0.5	1440	0.0754	0.5	2.5	35.3	10	1	10	0.5	2.52
5191	10/29/2003	0.5	5	1.18	15	161	2.5		0.5	1520	0.073	0.5	2.5	46.1	10	1	10	0.5	3.34
5199	11/5/2003	0.5	5	0.773	15	250	2.5		0.5	1230	0.0686	0.5	2.5	33.8	10	1	7.11	0.5	2.33
5400	5/18/2004	3.8	5	0.836	100	363	2.5		0.5	1490	0.0416	0.5	0.776	14.6	10	2.5	16.8	0.5	7.92
5409	5/24/2004	3.3	5	1.61	100	299	2.5		0.5	1200	0.0311	0.5	0.5	18.5	10	2.5	26.5	0.5	3.88
5416	6/1/2004	2.1	5	1.3	100	244	2.5		0.5	1530	0.0631	0.5	0.5	23.8	10	2.5	11.7	0.5	12.7
5426	6/8/2004	1.3	5	0.896	100	245	2.5		0.5	1660	0.0836	0.5	0.5	28	10	2.5	7.64	0.5	15.8
5434	6/14/2004	1.6	5	0.973	100	221	2.5		0.5	1800	0.0975	0.5	0.5	28.7	10	2.5	10	0.5	18.9
5443	6/21/2004	0.5	5	1.21	100	200	2.5		0.5	1830	0.112	0.5	0.5	32.9	10	2.5	10	0.5	18.7
5452	7/1/2004	0.5	5	1	100	250	2.5		0.5	1780	0.123	0.5	0.5	56.6	10	2.5	10	0.376	20.2
5462	7/6/2004	0.5	5	1.04	100	170	3.38		0.5	1810	0.129	0.5	0.636	45.4	10	2.5	10	0.5	22.6
5472	7/13/2004	7.2	5	0.869	100	219	2.5		0.5	1930	0.139	0.5	0.5	60.6	10	2.5	10	0.5	25
5482	7/19/2004	0.5	5	0.959	100	250	2.5		0.5	1630	0.142	0.5	0.5	41.9	10	2.5	10	0.32	30.1
5492	7/26/2004	0.5	5	0.977	100	200	2.5		0.5	1860	0.151	0.5	0.5	43.4	10	2.5	10	0.465	33.1
5502	8/2/2004	2.1	5	1	100	224	2.5		0.5	2180	0.149	0.5	0.5	62.3	10	2.5	10	0.34	32.9
5512	8/9/2004	2.5	5	1	100	232	2.5		0.5	1570	0.0988	0.5	0.5	23.4	10	2.5	6.76	0.5	20.1
5512	8/16/2004	1.4	5	1	100	233	2.5		0.5	1710	0.0826	0.5	0.5	27	10	2.5	10	0.5	13.2
5522	8/23/2004	2.1	5	0.808	100	169	2.5		0.5	1790	0.112	0.5	0.5	32.4	10	2.5	10	0.5	22.4
5532	8/30/2004	1.4	5	1	100	192	2.5		0.5	2110	0.127	0.5	0.5	33.7	10	2.5	6.77	0.422	24.6
5542	9/7/2004	1	5	1	100	201	2.5		0.5	1850	0.131	0.5	0.5	44.8	10	2.5	10.8	0.673	21
5552	9/13/2004	1	5	1.25	100	199	2.5		0.5	1820	0.133	0.5	0.5	63.2	10	2.5	10	0.477	24.4
5562	9/20/2004	0.5	5	0.633	100	228	2.5		0.5	1810	0.131	0.5	0.5	50.8	10	2.5	10	0.442	24.3
5572	9/27/2004	0.5	5	0.719	100	227	2.5		0.5	1970	0.142	0.5	0.5	33.9	10	2.5	10	0.452	24.3
5582	10/4/2004	2.1	5	0.729	100	250	2.5		0.5	1150	0.122	0.5	0.5	14.5	10	2.5	10	0.41	26
5592	10/11/2004	2.6	5	1.55	100	259	2.5		0.5	1740	0.128	0.5	0.5	15.4	10	2.5	10	0.31	22.8
5602	10/21/2004	2.8	5	1.03	100	236	2.5		0.5	1660	0.123	0.5	0.5	31.4	10	2.5	10	0.321	19.8
5612	10/26/2004	1.4	5	1.09	100	222	2.5		0.5	1930	0.125	0.5	0.5	40.2	10	2.5	10	0.335	20
5622	11/2/2004	1.2	5	1.07	100	167	2.5		0.5	1830	0.133	0.5	0.5	49.7	10	2.5	10	0.36	23.2

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK1A																			
5163	10/1/2003	2.52	0.2	0.05	37.5	0.5	2	0.5	0.02	0.1	6.07	0.5		5	0.703	15	172	2.5	
5171	10/8/2003	2.5	0.2	0.05	39.6	0.5	2	0.5	0.02	0.1	6.23	0.5		5	1	15	159	2.5	
5177	10/15/2003	2.52	0.2	0.05	40.5	2.5	2	0.496	0.02	0.1	6.38	1.26		5	0.755	15	189	2.5	
5184	10/22/2003	2.53	0.2	0.05	48.3	0.5	2	0.5	0.02	0.1	11.1	0.5		5	1.04	12.38	154	2.5	
5191	10/29/2003	2.63	0.2	0.05	40.7	0.5	2	0.683	0.02	0.278	6.31	0.389		5	1.57	14.4	155	2.5	
5199	11/5/2003	2.72	0.2	0.05	34.8	0.329	2	0.5	0.02	0.1	5.34	0.5		5	0.885	15	152	2.5	
5400	5/18/2004	2.57	0.2	0.25	13	0.5	2	0.878	0.02	0.1	2.25	2.8		5	0.99	100	349	2.5	
5409	5/24/2004	1.96	0.2	0.25	11.6	0.5	2	0.441	0.0209	0.1	1.79	0.5		5	0.689	100	244	2.5	
5416	6/1/2004	3.18	0.2	0.25	21.4	0.5	2	0.473	0.02	0.1	3.77	1.65		5	0.832	100	225	2.5	
5426	6/8/2004	4.39	0.2	0.25	28.6	0.5	2	0.449	0.02	0.1	4.96	1.64		5	0.734	100	237	2.5	
5434	6/14/2004	4.24	0.2	0.25	37.5	1.43	2	0.5	0.02	0.1	6.65	1.09		5	0.894	100	210	2.5	
5443	6/21/2004	4.37	0.2	0.25	38.4	0.323	2	0.5	0.02	0.1	6.58	0.955		5	0.797	100	161	2.5	
5452	7/1/2004	5.45	0.324	0.517	42.4	0.5	2	0.718	0.02	0.646	7.42	1.75		5	1.35	100	203	2.5	
5462	7/6/2004	4.8	0.2	0.25	41.7	3.15	2	0.5	0.02	0.1	7.54	1.32		5	0.74	100	250	2.88	
5472	7/13/2004	5.83	0.2	0.25	40.6	0.424	2	0.5	0.02	0.1	7.26	4.33		5	0.891	100	170	2.5	
5482	7/19/2004	6.03	0.2	0.25	45.6	0.5	2	0.5	0.02	0.1	8.23	7.37		5	0.669	100	250	2.5	
5492	7/26/2004	6.1	0.2	0.25	45.7	0.5	2	0.5	0.02	0.072	8.43	13		5	1.38	100	177	2.5	
5502	8/2/2004	5.29	0.2	0.25	45.1	0.5	2	0.5	0.02	0.1	8.11	15.6		5	1	100	204	2.5	
5512	8/9/2004	4.85	0.2	0.25	32.5	0.5	2	0.681	0.02	0.141	5.22	9.25		5	1	100	249	2.5	
5512	8/16/2004	4.05	0.2	0.25	29.7	0.5	2	0.362	0.02	0.1	4.86	6.22		5	0.749	100	250	2.5	
5522	8/23/2004	4.48	0.2	0.25	37.1	0.5	2	0.326	0.02	0.1	6.68	15.8		5	0.668	100	163	2.5	
5532	8/30/2004	4.67	0.2	0.25	39.7	0.5	2	0.5	0.02	0.1	6.78	20.7		5	1	100	201	2.5	
5542	9/7/2004	4.91	0.2	0.25	37.7	0.5	2	0.379	0.02	0.1	6.95	10.5		5	0.711	100	178	2.5	
5552	9/13/2004	5.75	0.2	0.25	40.5	0.5	2	0.405	0.02	0.1	7.47	10.2		5	1	100	190	2.5	
5562	9/20/2004	6.02	0.2	0.25	39.8	0.5	2	0.336	0.02	0.1	7.43	9.01		5	1.15	100	203	2.5	
5572	9/27/2004	5.57	0.2	0.25	44.9	0.5	2	0.349	0.02	0.1	8.43	7.43		5	1	100	197	2.5	
5582	10/4/2004	6.17	0.2	0.25	42.4	0.5	2	0.5	0.02	0.1	8	6.48		5	1	100	222	2.5	
5592	10/11/2004	5.55	0.2	0.25	41.2	0.813	2	0.363	0.02	0.1	7.47	5.12		5	1.21	100	260	2.5	
5602	10/21/2004	5.36	0.2	0.25	38.8	0.5	2	0.5	0.02	0.1	7.15	4.77		5	1.16	100	256	2.5	
5612	10/26/2004	5.2	0.2	0.25	39.6	0.519	2	0.5	0.0134	0.1	7.54	5.23		5	1.21	100	227	2.5	
5622	11/2/2004	5.32	0.2	0.25	41.8	0.5	2	0.5	0.02	0.1	8.49	5.83		5	1.21	100	250	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK1A												
5163	10/1/2003	0.5	1490	0.0704	0.5	2.5	53.1	10	2.91	3.14	2.44	13%
5171	10/8/2003	0.5	1450	0.0724	0.5	2.5	56.1	10	1	3.16	2.56	11%
5177	10/15/2003	0.5	1460	0.0742	0.5	2.5	36.2	10	1	3.16	2.62	9%
5184	10/22/2003	0.5	1530	0.132	0.5	2.5	44.4	10	1	3.26	3.40	-2%
5191	10/29/2003	0.5	1560	0.0746	0.5	2.5	47.6	10	4.98	3.18	2.62	10%
5199	11/5/2003	0.5	1370	0.0676	0.5	2.5	30.8	10	1	2.82	2.24	12%
5400	5/18/2004	0.5	1490	0.0412	0.5	0.5	12.4	10	2.4	1.24	0.91	15%
5409	5/24/2004	0.5	1080	0.0294	0.5	0.5	8.64	10	2.5	0.94	0.78	9%
5416	6/1/2004	0.5	1450	0.0594	0.5	0.5	19.9	10	1.78	1.90	1.45	14%
5426	6/8/2004	0.5	1640	0.0783	0.5	0.5	29.3	10	2.5	2.40	1.91	11%
5434	6/14/2004	0.5	1710	0.101	0.5	0.5	21.2	10	2.5	2.97	2.50	9%
5443	6/21/2004	0.5	1350	0.11	0.5	0.5	37.3	10	2.5	3.42	2.52	15%
5452	7/1/2004	0.5	1920	0.124	0.5	0.5	56.4	10	2.5	3.41	2.82	10%
5462	7/6/2004	0.5	1690	0.124	0.5	0.492	39.6	10	2.5	2.52	2.78	-5%
5472	7/13/2004	0.5	1950	0.128	0.5	0.5	56.6	10	2.5	3.68	2.72	15%
5482	7/19/2004	0.5	2070	0.14	0.5	0.5	32.2	10	2.5	4.03	3.05	14%
5492	7/26/2004	0.5	1810	0.145	0.4	0.5	45.7	10	2.5	3.97	3.06	13%
5502	8/2/2004	0.5	1930	0.143	0.5	0.5	57.8	10	2.5	4.00	3.01	14%
5512	8/9/2004	0.5	1770	0.0964	0.5	0.5	24.7	10	2.5	2.70	2.14	12%
5512	8/16/2004	0.5	1530	0.0819	0.5	0.5	31.1	10	2.5	2.54	1.96	13%
5522	8/23/2004	0.5	1570	0.107	0.5	0.5	32.5	10	2.5	3.22	2.48	13%
5532	8/30/2004	0.5	2090	0.118	0.5	0.5	34.7	10	5.83	3.60	2.64	15%
5542	9/7/2004	0.5	1720	0.118	0.5	0.5	39	10	2.5	3.80	2.54	20%
5552	9/13/2004	0.5	1700	0.123	0.5	0.5	52.4	10	2.5	4.16	2.72	21%
5562	9/20/2004	0.5	1800	0.123	0.5	0.5	52.3	10	2.5	3.84	2.68	18%
5572	9/27/2004	0.5	1780	0.137	0.5	0.5	27.3	10	2.5	3.83	3.02	12%
5582	10/4/2004	0.5	1700	0.128	0.5	0.5	33.8	10	2.5	3.81	2.86	14%
5592	10/11/2004	0.5	1860	0.126	0.5	0.5	23.3	10	2.5	3.57	2.76	13%
5602	10/21/2004	0.5	1750	0.117	0.5	0.5	39.3	10	2.5	3.40	2.61	13%
5612	10/26/2004	0.5	1750	0.121	0.5	0.5	39.3	10	2.5	2.73	2.68	1%
5622	11/2/2004	0.5	2130	0.126	0.5	0.5	34.4	10	2.5	3.34	2.89	7%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK1A																
5632	11/10/2004	#N/A	Accepted					173	2.1	132	27.5	2.86	0.05		0.05	0.32
5642	11/16/2004	#N/A	Accepted					145	0.9	127	26.2	2.88	0.05		0.05	0.5
5652	11/23/2004	#N/A	Accepted					183	1	123	26.3	2.66	0.05		0.05	0.5
5662	12/6/2004	#N/A	Accepted					146	1	129	27.4	2.68	0.05		0.05	0.5
5672	12/20/2004	#N/A	Accepted					168	0.5	131	28.6	2.54	0.05		0.034	0.5
5677	1/3/2005	#N/A	Accepted					182	0.8	143	29.9	2.6	0.05		0.05	0.5
5686	2/22/2005	#N/A	Accepted					191	0.5	143	35.7	2.43	0.05		0.05	0.05
5699	3/16/2005	#N/A	Accepted					193	0.25	146	37.1	2.39	0.05		0.51	0.05
5707	4/4/2005	#N/A	Accepted					198	0.7	147	37.1	2.78	0.05		0.05	0.05
5716	5/23/2005	#N/A	Accepted			7.90	180	103	8.2	79	13.1	2.31	0.05		0.05	0.05
5727	6/6/2005	#N/A	Accepted			8.10	190	119	2.1	88.5	13.9	2.16	0.05		0.05	0.05
5738	7/5/2005	#N/A	Accepted			8.07	250	163	1.5	122	19.6	2.03	0.039		0.05	0.05
5747	8/1/2005	#N/A	Accepted					179	0.9	136	23.1	2.21	0.05		0.05	0.05
5867	10/30/2006	#N/A	Accepted					128	1.8	96	13.8	2.75	0.05		0.05	0.05
5882	11/6/2006	#N/A	Accepted					116	4.2	114	16.4	2.4	0.05		0.05	0.045
5895	11/13/2006	#N/A	Accepted					66.3	2.7	118	19.9	2.32	0.05		0.05	0.05
5904	11/20/2006	#N/A	Accepted					158	1.9	122	22	2.27	0.05		0.0348	0.075
5912	11/28/2006	#N/A	Accepted					164	1	126	23.7	2.26	0.05		0.0329	0.0485
5920	12/4/2006	#N/A	Accepted					171	0.8	128	23.6	2.34	0.05		0.05	0.0565
5928	12/11/2006	#N/A	Accepted					172	0.6	126	24.7	2.33	0.05		0.05	0.663
5936	12/18/2006	#N/A	Accepted					162	0.8	130	26.5	2.38	0.05		0.05	0.05
5944	12/26/2006	#N/A	Accepted					172	0.9	132	26.9	2.34	0.05		0.0553	0.049
5952	1/16/2007	1070250	Accepted	9.98				174	0.7	141	30.4	2.34	0.05		0.05	0.05
5958	3/5/2007	1070892	Accepted					186	2	146	33.2	2.32	0.05		0.05	0.0655
5966	6/4/2007	1072562	Accepted	8.30				111	2.1	82	13.3	2.2	0.064		0.05	0.05
5974	11/8/2007	1076030	Accepted	7.85		8.04	280	161	4.53	127	21.4	2.82	0.041		0.05	0.0645
	Minimum			7.9	0.0	7.9	180.0	57.5	0.2	32.0	0.1	1.3	0.0	0.1	0.0	0.0
	Maximum			10.0	0.0	8.1	280.0	198.0	30.0	147.0	37.1	4.1	0.1	0.1	0.5	2.9
	Average			8.7	#DIV/0!	8.0	225.0	148.1	2.7	115.6	20.5	2.4	0.0	0.1	0.1	0.4
	Median			8.3	#NUM!	8.1	220.0	156.0	1.2	122.0	21.4	2.4	0.1	0.1	0.1	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK1A																		
5632	11/10/2004	0.0048		155.41	7.25	0.521	33.1	6.46	0.2	0.25	46.4	0.985	2	0.385	0.0527	0.1	9.59	12.9
5642	11/16/2004	0.0026	0.003	155.89	8.95	0.456	27.2	6.38	0.2	0.25	47	0.782	2	0.5	0.0319	0.1	9.34	7.09
5652	11/23/2004	0.0025	0.0025	156.67	10	0.5	25.6	6.2	0.2	0.25	47.1	0.5	2	0.5	0.02	0.1	9.47	6.4
5662	12/6/2004	0.0025	0.0025	151.72	11.8	0.465	29.9	6.22	0.2	0.25	45.2	0.5	2	0.388	0.0281	0.1	9.42	5.91
5672	12/20/2004	0.0025	0.0025	156.83	10	0.503	32.5	6.66	0.2	0.25	46.8	0.5	2	0.323	0.0411	0.1	9.69	4.86
5677	1/3/2005	0.0025	0.005	186.16	10	0.5	28.7	5.61	0.2	0.25	54.9	0.5	2	0.5	0.02	0.1	11.9	3.85
5686	2/22/2005	0.0025	0.0025	180.48	10	0.5	38.5	7.59	0.2	0.25	52.3	1.03	2	0.5	0.02	0.1	12.1	4.49
5699	3/16/2005	0.0025	0.0025	183.21	10	0.5	40.1	7.75	0.2	0.25	52.9	1.59	2	0.5	0.02	0.1	12.4	4.3
5707	4/4/2005	0.0025	0.0025	182.54	10	0.5	38.5	7.8	0.2	0.25	52.3	0.5	2	0.5	0.02	0.1	12.6	4.27
5716	5/23/2005	0.0025	0.0025	91.75	239	0.5	18.3	5.79	0.2	0.25	28.2	2.34	2	0.5	0.421	0.1	5.17	9.33
5727	6/6/2005	0.0025	0.0025	99.91	19	0.5	17	4.78	0.2	0.194	31.2	0.5	2	0.5	0.0405	0.1	5.33	10.1
5738	7/5/2005	0.0025	0.0025	145.83	8.42	0.395	23.5	6.04	0.2	0.25	44.8	0.5	2	0.5	0.0229	0.072	8.23	7
5747	8/1/2005	0.0025	0.0025	162.60	6.5	0.367	27.7	6.37	0.2	0.25	49.9	0.5	2	0.5	0.0303	0.062	9.21	7.46
5867	10/30/2006	0.0025	0.0025	107.16	32.5	0.588	15	3.91	0.137	0.25	34.3	0.5	2	0.319	0.0654	0.1	5.21	9.72
5882	11/6/2006	0.0025	0.0025	125.70	88.9	0.5	19.2	4.28	0.2	0.25	40.3	0.5	2	0.5	0.166	0.1	6.07	12.1
5895	11/13/2006	0.0025	0.0025	135.47	48.2	1.06	20.8	5.87	0.2	0.25	42.4	0.415	2	0.334	0.0742	0.072	7.17	12.4
5904	11/20/2006	0.002	0.0025	138.15	40.2	0.543	21.1	5.98	0.2	0.25	42.7	0.5	2	0.5	0.0716	0.1	7.64	9.33
5912	11/28/2006	0.0025	0.0025	144.95	119	0.914	19.8	6.7	0.2	0.25	44.5	0.5	2	1.93	0.0396	0.1	8.2	6.56
5920	12/4/2006	0.0025	0.0025	147.15	17.1	1.32	24.1	6.79	0.2	0.25	45	0.5	2	0.5	0.0323	0.1	8.43	4.88
5928	12/11/2006	0.002	0.002	145.26	10	0.677	23.3	7.4	0.2	0.25	43.9	0.858	2	0.5	0.0217	0.1	8.64	5.07
5936	12/18/2006	0.0025	0.0025	147.13	13.3	1.15	27	7.32	0.2	0.184	44.4	0.5	2	0.5	0.0226	0.1	8.79	5.24
5944	12/26/2006	0.0025	0.0025	149.13	10	1.36	28.2	7.5	0.2	0.25	44.1	0.5	2	0.342	0.023	0.1	9.46	4.94
5952	1/16/2007	0.0025	0.0025	165.32	9.45	1.76	30.2	7.5	0.2	0.25	48.7	0.5	2	0.312	0.0191	0.1	10.6	4.22
5958	3/5/2007	0.0025	0.0025	171.91	22.4	2.4	36.2	8.98	0.2	0.397	49.2	0.5	2	0.5	0.0472	0.1	11.9	4.82
5966	6/4/2007	0.0025	0.0025	90.88	41.5	0.5	16.8	4.44	0.2	0.25	28	0.5	2	0.5	0.0639	0.1	5.08	3.88
5974	11/8/2007	0.0025	0.0025	149.62	131	0.5	25.5	9.11	0.2	0.25	46.4	1	2	0.483	0.23	0.095	8.18	8.58
	Minimum	0.0	0.0	38.0	6.5	0.3	2.1	2.3	0.1	0.1	12.1	0.4	2.0	0.3	0.0	0.1	1.9	1.1
	Maximum	0.0	0.0	186.2	277.0	2.4	95.4	9.1	0.2	0.4	54.9	3.0	2.0	1.9	0.4	0.4	12.6	49.2
	Average	0.0	0.0	134.9	31.4	0.6	23.7	5.5	0.2	0.2	41.2	0.7	2.0	0.5	0.1	0.1	7.8	7.5
	Median	0.0	0.0	140.8	10.0	0.5	23.5	5.8	0.2	0.3	42.9	0.5	2.0	0.5	0.0	0.1	7.9	6.1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK1A																			
5632	11/10/2004	0.5	5	1.28	100	230	2.5		0.5	1950	0.143	0.5	0.5	66.9	10	2.5	10	0.512	30
5642	11/16/2004	0.5	5	1.34	100	205	2.5		0.5	1860	0.141	0.5	0.5	42	10	2.18	10	0.453	24.9
5652	11/23/2004	0.5	5	1	100	250	2.5		0.5	1740	0.146	0.5	0.5	61.2	10	2.5	10	0.5	28.8
5662	12/6/2004	0.5	5	1.2	100	214	2.5		0.5	2100	0.142	0.5	0.5	14.9	10	2.5	10	0.45	28.6
5672	12/20/2004	0.5	5	1.18	100	207	2.5		0.5	1830	0.155	0.5	0.5	52.7	10	2.5	10	0.441	27.4
5677	1/3/2005	0.5	5	1	100	250	2.5		0.5	1760	0.178	0.5	0.5	17.3	10	2.5	10	0.5	28.2
5686	2/22/2005	0.5	5	1	100	250	2.5		0.5	1930	0.189	0.5	0.5	50.5	10	2.5	10	0.5	36.6
5699	3/16/2005	0.5	5	1	100	250	2.5		0.5	2010	0.187	0.5	0.5	53.4	10	2.5	10	0.5	29.8
5707	4/4/2005	0.5	5	1	100	250	2.5		0.5	1970	0.187	0.5	0.5	24.3	10	2.5	10	0.5	35.7
5716	5/23/2005	1.6	5	1	100	250	2.5		0.5	1660	0.0803	0.5	0.5	33.2	10	2.5	10	0.5	15.5
5727	6/6/2005	2.2	5	1.27	100	225	2.5		0.5	1460	0.0866	0.5	0.5	32	10	2.5	10	0.5	15.1
5738	7/5/2005	0.9	5	1.22	100	158	2.5		0.5	1850	0.134	0.5	0.5	47.8	10	3.46	10	0.327	18.5
5747	8/1/2005	1	5	1.58	100	174	2.5		0.5	1900	0.152	0.5	0.5	42.7	10	2.5	10	0.406	28.3
5867	10/30/2006		5	1.28	100	250	2.5		0.5	1790	0.0817	0.5	0.5	43.9	10	2.5	10	0.363	14.4
5882	11/6/2006		5	1.31	100	172	2.5		0.5	1810	0.0964	0.5	0.5	46.1	10	2.5	10	0.5	13.2
5895	11/13/2006		5	1.87	100	225	2.5		0.5	2180	0.118	0.5	0.5	41.8	10	2.5	10	0.988	18.2
5904	11/20/2006		5	1.58	100	196	2.5		0.5	1910	0.126	0.5	0.5	64.1	10	2.5	10	0.544	19.3
5912	11/28/2006		5	2.09	100	202	2.5		0.5	1990	0.134	0.5	0.5	48.2	10	2.5	10	1.24	19.5
5920	12/4/2006		5	1.26	100	287	2.5		0.5	2000	0.136	0.5	0.5	49.3	10	2.5	10	1.3	21.5
5928	12/11/2006		5	1.77	100	204	2.5		0.5	1870	0.139	0.5	0.34	55.5	10	2.5	10	0.589	24.5
5936	12/18/2006		5	2.22	100	222	2.5		0.5	1980	0.143	0.5	0.5	63.2	10	2.5	10	1.44	25.8
5944	12/26/2006		5	1.57	100	230	2.5		0.5	1910	0.152	0.5	0.5	67.1	10	2.5	10	1.27	25.1
5952	1/16/2007		5	1.58	100	222	2.5	2740	0.5	1860	0.17	0.5	0.5	59.8	10	2.5	10	1.76	29.3
5958	3/5/2007	0	5	1.47	100	342	2.5		0.5	2000	0.185	0.5	0.5	54.4	10	3.38	10	2.32	35.4
5966	6/4/2007	0	5	1.2	100	267	2.5		0.5	1670	0.0815	0.5	0.5	31.2	10	2.5	7.93	0.467	14
5974	11/8/2007	0	5	1.93	100	271	2.5		0.5	2430	0.123	0.5	0.5	51.1	10	3.62	7.38	0.5	23.1
	Minimum	0.0	5.0	0.6	15.0	158.0	2.5	2740.0	0.5	1150.0	0.0	0.5	0.3	14.5	10.0	1.0	6.8	0.3	1.9
	Maximum	7.2	5.0	2.2	100.0	363.0	3.4	2740.0	0.5	2430.0	0.2	0.5	2.5	67.1	10.0	3.6	26.5	2.3	36.6
	Average	1.2	5.0	1.2	91.1	226.9	2.5	2740.0	0.5	1784.7	0.1	0.5	0.7	41.8	10.0	2.4	10.2	0.6	20.6
	Median	0.5	5.0	1.0	100.0	225.0	2.5	2740.0	0.5	1820.0	0.1	0.5	0.5	43.4	10.0	2.5	10.0	0.5	22.4

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK1A																			
5632	11/10/2004	6.05	0.2	0.25	45.4	0.897	2	0.359	0.02	0.1	9.42	9.46		5	1.24	100	236	2.5	
5642	11/16/2004	5.97	0.2	0.25	42.7	0.5	2	0.92	0.02	0.1	8.57	6		5	1.16	100	199	2.5	
5652	11/23/2004	6.4	0.2	0.25	41.2	0.5	2	0.5	0.02	0.1	8.42	5.16		5	1	100	250	2.5	
5662	12/6/2004	6.03	0.2	0.25	41.1	0.5	2	0.351	0.02	0.1	8.55	4.29		5	1.06	100	210	2.5	
5672	12/20/2004	5.3	0.2	0.25	45.9	1.14	2	0.5	0.02	0.1	9.6	3.56		5	1.38	100	182	2.5	
5677	1/3/2005	5.74	0.2	0.25	48.4	0.5	2	0.5	0.02	0.1	10.4	3.04		5	1	100	250	2.5	
5686	2/22/2005	7.08	0.2	0.25	50.8	0.5	2	0.5	0.02	0.1	11.9	4.48		5	1	100	250	2.5	
5699	3/16/2005	6.75	0.2	0.25	51.2	1.78	2	0.5	0.02	0.1	12.1	3.11		5	1	100	250	2.5	
5707	4/4/2005	6.98	0.2	0.25	49.9	0.5	2	0.5	0.02	0.1	12.2	3.21		5	1	100	250	2.5	
5716	5/23/2005	4.08	0.2	0.25	26.1	0.5	2	0.5	0.02	0.1	4.79	2.67		5	1	100	250	2.5	
5727	6/6/2005	3.66	0.2	0.137	27.9	0.5	2	0.5	0.02	0.1	4.8	8.21		5	1.25	100	239	2.5	
5738	7/5/2005	5.38	0.2	0.25	42.7	0.5	2	0.5	0.02	0.1	7.54	5.05		5	0.957	100	250	2.5	
5747	8/1/2005	6.52	0.2	0.25	49.5	0.5	2	0.5	0.02	0.1	9.1	6.31		5	1.36	100	181	2.5	
5867	10/30/2006	3.67	0.2	0.25	34.6	0.5	2	0.5	0.0074	0.1	5.25	7.64		5	1.3	100	250	2.5	
5882	11/6/2006	3.7	0.2	0.25	39.3	0.5	2	0.5	0.0091	0.1	5.94	7.72		5	1.25	100	158	2.5	
5895	11/13/2006	5.55	0.2	0.25	41.8	0.466	2	0.5	0.01	0.1	7.07	9.69		5	1.7	100	218	2.5	
5904	11/20/2006	6.03	0.2	0.25	41.9	0.5	2	0.5	0.01	0.1	7.53	7.17		5	1.57	100	211	2.5	
5912	11/28/2006	6.57	0.2	0.25	44.5	0.5	2	0.5	0.01	0.1	8.16	5.38		5	2.07	100	213	2.5	
5920	12/4/2006	6.74	0.2	0.25	45.3	0.5	2	0.5	0.01	0.1	8.34	4.07		5	1.13	100	305	2.5	
5928	12/11/2006	6.97	0.2	0.25	43.5	0.5	2	0.5	0.01	0.1	8.54	4.06		5	1.58	100	202	2.5	
5936	12/18/2006	8.43	0.2	0.25	45.2	0.5	2	0.5	0.01	0.161	8.99	4.05		5	1.57	100	235	2.5	
5944	12/26/2006	7.09	0.2	0.25	43.4	0.5	2	0.5	0.01	0.1	9.32	3.99		5	1.56	100	226	2.5	
5952	1/16/2007	7.44	0.2	0.25	49.5	0.5	2	0.5	0.01	0.1	10.7	3.78		5	1.9	100	212	2.5	2630
5958	3/5/2007	16.8	0.2	0.153	49	0.5	2	0.5	0.01	0.1	11.9	3.33		5	1.38	100	275	2.5	
5966	6/4/2007	4.2	0.2	0.25	29.6	0.5	2	0.5	0.0097	0.1	5.35	1.68		5	1.17	100	261	2.5	
5974	11/8/2007	7.77	0.2	0.25	45	1	2	0.358	0.008	0.1	8.27	2.38		5	1.92	100	286	2.5	
	Minimum	2.0	0.2	0.1	11.6	0.3	2.0	0.3	0.0	0.1	1.8	0.4	0.0	5.0	0.7	12.4	152.0	2.5	2630.0
	Maximum	16.8	0.3	0.5	51.2	3.2	2.0	0.9	0.0	0.6	12.2	20.7	0.0	5.0	2.1	100.0	349.0	2.9	2630.0
	Average	5.3	0.2	0.2	39.9	0.6	2.0	0.5	0.0	0.1	7.5	5.3	#DIV/0!	5.0	1.1	91.0	220.3	2.5	2630.0
	Median	5.4	0.2	0.3	41.2	0.5	2.0	0.5	0.0	0.1	7.5	4.3	#NUM!	5.0	1.0	100.0	222.0	2.5	2630.0

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK1A												
5632	11/10/2004	0.5	1960	0.14	0.5	0.5	63.1	10	1.78	4.17	3.13	14%
5642	11/16/2004	0.5	1770	0.129	0.5	0.5	44.2	10	3	4.01	2.92	16%
5652	11/23/2004	0.5	1850	0.129	0.5	0.5	48.8	10	2.5	3.94	2.84	16%
5662	12/6/2004	0.5	2060	0.13	0.5	0.5	16.2	10	2.5	4.11	2.85	18%
5672	12/20/2004	0.5	1580	0.149	0.5	0.5	2.5	10	2.5	4.21	3.16	14%
5677	1/3/2005	0.5	1710	0.162	0.5	0.5	50.4	10	2.5	4.52	3.35	15%
5686	2/22/2005	0.5	2010	0.181	0.5	0.5	46	10	2.5	4.79	3.61	14%
5699	3/16/2005	0.5	1620	0.182	0.5	0.5	30.5	10	2.5	4.93	3.63	15%
5707	4/4/2005	0.5	2000	0.179	0.5	0.5	31.8	10	2.5	4.95	3.59	16%
5716	5/23/2005	0.5	1510	0.0735	0.5	0.5	29.5	10	2.5	2.54	1.77	18%
5727	6/6/2005	0.5	1600	0.0767	0.5	0.5	32.5	10	2.5	2.78	1.87	20%
5738	7/5/2005	0.5	1980	0.119	0.5	0.5	38.5	10	1.65	3.75	2.85	14%
5747	8/1/2005	0.5	1850	0.153	0.5	0.5	41.8	10	2.5	3.99	3.31	9%
5867	10/30/2006	0.5	1840	0.083	0.5	0.5	42.7	10	2.5	2.71	2.25	9%
5882	11/6/2006	0.5	1830	0.0963	0.5	0.5	48.9	10	2.5	3.20	2.54	12%
5895	11/13/2006	0.5	2120	0.116	0.5	0.5	46.8	10	2.5	3.46	2.77	11%
5904	11/20/2006	0.5	1950	0.123	0.5	0.5	67.9	10	2.5	3.65	2.80	13%
5912	11/28/2006	0.5	2310	0.132	0.5	0.5	49.3	10	4.98	3.82	3.00	12%
5920	12/4/2006	0.5	2040	0.136	0.5	0.5	48.9	10	2.5	3.85	3.05	12%
5928	12/11/2006	0.5	1930	0.136	0.5	0.5	58.2	10	2.5	3.92	2.96	14%
5936	12/18/2006	0.5	2010	0.146	0.5	0.5	61	10	2.5	4.05	3.09	13%
5944	12/26/2006	0.5	1940	0.148	0.5	0.5	62.7	10	2.5	4.11	3.03	15%
5952	1/16/2007	0.5	2000	0.171	0.5	0.5	62.8	10	2.5	4.47	3.45	13%
5958	3/5/2007	0.5	2030	0.187	0.5	0.5	51.8	10	4.6	4.72	3.52	15%
5966	6/4/2007	0.5	1720	0.0861	0.5	0.315	29.4	10	3.41	2.39	2.00	9%
5974	11/8/2007	0.5	2650	0.122	0.5	0.5	51.6	10	5.88	3.96	3.05	13%
	Minimum	0.5	1080.0	0.0	0.4	0.3	2.5	10.0	1.0			
	Maximum	0.5	2650.0	0.2	0.5	2.5	67.9	10.0	5.9			
	Average	0.5	1788.9	0.1	0.5	0.7	40.5	10.0	2.6			
	Median	0.5	1780.0	0.1	0.5	0.5	39.6	10.0	2.5			

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK1A																
	Count			3	0	4	4	57	57	57	57	57	57	6	57	55

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK1A																		
	Count	57	56	57	57	57	57	56	57	57	57	57	57	57	57	57	57	57

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK1A																			
Count		47	57	57	57	57	57	1	57	57	57	57	57	57	57	57	57	57	57

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D	
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200	
RCK1A																				
Count		57	57	57	57	57	57	57	57	57	57	57	0	57	57	57	57	57	57	1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK1A												
Count		57	57	57	57	57	57	57	57			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.
- Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK1B																
5401	5/18/2004	#N/A	Accepted					86.3	17.5	43	7.01	2.52	0.05		0.05	0.5
5410	5/24/2004	#N/A	Accepted					60	18	34.5	4.89	2.05	0.031		0.05	0.5
5417	6/1/2004	#N/A	Accepted					95	4.4	72	12.3	2.3	0.05		0.05	0.5
5427	6/8/2004	#N/A	Accepted					108	1.2	88	15.7	2.19	0.05		0.05	0.5
5435	6/14/2004	#N/A	Accepted					154	1.5	109	19.6	2.46	0.047		0.05	0.5
5444	6/21/2004	#N/A	Accepted					160	0.3	119	20.8	2.4	0.043		0.05	2.71
5453	7/1/2004	#N/A	Accepted					159	0.2	120	21.3	2.37	0.052		0.05	1.6
5463	7/6/2004	#N/A	Accepted					158	1.9	126	21.7	2.34	0.042		0.05	0.5
5473	7/13/2004	#N/A	Accepted					205	1.4	127	22.9	2.45	0.05		0.05	0.5
5483	7/19/2004	#N/A	Accepted					183	1	134	25.2	2.47	0.037		0.05	1
5494	7/26/2004	#N/A	Accepted					173	1	136	26.3	2.43	0.086		0.05	1
5503	8/2/2004	#N/A	Accepted					181	1	137	24.5	2.25	0.039		0.05	0.5
5513	8/9/2004	#N/A	Accepted					143	4.2	102	15.5	1.96	0.05		0.05	0.5
5513	8/16/2004	#N/A	Accepted					120	2.2	94	15.2	2.05	0.032		0.05	0.5
5523	8/23/2004	#N/A	Accepted					150	0.6	117	19.8	2.18	0.05		0.05	0.5
5533	8/30/2004	#N/A	Accepted					180	11	126	22.9	2.37	0.046		0.05	0.5
5544	9/7/2004	#N/A	Accepted					160	1.3	131	23.8	2.45	0.05		0.05	0.5
5554	9/13/2004	#N/A	Accepted					171	1.1	134	24.7	2.44	0.05		0.067	0.5
5564	9/20/2004	#N/A	Accepted					174	1	129	25.1	2.51	0.034		0.048	0.5
5574	9/27/2004	#N/A	Accepted					313	0.4	125	25.7	2.48	0.05		0.05	0.5
5584	10/4/2004	#N/A	Accepted					113	0.4	129	26.1	2.82	0.05		0.045	
5594	10/11/2004	#N/A	Accepted					145	2.6	120	23.7	3.01	0.033		0.05	
5604	10/21/2004	#N/A	Accepted					151	0.6	110	24.3	3.77	0.05		0.05	0.5
5614	10/26/2004	#N/A	Accepted					136	5.9	110	8.64	0.929	0.05		0.05	1.33
5624	11/2/2004	#N/A	Accepted					165	1.4	129	8.28	1.09	0.05		0.05	0.5
5634	11/10/2004	#N/A	Accepted					188	3	133	29.4	2.82	0.05		0.05	0.5
5644	11/16/2004	#N/A	Accepted					175	0.9	131	28.2	2.7	0.05		0.05	0.5
5654	11/23/2004	#N/A	Accepted					166	0.8	121	28.3	2.74	0.05		0.05	0.5
5664	12/6/2004	#N/A	Accepted					190	1	132	29.3	2.67	0.05		0.05	0.5
5674	12/20/2004	#N/A	Accepted					174	1.9	134	30.2	2.61	0.035		0.05	0.5
5678	1/3/2005	#N/A	Accepted					186	0.9	145	31.6	2.59	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK1B																		
5401	5/18/2004	0.0025	0.0025	51.96	204	0.5	53.1	3.96	0.2	0.25	16	0.5	2	1.06	0.589	0.477	2.91	1.62
5410	5/24/2004	0.0025	0.0025	40.84	340	0.394	58.4	4.5	0.2	0.0735	12.8	0.5	2	1.42	0.897	0.638	2.15	15.1
5417	6/1/2004	0.0025	0.0025	85.63	36.3	0.5	35.4	2.65	0.2	0.25	25.9	0.5	2	0.732	0.0722	0.237	5.08	4.07
5427	6/8/2004	0.0025	0.0025	112.79	12	0.5	29.1	3.55	0.2	0.25	34.2	1.26	2	0.5	0.0251	0.1	6.64	2.59
5435	6/14/2004	0.0025	0.0025	125.82	14.8	0.318	40.5	3.86	0.2	0.25	37.8	1.3	2	0.507	0.0397	0.1	7.62	2.46
5444	6/21/2004	0.0052	0.02	133.38	14.2	0.5	39	4.25	0.2	0.25	40.3	2.08	2	0.403	0.0427	0.1	7.94	1.65
5453	7/1/2004	0.0025	0.0025	137.67	10	0.351	36.3	4.58	0.2	0.25	41.9	0.5	2	0.5	0.02	0.1	8.01	1.72
5463	7/6/2004	0.0025	0.0025	151.62	8.48	0.5	40.2	4.59	0.2	0.25	45.9	3.51	2	0.5	0.02	0.1	8.97	1.95
5473	7/13/2004	0.0025	0.0025	152.65	10	0.5	40.5	4.89	0.2	0.25	46.1	0.78	2	0.5	0.0126	0.1	9.1	4.29
5483	7/19/2004	0.0025	0.0025	159.25	6.68	0.5	40.4	4.76	0.2	0.25	48	0.5	2	0.5	0.02	0.1	9.55	6.93
5494	7/26/2004	0.0025	0.0025	153.82	8.71	0.5	50.4	5.28	0.2	0.25	45.4	0.5	2	0.5	0.02	0.1	9.81	11.9
5503	8/2/2004	0.0025	0.0025	158.25	10	0.363	48.3	5.23	0.2	0.25	47.7	0.5	2	0.5	0.0173	0.1	9.49	15
5513	8/9/2004	0.0025	0.0025	115.98	19.1	0.5	27.1	4.58	0.2	0.25	36	0.5	2	0.5	0.0477	0.172	6.32	10
5513	8/16/2004	0.0025	0.0025	103.05	13.9	0.5	22.7	4.23	0.2	0.25	31.8	0.5	2	0.5	0.0206	0.1	5.73	7.98
5523	8/23/2004	0.0025	0.0025	134.15	9.96	0.5	36.1	4.63	0.2	0.25	41.1	0.5	2	0.464	0.0213	0.1	7.64	14.5
5533	8/30/2004	0.0025	0.0025	142.28	69	0.756	43.2	5.75	0.2	0.25	43.4	0.5	2	1.31	0.209	0.317	8.22	30.4
5544	9/7/2004	0.0025	0.0025	146.76	10	0.505	34.5	4.87	0.2	0.25	44.5	1.02	2	0.5	0.024	0.1	8.64	10.5
5554	9/13/2004	0.0028	0.0025	149.49	10	0.681	2.35	12.9	0.2	0.25	45	0.5	2	0.327	0.0248	0.1	9	4.24
5564	9/20/2004	0.0026	0.0025	145.05	6.73	0.415	37.8	5.83	0.2	0.25	43.8	0.5	2	0.411	0.0142	0.1	8.65	8.47
5574	9/27/2004	0.0025	0.0025	150.03	6.49	0.333	33.4	4.78	0.2	0.25	44	0.5	2	0.402	0.0216	0.1	9.74	6.44
5584	10/4/2004	0.0025	0.0025	148.71	10	0.5	22.2	3.38	0.2	0.25	44.9	0.5	2	0.5	0.02	0.1	8.87	3.41
5594	10/11/2004	0.0025	0.0025	143.69	10	0.317	31.3	5.25	0.2	0.25	43.7	0.5	2	0.432	0.0237	0.1	8.38	5.23
5604	10/21/2004	0.0025	0.0049	140.61	7.47	0.5	29.4	4.91	0.2	0.25	42.6	0.492	2	0.321	0.0243	0.1	8.3	4.91
5614	10/26/2004	0.004	0.0027	140.35	31.6	0.338	36	4.98	0.2	0.25	42.1	0.5	2	0.39	0.0774	0.139	8.54	10.6
5624	11/2/2004	0.0039	0.003	156.23	9.92	0.364	39.5	5.47	0.2	0.25	46.1	0.5	2	0.5	0.0224	0.1	9.97	6.14
5634	11/10/2004	0.0037		164.41	10	0.492	45.7	5.15	0.2	0.058	48.5	0.5	2	0.324	0.0417	0.075	10.5	9.65
5644	11/16/2004	0.0025	0.0025	160.26	7.71	0.405	38.8	5.31	0.2	0.25	47.5	1.25	2	0.357	0.0245	0.1	10.1	5.27
5654	11/23/2004	0.0025	0.0025	162.33	10	0.5	40.2	5.57	0.2	0.25	48	0.5	2	0.5	0.02	0.1	10.3	4.42
5664	12/6/2004	0.0025	0.0025	157.42	8.18	0.421	40.6	5.16	0.2	0.25	46.2	0.5	2	0.377	0.022	0.1	10.2	4.56
5674	12/20/2004	0.0025	0.0025	165.32	10	0.429	43.5	5.11	0.2	0.25	48.7	0.5	2	0.5	0.132	0.1	10.6	3.97
5678	1/3/2005	0.0025	0.0025	126.55	10	0.5	43.2	5.05	0.2	0.25	37.7	0.5	2	0.5	0.02	0.1	7.86	3.21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK1B																			
5401	5/18/2004	2.8	5	1.57	100	369	2.5		0.5	1450	0.0433	0.556	0.5	16.2	10	2.91	16.7	0.5	15.3
5410	5/24/2004	4.6	5	2.03	100	296	2.5		0.5	1200	0.0328	0.5	0.5	20.3	10	3.66	23	0.5	10.5
5417	6/1/2004	2.1	5	1.03	100	243	2.5		0.5	1520	0.0685	0.5	0.5	24.7	10	2.5	11.7	0.432	23.6
5427	6/8/2004	0.5	5	0.896	100	227	2.5		0.5	1650	0.0893	0.5	0.5	32.9	10	2.5	7.48	0.54	27.5
5435	6/14/2004	1.1	5	1.14	100	227	2.5		0.5	1820	0.104	0.5	0.5	34.5	10	2.5	10	0.5	33.1
5444	6/21/2004	1.7	5	1.02	100	202	2.5		0.5	1830	0.118	0.5	0.5	33.5	10	2.5	10	0.5	31.4
5453	7/1/2004	0.5	5	1	100	250	2.5		0.5	1790	0.124	0.5	0.5	59.5	10	2.5	10	0.5	34.4
5463	7/6/2004	0.5	5	1	100	179	3.75		0.5	1820	0.13	0.5	0.608	49.9	10	2.5	10	0.5	37.6
5473	7/13/2004	0.5	5	0.946	100	184	2.5		0.5	1930	0.138	0.5	0.5	58.1	10	2.5	10	0.314	38.8
5483	7/19/2004	2.7	5	0.999	100	250	2.5		0.5	1660	0.141	0.5	0.5	45.2	10	2.5	10	0.346	41.1
5494	7/26/2004	0.5	5	0.983	100	210	2.5		0.5	1890	0.148	0.5	0.5	46.6	10	2.5	10	0.37	47.7
5503	8/2/2004	0.5	5	1	100	227	2.5		0.5	2120	0.147	0.5	0.5	61.8	10	2.5	10	0.345	46.8
5513	8/9/2004	1.2	5	1	100	225	2.5		0.5	1570	0.106	0.5	0.5	22.2	10	2.5	10	0.5	29.9
5513	8/16/2004	1.5	5	1	100	237	2.5		0.5	1770	0.0874	0.5	0.5	27.7	10	2.5	10	0.5	21.9
5523	8/23/2004	0.5	5	1.05	100	171	2.5		0.5	1810	0.114	0.5	0.5	33.2	10	2.5	10	0.5	30.4
5533	8/30/2004	2	5	1	100	210	2.5		0.5	2110	0.125	0.5	0.5	37.6	10	2.5	10	0.372	33.5
5544	9/7/2004	0.5	5	1	100	193	2.5		0.5	1800	0.131	0.5	0.5	40.9	10	2.5	10	0.645	30.6
5554	9/13/2004	1	5	0.749	100	254	2.5		0.5	2130	0.133	0.5	0.5	40.8	10	2.5	10	0.451	36.4
5564	9/20/2004	0.5	5	0.785	100	245	2.5		0.5	1780	0.129	0.5	0.5	53.1	10	2.5	10	0.447	37
5574	9/27/2004	0.5	5	1	100	184	2.5		0.5	1720	0.139	0.5	0.5	33.1	10	2.5	10	0.434	35.5
5584	10/4/2004	1.1	5	0.844	100	250	2.5		0.5	1170	0.13	0.5	0.5	14.8	10	2.5	10	0.396	37.6
5594	10/11/2004	3.2	5	1.45	100	234	2.5		0.5	1740	0.13	0.5	0.5	18.5	10	2.5	10	0.33	31.9
5604	10/21/2004	1.8	5	1.08	100	248	2.5		0.5	1690	0.124	0.5	0.5	34	10	2.5	10	0.322	27.1
5614	10/26/2004	4.7	5	0.997	100	216	2.5		0.5	2060	0.121	0.5	0.5	37.2	10	1.52	10	0.324	31.2
5624	11/2/2004	1.6	5	0.922	100	171	2.5		0.5	1810	0.132	0.5	0.5	48.8	10	2.5	10	0.324	34.5
5634	11/10/2004	1.5	5	1.3	100	229	2.5		0.5	1970	0.14	0.392	0.5	65.4	10	2.5	10	0.474	41.5
5644	11/16/2004	0.5	5	1.31	100	197	2.5		0.5	1780	0.136	0.5	0.5	41.7	10	2.3	10	0.449	38.9
5654	11/23/2004	1.2	5	1	100	250	2.5		0.5	1790	0.142	0.5	0.5	64.1	10	2.5	10	0.5	41
5664	12/6/2004	0.5	5	1.12	100	203	2.5		0.5	2010	0.139	0.5	0.5	15.9	10	2.5	10	0.429	40
5674	12/20/2004	0.5	5	1.04	100	179	2.5		0.5	1680	0.153	0.5	0.5	49.3	10	2.5	10	0.447	41.9
5678	1/3/2005	0.5	5	1	100	250	2.5		0.5	1840	0.154	0.5	0.5	17.5	10	2.5	10	0.5	42.6

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK1B																			
5401	5/18/2004	1.37	0.2	0.25	13.9	0.5	2	0.549	0.02	0.1	2.6	1.07		5	0.794	100	347	2.5	
5410	5/24/2004	1.52	0.2	0.25	11.4	0.5	2	0.514	0.021	0.1	1.92	0.5		5	0.73	100	242	2.5	
5417	6/1/2004	1.87	0.2	0.25	23.6	0.5	2	0.416	0.02	0.1	4.59	1.53		5	0.978	100	226	2.5	
5427	6/8/2004	3.73	0.2	0.25	29.1	0.5	2	0.491	0.02	0.072	5.67	1.71		5	0.838	100	238	2.5	
5435	6/14/2004	3.55	0.2	0.25	39.4	1.5	2	0.5	0.02	0.1	7.78	0.928		5	0.961	100	214	2.5	
5444	6/21/2004	3.04	0.2	0.25	40.6	0.5	2	0.5	0.02	0.1	7.71	0.758		5	0.854	100	164	2.5	
5453	7/1/2004	4.7	0.2	0.25	43.2	0.5	2	0.338	0.02	0.142	8.53	1.07		5	0.871	100	194	2.5	
5463	7/6/2004	4.48	0.2	0.25	44.3	3.02	2	0.5	0.02	0.1	8.87	1.34		5	1.09	100	173	3.65	
5473	7/13/2004	4.89	0.2	0.25	42.7	0.586	2	0.5	0.02	0.1	8.4	3.24		5	0.829	100	169	2.5	
5483	7/19/2004	5.43	0.2	0.25	46.8	0.5	2	0.5	0.02	0.1	8.96	5.76		5	0.629	100	153	2.5	
5494	7/26/2004	5.27	0.2	0.25	45	0.5	2	0.5	0.02	0.1	8.94	10		5	1.27	100	167	2.5	
5503	8/2/2004	5.13	0.2	0.25	45.1	0.5	2	0.5	0.02	0.1	8.73	12.8		5	1	100	228	2.5	
5513	8/9/2004	4.74	0.2	0.25	34.5	0.5	2	0.702	0.02	0.137	5.99	8.5		5	1	100	257	2.5	
5513	8/16/2004	3.85	0.2	0.25	32.3	0.5	2	0.358	0.02	0.1	5.74	5.7		5	1	100	250	2.5	
5523	8/23/2004	4.16	0.2	0.25	39.6	0.5	2	0.5	0.02	0.1	7.64	10.2		5	0.667	100	250	2.5	
5533	8/30/2004	4.32	0.2	0.25	40.7	0.5	2	0.5	0.02	0.1	7.6	17.1		5	1	100	196	2.5	
5544	9/7/2004	4.55	0.2	0.25	40.4	0.5	2	0.5	0.0131	0.1	8.1	8.8		5	1	100	182	2.5	
5554	9/13/2004	5.16	0.2	0.25	40.5	0.5	2	0.38	0.02	0.1	7.99	8.29		5	1	100	186	2.5	
5564	9/20/2004	5.4	0.2	0.25	42	0.5	2	0.315	0.02	0.1	8.38	7.54		5	1.07	100	206	2.5	
5574	9/27/2004	5.1	0.2	0.25	45.8	0.5	2	0.451	0.02	0.1	9.11	6.15		5	1	100	208	2.5	
5584	10/4/2004	5.54	0.2	0.25	43.6	0.5	2	0.343	0.02	0.1	8.7	5.34		5	0.664	100	214	2.5	
5594	10/11/2004	4.93	0.2	0.25	42.3	0.698	2	0.429	0.02	0.1	8.18	4.4		5	1.07	100	249	2.5	
5604	10/21/2004	4.57	0.2	0.25	39.3	0.5	2	0.5	0.02	0.1	7.74	3.78		5	1.05	100	232	2.5	
5614	10/26/2004	4.31	0.2	0.25	38.5	0.5	2	0.5	0.02	0.1	7.94	3.96		5	1	100	209	2.5	
5624	11/2/2004	4.77	0.2	0.25	44.8	0.5	2	0.5	0.02	0.1	9.74	4.48		5	1.22	100	250	2.5	
5634	11/10/2004	4.62	0.2	0.25	46.7	0.5	2	0.5	0.02	0.1	10.2	6.58		5	1.14	100	223	2.5	
5644	11/16/2004	4.99	0.2	0.25	42	0.327	2	0.363	0.02	0.062	9.44	4.31		5	1.3	100	187	2.5	
5654	11/23/2004	5.45	0.2	0.25	40.4	0.5	2	0.5	0.02	0.1	8.82	3.74		5	1	100	250	2.5	
5664	12/6/2004	5.11	0.2	0.25	43.5	0.5	2	0.351	0.02	0.1	9.55	2.94		5	1.28	100	213	2.5	
5674	12/20/2004	4.62	0.2	0.25	47.3	1.06	2	0.5	0.02	0.1	10.4	2.34		5	1.46	100	191	2.5	
5678	1/3/2005	5.14	0.2	0.25	49	0.5	2	0.5	0.02	0.1	11	1.93		5	1	100	250	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK1B												
5401	5/18/2004	0.5	1470	0.0435	0.5	0.5	12.7	10	2.5	1.32	0.98	15%
5410	5/24/2004	0.5	1090	0.0287	0.5	0.5	10.5	10	2.5	1.03	0.78	13%
5417	6/1/2004	0.5	1450	0.0644	0.5	0.5	24.2	10	2.5	2.17	1.63	14%
5427	6/8/2004	0.5	1680	0.0775	0.419	0.5	34.6	10	2.5	2.67	2.00	14%
5435	6/14/2004	0.5	1730	0.104	0.5	0.5	24.1	10	2.5	3.30	2.69	10%
5444	6/21/2004	0.5	1270	0.114	0.5	0.5	35.8	10	2.5	3.72	2.72	15%
5453	7/1/2004	0.5	1830	0.125	0.5	0.5	58.6	10	2.5	3.68	2.95	11%
5463	7/6/2004	0.5	1730	0.129	0.5	0.496	46	10	2.5	3.75	3.02	11%
5473	7/13/2004	0.5	1920	0.131	0.5	0.5	57.2	10	2.5	3.83	2.91	14%
5483	7/19/2004	0.5	2030	0.139	0.5	0.5	32.2	10	2.5	4.13	3.17	13%
5494	7/26/2004	0.5	1720	0.14	0.5	0.5	46.6	10	2.5	4.23	3.06	16%
5503	8/2/2004	0.5	2090	0.14	0.5	0.5	65.4	10	2.5	4.11	3.07	15%
5513	8/9/2004	0.5	1760	0.102	0.5	0.5	28.7	10	2.5	2.93	2.30	12%
5513	8/16/2004	0.5	1580	0.0882	0.5	0.5	30.6	10	2.5	2.76	2.16	12%
5523	8/23/2004	0.5	1480	0.109	0.5	0.5	18.9	10	2.5	3.46	2.68	13%
5533	8/30/2004	0.5	2100	0.118	0.5	0.5	35.5	10	2.5	3.81	2.76	16%
5544	9/7/2004	0.5	1760	0.124	0.5	0.5	38.7	10	2.5	3.96	2.77	18%
5554	9/13/2004	0.5	1600	0.119	0.5	0.5	54	10	2.5	4.07	2.76	19%
5564	9/20/2004	0.5	1780	0.126	0.5	0.5	52.6	10	2.5	3.99	2.87	16%
5574	9/27/2004	0.5	1780	0.136	0.5	0.5	26.3	10	2.5	3.94	3.12	12%
5584	10/4/2004	0.5	1700	0.128	0.5	0.5	39.3	10	2.5	4.01	2.97	15%
5594	10/11/2004	0.5	1810	0.128	0.5	0.5	22.7	10	2.5	3.71	2.87	13%
5604	10/21/2004	0.5	1670	0.116	0.5	0.5	36.9	10	2.5	3.59	2.68	15%
5614	10/26/2004	0.5	1770	0.111	0.5	0.5	41.5	10	2.5	2.77	2.66	2%
5624	11/2/2004	0.5	2090	0.13	0.5	0.5	38.7	10	2.5	3.07	3.14	-1%
5634	11/10/2004	0.5	1860	0.136	0.5	0.5	66.1	10	2.5	4.30	3.26	14%
5644	11/16/2004	0.5	1760	0.128	0.5	0.5	43.7	10	2.89	4.20	2.96	17%
5654	11/23/2004	0.5	1830	0.122	0.5	0.5	50.2	10	2.5	4.00	2.83	17%
5664	12/6/2004	0.5	1980	0.13	0.5	0.5	14.6	10	2.5	4.27	3.05	17%
5674	12/20/2004	0.5	1730	0.146	0.5	0.5	2.5	10	2.5	4.36	3.30	14%
5678	1/3/2005	0.5	1740	0.155	0.5	0.5	52.7	10	2.5	4.65	3.44	15%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK1B																
5687	2/22/2005	#N/A	Accepted					195	0.6	144	36.7	2.41	0.05		0.05	0.05
5701	3/16/2005	#N/A	Accepted					198	0.25	145	38	2.38	0.05		0.05	0.05
5708	4/4/2005	#N/A	Accepted					205	0.25	150	38.2	2.36	0.05		0.05	0.05
5718	5/23/2005	#N/A	Accepted			7.90	185	111	8.2	81	14.9	2.29	0.05		0.05	0.05
5729	6/6/2005	#N/A	Accepted			8.10	205	126	2.5	97	12.5	1.45	0.05		0.05	0.05
5740	7/5/2005	#N/A	Accepted			8.12	265	165	1.2	128	21.6	2.1	0.034		0.05	0.05
5749	8/1/2005	#N/A	Accepted					183	0.25	138	24.9	2.23	0.05		0.05	0.05
5759	9/26/2005	#N/A	Accepted					110	52.8	78	14.4	3.39	0.05		0.05	0.045
5772	10/31/2005	#N/A	Accepted					163	0.9	126	24.6	2.44	0.062		0.0814	0.055
5786	11/17/2005	#N/A	Accepted					170	2.3	136	28	2.37	0.035		0.05	0.058
5800	12/8/2005	#N/A	Accepted					191	0.2	134	31.9	2.37	0.033			0.0485
5814	1/4/2006	#N/A	Accepted					190	0.5	138	35.2	2.29	0.032		0.128	0.05
5828	5/3/2006	#N/A	Accepted					198	0.25	144	35.1	2.83	0.038		0.037	0.0705
5842	8/30/2006	#N/A	Accepted					170	1.3	144	24	2.28	0.05		0.05	0.05
5868	10/30/2006	#N/A	Accepted					139	1.6	111	16.5	2.72	0.05		0.05	0.05

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK1B																		
5687	2/22/2005	0.0025	0.0025	189.11	10	0.5	54.6	6.6	0.2	0.25	54.6	0.5	2	0.5	0.02	0.1	12.8	2.44
5701	3/16/2005	0.0025	0.0025	182.54	10	0.5	55.9	6.22	0.2	0.25	52.3	1.3	2	0.5	0.02	0.1	12.6	1.96
5708	4/4/2005	0.0025	0.0025	182.27	10	1	55.9	5.87	0.2	0.25	51.7	0.5	2	0.5	0.02	0.1	12.9	1.74
5718	5/23/2005	0.0025	0.0025	96.96	155	0.5	30.6	4.88	0.2	0.25	29.2	1.53	2	0.5	0.272	0.1	5.83	6.89
5729	6/6/2005	0.0025	0.0025	109.60	18.5	0.367	33.2	3.91	0.2	0.232	33.4	0.5	2	0.5	0.0541	0.082	6.35	9.06
5740	7/5/2005	0.0025	0.0025	151.24	7.6	0.388	36.6	5	0.2	0.25	45.7	0.5	2	40.9	0.0229	0.1	9	5.63
5749	8/1/2005	0.0025	0.0025	169.60	10	0.352	37	5.36	0.2	0.25	51.4	0.5	2	0.5	0.0158	0.1	10	5.45
5759	9/26/2005	0.0025	0.0025	92.68	447	0.523	109	8.58	0.2	0.25	29.1	0.5	2	1.66	1.46	0.94	4.85	25.6
5772	10/31/2005	0.0025	0.0025	155.27	6.36	0.5	29	4.53	0.2	0.25	46.9	0.5	2	0.5	0.0279	0.1	9.25	6.04
5786	11/17/2005	0.0025	0.0025	171.57	11.4	0.472	36.9	5.67	0.2	0.25	51.2	0.5	2	0.5	0.0448	0.298	10.6	6.37
5800	12/8/2005	0.0025	0.0025	173.10	10	0.564	37.8	6.12	0.2	0.25	50.5	1.37	2	0.341	0.0142	0.1	11.4	3.09
5814	1/4/2006	0.0025	0.0025	177.96	10	0.664	46.9	6.77	0.2	0.25	50.8	0.5	2	0.5	0.0133	0.1	12.4	1.66
5828	5/3/2006	0.0025	0.0025	184.75	10	0.547	46.6	7.46	0.2	0.25	52.2	0.5	2	0.5	0.0129	0.1	13.2	0.962
5842	8/30/2006	0.0025	0.0025	157.97	26.7	0.409	40.5	6.85	0.2	0.25	47.7	0.5	2	0.509	0.0418	0.1	9.42	6.48
5868	10/30/2006	0.0025	0.0025	120.76	31.4	0.31	28.1	3.53	0.2	0.25	37.6	0.5	2	0.342	0.0693	0.1	6.51	8.74

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK1B																			
5687	2/22/2005	0.5	5	1	100	250	2.5		0.5	1880	0.179	0.5	0.5	51	10	2.5	10	0.5	47.7
5701	3/16/2005	1.2	5	1	100	250	2.5		0.5	1950	0.171	0.5	0.5	51	10	2.5	10	0.5	49.8
5708	4/4/2005	0.5	5	1	100	250	2.5		0.5	2010	0.17	0.5	0.5	22.5	10	2.5	10	0.5	53.8
5718	5/23/2005	1.3	5	1	100	250	2.5		0.5	1760	0.0801	0.5	0.5	39.6	10	2.5	10	0.5	24.9
5729	6/6/2005	1.7	5	1.43	100	232	2.5		0.5	1550	0.0889	0.5	0.5	37.3	10	2.5	10	0.5	26
5740	7/5/2005	1	5	1.19	100	160	2.5		0.5	1780	0.133	0.5	1.02	46.7	10	2.5	10	0.5	28.5
5749	8/1/2005	1.2	5	1.55	100	178	2.5		0.5	1820	0.149	0.5	0.5	37.2	10	2.5	10	0.378	39.3
5759	9/26/2005	3.4	5	2.38	100	285	2.5		0.5	1710	0.0688	0.5	0.5	28.3	10	4.67	9.54	0.5	19.8
5772	10/31/2005	1.1	5	1.37	100	152	2.5		0.5	1690	0.13	0.5	0.5	20.5	10	2.5	10	0.5	32
5786	11/17/2005	0.6	5	1.59	100	157	2.5		0.5	1870	0.154	0.5	0.5	38.6	10	2.5	10	0.5	33.9
5800	12/8/2005	0.7	5	1.11	100	256	2.5		0.5	1770	0.16	0.5	0.5	43.4	10	2.5	10	0.569	36.5
5814	1/4/2006	0.8	5	1.13	100	267	2.5		0.5	2190	0.174	0.5	0.5	49.2	10	2.5	6.96	0.666	40.8
5828	5/3/2006	0.7	5	1.3	100	359	1.5		0.5	2170	0.178	0.5	0.5	51.3	10	2.5	10	1.09	44.7
5842	8/30/2006		5	1.34	100	212	2.5		0.5	2070	0.14	0.5	1.17	75.1	10	4.89	10	0.5	34.6
5868	10/30/2006		5	1.37	100	250	2.5		0.5	1860	0.0887	0.5	0.5	46.4	10	2.5	10	0.5	24.3

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK1B																			
5687	2/22/2005	5.02	0.2	0.25	50.9	1.16	2	0.5	0.02	0.1	12.2	1.92		5	1	100	250	2.5	
5701	3/16/2005	5.65	0.2	0.25	51.4	1.76	2	0.5	0.02	0.1	12.5	1.84		5	1	100	250	2.5	
5708	4/4/2005	5.63	0.2	0.25	49.9	0.5	2	0.5	0.02	0.1	12.5	1.36		5	1	100	250	2.5	
5718	5/23/2005	3.59	0.2	0.25	28.5	0.5	2	0.5	0.02	0.1	5.64	2.42		5	1	100	250	2.5	
5729	6/6/2005	3.3	0.2	0.071	29.2	0.5	2	0.5	0.02	0.1	5.57	6.06		5	1.36	100	215	2.5	
5740	7/5/2005	4.64	0.2	0.25	43.6	0.5	2	0.5	0.02	0.1	8.26	4.03		5	0.799	100	250	2.5	
5749	8/1/2005	5.56	0.2	0.25	50.1	0.5	2	0.5	0.02	0.1	9.78	4.89		5	1.29	100	186	2.5	
5759	9/26/2005	3.52	0.2	0.25	29.3	0.5	2	0.374	0.02	0.1	4.91	6.51		5	1.15	100	241	2.5	
5772	10/31/2005	4.6	0.2	0.249	45.8	0.5	2	0.5	0.02	0.1	9.24	5.79		5	1.34	100	180	2.5	
5786	11/17/2005	5.6	0.2	0.093	48.1	0.5	2	0.5	0.02	0.1	10.1	4.95		5	1.5	100	200	2.5	
5800	12/8/2005	5.99	0.2	0.056	50.1	0.5	2	0.779	0.02	0.1	11.3	2.61		5	1.46	100	194	2.5	
5814	1/4/2006	6.51	0.2	0.106	51.7	0.478	2	0.5	0.02	0.1	12.7	1.1		5	0.964	100	210	2.5	
5828	5/3/2006	7.81	0.2	0.262	51.9	1.6	2	0.5	0.02	0.1	13.1	0.795		5	1.46	100	324	2.5	
5842	8/30/2006	6.19	0.2	0.25	49.4	0.5	2	0.5	0.01	0.1	9.51	3.4		5	1.54	100	224	2.5	
5868	10/30/2006	3.44	0.2	0.25	36.7	0.5	2	0.312	0.01	0.1	6.36	6.82		5	1.29	100	160	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK1B												
5687	2/22/2005	0.5	1730	0.164	0.5	0.5	41.9	10	2.5	4.87	3.63	15%
5701	3/16/2005	0.5	1840	0.169	0.5	0.5	32	10	2.5	4.95	3.68	15%
5708	4/4/2005	0.5	1900	0.165	0.5	0.5	26.1	10	2.5	5.06	3.61	17%
5718	5/23/2005	0.5	1550	0.0772	0.5	0.5	31.9	10	2.5	2.68	1.96	15%
5729	6/6/2005	0.5	1520	0.0778	0.5	0.5	30.4	10	2.5	2.86	1.99	18%
5740	7/5/2005	0.5	1960	0.118	0.5	0.5	41	10	2.5	3.97	2.95	15%
5749	8/1/2005	0.5	1850	0.148	0.5	0.5	37.4	10	2.5	4.12	3.39	10%
5759	9/26/2005	0.5	1960	0.0709	0.5	0.5	34.5	10	1.54	2.39	1.96	10%
5772	10/31/2005	0.5	1700	0.128	0.5	0.5	44.8	10	2.5	3.87	3.13	11%
5786	11/17/2005	0.5	1800	0.142	0.5	0.5	38.7	10	2.5	4.25	3.32	12%
5800	12/8/2005	0.5	1640	0.16	0.5	0.338	44.1	10	2.5	4.41	3.51	11%
5814	1/4/2006	0.5	1990	0.18	0.5	0.5	58.9	10	2.5	4.66	3.72	11%
5828	5/3/2006	0.5	2120	0.177	0.5	0.5	46.8	10	2.5	4.79	3.77	12%
5842	8/30/2006	0.5	1920	0.144	0.5	0.5	67	10	2.5	4.19	3.34	11%
5868	10/30/2006	0.5	1890	0.0876	0.5	0.5	46	10	2.5	3.15	2.44	13%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK1B																
5884	11/6/2006	#N/A	Accepted					136	2.5	118	19.5	2.43	0.05		0.0443	0.059
5896	11/13/2006	#N/A	Accepted					120	2.2	124	22.5	2.34	0.05		0.044	0.064
5905	11/20/2006	#N/A	Accepted					160	1.2	128	24.1	2.31	0.05		0.0353	0.048
5913	11/28/2006	#N/A	Accepted					162	0.8	130	25.3	2.27	0.05		0.0331	0.0455
5921	12/4/2006	#N/A	Accepted					170	0.5	134	26	2.25	0.05		0.05	0.069
5929	12/11/2006	#N/A	Accepted					170	0.6	132	26.4	2.35	0.05		0.05	0.0805
5937	12/18/2006	#N/A	Accepted					169	0.3	130	28.1	2.42	0.05		0.05	0.05
5945	12/26/2006	#N/A	Accepted					186	0.5	137	28.3	2.35	0.05		0.0714	0.055
5953	1/16/2007	1070250	Accepted	10.17				190	0.4	136	31.7	2.37	0.05		0.05	0.0335
5959	3/5/2007	1070892	Accepted					190	1.4	148	34	2.34	0.05		0.05	0.068
5967	6/4/2007	1072562	Accepted	8.18				121	2.9	87	15.3	2.22	0.066		0.05	0.05
5975	11/8/2007	1076030	Accepted	7.95		8.08	310	123	2.21	136	31.5	2.37	0.05		0.05	0.0505
	Minimum			8.0	0.0	7.9	185.0	60.0	0.2	34.5	4.9	0.9	0.0	0.0	0.0	0.0
	Maximum			10.2	0.0	8.1	310.0	205.0	52.8	150.0	38.2	3.8	0.1	0.0	0.1	2.7
	Average			8.8	#DIV/0!	8.1	241.3	158.3	3.1	121.2	23.7	2.4	0.0	#DIV/0!	0.1	0.4
	Median			8.2	#NUM!	8.1	235.0	165.0	1.2	129.0	24.6	2.4	0.1	#NUM!	0.1	0.5
	Count			3	0	4	4	57.0	58	58	58	58	58	0	57	56

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK1B																		
5884	11/6/2006	0.0025	0.0025	135.67	88.7	0.5	35.9	4.36	0.2	0.25	42.2	0.5	2	0.31	0.184	0.068	7.34	11.8
5896	11/13/2006	0.0025	0.0025	140.05	39.6	0.87	32.7	5.23	0.2	0.25	42.9	0.5	2	0.373	0.0648	0.067	7.98	9.9
5905	11/20/2006	0.0025	0.0025	142.20	30.4	0.527	33.3	5.48	0.2	0.25	43.2	0.5	2	0.5	0.056	0.1	8.32	7.42
5913	11/28/2006	0.0025	0.0025	147.88	17.1	0.904	31.6	5.43	0.2	0.25	44.7	0.5	2	0.364	0.0343	0.16	8.79	5.15
5921	12/4/2006	0.0025	0.0025	153.06	13.7	1.13	34.5	6.05	0.2	0.25	46.1	0.5	2	0.5	0.027	0.1	9.2	4.42
5929	12/11/2006	0.0025	0.002	150.76	7.54	0.451	37.5	6.71	0.2	0.25	44.9	0.846	2	0.5	0.0219	0.1	9.37	4.57
5937	12/18/2006	0.0025	0.0025	153.50	9.13	0.983	39.9	6.67	0.2	0.156	45.7	0.5	2	0.5	0.0147	0.1	9.55	4.36
5945	12/26/2006	0.0025	0.0025	152.27	10	1.1	40.6	6.65	0.2	0.25	44.5	0.5	2	0.5	0.0287	0.079	9.98	4.24
5953	1/16/2007	0.0025	0.0025	165.05	8.03	1.46	42.3	6.24	0.2	0.25	48.1	0.5	2	0.318	0.0145	0.1	10.9	3.23
5959	3/5/2007	0.0025	0.0025	182.52	21.4	1.92	57.6	10.4	0.2	0.471	51.8	0.5	2	0.5	0.0562	0.067	12.9	5.2
5967	6/4/2007	0.0025	0.0049	101.70	28.5	0.5	23.9	3.97	0.2	0.25	30.9	0.5	2	0.5	0.0469	0.1	5.95	3.97
5975	11/8/2007	0.0017	0.0025	167.52	30.5	1.38	55.2	6.68	0.2	0.25	48.1	1	2	0.5	0.0677	0.1	11.5	10.7
Minimum		0.0	0.0	40.8	6.4	0.3	22.2	2.7	0.2	0.1	12.8	0.5	2.0	0.3	0.0	0.1	2.2	1.0
Maximum		0.0	0.0	189.1	447.0	1.9	109.0	12.9	0.2	0.5	54.6	3.5	2.0	1.7	1.5	0.9	13.2	30.4
Average		0.0	0.0	143.5	34.9	0.6	40.4	5.5	0.2	0.2	42.8	0.7	2.0	0.5	0.1	0.1	8.9	6.7
Median		0.0	0.0	150.4	10.0	0.5	38.8	5.2	0.2	0.3	44.9	0.5	2.0	0.5	0.0	0.1	9.0	5.2
Count		58	57	58	58	58	57	58	58	58	58	58	58	57	58	58	58	58

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK1B																			
5884	11/6/2006		5	1.49	100	208	2.5		0.5	1870	0.1	0.5	0.5	51.5	10	2.5	10	0.5	27.4
5896	11/13/2006		5	1.76	100	199	2.5		0.5	2110	0.116	0.5	0.5	46.5	10	2.5	10	0.839	30
5905	11/20/2006		5	1.59	100	216	2.5		0.5	1920	0.124	0.5	0.5	69	10	2.5	10	0.441	29
5913	11/28/2006		5	1.95	100	193	2.5		0.5	1890	0.131	0.5	0.5	46.6	6.68	5.11	10	0.879	29.2
5921	12/4/2006		5	1.21	100	275	2.5		0.5	2030	0.135	0.5	0.5	50.1	10	2.5	10	1.16	34.8
5929	12/11/2006		5	1.71	100	217	2.5		0.5	1970	0.139	0.5	0.5	55.9	10	2.5	10	0.42	35.5
5937	12/18/2006		5	2.41	100	235	2.5		0.5	2010	0.143	0.5	0.5	63.6	10	2.5	10	1.27	36.7
5945	12/26/2006		5	1.64	100	253	2.5		0.5	1930	0.147	0.5	0.5	69.9	10	2.5	10	1.04	37.3
5953	1/16/2007		5	1.53	100	223	2.5	2690	0.5	1790	0.16	0.5	0.5	57.3	10	2.5	7.85	1.36	42.5
5959	3/5/2007	0	5	1.51	100	361	2.5		0.5	2130	0.182	0.5	0.5	62.6	10	4.92	10	1.76	52.2
5967	6/4/2007	0	5	1.43	100	270	2.5		0.5	1680	0.0894	0.5	0.5	28.9	10	2.5	6.8	0.313	23.1
5975	11/8/2007	1.05	5	1.84	100	249	2.5		0.5	2110	0.14	0.5	0.5	56.2	10	3.32	10	1.27	51.7
	Minimum	0.0	5.0	0.7	100.0	152.0	1.5	2690.0	0.5	1170.0	0.0	0.4	0.5	14.8	6.7	1.5	6.8	0.3	10.5
	Maximum	4.7	5.0	2.4	100.0	369.0	3.8	2690.0	0.5	2190.0	0.2	0.6	1.2	75.1	10.0	5.1	23.0	1.8	53.8
	Average	1.2	5.0	1.3	100.0	231.3	2.5	2690.0	0.5	1835.0	0.1	0.5	0.5	42.7	9.9	2.7	10.2	0.6	34.8
	Median	1.0	5.0	1.1	100.0	230.5	2.5	2690.0	0.5	1820.0	0.1	0.5	0.5	44.3	10.0	2.5	10.0	0.5	34.7
	Count	47	58	58	58	58	58	1	58	58	58	58	58	58	58	58	58	58	58




ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK1B																			
5884	11/6/2006	3.62	0.2	0.25	43.3	0.5	2	0.5	0.01	0.1	7.56	6.55		5	1.39	100	183	2.5	
5896	11/13/2006	4.92	0.2	0.25	44.3	0.5	2	0.5	0.01	0.1	8.17	7.55		5	1.7	100	188	2.5	
5905	11/20/2006	5.19	0.2	0.25	41.9	0.5	2	0.5	0.01	0.1	8.15	5.68		5	1.55	100	198	2.5	
5913	11/28/2006	5.88	0.2	0.25	45.7	0.5	2	0.5	0.01	0.1	8.96	4.21		5	2.08	100	199	2.5	
5921	12/4/2006	6.34	0.2	0.25	46.6	0.5	2	0.5	0.01	0.1	9.16	3.46		5	1.15	100	251	2.5	
5929	12/11/2006	6.22	0.2	0.25	44	0.5	2	0.5	0.01	0.1	9.15	3.47		5	1.78	100	204	2.5	
5937	12/18/2006	6.7	0.2	0.25	45.5	0.5	2	0.5	0.01	0.0835	9.5	3.35		5	1.64	100	243	2.5	
5945	12/26/2006	6.28	0.2	0.25	43.7	0.5	2	0.5	0.01	0.1	9.83	3.38		5	1.52	100	228	2.5	
5953	1/16/2007	6.77	0.2	0.25	49.5	0.5	2	0.5	0.01	0.109	11.2	2.76		5	1.91	100	213	2.5	2610
5959	3/5/2007	7.99	0.2	0.25	50.4	0.5	2	0.5	0.01	0.1	12.6	2.15		5	1.34	100	266	2.5	
5967	6/4/2007	4.26	0.2	0.25	30.7	0.5	2	0.5	0.0073	0.186	5.89	2.08		5	1.26	100	285	2.5	
5975	11/8/2007	6.58	0.2	0.25	47.3	1	2	0.317	0.01	0.1	11.4	8.17		5	1.76	100	269	2.5	
Minimum		1.4	0.2	0.1	11.4	0.3	2.0	0.3	0.0	0.1	1.9	0.5	0.0	5.0	0.6	100.0	153.0	2.5	2610.0
Maximum		8.0	0.2	0.3	51.9	3.0	2.0	0.8	0.0	0.2	13.1	17.1	0.0	5.0	2.1	100.0	347.0	3.7	2610.0
Average		4.9	0.2	0.2	41.7	0.6	2.0	0.5	0.0	0.1	8.6	4.6	#DIV/0!	5.0	1.2	100.0	221.2	2.5	2610.0
Median		5.0	0.2	0.3	43.6	0.5	2.0	0.5	0.0	0.1	8.8	3.9	#NUM!	5.0	1.1	100.0	214.5	2.5	2610.0
Count		58	58	58	58	58	58	58	58	58	58	58	0	58	58	58	58	58	1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK1B												
5884	11/6/2006	0.5	1890	0.105	0.5	0.5	54.3	10	2.5	3.44	2.87	9%
5896	11/13/2006	0.5	2080	0.119	0.5	0.5	47.2	10	2.5	3.72	2.98	11%
5905	11/20/2006	0.5	1920	0.119	0.5	0.5	65.1	10	2.5	3.88	2.85	15%
5913	11/28/2006	0.5	2390	0.132	0.5	0.5	47.6	10	3.68	3.98	3.13	12%
5921	12/4/2006	0.5	2140	0.135	0.5	0.5	51.5	10	2.5	4.10	3.18	13%
5929	12/11/2006	0.5	1950	0.134	0.5	0.5	58.2	10	2.5	4.08	3.04	15%
5937	12/18/2006	0.5	1990	0.142	0.5	0.5	61.2	10	2.5	4.13	3.15	14%
5945	12/26/2006	0.5	1890	0.144	0.5	0.5	63.7	10	2.5	4.28	3.08	16%
5953	1/16/2007	0.5	2070	0.162	0.5	0.5	60.1	10	2.5	4.44	3.49	12%
5959	3/5/2007	0.5	2050	0.179	0.5	0.5	61.2	10	2.5	4.80	3.65	14%
5967	6/4/2007	0.5	1850	0.0888	0.5	0.5	26.4	10	2.5	2.60	2.11	10%
5975	11/8/2007	0.5	2260	0.138	0.5	0.5	49.4	10	2.5	4.66	3.41	16%
Minimum		0.5	1090.0	0.0	0.4	0.3	2.5	10.0	1.5			
Maximum		0.5	2390.0	0.2	0.5	0.5	67.0	10.0	3.7			
Average		0.5	1821.4	0.1	0.5	0.5	41.5	10.0	2.5			
Median		0.5	1830.0	0.1	0.5	0.5	41.7	10.0	2.5			
Count		58	58	58	58	58	58	58	58			

Highlighting Legend for Data columns

	Highlights datapoints to be excluded from analyses due to unexplained contamination.
	Possibly suspect data, but could be explained by analytical error or sample variability.
	Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK2																
5103	8/13/2003	#N/A	Accepted					160	2.86	115	28.2	2.41	0.037	0.05	0.05	0.05
5111	8/20/2003	#N/A	Accepted					174	1.19	120	32.7	2.46	0.034	0.05	0.05	0.05
5119	8/27/2003	#N/A	Accepted					163	20.5	108	27.3	2.32	0.034	0.05	0.05	0.05
5127	9/3/2003	#N/A	Accepted					174	5.4	114	30.3	2.34	0.035	0.05	0.05	0.05
5135	9/10/2003	#N/A	Accepted					170	5	123	32.3	2.49	0.044	0.05	0.072	0.05
5144	9/17/2003	#N/A	Accepted					178	1.3	126	34	2.46	0.039	0.05	0.05	0.05
5152	9/24/2003	#N/A	Accepted					178	2.4	119	33.7	2.38	0.039	0.05	0.05	0.5
5160	10/1/2003	#N/A	Accepted					141	4.6	114	29.6	2.83	0.0375	0.05	0.05	0.5
5168	10/8/2003	#N/A	Accepted					181	47.3	121	33	2.53	0.035	0.05	0.042	0.5
5175	10/15/2003	#N/A	Accepted					179	111	127	33.8	2.59	0.037	0.05	0.033	0.5
5183	10/22/2003	#N/A	Accepted					183	26.6	130	36.9	2.65	0.032	0.05	0.05	0.5
5198	11/5/2003	#N/A	Accepted					149	24	102	26.8	2.54	0.032	0.05	0.05	0.5
5207	11/12/2003	#N/A	Accepted					166	3	122	40.6	4.02	0.032	0.05	0.05	0.5
5215	11/19/2003	#N/A	Accepted					183	2.8	124	37.7	2.59	0.035	0.05	0.052	0.62
5223	11/25/2003	#N/A	Accepted					118	1.9	128	34.2	2.5	0.034	0.05	0.05	0.5
5230	12/3/2003	#N/A	Accepted					176	1.1	128	34.8	2.48	0.037	0.05	0.08	1.75
5384	5/3/2004	#N/A	Accepted					75	149	37	7.72	4.9	0.036		0.05	0.5
5391	5/11/2004	#N/A	Accepted					76.3	6.7	53	13.6	2.92	0.039		0.05	0.5
5399	5/17/2004	#N/A	Accepted					66.3	28.2	32	6.81	2.13	0.031		0.05	0.5
5408	5/24/2004	#N/A	Accepted					72.5	22.1	37.5	7.68	2.07	0.05		0.05	0.5
5415	6/1/2004	#N/A	Accepted					100	1.2	70	16.3	2.24	0.05		0.05	0.5
5425	6/7/2004	#N/A	Accepted					110	1	84	20	2.23	0.036		0.05	0.5
5433	6/14/2004	#N/A	Accepted					153	0.5	101	25.6	2.54	0.044		0.05	0.5
5442	6/21/2004	#N/A	Accepted					155	2.9	113	27.9	2.43	0.047		0.114	1.83
5451	7/1/2004	#N/A	Accepted					161	1.17	114	28.9	2.84	0.034		0.05	1.04
5461	7/6/2004	#N/A	Accepted					164	0.9	122	30	2.63	0.048		0.05	1.5
5481	7/19/2004	#N/A	Accepted					208	0.6	138	34	2.52	0.049		0.05	1
5491	7/26/2004	#N/A	Accepted					185	0.4	127	35.8	2.6	0.038		0.05	1
5501	8/2/2004	#N/A	Accepted					208	0.6	113	36.2	2.6	0.035		0.073	0.5
5511	8/9/2004	#N/A	Accepted					145	12.1	104	22.4	2.08	0.059		0.05	0.5
5511	8/16/2004	#N/A	Accepted					145	53	98	23	2.05	0.047		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK2																		
5103	8/13/2003	0.0078	0.0025	146.22	13.9	0.5	84.9	4.79	0.2	0.05	43.1	0.745	2	0.77	0.0169	3.01	9.36	2.33
5111	8/20/2003	0.0025	0.0025	159.08	7.36	0.5	89.2	4.16	0.2	0.05	46.7	1.47	2	0.526	0.02	0.1	10.3	0.618
5119	8/27/2003	0.0025	0.0025	144.98	38.5	0.923	82.6	4.94	0.2	0.05	43	0.5	2	0.845	0.102	0.352	9.12	11.8
5127	9/3/2003	0.0025	0.0025	154.60	28	0.5	83.7	4.63	0.2	0.05	45.4	0.5	2	0.703	0.0816	0.23	10	8.1
5135	9/10/2003	0.0025	0.0025	159.67	35.4	0.957	87.6	4.39	0.2	0.05	47.1	0.506	2	0.737	0.108	0.329	10.2	11
5144	9/17/2003	0.0025	0.0025	169.82	15.1	0.745	76.3	4.23	0.2	0.05	50.5	0.782	2	0.464	0.0367	0.1	10.6	4.25
5152	9/24/2003	0.0025	0.0025	174.32	10.8	0.787	81.7	4.54	0.2	0.05	52.3	0.5	2	0.876	0.0631	0.1	10.6	7.88
5160	10/1/2003	0.0025	0.0025	149.50	53	0.719	75.5	4.79	0.2	0.05	44	1.06	2	0.52	0.107	0.188	9.61	12.6
5168	10/8/2003	0.0025	0.0025	155.85	1070	1.3	155	14.4	0.2	0.05	45.9	0.5	2	0.5	1.62	2.24	10	65.2
5175	10/15/2003	0.0025	0.0025	164.30	237	1.51	135	9.96	0.2	0.109	47.8	1.25	1.4	2.05	0.49	2.93	10.9	96.9
5183	10/22/2003	0.0025	0.00391	171.52	36.8	0.815	85.6	4.33	0.2	0.05	49.7	1.25	2	0.944	0.0999	0.43	11.5	11.5
5198	11/5/2003	0.0025	0.0025	132.45	71.5	0.686	82.3	4.64	0.2	0.05	39.4	1.23	2	0.457	0.185	0.736	8.26	24.5
5207	11/12/2003	0.0025	0.0025	163.21	8.77	0.657	63.6	4.05	0.2	0.05	47.2	0.43	2	0.412	0.0205	0.1	11	3.21
5215	11/19/2003	0.0025	0.0025	163.14	7.55	0.712	65.9	4.46	0.2	0.05	47.5	0.5	2	0.733	0.0149	0.26	10.8	2.6
5223	11/25/2003	0.0025	0.0025	159.49	10	0.793	69	4.6	0.2	0.05	46.7	0.5	2	3.07	0.0155	0.197	10.4	3.49
5230	12/3/2003	0.0025	0.0025	160.08	10	0.73	75.8	4.56	0.2	0.05	47.1	0.5	2	0.519	0.02	0.1	10.3	2.3
5384	5/3/2004	0.0025	0.0025	49.39	1760	1.57	392	18.7	0.2	0.0615	14	1.37	2.51	5.71	5.48	6.5	3.5	136
5391	5/11/2004	0.0025	0.0025	65.22	180	0.71	84	3.93	0.2	0.106	19.1	1.24	2	1.24	0.552	0.618	4.25	12.2
5399	5/17/2004	0.0025	0.0025	35.62	151	0.487	85.8	3.9	0.2	0.25	10.6	0.549	2	1.3	0.447	0.992	2.22	23.9
5408	5/24/2004	0.0025	0.0025	47.06	89.7	0.441	60.4	2.53	0.2	0.25	14.4	0.5	2	0.912	0.268	0.59	2.69	12.2
5415	6/1/2004	0.0025	0.0025	86.39	26	0.618	67.6	2.53	0.2	0.25	25.3	0.5	2	0.507	0.0595	0.177	5.63	4.68
5425	6/7/2004	0.0025	0.0025	107.24	28.8	1.07	88.5	3.92	0.2	0.25	31.7	0.5	2	0.7	0.0561	0.097	6.81	1.5
5433	6/14/2004	0.0025	0.0025	127.25	13.9	1.03	91.6	3.48	0.2	0.25	37.5	1.17	2	0.476	0.0185	0.1	8.15	2
5442	6/21/2004	0.0049	0.011	129.24	154	2.02	107	5.46	0.143	0.09	38	0.578	2	0.751	0.367	0.372	8.33	11.4
5451	7/1/2004	0.0025	0.0025	140.08	7.54	1.18	83.8	4.09	0.2	0.25	41.3	0.5	2	0.5	0.02	0.1	8.96	1.01
5461	7/6/2004	0.0025	0.0025	155.76	11.3	1.03	86.8	4.06	0.2	0.25	45.7	3.33	2	0.5	0.02	0.1	10.1	1.11
5481	7/19/2004	0.0025	0.0025	165.82	6.88	1.05	85.6	4.46	0.2	0.25	48.9	0.5	2	0.5	0.02	0.1	10.6	2.18
5491	7/26/2004	0.0025	0.0025	170.23	6.29	1.09	98	4.9	0.2	0.25	50.5	0.5	2	0.315	0.156	0.1	10.7	0.878
5501	8/2/2004	0.0025	0.0025	160.16	9.9	1.2	99.4	5.51	0.2	0.25	46.8	0.5	2	0.5	0.0311	0.12	10.5	4.5
5511	8/9/2004	0.0025	0.0025	120.00	145	0.913	101	5.68	0.2	0.25	35.8	0.605	2	0.636	0.253	0.661	7.42	15.1
5511	8/16/2004	0.0025	0.0025	115.52	1050	1.81	143	13.9	0.2	0.25	33.6	1.82	2	1.75	1.69	1.86	7.67	31.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK2																			
5103	8/13/2003	1.1	5	1	15	265	2.5	2810	0.5	2030	0.128	0.5	2.5	38.4	10	1	10.1	0.5	87.9
5111	8/20/2003	1.1	5	1.53	15	266	2.5	2380	0.5	2130	0.136	0.5	2.5	33.4	10	1	10	0.5	87.8
5119	8/27/2003	4.9	5	1	15	265	2.5		0.5	1800	0.122	0.5	2.5	5.91	10	3.01	6.77	1.02	69.1
5127	9/3/2003	2.6	5	1	15	263	2.5		0.5	2060	0.137	0.5	2.5	28.4	10	1	10	0.838	74.2
5135	9/10/2003	3.7	5	1.33	15	228	2.5		0.5	1900	0.137	0.5	2.5	21.9	10	1	10	0.5	78.3
5144	9/17/2003	2.5	5	2.13	15	224	2.5		0.5	1710	0.14	0.5	2.5	29.6	10	1	10	0.825	72.9
5152	9/24/2003	0.5	5	1	15	218	2.5		0.5	1760	0.132	0.5	2.5	20.8	10	4.74	10	0.814	74
5160	10/1/2003	1.8	5	1.08	15	266	2.5		0.5	1920	0.126	0.5	2.5	57.7	10	5.27	7.72	0.783	62.6
5168	10/8/2003	5.2	5	4.21	43.2	523	2.5		0.5	2210	0.135	0.5	2.5	86.7	10	6.72	13.5	0.887	68.8
5175	10/15/2003	3.7	5	3.48	31.1	278	2.5		0.5	2000	0.135	0.5	2.5	65.8	10	4.19	6.25	0.825	68.3
5183	10/22/2003	1.6	5	1.46	15	304	2.5		0.5	1870	0.14	0.5	2.5	57.8	10	1	10	0.734	69.1
5198	11/5/2003	5.3	5	1.86	15	205	2.5		0.5	1640	0.112	0.5	2.5	39.2	10	1	7.48	0.712	56.1
5207	11/12/2003	1.2	5	1.19	15	223	2.5		0.5	1910	0.134	0.5	2.5	56	10	1	10	0.664	60.5
5215	11/19/2003	1.4	5	1.05	15	228	2.5		0.5	2000	0.13	0.5	2.5	48.8	10	4.15	10	0.717	65.7
5223	11/25/2003	1.3	5	1.07	15	201	2.5		0.5	1900	0.134	0.5	2.5	52.5	10	1.2	10	0.682	63.5
5230	12/3/2003	0.5	5	0.973	23.9	206	2.5		0.5	1930	0.129	0.5	2.5	47.4	10	1.53	10	0.78	71.7
5384	5/3/2004	7.3	5	7.52	82.5	904	2.5		0.5	2580	0.048	0.5	0.5	31.2	10	14.6	15.7	0.5	35.6
5391	5/11/2004	6	5.06	1.71	100	467	4.76		0.5	1860	0.0639	0.802	1.42	18.3	10	3.44	13	0.448	52.8
5399	5/17/2004	5.7	5	2.74	106	336	2.5		0.5	1290	0.0356	0.5	0.5	11	10	4.59	22.4	0.347	42.8
5408	5/24/2004	5.3	5	1.34	100	252	2.5		0.5	1300	0.0392	0.5	0.5	13.9	10	2.5	17.8	0.5	36.8
5415	6/1/2004	3.3	5	1.08	100	249	2.5		0.5	1630	0.0716	0.5	0.5	25.9	10	2.5	10	0.671	60.8
5425	6/7/2004	2	5	1.13	100	346	2.5		0.5	1930	0.0927	0.5	0.5	42.5	10	2.5	7.09	0.844	69.7
5433	6/14/2004	1.2	5	1.24	100	299	2.5		0.5	1940	0.107	0.5	0.5	32.3	10	2.5	10	0.783	80.3
5442	6/21/2004	1.2	3.42	1.59	100	304	2.5		0.5	2060	0.118	0.5	0.5	52.6	10	2.5	10	0.918	77.8
5451	7/1/2004	1.6	5	0.706	100	249	2.5		0.5	2210	0.129	0.5	0.5	58.4	10	1.76	10	1.15	81.6
5461	7/6/2004	0.5	5	1.07	100	275	3.83		0.5	1980	0.136	0.5	0.657	46.9	10	2.5	6.47	1.13	88.9
5481	7/19/2004	0.5	5	1.05	100	239	2.5		0.5	1880	0.148	0.5	0.5	46.2	10	2.5	6.23	1.24	93.6
5491	7/26/2004	0.5	5	1.02	100	291	2.5		0.5	2110	0.151	0.5	0.5	44.4	10	2.5	10	1.28	93
5501	8/2/2004	1.7	5	1	100	296	2.5		0.5	2400	0.147	0.5	0.5	57.5	10	2.5	10	1.15	88
5511	8/9/2004	2.9	5	1	100	336	2.5		0.5	1970	0.11	0.5	0.5	35.3	10	2.5	32.3	0.982	74.5
5511	8/16/2004	2.4	5	2.87	100	524	2.5		0.5	2290	0.104	0.5	0.5	35	10	3.86	10	1.08	57.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK2																			
5103	8/13/2003	4.53	0.2	0.05	43.8	0.559	2	0.746	0.02	0.147	9.46	1.13		5	1	15	281	2.5	
5111	8/20/2003	4.64	0.2	0.05	48.1	0.366	2	0.949	0.02	0.08	10.6	0.345		5	1.35	15	278	2.5	
5119	8/27/2003	4.54	0.238	0.112	42.8	0.5	2	0.788	0.02	0.18	9.2	1.74		7.89	1	15	242	3.01	
5127	9/3/2003	4.18	0.2	0.05	45.1	0.5	2	0.61	0.02	0.1	10	1.24		5	1	15	228	2.5	
5135	9/10/2003	4.16	0.2	0.05	42.3	1.24	2	0.663	0.02	0.1	9.78	1.55		5	1	15	249	2.5	
5144	9/17/2003	4.07	0.2	0.05	47.6	0.956	2	0.39	0.02	0.1	10.3	1.04		5	1.92	15	214	2.5	
5152	9/24/2003	4.35	0.2	0.05	50.3	0.563	2	0.541	0.02	0.1	10.3	1.27		5	1.13	15	211	2.5	
5160	10/1/2003	4.19	0.2	0.05	41.9	0.5	2	0.433	0.02	0.1	9.3	3.02		5	1.03	15	255	2.5	
5168	10/8/2003	4.63	0.2	0.05	46.6	0.5	2	0.447	0.02	0.1	10.2	2.26		5	1.13	15	265	2.5	
5175	10/15/2003	4.25	0.2	0.05	48.2	0.5	2	0.635	0.02	0.1	10.5	2.67		5	1.25	15.1	282	2.5	
5183	10/22/2003	4.12	0.2	0.05	47.6	0.5	2	0.5	0.02	0.1	10.8	0.599		5	1.41	14	239	2.5	
5198	11/5/2003	3.16	0.2	0.05	37.3	0.5	2	0.5	0.02	0.1	7.82	0.5		5	1.31	15	213	2.5	
5207	11/12/2003	3.81	0.2	0.05	44.1	0.5	2	0.355	0.02	0.1	10.5	0.489		5	1.01	11.8	243	2.5	
5215	11/19/2003	4.35	0.2	0.05	46	0.5	2	0.5	0.02	0.1	10.5	0.851		5	1.01	15	241	2.5	
5223	11/25/2003	4.14	0.2	0.05	44.6	0.5	2	0.395	0.02	0.1	9.85	2.1		5	1.08	15	230	2.5	
5230	12/3/2003	4.62	0.2	0.05	45.6	0.5	2	0.399	0.02	0.1	9.99	1.77		5	1.21	15	219	2.5	
5384	5/3/2004	1.5	0.2	0.25	12.2	0.5	2	0.5	0.0814	0.1	2.76	7.54		5	0.921	100	587	2.5	
5391	5/11/2004	2.52	0.2	0.25	18.5	0.5	2	0.72	0.0478	0.077	4.08	2.65		5	1.46	100	425	2.5	
5399	5/17/2004	1.13	0.2	0.25	10.5	0.5	2	0.847	0.0638	0.1	2.2	3.03		5	1.01	100	318	2.5	
5408	5/24/2004	1.39	0.2	0.25	13.6	0.5	2	0.554	0.0535	0.1	2.66	1.04		5	0.907	100	256	2.5	
5415	6/1/2004	2.21	0.2	0.25	23.7	0.5	2	0.465	0.02	0.1	5.2	0.92		5	0.933	100	233	2.5	
5425	6/7/2004	3.03	0.2	0.25	29.2	0.5	2	0.436	0.02	0.1	6.28	0.315		5	1	100	262	2.5	
5433	6/14/2004	3.41	0.2	0.25	37.8	1.44	2	0.348	0.02	0.1	8.37	0.343		5	1.1	100	278	2.5	
5442	6/21/2004	3.34	0.2	0.25	37.5	0.5	2	1.36	0.02	0.1	8.48	0.5		5	0.903	100	246	2.5	
5451	7/1/2004	4.08	0.2	0.25	43.3	0.5	2	0.5	0.02	0.1	9.35	0.445		5	1.09	100	279	2.5	
5461	7/6/2004	4.28	0.2	0.25	43.5	3.44	2	0.5	0.02	0.1	9.86	0.526		5	0.925	100	271	2.46	
5481	7/19/2004	4.99	0.2	0.25	46.3	0.5	2	0.5	0.02	0.1	9.7	1.02		5	0.727	100	235	2.5	
5491	7/26/2004	4.44	0.2	0.25	45.6	0.5	2	0.5	0.02	0.065	9.84	0.626		5	1.2	100	256	2.5	
5501	8/2/2004	4.37	0.2	0.25	47.2	0.5	2	0.5	0.02	0.107	9.95	0.908		5	1	62.3	280	2.5	
5511	8/9/2004	3.52	0.2	0.25	35.5	0.5	2	0.718	0.02	0.13	7.35	4.73		5	1	100	284	2.5	
5511	8/16/2004	4.21	0.2	0.25	34.3	0.5	2	0.376	0.02	0.1	7.07	5.2		5	1.1	100	165	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK2												
5103	8/13/2003	0.5	2120	0.129	0.5	2.5	41.7	10	1	3.84	3.07	11%
5111	8/20/2003	0.5	2250	0.137	0.5	2.5	38.1	10	1.47	4.18	3.38	10%
5119	8/27/2003	0.5	1820	0.122	0.978	2.5	8.7	10	1	3.65	2.98	10%
5127	9/3/2003	0.5	1870	0.136	0.5	2.5	20.1	10	1	3.93	3.17	11%
5135	9/10/2003	0.5	2050	0.134	0.5	2.5	35.9	10	1	4.22	3.02	17%
5144	9/17/2003	0.5	1740	0.137	0.5	2.5	24.7	10	1	4.36	3.31	14%
5152	9/24/2003	0.5	1860	0.129	0.5	2.5	17.8	10	1	4.24	3.45	10%
5160	10/1/2003	0.5	1890	0.122	0.5	2.5	56.1	10	3.89	3.93	2.95	14%
5168	10/8/2003	0.5	1980	0.134	0.5	2.5	69.2	10	1	4.25	3.26	13%
5175	10/15/2003	0.5	1910	0.133	0.5	2.5	57.9	10	1.53	4.41	3.36	13%
5183	10/22/2003	0.5	1970	0.131	0.5	2.5	55.3	10	1	4.63	3.36	16%
5198	11/5/2003	0.5	1650	0.107	0.5	2.5	36.4	10	1	3.54	2.59	16%
5207	11/12/2003	0.5	1890	0.126	0.5	2.5	59.6	10	1	4.70	3.16	20%
5215	11/19/2003	0.5	1980	0.126	0.5	2.5	50.2	10	1.86	4.56	3.26	17%
5223	11/25/2003	0.5	1730	0.122	0.5	2.5	51	10	1	4.45	3.12	18%
5230	12/3/2003	0.5	1970	0.128	0.5	2.5	41.4	10	2.13	4.57	3.19	18%
5384	5/3/2004	0.5	2340	0.0416	0.5	0.5	10.4	10	2.5	1.28	0.96	15%
5391	5/11/2004	0.5	1930	0.0607	0.5	0.5	17.2	10	2.5	1.87	1.36	16%
5399	5/17/2004	0.5	1340	0.0345	0.5	0.5	9.93	10	2.5	1.08	0.78	16%
5408	5/24/2004	0.5	1260	0.037	0.5	0.5	11.5	10	2.5	1.23	0.96	12%
5415	6/1/2004	0.5	1470	0.0685	0.5	0.5	23.5	10	2.5	2.34	1.68	16%
5425	6/7/2004	0.5	1610	0.0848	0.5	0.5	30.8	10	2.5	2.81	2.05	16%
5433	6/14/2004	0.5	1830	0.107	0.5	0.5	24.5	10	2.5	3.46	2.67	13%
5442	6/21/2004	0.5	1470	0.116	0.5	0.5	44.2	10	2.5	3.91	2.64	19%
5451	7/1/2004	0.5	2250	0.128	0.5	0.5	58.3	10	2.39	3.93	3.04	13%
5461	7/6/2004	0.5	2020	0.133	0.5	0.474	47.9	10	2.5	4.18	3.08	15%
5481	7/19/2004	0.5	2330	0.139	0.5	0.5	29.2	10	1.65	4.67	3.22	18%
5491	7/26/2004	0.5	1950	0.142	0.5	0.5	44.4	10	2.5	4.55	3.18	18%
5501	8/2/2004	0.5	2260	0.142	0.5	0.5	57.3	10	2.53	4.26	3.28	13%
5511	8/9/2004	0.5	1930	0.11	0.5	0.5	27.1	10	2.5	3.34	2.47	15%
5511	8/16/2004	0.5	1900	0.104	0.5	0.5	31.3	10	2.5	3.25	2.38	15%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK2																
5521	8/23/2004	#N/A	Accepted					156	6.2	117	26.3	2.31	0.051		0.05	0.5
5531	8/30/2004	#N/A	Accepted					170	2.2	122	26.9	2.35	0.05		0.231	0.5
5541	9/7/2004	#N/A	Accepted					165	0.7	130	31.2	2.46	0.032		0.05	0.5
5551	9/13/2004	#N/A	Accepted					183	1.1	132	32.7	2.58	0.031		0.05	0.5
5561	9/20/2004	#N/A	Accepted					188	1.2	124	33.2	2.66	0.05		0.038	0.5
5571	9/27/2004	#N/A	Accepted					186	0.6	126	34.2	2.75	0.05		0.05	0.5
5581	10/4/2004	#N/A	Accepted					180	1.1	126	34.5	2.87	0.05		0.05	
5591	10/11/2004	#N/A	Accepted					169	0.7	119	31.7	3.06	0.05		0.05	
5601	10/21/2004	#N/A	Accepted					129	0.7	108	35.8	4.01	0.05		0.05	0.5
5611	10/25/2004	#N/A	Accepted					160	8.7	110	35.9	3.9	0.05		0.05	0.39
5621	11/1/2004	#N/A	Accepted					169	2.2	116	38.8	3.67	0.05		0.05	0.93
5631	11/9/2004	#N/A	Accepted					243	1.9	166	53.3	4.53	0.05		0.07	0.5
5641	11/16/2004	#N/A	Accepted					181	2.92	124	38.5	3.04	0.05		0.05	0.5
5651	11/22/2004	#N/A	Accepted					198	0.4	121	38.4	3	0.05		0.05	0.5
5661	12/6/2004	#N/A	Accepted					163	0.25	129	39.9	2.99	0.1		0.05	0.5
5671	12/20/2004	#N/A	Accepted					186	0.4	129	40.3	2.78	0.05		0.05	0.67
5715	5/16/2005	#N/A	Accepted			7.90	160	45	162	61	14.4	2.42	0.05		0.05	0.25
5726	6/6/2005	#N/A	Accepted			8.10	205	128	27.7	87	19.7	2.29	0.05		0.05	0.05
5737	7/5/2005	#N/A	Accepted			7.93	270	160	4.04	122	26.6	2.24	0.037		0.05	0.053
5746	8/1/2005	#N/A	Accepted					186	0.417	133	31.7	2.36	0.031		0.05	0.05
5756	9/26/2005	#N/A	Accepted					106	27.9	72	20	3.78	0.05		0.0334	0.0435
5769	10/31/2005	#N/A	Accepted					144	3.3	115	34.4	2.79	0.051		0.0831	0.041
5783	11/16/2005	#N/A	Accepted					190	6	132	38.8	2.77	0.044		0.05	0.0485
5839	8/30/2006	#N/A	Accepted					191	20.8	136	33.8	2.47	0.054		0.05	0.05
5853	10/19/2006	#N/A	Accepted					138	19.5	36	26.4	3.11	0.053		0.0425	0.065
5866	10/30/2006	#N/A	Accepted					129	4.8	92	24.8	3.12	0.05		0.0336	0.0345
5881	11/6/2006	#N/A	Accepted					142	7.7	104	28.3	2.75	0.05		0.0362	0.0375
5894	11/13/2006	#N/A	Accepted					140	1.1	112	32	2.68	0.05		0.0336	0.05
5901	11/20/2006	#N/A	Accepted					155	3.5	120	32.1	2.55	0.05		0.05	0.0465
5909	11/28/2006	#N/A	Accepted					186	1.5	120	33.6	2.52	0.05		0.0438	0.07
5917	12/4/2006	#N/A	Accepted					179	1	126	33.8	2.62	0.05		0.05	0.041

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK2																		
5521	8/23/2004	0.0025	0.0025	130.25	217	0.581	107	6.84	0.2	0.25	38.8	1.15	2	0.755	0.441	0.487	8.09	25.1
5531	8/30/2004	0.0025	0.0025	146.40	19.3	0.943	82.6	4.59	0.2	0.25	43.6	0.5	2	0.523	0.0532	0.1	9.1	11.8
5541	9/7/2004	0.0025	0.0025	150.46	11.5	0.959	81.3	4.66	0.2	0.25	44.5	0.533	2	0.522	0.0368	0.1	9.54	7.02
5551	9/13/2004	0.0025	0.0025	151.15	10	0.547	26.1	6.11	0.2	0.25	44.2	0.5	2	0.399	0.02	0.1	9.89	12.5
5561	9/20/2004	0.0029	0.0025	148.21	10	0.881	77.9	4.98	0.2	0.25	43.6	0.5	2	0.488	0.02	0.1	9.54	3.6
5571	9/27/2004	0.0025	0.0025	160.23	27	1.21	86.8	5.43	0.2	0.0665	46.5	0.5	2	0.831	0.072	0.258	10.7	5.12
5581	10/4/2004	0.0025	0.0025	152.81	73.7	0.888	84.5	4.77	0.2	0.25	44.7	0.5	2	0.666	0.174	0.207	9.99	6.05
5591	10/11/2004	0.0025	0.0025	148.46	11.2	0.78	77.4	4.3	0.2	0.25	43.6	0.5	2	0.573	0.0427	0.072	9.6	3.97
5601	10/21/2004	0.0025	0.0025	149.49	22.3	0.693	66.7	4.03	0.2	0.25	43.7	0.409	2	0.371	0.0681	0.154	9.79	5.73
5611	10/25/2004	0.0027	0.004	152.76	41.3	0.719	86.7	4.7	0.2	0.25	44.5	0.5	2	0.434	0.127	0.346	10.1	9.85
5621	11/1/2004	0.0025	0.0025	162.37	11.8	0.699	78.3	4.49	0.2	0.25	46.7	0.5	2	0.33	0.0383	0.303	11.1	3.44
5631	11/9/2004	0.003	0.0035	225.71	19.9	1.01	101	5.58	0.2	0.25	64.8	2.07	2	1.69	0.0282	0.103	15.5	4.74
5641	11/16/2004	0.0025	0.0025	166.28	15.4	0.776	77.5	4.75	0.2	0.25	48.1	1.51	2	0.576	0.0588	0.188	11.2	5.57
5651	11/22/2004	0.0025	0.0029	168.85	10	0.772	71	4.22	0.2	0.25	48.8	0.5	2	0.337	0.02	0.1	11.4	1.81
5661	12/6/2004	0.0025	0.0025	165.10	10	0.766	77	4.03	0.2	0.25	47.3	0.5	2	0.434	0.02	0.1	11.4	1.46
5671	12/20/2004	0.0025	0.0025	163.87	10	0.904	76.9	4.35	0.2	0.25	47.3	0.5	2	0.349	0.0209	0.1	11.1	0.362
5715	5/16/2005	0.0025	0.0025	84.58	3380	0.5	170	40.2	0.2	0.25	24.1	3.99	2	5.53	4.93	3.08	5.92	43.1
5726	6/6/2005	0.0025	0.0025	103.21	720	0.709	76.3	10.3	0.2	0.25	30.4	0.765	2	1.16	0.859	0.67	6.62	10.5
5737	7/5/2005	0.0025	0.0025	152.20	19.1	1.07	83.7	4.55	0.2	0.25	45	0.5	2	0.506	0.0296	0.126	9.66	3.69
5746	8/1/2005	0.0025	0.0025	170.07	10	0.93	83.6	4.63	0.2	0.25	50.6	0.5	2	0.5	0.02	0.1	10.6	1.45
5756	9/26/2005	0.0025	0.0025	92.44	648	0.956	153	9.58	0.2	0.25	27.9	0.5	2	2.12	1.83	1.49	5.52	30.8
5769	10/31/2005	0.0025	0.0025	155.01	17.2	0.542	68.5	3.6	0.2	0.25	45.4	0.5	2	0.5	0.0734	0.128	10.1	5.1
5783	11/16/2005	0.0025	0.0025	177.59	23.8	0.808	76.7	4.5	0.2	0.158	51.8	0.5	2	0.415	0.1	0.525	11.7	13.1
5839	8/30/2006	0.0025	0.0025	164.14	529	1.25	147	10.1	0.2	0.25	47.9	0.5	2	1.79	1.16	1.31	10.8	37.7
5853	10/19/2006	0.0025	0.0025	117.50	215	1.06	77.4	5.9	0.2	0.25	34.9	0.5	2	1.19	0.483	0.389	7.36	23.1
5866	10/30/2006	0.0025	0.0025	112.93	102	0.724	67.2	4.36	0.2	0.25	33.5	0.5	2	0.679	0.231	0.258	7.1	13.3
5881	11/6/2006	0.0025	0.0025	135.85	206	0.5	85.3	5.58	0.2	0.25	40.4	0.5	2	0.688	0.423	0.362	8.48	17.1
5894	11/13/2006	0.0025	0.0025	141.52	29.3	1.11	68.8	4.11	0.2	0.25	41.5	0.789	2	0.392	0.0449	0.116	9.19	2.73
5901	11/20/2006	0.0025	0.0025	145.34	85.6	0.351	81.5	5.1	0.2	0.25	42.7	0.5	2	0.464	0.175	0.253	9.39	6.42
5909	11/28/2006	0.0025	0.0025	154.85	28.3	1.13	70.3	4.72	0.2	0.25	45.5	0.5	2	0.363	0.0625	0.126	10	2.78
5917	12/4/2006	0.0025	0.0025	158.33	21.6	1.22	74.3	4.54	0.2	0.25	46.4	0.741	2	0.413	0.0395	0.073	10.3	1.87

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK2																			
5521	8/23/2004	2.4	5	1.94	100	283	2.5		0.5	2120	0.119	0.5	0.5	25.3	10	2.14	10	0.784	74.3
5531	8/30/2004	1.1	5	1	100	237	2.5		0.5	2220	0.135	0.5	0.5	36.5	10	2.5	10	0.84	73.8
5541	9/7/2004	0.5	5	1	100	241	2.5		0.5	2040	0.135	0.5	0.5	46.1	10	2.5	10	0.982	67
5551	9/13/2004	1.2	5	1.02	100	199	2.5		0.5	1850	0.132	0.5	0.5	51	10	2.5	10	0.946	80.5
5561	9/20/2004	0.5	5	0.742	100	260	2.5		0.5	1940	0.128	0.5	0.5	53.1	10	2.5	10	0.918	78.5
5571	9/27/2004	1.2	5	0.693	100	244	1.68		0.5	2100	0.139	0.5	1.04	38.3	10	2.5	10	0.924	77.4
5581	10/4/2004	1.1	5	0.859	100	231	2.5		0.5	1950	0.134	0.5	0.5	36.2	10	2.5	10	0.858	78.9
5591	10/11/2004	3.2	5	1.77	100	235	2.5		0.5	1850	0.127	0.5	0.5	18.4	10	2.5	10	0.788	76.8
5601	10/21/2004	2.9	5	1.12	100	222	2.5		0.5	1790	0.126	0.5	0.5	37.8	10	2.5	10	0.731	63.2
5611	10/25/2004	2.4	5	1.24	100	228	2.5		0.5	2020	0.128	0.5	0.5	43.2	10	2.5	10	0.694	64.6
5621	11/1/2004	3	5	1.19	100	193	2.5		0.5	2000	0.134	0.5	0.5	50.7	10	2.5	10	0.813	76.3
5631	11/9/2004	1.9	5	2.08	100	272	2.5		0.5	2790	0.186	0.5	0.5	44.5	10	2.2	10	0.981	97.9
5641	11/16/2004	1.4	5	1.53	100	220	2.5		0.5	1990	0.137	0.5	0.5	42	10	2.33	10	0.775	68.9
5651	11/22/2004	0.5	5	1.44	100	210	2.5		0.5	1950	0.141	0.5	0.5	67	10	2.5	10	0.809	76.3
5661	12/6/2004	0.5	5	1.4	100	224	2.5		0.5	2210	0.135	0.5	0.5	17.3	10	2.5	10	0.776	74.6
5671	12/20/2004	0.5	5	1.24	100	196	2.5		0.5	2000	0.139	0.5	0.5	53.3	10	2.5	10	0.817	69.9
5715	5/16/2005	10.2	5	5.6	100	619	2.5		0.5	2030	0.0702	0.5	0.5	88.7	10	11.4	29	0.5	38.4
5726	6/6/2005	4.2	5	1.78	100	298	2.5		0.5	1730	0.0884	0.5	0.5	49	10	2.5	10	0.479	39.8
5737	7/5/2005	2.3	5	1.4	100	240	2.5		0.5	1870	0.137	0.5	0.5	45.7	10	5.32	10	1	73
5746	8/1/2005	1.2	5	1.51	100	243	2.5		0.5	1920	0.148	0.5	0.5	38.4	10	5.47	10	1.09	88.9
5756	9/26/2005	3.7	5	2.78	100	314	2.5		0.5	1930	0.0732	0.5	0.5	34.2	10	5.88	11.5	0.486	51.5
5769	10/31/2005	1.4	5	1.51	100	181	2.5		0.5	1880	0.128	0.5	0.5	60.6	10	1.7	10	0.683	65.7
5783	11/16/2005	1.5	5	1.91	100	213	2.5		0.5	2030	0.15	0.5	0.5	39.7	10	8.51	10	0.674	66.1
5839	8/30/2006		5	3.11	100	360	2.5		0.5	2250	0.142	0.5	0.5	80.7	10	10.8	12.9	0.922	89.2
5853	10/19/2006		5	2.1	100	349	2.5		0.5	2020	0.0995	0.5	0.5	37.4	10	2.5	11.7	0.995	53.5
5866	10/30/2006		5	1.62	100	180	2.5		0.5	1970	0.0895	0.5	0.357	43	10	3.44	10	0.64	54.5
5881	11/6/2006		5	1.85	100	250	2.5		0.5	1950	0.106	0.5	0.5	48.5	10	2.91	7.44	0.5	62.2
5894	11/13/2006		5	1.56	100	258	2.5		0.5	2310	0.117	0.5	0.5	43.8	10	3.17	10	1.04	63.9
5901	11/20/2006		5	1.68	100	264	2.5		0.5	2090	0.122	0.5	0.5	62.8	10	2.55	10	0.5	63.5
5909	11/28/2006		5	2.17	100	229	2.5		0.5	2000	0.131	0.5	0.5	46.5	10	6.28	10	1.06	66.2
5917	12/4/2006		5	1.02	100	367	2.5		0.5	2130	0.132	0.5	0.5	47.3	10	6.12	10	1.45	74.6

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK2																			
5521	8/23/2004	3.77	0.2	0.25	38.3	0.5	2	0.4	0.02	0.1	8.33	6.44		5	0.894	100	205	2.5	
5531	8/30/2004	4.3	0.2	0.25	38	0.5	2	0.5	0.02	0.1	8.03	8.07		5	1	100	237	2.5	
5541	9/7/2004	4.24	0.2	0.25	39.2	0.5	2	0.379	0.02	0.1	8.58	4.77		5	1	100	221	2.5	
5551	9/13/2004	4.69	0.2	0.25	41.5	0.501	2	0.453	0.02	0.1	9.04	3.96		5	1	100	215	2.5	
5561	9/20/2004	4.8	0.2	0.25	41	0.5	2	0.512	0.02	0.1	9.07	3.54		5	0.99	100	227	2.5	
5571	9/27/2004	4.15	0.2	0.25	45.2	0.5	2	0.512	0.02	0.1	10	2.33		5	1	100	224	2.5	
5581	10/4/2004	4.32	0.2	0.25	43.7	0.5	2	0.442	0.02	0.1	9.75	1.5		5	0.938	100	215	2.5	
5591	10/11/2004	3.86	0.2	0.25	41.7	0.953	2	0.583	0.02	0.1	9.23	1.49		5	1.46	100	228	2.5	
5601	10/21/2004	3.67	0.2	0.25	40.1	0.933	2	0.311	0.02	0.1	9.1	2.06		5	1.12	100	223	2.5	
5611	10/25/2004	3.81	0.2	0.25	42.1	0.421	2	0.318	0.02	0.1	9.31	2.26		5	1.31	100	231	2.5	
5621	11/1/2004	4.1	0.2	0.25	45.4	1.59	2	0.37	0.02	0.1	10.7	1.47		5	1.12	100	222	2.5	
5631	11/9/2004	5.43	0.2	0.25	60.4	3.42	2	0.807	0.02	0.1	14.5	3.12		5	1.92	100	272	2.5	
5641	11/16/2004	4.11	0.2	0.25	44.7	1.69	2	0.329	0.02	0.1	10.5	2.63		5	1.42	100	201	2.5	
5651	11/22/2004	4.43	0.2	0.25	42.7	0.5	2	2.97	0.02	0.1	10.3	1.46		5	1.83	100	217	2.5	
5661	12/6/2004	4.22	0.2	0.25	43	0.5	2	0.456	0.02	0.1	10.3	0.6		5	1.3	100	229	2.5	
5671	12/20/2004	3.55	0.2	0.25	49.7	1.77	2	0.5	0.02	0.1	11.7	0.5		5	1.54	100	196	2.5	
5715	5/16/2005	4.52	0.2	0.25	22.1	0.5	2	0.5	0.0491	0.1	4.81	14.1		5	1	100	250	2.5	
5726	6/6/2005	3.68	0.2	0.25	26.9	0.5	2	0.5	0.02	0.1	5.64	6.54		5	1.44	100	242	2.5	
5737	7/5/2005	4.25	0.2	0.186	42.6	0.381	2	0.328	0.02	0.128	8.75	1.55		5	1.09	100	221	2.5	
5746	8/1/2005	4.73	0.2	0.25	50.5	0.5	2	0.5	0.02	0.1	10.5	1.19		5	1.48	100	237	2.5	
5756	9/26/2005	3.12	0.2	0.25	28.7	0.5	2	0.456	0.0126	0.1	5.36	6.22		5	0.98	100	228	2.5	
5769	10/31/2005	3.36	0.2	0.177	43	0.5	2	0.5	0.02	0.1	9.81	1.92		5	1.38	100	211	2.5	
5783	11/16/2005	4.37	0.2	0.083	50	0.5	2	0.5	0.02	0.1	11.6	4.93		5	1.45	100	220	2.5	
5839	8/30/2006	4.6	0.2	0.25	49.4	0.5	2	0.547	0.01	0.1	10.7	2.63		5	1.67	100	278	2.5	
5853	10/19/2006	3.54	0.2	0.25	35	0.5	2	0.489	0.0127	0.1	7.39	9.77		5	1.27	100	278	2.5	
5866	10/30/2006	3.5	0.2	0.25	34.1	0.5	2	0.381	0.0073	0.1	7.16	6.5		5	1.47	100	172	2.5	
5881	11/6/2006	3.17	0.2	0.25	39.1	0.5	2	0.5	0.01	0.1	8.27	3.68		5	1.34	100	199	2.5	
5894	11/13/2006	3.71	0.2	0.25	40.6	0.494	2	0.333	0.01	0.1	8.97	0.977		5	1.61	100	255	2.5	
5901	11/20/2006	3.88	0.2	0.25	42.9	0.5	2	0.5	0.01	0.1	9.41	0.757		5	1.35	100	240	2.5	
5909	11/28/2006	4.35	0.2	0.25	44.9	0.5	2	0.387	0.01	0.0805	9.87	1.15		5	2.14	100	242	2.5	
5917	12/4/2006	4.42	0.2	0.25	47.2	0.5	2	0.5	0.01	0.1	10.5	0.677		5	1.1	100	335	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK2												
5521	8/23/2004	0.5	1720	0.116	0.5	0.5	26.9	10	2.5	3.81	2.68	17%
5531	8/30/2004	0.5	2200	0.118	0.5	0.5	35.5	10	2.5	3.94	2.66	19%
5541	9/7/2004	0.5	1960	0.122	0.5	0.5	40.8	10	2.5	4.33	2.76	22%
5551	9/13/2004	0.5	1850	0.124	0.5	0.5	55.5	10	2.5	4.45	2.91	21%
5561	9/20/2004	0.5	1960	0.122	0.5	0.5	54.3	10	2.5	4.32	2.89	20%
5571	9/27/2004	0.5	1960	0.131	0.5	0.5	26.8	10	2.5	4.41	3.17	16%
5581	10/4/2004	0.5	1860	0.126	0.5	0.5	39.8	10	2.5	4.40	3.07	18%
5591	10/11/2004	0.5	1930	0.123	0.5	0.5	23.2	10	2.5	4.11	2.93	17%
5601	10/21/2004	0.5	1860	0.118	0.5	0.5	39.7	10	2.5	4.16	2.84	19%
5611	10/25/2004	0.5	1830	0.118	0.5	0.5	40.3	10	2.5	4.20	2.96	17%
5621	11/1/2004	0.5	2090	0.13	0.5	0.5	42.8	10	2.5	4.50	3.25	16%
5631	11/9/2004	0.5	2610	0.177	0.5	0.5	44.3	10	2.05	6.26	4.33	18%
5641	11/16/2004	0.5	1850	0.129	0.5	0.5	45.8	10	3.38	4.61	3.18	18%
5651	11/22/2004	0.5	1980	0.126	0.5	0.5	51.3	10	2.5	4.54	3.07	19%
5661	12/6/2004	0.5	2250	0.124	0.5	0.5	17.2	10	2.5	4.78	3.10	21%
5671	12/20/2004	0.5	1830	0.144	0.5	0.5	2.5	10	2.5	4.81	3.53	15%
5715	5/16/2005	0.5	1700	0.0646	0.5	0.5	21.7	10	2.5	2.27	1.59	18%
5726	6/6/2005	0.5	1520	0.0761	0.5	0.5	30.7	10	2.5	3.06	1.88	24%
5737	7/5/2005	0.5	2130	0.12	0.5	0.5	42	10	2.19	4.11	2.95	17%
5746	8/1/2005	0.5	1940	0.15	0.5	0.5	37	10	5.94	4.38	3.48	11%
5756	9/26/2005	0.5	2040	0.0722	0.5	0.5	33	10	2.5	2.57	1.97	13%
5769	10/31/2005	0.5	1860	0.121	0.5	0.5	49.1	10	2.5	4.17	3.04	16%
5783	11/16/2005	0.5	1940	0.141	0.5	0.5	23.6	10	7.05	4.74	3.54	14%
5839	8/30/2006	0.5	2160	0.144	0.5	0.5	71.2	10	2.71	4.55	3.45	14%
5853	10/19/2006	0.5	2110	0.102	0.5	0.5	40.3	10	2.5	2.18	2.46	-6%
5866	10/30/2006	0.5	2110	0.0902	0.5	0.5	43	10	2.5	3.21	2.39	15%
5881	11/6/2006	0.5	1910	0.106	0.5	0.5	49.7	10	2.5	3.63	2.72	14%
5894	11/13/2006	0.5	2350	0.114	0.5	0.5	45.2	10	3.4	3.98	2.88	16%
5901	11/20/2006	0.5	2020	0.123	0.5	0.5	62.8	10	2.58	4.15	3.01	16%
5909	11/28/2006	0.5	2850	0.129	0.5	0.5	54.7	7.23	7.03	4.23	3.19	14%
5917	12/4/2006	0.5	2200	0.134	0.5	0.5	55.7	10	5.65	4.36	3.33	13%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RCK2																
5925	12/11/2006	#N/A	Accepted					62.5	0.4	130	35	2.63	0.05		0.05	0.0545
5933	12/18/2006	#N/A	Accepted					181	1	132	36.7	2.65	0.05		0.153	0.05
5941	12/26/2006	#N/A	Accepted					188	1.2	132	37	2.63	0.05		0.0393	0.0635
5949	1/15/2007	1070250	Accepted	9.82				209	0.25	140	42	2.74	0.05		0.0476	0.113
5968	6/4/2007	1072562	Accepted	8.05				133	1.1	91	22.3	2.59	0.068		0.05	0.074
5976	11/8/2007	1076030	Accepted	8.50		7.92	350	206	0.9	135	47.6	2.94	0.031		0.05	0.134
Minimum				8.1	0.0	7.9	160.0	45.0	0.3	32.0	6.8	2.1	0.0	0.1	0.0	0.0
Maximum				9.8	0.0	8.1	350.0	243.0	162.0	166.0	53.3	4.9	0.1	0.1	0.2	1.8
Average				8.8	#DIV/0!	8.0	246.3	157.7	12.8	111.6	30.7	2.7	0.0	0.1	0.1	0.4
Median				8.5	#NUM!	7.9	237.5	165.5	2.2	120.0	32.7	2.6	0.0	0.1	0.1	0.5
Count				3	0	4	4	68	68	68	68	68	68	16	68	66

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RCK2																		
5925	12/11/2006	0.002	0.002	159.48	10	0.486	75.2	4.77	0.2	0.25	46.2	0.5	2	0.5	0.014	0.097	10.7	1.05
5933	12/18/2006	0.0025	0.0025	161.23	15	0.98	79.5	4.78	0.2	0.25	46.9	0.5	2	0.5	0.0249	0.096	10.7	1.48
5941	12/26/2006	0.0025	0.0025	157.80	10	1.03	76.4	4.44	0.2	0.25	45.2	0.5	2	0.5	0.0179	0.096	10.9	0.949
5949	1/15/2007	0.0025	0.0025	179.71	7.32	1.28	68.1	4.25	0.2	0.25	51.5	0.5	2	0.334	0.0102	0.1	12.4	0.61
5968	6/4/2007	0.0025	0.0025	111.26	23.7	0.707	69.9	3.94	0.2	0.25	32.8	0.5	2	0.384	0.0606	0.133	7.12	7.34
5976	11/8/2007	0.0016	0.0025	190.50	26.5	1.57	88.6	5.82	0.2	0.25	54.5	1	2	0.315	0.0572	0.1	13.2	10.5
Minimum		0.0	0.0	35.6	6.3	0.4	26.1	2.5	0.1	0.1	10.6	0.4	1.4	0.3	0.0	0.1	2.2	0.4
Maximum		0.0	0.0	225.7	3380.0	2.0	392.0	40.2	0.2	0.3	64.8	4.0	2.5	5.7	5.5	6.5	15.5	136.0
Average		0.0	0.0	143.7	175.6	0.9	90.7	5.9	0.2	0.2	42.1	0.8	2.0	0.9	0.4	0.5	9.4	12.8
Median		0.0	0.0	153.7	23.0	0.8	82.5	4.6	0.2	0.3	45.1	0.5	2.0	0.5	0.1	0.2	10.0	5.7
Count		68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RCK2																			
5925	12/11/2006		3.6	1.69	100	232	2.5		0.5	2120	0.14	1.03	2.77	60.2	10	6.52	10	0.387	67.9
5933	12/18/2006		5	2.29	100	248	2.5		0.5	2170	0.14	0.5	0.666	66.1	10	5.62	10	1.17	75
5941	12/26/2006		5	2.1	100	231	2.5		0.5	2020	0.141	0.586	0.608	71.7	10	12.5	10	0.834	74.4
5949	1/15/2007		5	1.52	100	235	2.5	2760	0.5	2020	0.155	0.5	0.5	63	10	10.7	16.9	1.21	69.9
5968	6/4/2007	0	5	1.74	100	351	2.5		0.5	2070	0.0997	0.5	0.5	35.2	10	18	9.87	1.1	64.7
5976	11/8/2007	0.58	5	2.49	100	339	2.5		0.5	2540	0.154	0.5	0.5	55.1	10	25.8	10	1.63	90.3
Minimum		0.0	3.4	0.7	15.0	180.0	1.7	2380.0	0.5	1290.0	0.0	0.5	0.4	5.9	10.0	1.0	6.2	0.3	35.6
Maximum		10.2	5.1	7.5	106.0	904.0	4.8	2810.0	0.5	2790.0	0.2	1.0	2.8	88.7	10.0	25.8	32.3	1.6	97.9
Average		2.3	5.0	1.7	80.6	282.7	2.5	2650.0	0.5	2001.0	0.1	0.5	1.0	44.4	10.0	4.2	10.9	0.8	69.9
Median		1.6	5.0	1.5	100.0	249.5	2.5	2760.0	0.5	2000.0	0.1	0.5	0.5	44.5	10.0	2.5	10.0	0.8	69.9
Count		56	68	68	68	68	68	3	68	68	68	68	68	68	68	68	68	68	68




ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RCK2																			
5925	12/11/2006	4.41	0.2	0.25	43	0.5	2	0.5	0.01	0.1	9.95	0.455		4.08	1.6	100	213	2.5	
5933	12/18/2006	4.58	0.2	0.25	46.3	0.5	2	0.5	0.01	0.1	10.6	0.451		5	1.62	100	250	2.5	
5941	12/26/2006	4.51	0.2	0.25	46.3	0.5	2	0.5	0.01	0.1	11.2	0.373		5	1.38	100	238	2.5	
5949	1/15/2007	4.6	0.2	0.25	52.5	0.5	2	0.5	0.01	0.1	12.6	0.5		5	1.97	100	216	2.5	2640
5968	6/4/2007	3.87	0.2	0.25	34.4	0.5	2	0.35	0.0114	0.209	7.47	5.54		5	1.57	100	354	2.5	
5976	11/8/2007	5.87	0.2	0.25	52.2	1	2	0.76	0.01	0.1	13	9.21		5	2.58	62.7	373	2.5	
Minimum		1.1	0.2	0.1	10.5	0.4	2.0	0.3	0.0	0.1	2.2	0.3	0.0	4.1	0.7	11.8	165.0	2.5	2640.0
Maximum		5.9	0.2	0.3	60.4	3.4	2.0	1.4	0.1	0.2	14.5	14.1	0.0	7.9	2.6	100.0	587.0	3.0	2640.0
Average		4.0	0.2	0.2	40.7	0.7	2.0	0.5	0.0	0.1	9.0	2.6	#DIV/0!	5.0	1.3	78.8	251.2	2.5	2640.0
Median		4.2	0.2	0.3	43.0	0.5	2.0	0.5	0.0	0.1	9.7	1.5	#NUM!	5.0	1.1	100.0	238.5	2.5	2640.0
Count		68	68	68	68	68	68	67	68	68	68	68	0	68	68	68	68	68	1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RCK2												
5925	12/11/2006	0.5	2020	0.129	1.08	2.94	60.8	10	5.91	4.50	3.06	19%
5933	12/18/2006	0.5	2270	0.139	0.5	0.5	64.5	10	10.1	4.63	3.29	17%
5941	12/26/2006	0.5	1980	0.144	0.5	0.5	66.9	10	12.4	4.65	3.33	17%
5949	1/15/2007	0.5	2260	0.157	0.5	0.5	62.2	10	13.4	5.08	3.77	15%
5968	6/4/2007	0.5	2070	0.104	0.5	0.5	33.1	10	12.5	3.05	2.43	11%
5976	11/8/2007	0.5	2670	0.15	0.5	0.5	61.3	10	24.7	5.50	3.81	18%
Minimum		0.5	1260.0	0.0	0.5	0.5	2.5	7.2	1.0			
Maximum		0.5	2850.0	0.2	1.1	2.9	71.2	10.0	24.7			
Average		0.5	1976.8	0.1	0.5	1.0	40.1	10.0	3.4			
Median		0.5	1960.0	0.1	0.5	0.5	41.1	10.0	2.5			
Count		68	68	68	68	68	68	68	68			

Highlighting Legend for Data columns

	Highlights datapoints to be excluded from analyses due to unexplained contamination.
	Possibly suspect data, but could be explained by analytical error or sample variability.
	Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RKTB																
5456	7/1/2004	#N/A	Accepted					188	0.3	144	32.6	2.56	0.052		0.05	0.5
5464	7/6/2004	#N/A	Accepted					184	1.7	147	32.4	2.54	0.052		0.05	0.5
5474	7/13/2004	#N/A	Accepted					216	2.6	126	32.8	2.57	0.06		0.05	0.5
5484	7/19/2004	#N/A	Accepted					215	0.6	151	34	2.45	0.049		0.05	1
5493	7/26/2004	#N/A	Accepted					195	1.8	145	34.3	2.58	0.049		0.05	1
5504	8/2/2004	#N/A	Accepted					210	0.6	149	33.3	2.34	0.035		0.05	0.5
5514	8/9/2004	#N/A	Accepted					209	1	150	32.7	2.34	0.05		0.05	0.5
5514	8/16/2004	#N/A	Accepted					178	1.7	134	27.3	2.22	0.039		0.05	0.5
5524	8/23/2004	#N/A	Accepted					181	2.4	142	28.9	2.35	0.05		0.23	0.5
5534	8/30/2004	#N/A	Accepted					189	6	146	32.1	2.5	0.031		0.05	0.5
5543	9/7/2004	#N/A	Accepted					198	0.6	141	34	2.38	0.036		0.05	0.5
5553	9/13/2004	#N/A	Accepted					203	0.3	152	34.4	2.48	0.036		0.042	0.5
5563	9/20/2004	#N/A	Accepted					216	0.3	147	35.1	2.46	0.037		0.079	0.5
5573	9/27/2004	#N/A	Accepted					199	0.4	145	34.9	2.47	0.05		0.05	0.35
5583	10/4/2004	#N/A	Accepted					195	0.3	146	35.3	2.61	0.05		0.05	
5593	10/11/2004	#N/A	Accepted					203	0.6	146	34.5	2.45	0.05		0.05	
5603	10/21/2004	#N/A	Accepted					208	0.4	140	38.6	2.93	0.05		0.05	0.5
5613	10/26/2004	#N/A	Accepted					190	5.3	136	35.1	3.01	0.05		0.05	1.29
5623	11/2/2004	#N/A	Accepted					191	0.6	140	12.3	0.89	0.05		0.05	0.5
5633	11/10/2004	#N/A	Accepted					203	2.4	148	35.5	2.45	0.05		0.05	0.5
5643	11/16/2004	#N/A	Accepted					175	0.5	145	36	2.61	0.05		0.05	0.5
5653	11/23/2004	#N/A	Accepted					165	0.25	143	36.1	2.44	0.05		0.05	0.5
5663	12/6/2004	#N/A	Accepted					209	0.3	148	35.4	2.44	0.147		0.05	0.5
5728	6/6/2005	#N/A	Accepted			8.10	275	171	6.8	127	18.7	1.43	0.05		0.05	0.05
5739	7/5/2005	#N/A	Accepted			8.06	305	196	1	144	29.7	2.25	0.039		0.05	0.0435
5748	8/1/2005	#N/A	Accepted					201	0.25	149	31.2	2.28	0.032		0.05	0.05
5758	9/26/2005	#N/A	Accepted					150	152	113	22.8	2.81	0.033		0.05	0.087
5771	10/31/2005	#N/A	Accepted					194	1.4	145	31.3	2.4	0.057		0.0914	0.0775
5785	11/17/2005	#N/A	Accepted					196	3.43	148	32.5	2.34	0.041		0.05	0.0825
5799	12/8/2005	#N/A	Accepted					189	0.25	145	34.1	2.38	0.04			0.069
5813	1/4/2006	#N/A	Accepted					153	0.25	146	34.9	2.28	0.042		0.04	0.0505

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RKTB																		
5456	7/1/2004	0.0025	0.0025	170.80	10	0.455	90.8	2.22	0.2	0.25	48.1	0.5	2	0.5	0.02	0.1	12.3	1.79
5464	7/6/2004	0.0025	0.0025	184.74	10	0.389	88.5	2.12	0.2	0.25	51.7	3.98	2	0.5	0.02	0.1	13.5	1.79
5474	7/13/2004	0.0025	0.0025	175.86	10	0.406	99.5	2.18	0.2	0.25	49.3	0.572	2	0.5	0.02	0.1	12.8	2.41
5484	7/19/2004	0.0025	0.005	185.91	10	0.341	85.6	2.1	0.2	0.25	52.5	0.5	2	0.5	0.02	0.1	13.3	2.38
5493	7/26/2004	0.0025	0.0025	187.68	7.15	0.5	105	2.44	0.2	0.25	53.7	0.671	2	0.4	0.02	0.1	13	4.89
5504	8/2/2004	0.0025	0.0025	178.61	10	0.441	104	2.44	0.2	0.25	50.4	0.5	2	0.5	0.02	0.1	12.8	3.11
5514	8/9/2004	0.0025	0.0025	178.29	10	0.423	99.4	2.98	0.2	0.25	50.6	0.5	2	0.5	0.015	0.131	12.6	3.95
5514	8/16/2004	0.0025	0.0025	153.98	10.3	0.34	78.7	2.84	0.2	0.25	44	0.765	2	0.5	0.0217	0.1	10.7	5.67
5524	8/23/2004	0.0025	0.0025	172.73	10	0.5	78.8	2.25	0.2	0.25	49.2	0.5	2	0.388	0.02	0.1	12.1	3.22
5534	8/30/2004	0.0025	0.0025	169.91	18.1	0.5	80.7	2.35	0.2	0.25	48.4	0.5	2	0.404	0.0512	0.1	11.9	5.7
5543	9/7/2004	0.0025	0.0025	177.54	10	0.5	87.1	2.23	0.2	0.25	50.3	0.5	2	0.5	0.02	0.1	12.6	2.09
5553	9/13/2004	0.0025	0.0027	179.27	7.35	0.791	39.1	5.56	0.2	0.06	50.5	0.5	2	0.426	0.02	0.085	12.9	11.3
5563	9/20/2004	0.003	0.0025	172.30	10	0.412	99.5	2.43	0.2	0.25	48.7	0.5	2	0.409	0.02	0.1	12.3	1.78
5573	9/27/2004	0.0025	0.0037	182.65	10	0.346	90.4	2	0.2	0.25	50.7	0.5	2	0.708	0.317	0.1	13.6	1.47
5583	10/4/2004	0.0025	0.0025	169.48	10	0.5	61.3	1.3	0.2	0.25	47.9	0.5	2	0.5	0.02	0.1	12.1	0.64
5593	10/11/2004	0.0025	0.027	177.04	10	0.369	101	2.23	0.2	0.25	50.1	0.5	2	0.413	0.02	0.1	12.6	1.11
5603	10/21/2004	0.0025	0.0025	186.99	10	0.399	97.5	2.08	0.2	0.25	52.6	0.83	2	0.5	0.0195	0.1	13.5	1.27
5613	10/26/2004	0.006	0.0039	178.27	8.23	0.398	94.9	2.28	0.2	0.25	50.1	0.5	2	0.5	0.0316	0.074	12.9	2.71
5623	11/2/2004	0.0028	0.0025	183.49	25.8	0.5	83.6	2.31	0.2	0.25	51.2	0.5	2	0.5	0.02	0.1	13.5	1.77
5633	11/10/2004	0.003		181.84	10	0.402	90.4	1.83	0.2	0.25	51.2	0.781	2	0.333	0.0406	0.064	13.1	3.24
5643	11/16/2004	0.0025	0.0026	184.57	10	0.343	89.9	2.12	0.2	0.25	51.8	1.67	2	0.364	0.02	0.1	13.4	1.2
5653	11/23/2004	0.0025	0.0025	187.40	10	0.5	84.9	1.5	0.2	0.25	52.6	0.5	2	0.5	0.02	0.1	13.6	1.04
5663	12/6/2004	0.0025	0.0025	180.00	10	0.361	91.4	2.09	0.2	0.25	50.3	0.5	2	0.354	0.02	0.1	13.2	0.738
5728	6/6/2005	0.0025	0.0025	143.01	117	0.436	106	3.05	0.2	0.25	40.6	0.477	2	0.426	0.455	0.256	10.1	6.86
5739	7/5/2005	0.0025	0.0025	180.11	7.34	0.391	94.1	2.19	0.2	0.25	51	0.5	2	0.5	0.0255	0.095	12.8	2.43
5748	8/1/2005	0.0025	0.0025	186.61	10	0.5	82.3	2	0.2	0.25	53.6	0.39	2	0.5	0.02	0.1	12.8	2.69
5758	9/26/2005	0.0025	0.0025	138.13	1250	2.27	581	17.7	0.2	0.25	40.8	0.5	2.35	6.41	6.34	3.83	8.79	75.3
5771	10/31/2005	0.0025	0.0025	181.54	8.74	0.5	70.6	1.74	0.2	0.25	51.9	0.5	2	0.5	0.0226	0.1	12.6	2.5
5785	11/17/2005	0.0025	0.0025	189.41	11.8	0.321	85	2.23	0.2	0.25	53.9	0.5	2	0.371	0.0333	0.1	13.3	3.42
5799	12/8/2005	0.0025	0.0025	185.91	10	0.363	84.7	1.91	0.216	0.25	52.5	1.41	2	0.5	0.02	0.1	13.3	0.977
5813	1/4/2006	0.0025	0.0025	191.63	10	0.382	89.1	2.1	0.2	0.25	53.8	0.5	2	0.5	0.02	0.1	13.9	0.592

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RKTB																			
5456	7/1/2004	0.5	5	0.66	100	155	2.5		0.5	1760	0.131	0.5	0.5	68.1	10	2.5	10	0.451	87.2
5464	7/6/2004	0.5	5	1.16	100	180	4.19		0.5	1710	0.136	0.5	0.564	66.1	10	2.5	10	0.419	87.4
5474	7/13/2004	1.5	5	1.09	100	184	2.5		0.5	1790	0.138	0.5	0.5	64.8	10	2.5	10	0.385	93.1
5484	7/19/2004	1.4	5	1.22	100	250	2.5		0.5	1560	0.138	0.5	0.5	48.9	10	2.5	10	0.368	93.8
5493	7/26/2004	0.5	5	1.17	100	205	2.5		0.5	1790	0.143	0.5	0.5	48.8	10	2.5	10	0.512	98.9
5504	8/2/2004	1.7	5	1	100	225	2.5		0.5	1940	0.14	0.5	0.5	64.8	10	2.5	10	0.393	99.2
5514	8/9/2004	0.5	5	1	100	236	2.5		0.5	1720	0.14	0.5	0.5	48.3	10	2.5	10	0.321	106
5514	8/16/2004	1.8	5	0.695	100	248	2.5		0.5	1810	0.116	0.5	0.5	39	10	2.5	10	0.5	70.5
5524	8/23/2004	0.5	5	0.915	100	163	2.5		0.5	1730	0.121	0.5	0.5	31.4	10	2.5	10	0.5	71.2
5534	8/30/2004	0.5	5	1	100	190	2.5		0.5	1850	0.126	0.5	0.5	42.6	10	2.5	10	0.5	71.5
5543	9/7/2004	1.4	5	1	100	186	2.5		0.5	1740	0.13	0.5	0.5	52.3	10	2.5	10	0.354	79.2
5553	9/13/2004	0.5	5	1.23	100	195	2.5		0.5	1850	0.13	0.5	0.5	55.6	10	2.5	10	0.317	94.5
5563	9/20/2004	0.5	5	0.805	100	227	2.5		0.5	1790	0.125	0.5	0.5	58.9	10	2.5	10	0.45	98.4
5573	9/27/2004	0.5	5	0.999	100	183	2.5		0.5	1680	0.134	0.5	0.5	38.5	10	2.5	10	0.448	94.9
5583	10/4/2004	1.5	5	0.804	100	250	2.5		0.5	1110	0.119	0.5	0.5	18.9	10	2.5	10	0.395	100
5593	10/11/2004	1.9	5	1.63	100	207	2.5		0.5	1730	0.13	0.5	0.5	20.9	10	2.5	10	0.38	98.8
5603	10/21/2004	1.6	5	1.31	100	197	2.5		0.5	1740	0.135	0.5	0.5	45.2	10	2.5	10	0.418	103
5613	10/26/2004	1.2	5	1.13	100	193	2.5		0.5	1880	0.126	0.5	0.5	50.7	10	2.5	10	0.353	81.6
5623	11/2/2004	0.5	5	1.12	100	156	2.5		0.5	1750	0.126	0.5	0.5	58.6	10	2.5	10	0.5	76.5
5633	11/10/2004	1.1	5	1.37	100	202	2.5		0.5	1860	0.126	0.5	0.5	69.5	10	2.23	10	0.368	83.7
5643	11/16/2004	0.5	5	1.48	100	189	2.5		0.5	1760	0.126	0.5	0.5	49.3	10	2.21	10	0.384	86.9
5653	11/23/2004	0.5	5	1	100	250	2.5		0.5	1660	0.131	0.5	0.5	71.1	10	2.5	10	0.5	96.7
5663	12/6/2004	0.5	5	1.34	100	185	2.5		0.5	1970	0.126	0.5	0.5	18.9	10	2.5	10	0.369	94.3
5728	6/6/2005	1.9	5	1.77	100	229	2.5		0.5	1720	0.0979	0.5	0.5	45.9	10	2.5	10	0.348	72.9
5739	7/5/2005	2.6	5	1.36	100	185	2.5		0.5	1770	0.131	0.5	0.5	53.7	10	2.33	10	0.5	77.8
5748	8/1/2005	1.5	5	1.62	100	176	2.5		0.5	1550	0.134	0.5	0.5	41.1	10	2.5	10	0.367	89.4
5758	9/26/2005	9.9	5	7.59	100	404	2.5		0.5	1690	0.0915	0.5	0.5	49.2	10	23.6	6.96	0.5	61.3
5771	10/31/2005	0.7	5	1.53	100	250	2.5		0.5	1630	0.123	0.5	0.5	73.8	10	2.5	10	0.5	77.5
5785	11/17/2005	0.6	5	1.58	100	161	2.5		0.5	1720	0.131	0.5	0.5	42.3	10	2.5	10	0.5	81.6
5799	12/8/2005	0.8	5	0.98	100	226	2.5		0.5	1710	0.129	0.5	0.5	39	10	2.5	10	0.392	85.1
5813	1/4/2006	0.6	5	1.08	100	244	2.5		0.5	2030	0.142	0.5	0.5	60.4	10	2.5	8.67	0.364	82.2

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RKTB																			
5456	7/1/2004	2.5	0.2	0.25	51.4	0.5	2	0.5	0.02	0.067	13	1.22		5	1.09	100	197	2.5	
5464	7/6/2004	2.11	0.2	0.25	50	2.65	2	0.5	0.02	0.1	13.3	1.47		5	0.98	100	178	2.22	
5474	7/13/2004	2.07	0.2	0.25	47.6	0.437	2	0.5	0.02	0.1	12.3	1.76		5	0.95	100	176	2.5	
5484	7/19/2004	2.51	0.2	0.25	51.1	0.5	2	0.5	0.02	0.1	12.3	2		5	0.686	100	158	2.5	
5493	7/26/2004	2.34	0.2	0.25	50.3	0.5	2	0.5	0.02	0.072	12.5	2.45		5	1.36	100	184	2.5	
5504	8/2/2004	2.34	0.2	0.25	48.3	0.5	2	0.5	0.02	0.1	11.9	2.63		5	1	100	226	2.5	
5514	8/9/2004	2.84	0.2	0.25	49.6	0.5	2	0.478	0.02	0.126	12.3	3.47		5	1	100	245	2.5	
5514	8/16/2004	2.45	0.2	0.25	44	0.5	2	0.5	0.02	0.1	10.6	3.1		5	0.831	100	250	2.5	
5524	8/23/2004	2.1	0.2	0.25	46.9	0.5	2	0.5	0.02	0.1	11.8	1.78		5	0.773	100	250	2.5	
5534	8/30/2004	2.67	0.2	0.25	46.5	0.5	2	0.5	0.02	0.1	11.2	12.4		5	1	100	223	2.5	
5543	9/7/2004	2.02	0.2	0.25	46.7	0.5	2	0.5	0.02	0.1	11.4	1.52		5	1	100	171	2.5	
5553	9/13/2004	2.3	0.2	0.25	45.3	0.648	2	0.397	0.02	0.1	11.4	1.43		5	1	100	185	2.5	
5563	9/20/2004	2.44	0.2	0.25	46.4	0.5	2	0.384	0.02	0.1	11.8	1.26		5	1.27	100	207	2.5	
5573	9/27/2004	2.29	0.2	0.25	50.1	0.5	2	0.46	0.02	0.1	12.6	0.87		5	1	100	207	2.5	
5583	10/4/2004	2.35	0.2	0.25	47.5	0.5	2	0.436	0.02	0.1	12	0.693		5	0.828	100	203	2.5	
5593	10/11/2004	2.08	0.2	0.25	47.4	1.21	2	0.477	0.02	0.1	12	0.597		5	1.29	100	199	2.5	
5603	10/21/2004	2.22	0.2	0.25	47.9	0.5	2	0.5	0.02	0.1	12.4	0.541		5	1.38	100	210	2.5	
5613	10/26/2004	1.83	0.2	0.25	46.1	0.5	2	0.5	0.02	0.1	12	1.03		5	1.14	100	175	2.5	
5623	11/2/2004	2.11	0.2	0.25	49.5	0.511	2	0.5	0.02	0.1	13.1	0.425		5	1.3	100	250	2.5	
5633	11/10/2004	1.93	0.2	0.25	50.6	1.37	2	0.5	0.02	0.1	13	0.438		5	1.2	100	202	2.5	
5643	11/16/2004	2.18	0.2	0.25	48.4	0.942	2	0.356	0.02	0.1	12.6	0.706		5	1.33	100	180	2.5	
5653	11/23/2004	1.5	0.2	0.25	43.8	0.5	2	0.5	0.02	0.1	11.6	0.5		5	1	100	250	2.5	
5663	12/6/2004	2.05	0.2	0.25	45	0.5	2	0.317	0.02	0.1	11.8	0.332		5	1.23	100	192	2.5	
5728	6/6/2005	1.92	0.2	0.25	38.4	0.5	2	0.464	0.02	0.1	9.3	0.801		5	1.84	100	210	2.5	
5739	7/5/2005	1.91	0.2	0.25	48.1	0.5	2	0.5	0.02	0.1	11.6	1.31		5	0.955	100	154	2.5	
5748	8/1/2005	2.01	0.2	0.25	53.5	0.5	2	0.5	0.02	0.1	12.7	2.45		5	1.23	100	190	2.5	
5758	9/26/2005	2.45	0.2	0.25	41	0.5	2	0.381	0.02	3.59	8.73	2.78		5	1.15	100	188	2.5	
5771	10/31/2005	1.75	0.2	0.07	50.8	0.5	2	0.5	0.02	0.1	12.7	0.853		5	1.54	100	175	2.5	
5785	11/17/2005	2.22	0.2	0.101	50.9	0.5	2	0.5	0.02	0.1	12.7	0.607		5	1.47	100	181	2.5	
5799	12/8/2005	2	0.2	0.25	52.2	0.5	2	0.331	0.02	0.1	13.3	0.333		5	1.52	100	169	2.5	
5813	1/4/2006	1.99	0.2	0.081	51.6	1.18	2	0.5	0.02	0.1	13.5	0.5		5	0.875	100	211	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	TI-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RKTB												
5456	7/1/2004	0.5	1820	0.131	0.5	0.5	69.7	10	2.5	4.68	3.72	11%
5464	7/6/2004	0.5	1700	0.134	0.5	0.487	66.3	10	2.5	4.73	3.67	13%
5474	7/13/2004	0.5	1740	0.132	0.5	0.5	64.1	10	2.5	4.34	3.47	11%
5484	7/19/2004	0.5	1880	0.132	0.5	0.5	37.9	10	2.5	4.93	3.65	15%
5493	7/26/2004	0.5	1710	0.139	0.5	0.5	46.9	10	2.5	4.83	3.62	14%
5504	8/2/2004	0.5	1940	0.136	0.5	0.5	66.4	10	2.5	4.82	3.49	16%
5514	8/9/2004	0.5	1870	0.138	0.5	1.2	39.7	10	2.5	4.81	3.58	15%
5514	8/16/2004	0.5	1590	0.115	0.5	0.5	41.6	10	2.5	4.20	3.15	14%
5524	8/23/2004	0.5	1480	0.118	0.5	0.5	22.9	10	2.5	4.45	3.39	14%
5534	8/30/2004	0.5	1900	0.123	0.5	0.5	39.4	10	2.5	4.70	3.33	17%
5543	9/7/2004	0.5	1640	0.122	0.5	0.5	45.8	10	2.5	4.69	3.35	17%
5553	9/13/2004	0.5	1580	0.117	0.5	0.5	59	10	2.5	4.94	3.28	20%
5563	9/20/2004	0.5	1780	0.122	0.5	0.5	63	10	2.5	4.87	3.37	18%
5573	9/27/2004	0.5	1790	0.13	0.5	0.5	29.9	10	2.5	4.81	3.63	14%
5583	10/4/2004	0.5	1610	0.121	0.5	0.5	41.4	10	7.09	4.83	3.44	17%
5593	10/11/2004	0.5	1690	0.125	0.5	0.5	29.7	10	2.5	4.79	3.44	16%
5603	10/21/2004	0.5	1780	0.124	0.5	0.5	44.8	10	2.5	4.93	3.50	17%
5613	10/26/2004	0.5	1650	0.117	0.5	0.5	47.7	10	2.5	4.72	3.37	17%
5623	11/2/2004	0.5	2060	0.124	0.5	0.5	42.1	10	2.5	3.50	3.65	-2%
5633	11/10/2004	0.5	1820	0.124	0.5	0.5	68.2	10	2.5	4.92	3.68	14%
5643	11/16/2004	0.5	1740	0.119	0.5	0.5	49.8	10	3.29	4.88	3.54	16%
5653	11/23/2004	0.5	1780	0.11	0.5	0.5	56.2	10	2.5	4.85	3.23	20%
5663	12/6/2004	0.5	2010	0.114	0.5	0.5	16.7	10	2.5	4.91	3.31	19%
5728	6/6/2005	0.5	1580	0.0911	0.5	0.5	46.1	10	2.5	3.79	2.76	16%
5739	7/5/2005	0.5	1950	0.116	0.5	0.5	51.8	10	2.5	4.72	3.45	16%
5748	8/1/2005	0.5	1790	0.135	0.5	0.5	43.1	10	2.5	4.67	3.80	10%
5758	9/26/2005	0.5	1870	0.0923	0.5	0.5	50.7	10	2.5	3.52	2.85	11%
5771	10/31/2005	0.5	1640	0.119	0.5	0.5	56	10	2.5	4.60	3.66	11%
5785	11/17/2005	0.5	1740	0.122	0.5	0.5	42	10	1.54	4.73	3.67	13%
5799	12/8/2005	0.5	1580	0.13	0.5	0.5	49.1	10	2.5	4.75	3.78	11%
5813	1/4/2006	0.5	1650	0.137	0.5	0.5	61.2	10	2.5	4.81	3.77	12%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
RKTB																
5827	5/3/2006	#N/A	Accepted					208	0.25	148	35.9	2.3	0.037		0.0985	0.031
5841	8/30/2006	#N/A	Accepted					198	0.7	152	33.2	2.36	0.036		0.05	0.05
	Minimum			0.0	0.0	8.1	275.0	150.0	0.3	113.0	12.3	0.9	0.0	0.0	0.0	0.0
	Maximum			0.0	0.0	8.1	305.0	216.0	152.0	152.0	38.6	3.0	0.1	0.0	0.2	1.3
	Average			#DIV/0!	#DIV/0!	8.1	290.0	193.2	6.0	143.3	32.2	2.4	0.0	#DIV/0!	0.1	0.4
	Median			#NUM!	#NUM!	8.1	290.0	196.0	0.6	145.0	34.0	2.4	0.1	#NUM!	0.1	0.5
	Count			0	0	2	2	33	33	33	33	33	33	0	32	31

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
RKTB																		
5827	5/3/2006	0.0025	0.0025	198.49	10	0.321	95.7	2.47	0.2	0.25	54.9	0.5	2	0.5	0.02	0.1	14.9	0.5
5841	8/30/2006	0.0025	0.0025	181.95	9.07	0.344	95.2	2.72	0.2	0.25	51.9	0.5	2	0.343	0.0158	0.1	12.7	4.9
	Minimum	0.0	0.0	138.1	7.2	0.3	61.3	1.3	0.2	0.1	40.6	0.4	2.0	0.3	0.0	0.1	8.8	0.5
	Maximum	0.0	0.0	198.5	1250.0	2.3	581.0	17.7	0.2	0.3	54.9	4.0	2.4	6.4	6.3	3.8	14.9	75.3
	Average	0.0	0.0	178.1	51.2	0.5	105.2	2.8	0.2	0.2	50.3	0.7	2.0	0.6	0.2	0.2	12.7	5.0
	Median	0.0	0.0	180.1	10.0	0.4	90.4	2.2	0.2	0.3	50.7	0.5	2.0	0.5	0.0	0.1	12.8	2.4
	Count	33	32	33	33	33	32	33	33	33	33	33	33	33	33	33	33	33

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
RKTB																			
5827	5/3/2006	0.4	5	1.45	100	281	2.5		0.5	1880	0.147	0.5	0.5	56.6	10	2.5	10	0.5	94.2
5841	8/30/2006		5	1.47	100	215	2.5		0.5	1960	0.13	0.5	0.5	83.2	10	2.5	10	0.5	91.8
	Minimum	0.4	5.0	0.7	100.0	155.0	2.5	0.0	0.5	1110.0	0.1	0.5	0.5	18.9	10.0	2.2	7.0	0.3	61.3
	Maximum	9.9	5.0	7.6	100.0	404.0	4.2	0.0	0.5	2030.0	0.1	0.5	0.6	83.2	10.0	23.6	10.0	0.5	106.0
	Average	1.3	5.0	1.4	100.0	212.9	2.6	#DIV/0!	0.5	1752.7	0.1	0.5	0.5	50.8	10.0	3.1	9.9	0.4	87.3
	Median	0.7	5.0	1.2	100.0	202.0	2.5	#NUM!	0.5	1750.0	0.1	0.5	0.5	49.3	10.0	2.5	10.0	0.4	87.4
	Count	32	33	33	33	33	33	0	33	33	33	33	33	33	33	33	33	33	33

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
RKTB																			
5827	5/3/2006	3.06	0.2	0.25	53.1	0.5	2	0.5	0.02	0.1	14.5	0.5		5	1.59	100	247	2.5	
5841	8/30/2006	2.74	0.2	0.25	58	0.5	2	0.5	0.01	0.1	12.9	2.7		5	1.7	100	245	2.5	
	Minimum	1.5	0.2	0.1	38.4	0.4	2.0	0.3	0.0	0.1	8.7	0.3	0.0	5.0	0.7	100.0	154.0	2.2	0.0
	Maximum	3.1	0.2	0.3	58.0	2.7	2.0	0.5	0.0	3.6	14.5	3.5	0.0	5.0	1.8	100.0	250.0	2.5	0.0
	Average	2.2	0.2	0.2	48.4	0.6	2.0	0.5	0.0	0.2	12.1	1.3	#DIV/0!	5.0	1.2	100.0	202.7	2.5	#DIV/0!
	Median	2.2	0.2	0.3	48.3	0.5	2.0	0.5	0.0	0.1	12.3	1.1	#NUM!	5.0	1.1	100.0	199.0	2.5	#NUM!
	Count	33	33	33	33	33	33	33	33	33	33	32.0	0	33	33	33	33	33	0

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
RKTB												
5827	5/3/2006	0.5	1790	0.146	0.5	0.5	50.6	10	2.5	4.90	3.93	11%
5841	8/30/2006	0.5	1860	0.135	0.5	0.5	75.2	10	2.83	4.84	4.05	9%
Minimum		0.5	1480.0	0.1	0.5	0.5	16.7	10.0	1.5			
Maximum		0.5	2060.0	0.1	0.5	1.2	75.2	10.0	7.1			
Average		0.5	1757.9	0.1	0.5	0.5	48.9	10.0	2.6			
Median		0.5	1780.0	0.1	0.5	0.5	47.7	10.0	2.5			
Count		33	33	33	33	33	33	33	33			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.
- Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
ROCK																
5002	9/10/2002	#N/A						188	0.8	127	34.6	2.72	0.1	0.1	0.1	0.1
1104	7/30/2003	#N/A	Rejected					140	0.6	114	29.2	2.1	0.041	0.05	0.074	0.5
5102	8/13/2003	#N/A	Accepted					138	1.5	115	28.4	2.4	0.036	0.05	0.05	0.05
5110	8/20/2003	#N/A	Accepted					173	2.25	122	32.6	2.45	0.038	0.05	0.031	0.36
5118	8/27/2003	#N/A	Accepted					154	2.9	110	27.1	2.32	0.037	0.05	0.05	0.05
5126	9/3/2003	#N/A	Accepted					173	6.31	119	30.6	2.35	0.037	0.05	0.158	0.05
5134	9/10/2003	#N/A	Accepted					165	1.2	123	32.4	2.49	0.041	0.05	0.051	0.05
5143	9/17/2003	#N/A	Accepted					175	1.4	124	35.9	2.61	0.042	0.05	0.064	0.05
5151	9/24/2003	#N/A	Accepted					190	0.6	123	33.7	2.39	0.038	0.05	0.051	0.5
5159	10/1/2003	#N/A	Accepted					148	4.53	106	29.4	2.82	0.036	0.05	0.05	0.5
5166	10/8/2003	#N/A	Accepted					185	8.4	124	32.8	2.54	0.036	0.05	0.035	0.5
5174	10/15/2003	#N/A	Accepted					138	8.4	122	33.8	2.6	0.037	0.05	0.05	0.5
5182	10/22/2003	#N/A	Accepted					155	5.2	132	36.5	2.65	0.031	0.05	0.05	0.6
5190	10/29/2003	#N/A	Accepted					203	14.8	126	36	2.47	0.034	0.05	0.05	0.5
5197	11/5/2003	#N/A	Accepted					156	16.7	101	26.7	2.57	0.033	0.05	0.05	0.5
5206	11/12/2003	#N/A	Accepted					180	0.7	116	40.5	2.9	0.033	0.05	0.05	0.5
5214	11/19/2003	#N/A	Accepted					181	3.8	126	36.7	2.58	0.038	0.05	0.05	0.79
5221	11/25/2003	#N/A	Accepted					195	2.3	120	34.1	2.5	0.046	0.05	0.05	0.5
5229	12/3/2003	#N/A	Accepted					139	1.1	128	34.8	2.47	0.039	0.05	0.046	0.5
5237	12/10/2003	#N/A	Accepted					166	0.7	122	36	2.45	0.042	0.05	0.05	0.5
5244	12/16/2003	#N/A	Accepted			7.60	300	190	1.07	122	37.9	2.46	0.053	0.05	0.05	0.5
5251	12/23/2003	#N/A	Accepted					181	0.7	134	26.9	2.26	0.051	0.05	0.05	0.5
5259	12/30/2003	#N/A	Accepted					203	0.7	140	39	2.53	0.047	0.05	0.05	0.7
5266	1/6/2004	#N/A	Accepted					193	2	136	40.4	2.53	0.099	0.05	0.05	0.5
5272	1/14/2004	#N/A	Accepted					203	0.4	132	40.2	2.5	0.059	0.05	0.05	0.5
5279	1/21/2004	#N/A	Accepted					193	0.2	138	41.7	2.53	0.055	0.05	0.05	1.15
5284	1/28/2004	#N/A	Accepted					226	0.2	134	42	2.52	0.064	0.05	0.05	0.5
5296	2/10/2004	#N/A	Accepted					225	0.457	160	54.5	3.38	0.072		0.05	0.5
5302	2/17/2004	#N/A	Accepted					213	0.2	144	46.1	2.67	0.077		0.05	0.5
5312	2/24/2004	#N/A	Accepted					216	0.25	156	49.3	2.91	0.046		0.05	0.5
5319	3/2/2004	#N/A	Accepted					216	0.3	148	53	2.9	0.048		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
ROCK																		
5002	9/10/2002	0.0025		160.64	10	0.947	77.3	3.7	0.2	0.05	46.5	2	2	0.5	0.02	0.2	10.8	2.5
1104	7/30/2003	0.0025		151.16	8.11	0.994	86.8	4.1	0.2	0.05	44.6	0.5	2	0.436	0.02	0.1	9.65	0.318
5102	8/13/2003	0.0025	0.0025	140.18	15	0.5	84.7	4.52	0.2	0.05	40.8	0.5	2	0.701	0.0271	0.093	9.29	2.95
5110	8/20/2003	0.0025	0.0025	157.42	9.13	0.5	88.4	4.61	0.2	0.05	46.2	0.956	2	0.62	0.0229	0.1	10.2	2.32
5118	8/27/2003	0.0025	0.0025	144.69	19.6	0.849	68.9	4.51	0.2	0.05	42.9	0.5	2	0.783	0.0479	0.133	9.11	5.37
5126	9/3/2003	0.0025	0.0025	143.92	39.4	0.5	87.5	4.75	0.2	0.05	40.8	0.5	2	0.779	0.11	0.38	10.2	11.7
5134	9/10/2003	0.0025	0.0025	158.33	16.3	0.957	80.4	4.33	0.2	0.05	46.4	0.5	2	0.742	0.0314	0.1	10.3	4.48
5143	9/17/2003	0.0025	0.0025	166.91	10	0.809	72.2	4.11	0.2	0.05	49.5	1.23	2	0.541	0.0257	0.1	10.5	3.21
5151	9/24/2003	0.0025	0.0025	173.57	10	0.766	77.1	3.98	0.2	0.05	52	0.5	2	0.725	0.02	0.1	10.6	2
5159	10/1/2003	0.0025	0.0025	148.38	40.8	0.705	70.5	4.54	0.2	0.05	43.7	1.91	2	0.326	0.0758	0.1	9.52	8.83
5166	10/8/2003	0.0025	0.0025	158.76	321	1.11	90.8	8	0.2	0.05	46.9	0.5	2	0.5	0.436	0.558	10.1	19.4
5174	10/15/2003	0.0025	0.0025	161.23	47.9	1.34	81.5	5.12	0.2	0.05	46.9	1.25	2	0.451	0.107	0.446	10.7	15
5182	10/22/2003	0.0029	0.0025	169.19	19.1	0.768	78.4	4.26	0.2	0.05	49.1	1.25	2	2.5	0.0473	0.215	11.3	6.64
5190	10/29/2003	0.0025	0.00268	155.76	355	0.5	116	8.4	0.2	0.052	45.7	0.635	2	2.29	0.734	0.991	10.1	24.7
5197	11/5/2003	0.0025	0.0025	132.08	53.5	0.662	73.3	3.97	0.2	0.05	39.3	2.46	2	0.5	0.13	0.551	8.23	15.8
5206	11/12/2003	0.0025	0.0025	164.12	10	0.707	65.8	3.93	0.2	0.05	47.4	0.5	2	0.459	0.02	0.109	11.1	1.49
5214	11/19/2003	0.0025	0.0025	164.64	7.7	0.704	69.6	4.25	0.2	0.05	48.1	0.5	2	0.5	0.0217	0.527	10.8	3.76
5221	11/25/2003	0.0025	0.0025	159.08	10	1.5	69.9	4.47	0.2	0.05	46.7	0.5	2	0.418	0.0172	0.1	10.3	3.13
5229	12/3/2003	0.0025	0.0025	153.92	10	0.777	74.7	4.39	0.2	0.05	44.8	0.5	2	0.884	0.0161	0.1	10.2	2.48
5237	12/10/2003	0.0025	0.0025	163.48	10	0.5	81.7	4.72	0.2	0.05	47.8	0.5	2	0.338	0.02	0.1	10.7	2.13
5244	12/16/2003	0.0025	0.0025	168.85	10	0.766	76.2	4.24	0.2	0.05	48.8	0.5	2	0.5	0.02	0.1	11.4	1.54
5251	12/23/2003	0.0025	0.0025	157.96	10	1.64	43.4	4.63	0.2	0.05	47.6	0.5	2	0.662	0.02	0.1	9.48	2.76
5259	12/30/2003	0.0025	0.0025	168.69	10	0.823	82.4	4.35	0.2	0.05	48.9	0.5	2	0.5	0.02	0.1	11.3	1.33
5266	1/6/2004	0.0025	0.0025	170.44	11.8	0.835	28.6	28.6	0.2	0.05	49.6	0.5	2	0.5	0.0345	0.184	11.3	6.11
5272	1/14/2004	0.0025	0.0025	178.25	10	0.819	83.1	4.75	0.2	0.05	51.9	1.97	2	0.5	0.02	0.1	11.8	0.677
5279	1/21/2004	0.0025	0.0025	184.88	10	0.828	80.8	4.9	0.2	0.05	53.4	5.65	2	0.719	0.02	0.1	12.5	1.03
5284	1/28/2004	0.0025	0.0025	184.70	10	0.679	75.2	4.37	0.2	0.05	53	3.35	2	0.5	0.02	0.1	12.7	0.377
5296	2/10/2004	0.0025	0.0025	205.13	10	1.05	69.9	5.15	0.2	0.05	56.9	0.5	2	0.5	0.02	0.1	15.3	2.11
5302	2/17/2004	0.0025	0.0025	189.18	10	1.13	73.5	5.18	0.197	0.146	54.3	0.73	2	0.474	0.02	0.16	13	1.26
5312	2/24/2004	0.0025	0.0025	205.18	10	0.94	78.8	5.37	0.2	0.05	58.4	1.43	2	0.331	0.02	0.1	14.4	1.15
5319	3/2/2004	0.0025	0.0025	206.76	10	0.652	44.9	5.06	0.2	0.05	56.4	0.5	2	0.781	0.02	0.1	16	1.03

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
ROCK																			
5002	9/10/2002		5	1.13	250	237	0.766	2290	0.5	1960	0.134	1.31	2.39	23.5	2.5	1	10	0.838	74.7
1104	7/30/2003	1.1	5	1	15	269	2.5	2610	0.5	1950	0.13	0.5	2.5	44.7	10	1	10	0.648	87.6
5102	8/13/2003	0.5	5	1	15	257	2.5	2850	0.5	2040	0.129	0.5	2.5	40.1	10	1	6.89	0.5	85.1
5110	8/20/2003	1.9	5	1.61	15	276	2.5	2580	0.5	2220	0.134	0.5	2.5	34.4	10	1	10	0.5	86.3
5118	8/27/2003	1.3	5	1	15	246	2.5		0.5	1760	0.122	0.5	2.5	2.5	10	1	6.63	0.986	67.1
5126	9/3/2003	1.3	5	1	15	249	2.5		0.5	1930	0.138	0.5	2.5	22.3	10	1	10	0.856	70.5
5134	9/10/2003	1.2	5	1.34	15	230	2.5		0.5	1930	0.138	0.5	2.5	25.5	10	1	10	0.5	73.9
5143	9/17/2003	1.1	5	2.05	15	215	2.5		0.5	1700	0.14	0.5	2.5	26.1	10	1	10	0.787	72
5151	9/24/2003	1.6	5	1	15	216	2.5		0.5	1770	0.133	0.5	2.5	22.6	10	1	10	0.847	75.8
5159	10/1/2003	2.2	5	0.834	15	248	2.5		0.5	1780	0.125	0.5	2.5	59	10	1.04	7.26	0.748	58.8
5166	10/8/2003	2.1	3.87	1.79	17.7	384	1.6		0.5	2290	0.138	0.5	2.5	78	10	1.81	10.2	0.942	66.5
5174	10/15/2003	2	5	1.36	15	244	2.5		0.5	1980	0.133	0.5	2.5	60.8	10	1	10	0.797	68.2
5182	10/22/2003	1	5	1.44	15	315	2.5		0.5	1860	0.138	0.5	2.5	60.4	10	1	10	0.732	67.8
5190	10/29/2003	2.4	5	2.81	18	316	2.5		0.5	2030	0.132	0.5	2.5	61	10	2.8	10	0.758	71.1
5197	11/5/2003	2.7	5	1.64	15	192	2.5		0.5	1570	0.112	0.5	2.5	34.3	10	1	10	0.711	57.1
5206	11/12/2003	0.5	5	1.23	15	222	2.5		0.5	1960	0.135	0.5	2.5	56.1	10	1	10	0.651	61.7
5214	11/19/2003	1.6	5	0.885	15	212	2.5		0.5	1830	0.132	0.5	2.5	49.3	10	1.97	10	0.676	65
5221	11/25/2003	0.5	5	1.1	15	204	2.5		0.5	1960	0.134	0.5	2.5	56.5	10	3.6	10	0.724	64
5229	12/3/2003	0.5	5	1.15	22.3	220	2.5		0.5	2000	0.129	0.5	2.5	44.1	10	1.61	10	0.807	68.6
5237	12/10/2003	0.5	5	1.1	15	223	2.5		0.5	1840	0.134	0.5	2.5	57.8	10	1	10	0.782	75.2
5244	12/16/2003	0.5	5	1.06	15	220	2.5		0.5	2000	0.138	0.5	2.5	59.1	10	1	10	0.5	74.8
5251	12/23/2003	1.8	5	1.16	15	245	2.5		0.5	1900	0.134	0.5	2.5	63	10	1	10	0.5	42.5
5259	12/30/2003	1.4	5	1.6	15	233	2.5		0.5	1950	0.139	0.5	2.5	62.1	10	2.65	10	0.773	80.7
5266	1/6/2004	0.5	5	1	15	243	2.5		0.5	1950	0.138	0.935	2.5	61.8	10	5.81	10	0.815	78
5272	1/14/2004	0.5	5	1	15	254	2.5		0.5	1880	0.146	1.22	2.5	68.6	10	1.46	10	0.793	78.2
5279	1/21/2004	0.5	5	4.27	15	251	2.5		0.5	1980	0.152	0.655	2.5	58.9	10	2.22	10	0.842	80.9
5284	1/28/2004	1.1	5	1.18	15	200	2.5		0.5	1830	0.15	0.5	2.5	52.7	10	1	10	0.657	74.2
5296	2/10/2004	1.1	5	1.74	15	286	2.5		0.5	2550	0.164	0.5	2.5	54.2	10	2.7	10	0.711	71.8
5302	2/17/2004	1.4	4.17	1.59	15	249	2.5		0.355	2210	0.155	3.07	2.5	49.4	10	2.9	10	0.867	74.7
5312	2/24/2004	2.4	5	1.74	15	281	2.5		0.5	2300	0.169	0.5	2.5	52.9	10	1.32	10	0.994	72.1
5319	3/2/2004	7.5	5	1.54	15	305	2.5		0.5	2270	0.157	0.341	2.5	75.2	10	11.6	10	0.621	46.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
ROCK																			
5002	9/10/2002	3.71	0.2	0.05	39.5	2	2	0.5	0.02	0.453	10	2.5		5	1.03	250	245	1	
1104	7/30/2003	4.16	0.2	0.05	44.8	0.5	2	0.593	0.02	0.1	9.75	0.483		5	0.859	15	245	2.5	
5102	8/13/2003	4.51	0.2	0.05	43.2	1.1	2	0.752	0.02	0.1	9.32	1.22		5	1	15	273	2.5	
5110	8/20/2003	4.51	0.2	0.05	47.4	0.448	2	0.758	0.02	0.1	10.4	0.523		3.37	1.54	15	279	2.5	
5118	8/27/2003	4.24	0.2	0.05	42.4	0.5	2	0.692	0.02	0.1	9.17	2.03		5	1	15	250	2.5	
5126	9/3/2003	4.2	0.2	0.05	45.3	0.5	2	0.455	0.02	0.1	10	1.62		5	1	15	226	2.5	
5134	9/10/2003	4.19	0.2	0.05	39.1	1.32	2	0.621	0.02	0.1	9.41	1.72		5	1	15	247	2.5	
5143	9/17/2003	4.19	0.2	0.05	47.9	1.34	2	0.535	0.02	0.1	10.2	1.28		5	1.77	15	215	2.5	
5151	9/24/2003	4.42	0.2	0.05	50.6	0.5	2	0.557	0.02	0.085	10.3	1.66		5	1.22	15	215	2.5	
5159	10/1/2003	3.99	0.2	0.05	42.2	0.5	2	0.423	0.02	0.1	9.36	2.88		5	1.01	15	258	2.5	
5166	10/8/2003	4.6	0.2	0.05	47.5	0.932	2	0.535	0.02	0.072	10.3	3.65		6.81	1.06	15	259	3.06	
5174	10/15/2003	4.49	0.2	0.05	44.8	0.5	2	0.882	0.02	0.1	10.4	3.73		5	1.26	18.4	296	2.5	
5182	10/22/2003	4.32	0.2	0.05	47.8	0.5	2	0.5	0.02	0.1	9.75	1.55		5	1.41	15	234	2.5	
5190	10/29/2003	4.11	0.2	0.05	48.5	0.5	2	0.5	0.02	0.1	10.8	1.51		5	1.53	15	223	2.5	
5197	11/5/2003	3.19	0.2	0.05	37.7	1.46	2	0.5	0.02	0.1	7.88	0.5		5	1.39	15	213	2.5	
5206	11/12/2003	3.94	0.2	0.05	44.4	0.5	2	0.5	0.02	0.1	10.6	0.619		5	1.02	15	224	2.5	
5214	11/19/2003	4.22	0.2	0.05	45.9	0.5	2	0.5	0.02	0.1	10.5	1.02		5	1.04	15	235	2.5	
5221	11/25/2003	4.14	0.2	0.05	44.1	0.5	2	0.415	0.02	0.1	9.89	2.08		5	1.15	15	232	2.5	
5229	12/3/2003	4.56	0.2	0.05	45.7	0.5	2	0.31	0.02	0.1	10	1.71		5	1.07	15	218	2.5	
5237	12/10/2003	4.21	0.2	0.05	45.5	0.5	2	0.5	0.02	0.1	10	1.38		5	1.11	15	241	2.5	
5244	12/16/2003	4.53	0.2	0.05	48.7	0.5	2	0.5	0.02	0.1	11	1.24		5	1.19	15	252	2.5	
5251	12/23/2003	4.59	0.2	0.05	45.6	0.5	2	0.5	0.02	0.1	9.07	2.15		5	1.07	11	241	2.5	
5259	12/30/2003	4.19	0.2	0.05	47.1	0.5	2	0.5	0.02	0.1	11.1	0.72		5	1.56	9.8	233	2.5	
5266	1/6/2004	4.49	0.2	0.05	48.3	0.5	2	0.5	0.02	0.1	11.1	0.5		5	1	15	235	2.5	
5272	1/14/2004	4.62	0.2	0.05	50.1	1.49	2	0.5	0.02	0.1	11.5	0.5		5	1.09	10.3	233	2.5	
5279	1/21/2004	4.54	0.2	0.05	50.5	1.44	2	0.5	0.02	0.1	12	0.5		5	0.858	10.3	249	2.5	
5284	1/28/2004	4.25	0.2	0.05	49.2	1.7	2	0.5	0.02	0.1	11.8	0.5		5	1.24	15	195	2.5	
5296	2/10/2004	5.23	0.2	0.05	56.8	0.5	2	0.358	0.02	0.1	15.5	1.67		5	1.79	15	306	2.5	
5302	2/17/2004	4.91	0.2	0.05	53.8	0.5	2	0.382	0.02	0.1	12.5	0.791		5.61	1.88	12.2	255	2.5	
5312	2/24/2004	5.48	0.2	0.05	55.5	1.73	2	0.5	0.02	0.1	13.7	1.14		5	1.43	13.1	311	2.5	
5319	3/2/2004	5.08	0.2	0.05	53.4	0.5	2	0.5	0.02	0.1	15.1	0.984		5	1.51	23.6	312	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
ROCK												
5002	9/10/2002	0.4	1960	0.124	0.15	0.5	35.7	2.5	1	4.42	2.89	21%
1104	7/30/2003	0.5	1850	0.13	0.5	2.5	28	10	1	3.90	3.13	11%
5102	8/13/2003	0.5	2090	0.125	0.5	2.49	42.7	10	1	3.85	3.03	12%
5110	8/20/2003	0.5	2360	0.138	0.5	2.85	38.8	10	1	4.23	3.34	12%
5118	8/27/2003	0.5	1790	0.122	0.5	2.5	10.2	10	1	3.68	2.96	11%
5126	9/3/2003	0.5	1860	0.137	0.5	2.5	21.3	10	1	4.04	3.17	12%
5134	9/10/2003	0.5	2070	0.13	0.5	2.5	32	10	1	4.22	2.83	20%
5143	9/17/2003	0.5	1740	0.136	0.5	2.5	24.9	10	1	4.43	3.32	14%
5151	9/24/2003	0.5	1860	0.13	0.5	2.5	20.4	10	1.95	4.32	3.46	11%
5159	10/1/2003	0.5	1800	0.121	0.5	2.5	53.1	10	1	3.76	2.96	12%
5166	10/8/2003	0.5	1920	0.135	0.536	2.5	64.5	10	2.08	4.29	3.31	13%
5174	10/15/2003	0.5	1960	0.129	0.5	2.5	61.8	10	21.9	4.31	3.19	15%
5182	10/22/2003	0.5	1920	0.128	0.5	2.5	56	10	1	4.66	3.28	17%
5190	10/29/2003	0.5	1880	0.135	0.5	2.5	55.8	10	7.95	4.50	3.40	14%
5197	11/5/2003	0.5		0.108	0.5	2.5	36.5	10	1	3.51	2.54	16%
5206	11/12/2003	0.5	1740	0.126	0.5	2.5	55.3	10	1	4.55	3.17	18%
5214	11/19/2003	0.5	2010	0.13	0.5	2.5	52.1	10	1	4.56	3.25	17%
5221	11/25/2003	0.5	1790	0.122	0.5	2.5	51.7	10	1.57	4.28	3.10	16%
5229	12/3/2003	0.5	1940	0.128	0.5	2.5	43.5	10	1	4.48	3.20	17%
5237	12/10/2003	0.5	1970	0.127	0.404	2.5	60.5	10	1	4.42	3.19	16%
5244	12/16/2003	0.5	1900	0.14	0.5	2.5	66.1	10	7.81	4.74	3.43	16%
5251	12/23/2003	0.5	1870	0.13	0.5	2.5	65.3	10	1.17	4.18	3.11	15%
5259	12/30/2003	0.5	1950	0.138	0.5	2.5	63.4	10	2.67	4.96	3.36	19%
5266	1/6/2004	0.5	1930	0.136	0.5	2.5	59.6	10	1	4.93	3.42	18%
5272	1/14/2004	0.5	1950	0.144	0.5	2.5	53.4	10	1.65	4.84	3.54	16%
5279	1/21/2004	0.5	1910	0.145	0.5	2.5	54.2	10	1	5.09	3.60	17%
5284	1/28/2004	0.5	1770	0.144	0.5	2.5	53.6	10	1	4.98	3.51	17%
5296	2/10/2004	0.5	2310	0.164	0.5	2.5	58.1	10	2.66	6.17	4.22	19%
5302	2/17/2004	0.5	2240	0.152	3.18	2.5	45.4	10	3.32	5.40	3.82	17%
5312	2/24/2004	0.5	2410	0.161	0.5	2.5	58.7	10	2.53	5.81	4.01	18%
5319	3/2/2004	0.5	2200	0.149	0.34	2.5	64.5	10	3.44	5.85	4.01	19%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
ROCK																
5327	3/10/2004	#N/A	Accepted					245	0.25	152	49.4	2.94	0.046		0.05	0.5
5333	3/15/2004	#N/A	Accepted					231	0.25	150	51.9	3.03	0.047		0.05	0.45
5340	3/22/2004	#N/A	Accepted					234	3.6	158	26.3	2.99	0.043		0.05	0.5
5346	3/30/2004	#N/A	Accepted					249	0.25	146	48.4	2.67	0.05		0.05	0.5
5351	4/5/2004	#N/A	Accepted					214	0.25	146	47	2.61	0.044		0.05	0.5
5360	4/12/2004	#N/A	Accepted					159	0.5	105	33.7	4.2	0.041		0.05	0.5
5366	4/19/2004	#N/A	Accepted					148	0.4	86	24.7	4.84	0.035		0.05	0.5
5372	4/26/2004	#N/A	Accepted					149	0.2	106	29.7	4.15	0.035		0.05	0.5
5379	5/3/2004	#N/A	Accepted					83.8	85.2	36	7.7	4.92	0.044		0.05	0.5
5388	5/11/2004	#N/A	Accepted					95	7.5	54	13.6	2.81	0.049		0.05	0.5
5396	5/17/2004	#N/A	Accepted					61.3	36.4	31	6.8	2.12	0.05		0.05	0.5
5405	5/24/2004	#N/A	Accepted					76.3	14.8	38	7.6	2.08	0.05		0.05	0.5
5414	6/1/2004	#N/A	Accepted					81.3	1.2	70	16.4	2.37	0.042		0.05	0.5
5424	6/7/2004	#N/A	Accepted					109	0.8	83	19.9	2.4	0.045		0.05	0.5
5432	6/14/2004	#N/A	Accepted					159	0.6	101	25.5	2.56	0.053		0.05	0.5
5441	6/21/2004	#N/A	Accepted					160	0.2	116	27.7	2.58	0.049		0.093	2.33
5450	6/30/2004	#N/A	Accepted					168	1.1	114	28	2.64	0.061		0.05	0.5
5460	7/6/2004	#N/A	Accepted					164	1.5	122	29.9	2.61	0.053		0.05	0.5
5470	7/13/2004	#N/A	Accepted					179	0.6	136	31.8	2.67	0.057		0.05	0.5
5471	7/13/2004	#N/A	Accepted					168	0.4	125	31.8	2.69	0.053		0.05	0.5
5480	7/19/2004	#N/A	Accepted					226	0.5	133	33.9	2.53	0.046		0.05	1
5490	7/26/2004	#N/A	Accepted					123	0.4	128	35.5	2.64	0.043		0.05	1
5500	8/2/2004	#N/A	Accepted					208	0.3	134	36.2	2.61	0.047		0.05	0.5
5510	8/9/2004	#N/A	Accepted					151	46	105	22.6	2.1	0.05		0.05	0.5
5510	8/16/2004	#N/A	Accepted					136	59.2	110	23	2.01	0.063		0.05	0.5
5520	8/23/2004	#N/A	Accepted					160	5.3	118	26.5	2.27	0.05		0.05	0.5
5530	8/30/2004	#N/A	Accepted					175	3.4	122	30.3	2.48	0.075		0.05	0.5
5540	9/7/2004	#N/A	Accepted					168	0.7	129	12.1	0.967	0.038		0.05	0.5
5550	9/13/2004	#N/A	Accepted					171	0.4	132	32.3	2.54	0.056		0.05	0.5
5560	9/20/2004	#N/A	Accepted					188	0.5	127	33.1	2.64	0.034		0.061	0.5
5570	9/27/2004	#N/A	Accepted					169	0.3	143	34.1	2.67	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
ROCK																		
5327	3/10/2004	0.0025	0.0025	197.35	10	0.565	46	4.9	0.2	0.05	52.8	0.964	2	0.5	0.0214	0.1	15.9	1.26
5333	3/15/2004	0.0025	0.0025	203.63	10	0.651	48.9	5.38	0.2	0.05	56.3	4.17	2	0.517	0.02	0.071	15.3	1.29
5340	3/22/2004	0.0079	0.0025	204.28	14	0.673	50.9	5.37	0.2	0.05	55.9	6.15	2	0.591	0.0224	0.177	15.7	3.73
5346	3/30/2004	0.0025	0.0025	198	10	0.5	93.7	4.92	0.2	0.05	55.4	0.5	2	0.5	0.02	0.1	13.7	5.92
5351	4/5/2004	0.0025	0.0025	199.31	10	0.92	106	5.1	0.2	0.05	57.2	3.92	2	0.485	0.02	0.1	13.7	6.12
5360	4/12/2004	0.0025	0.0025	136.04	7.6	2.08	73.9	3.58	0.2	0.25	38.7	0.5	2	0.348	0.0266	0.1	9.56	5.84
5366	4/19/2004	0.0025	0.0025	118.09	17.9	0.479	64.9	3.51	0.2	0.25	34.1	0.5	2	0.568	0.0914	0.1	7.99	10.1
5372	4/26/2004	0.0025	0.0025	142.11	10	0.718	70.9	3.86	0.2	0.25	40.7	0.5	2	0.458	0.0438	0.1	9.82	4.54
5379	5/3/2004	0.0025	0.0025	46.57	1020	0.878	273	11.7	0.4	0.5	13.5	1	4	3.37	4.4	4.16	3.12	87
5388	5/11/2004	0.0025	0.0025	66.42	46.7	0.49	71.6	3.12	0.2	0.25	19.5	0.5	2	0.732	0.151	0.592	4.3	10.2
5396	5/17/2004	0.0025	0.0025	36.33	182	0.571	110	3.85	0.2	0.162	10.8	0.5	2	1.25	0.558	1.48	2.27	26.4
5405	5/24/2004	0.0025	0.0025	46.55	349	0.773	94	4.83	0.2	0.0565	14.1	0.5	2	1.52	0.999	0.887	2.75	17
5414	6/1/2004	0.0025	0.0025	86.68	15.6	0.676	66.1	2.28	0.2	0.25	25.4	0.5	2	0.553	0.0256	0.116	5.64	2.22
5424	6/7/2004	0.0025	0.0025	104.83	27.2	0.952	80.9	3.66	0.2	0.054	31	0.5	2	0.603	0.06	0.123	6.65	1.41
5432	6/14/2004	0.0025	0.0025	129.53	14.8	0.926	89.4	3.33	0.2	0.25	38.2	1.07	2	0.516	0.0205	0.1	8.28	1.47
5441	6/21/2004	0.0058	0.007	136.33	16.2	1.09	93.6	3.94	0.2	0.25	40	1.86	2	0.588	0.02	0.1	8.84	1.31
5450	6/30/2004	0.0025	0.0025	139.69	6.41	1.05	79.6	3.9	0.2	0.25	40.7	0.5	2	0.5	0.02	0.1	9.23	0.704
5460	7/6/2004	0.0025	0.0025	157.17	10.9	1.01	88.6	4.49	0.2	0.25	46.1	3.98	2	0.5	0.02	0.1	10.2	1.46
5470	7/13/2004	0.0025	0.0025	159.58	10	1.14	95.9	4.75	0.2	0.25	46.9	0.705	2	0.5	0.02	0.1	10.3	1.14
5471	7/13/2004	0.0025	0.0025	156.76	10	1.19	94	4.45	0.2	0.25	46.1	0.422	2	0.5	0.02	0.1	10.1	0.742
5480	7/19/2004	0.0025	0.0025	157.16	10	1	86.1	4.4	0.2	0.25	45.6	0.5	2	0.5	0.02	0.1	10.5	1.41
5490	7/26/2004	0.0025	0.0025	170.98	13	1.17	96.7	4.94	0.2	0.25	50.8	0.5	2	0.451	0.02	0.1	10.7	1.72
5500	8/2/2004	0.0025	0.0025	166.48	10	1.24	95.8	4.7	0.2	0.25	49	0.5	2	0.5	0.02	0.1	10.7	1.29
5510	8/9/2004	0.0025	0.0025	123.39	888	1.62	242	14.3	0.2	0.059	36.6	1.48	1.2	2.83	2.41	2.5	7.76	51.8
5510	8/16/2004	0.0025	0.0025	117.31	1040	2.01	152	12.3	0.2	0.25	34.1	1.74	2	1.75	1.86	2.1	7.8	30.8
5520	8/23/2004	0.0025	0.0025	138.14	29.3	0.744	85.4	4.68	0.2	0.25	41.3	0.5	2	0.539	0.103	0.416	8.49	13.8
5530	8/30/2004	0.0025	0.0025	143.83	10	0.914	76.2	4.5	0.2	0.25	42.8	0.5	2	0.461	0.0295	0.1	8.96	10.8
5540	9/7/2004	0.0025	0.0025	151.21	6.38	0.922	74.3	4.31	0.2	0.25	44.7	0.5	2	0.42	0.0258	0.1	9.6	6.18
5550	9/13/2004	0.003	0.0025	152.89	10	1	79.9	5.2	0.2	0.25	44.8	0.5	2	1.72	0.02	0.083	9.95	4.86
5560	9/20/2004	0.003	0.0025	146.62	10	0.914	80.2	5.11	0.2	0.25	42.7	0.5	2	0.427	0.02	0.1	9.7	4.26
5570	9/27/2004	0.0025	0.0025	159.14	10	0.782	73.7	4.23	0.2	0.25	45.9	0.5	2	0.49	0.02	0.1	10.8	2.65

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
ROCK																			
5327	3/10/2004	1.1	5	1.44	15	285	2.5		0.5	2190	0.168	0.5	2.5	73.5	10	1	10	0.59	46.1
5333	3/15/2004	1.1	5	2.46	15.8	304	2.5		0.5	2190	0.156	0.5	2.5	50.8	10	4.42	10	0.624	45.8
5340	3/22/2004	1.6	5	2.64	15	326	2.5		0.5	2310	0.156	0.536	2.5	58.1	10	5.11	10	0.659	45.9
5346	3/30/2004		0.5	1	15	250	2.5		0.5	2200	0.161	0.5	2.5	57.1	10	1	10	0.5	94
5351	4/5/2004	1.6	5	2.02	15	258	2.5		0.5	2120	0.163	1.5	2.5	54.5	10	1.39	10	0.825	106
5360	4/12/2004	1.6	5	1.75	100	358	2.5		0.5	2380	0.108	0.564	0.5	42.5	10	2.5	10	1.35	66.4
5366	4/19/2004	2.4	5	1.59	100	510	2.5		0.5	2590	0.0974	0.5	0.5	19.8	10	2.5	6.84	0.507	62.2
5372	4/26/2004	2.8	5	1.36	100	461	2.5		0.5	2760	0.116	0.5	0.5	43.3	10	2.5	10	0.407	63.6
5379	5/3/2004	8.2	10	5.45	200	780	5		1	2300	0.0462	1	1	19.8	20	10.3	16.2	0.5	37.6
5388	5/11/2004	4.9	3.21	1.7	100	426	2.5		0.5	1900	0.0641	0.859	0.5	19.4	10	2.5	12.9	0.419	53
5396	5/17/2004	6	5	1.79	100	358	2.5		0.5	1370	0.0363	0.5	0.5	13.5	10	3.24	22.4	0.337	44.1
5405	5/24/2004	3.9	5	2.68	100	307	2.5		0.5	1300	0.0387	0.5	0.5	18.1	10	3.28	17.3	0.5	34.8
5414	6/1/2004	2.6	5	1.07	100	249	2.5		0.5	1580	0.072	0.5	0.5	25.3	10	2.5	6.53	0.748	61.7
5424	6/7/2004	0.5	5	1.11	100	316	2.5		0.5	1840	0.0899	0.5	0.5	35.3	10	2.5	7.07	0.756	68.8
5432	6/14/2004	1.2	5	1.12	100	278	2.5		0.5	1930	0.109	0.5	0.5	34	10	2.5	10	0.776	84.7
5441	6/21/2004	1.8	5	1.21	100	281	2.5		0.5	2060	0.116	0.5	0.5	33.8	10	2.5	10	0.867	74.1
5450	6/30/2004	1.2	5	0.67	100	208	2.5		0.5	1990	0.126	0.5	0.5	55.6	10	2.5	10	1.12	85.3
5460	7/6/2004	0.5	5	1.39	100	269	4.21		0.5	2050	0.137	0.5	0.713	46.7	10	2.5	6.32	1.03	85.1
5470	7/13/2004	1.7	5	1.05	100	255	2.5		0.5	2080	0.144	0.5	0.5	59	10	2.5	10	1.17	92.1
5471	7/13/2004	1.4	5	0.786	100	263	2.5		0.5	2100	0.141	0.5	0.5	59.2	10	2.5	10	1.1	90.6
5480	7/19/2004	1.1	5	1.16	100	224	2.5		0.5	1890	0.145	0.5	0.5	46.9	10	2.5	7.2	1.09	92.3
5490	7/26/2004	0.5	5	1.14	100	289	2.5		0.5	2140	0.152	0.5	0.5	46.2	10	11.1	10	1.15	86.8
5500	8/2/2004	2.3	5	1	100	287	2.5		0.5	2390	0.152	0.5	0.5	63	10	2.5	10	1.16	90
5510	8/9/2004	6.6	5	1	100	460	2.5		0.5	1970	0.114	0.5	0.5	45.8	10	5.11	40.1	1.31	76.6
5510	8/16/2004	2.7	5	2.71	100	509	2.5		0.5	2410	0.105	0.5	0.5	43.8	10	4.44	6.76	1.23	59.2
5520	8/23/2004	3	5	1.07	100	250	2.5		0.5	1690	0.124	0.5	0.5	34.7	10	2.5	10	0.788	76.2
5530	8/30/2004	0.5	5	1	100	232	2.5		0.5	2230	0.131	0.5	0.5	36.6	10	2.5	10	0.865	71.7
5540	9/7/2004	0.5	5	1	100	222	2.5		0.5	1970	0.136	0.5	0.5	45.5	10	2.5	10	1.13	67.1
5550	9/13/2004	0.5	5	1.04	100	228	2.5		0.5	1970	0.135	0.5	0.5	56.4	10	2.5	10	0.912	78.4
5560	9/20/2004	1.1	5	0.893	100	263	2.5		0.5	1970	0.131	0.5	0.5	54	10	2.5	10	0.967	79
5570	9/27/2004	0.5	5	0.847	100	209	2.5		0.5	1890	0.137	0.5	0.5	36.2	10	2.5	10	0.983	77.4

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
ROCK																			
5327	3/10/2004	5.34	0.2	0.05	54.9	0.71	2	0.5	0.02	0.1	15.6	1.46		5	1.66	15	293	2.5	
5333	3/15/2004	5.12	0.2	0.05	53.8	1.49	2	0.325	0.02	0.1	14.7	1.13		5	2.47	56.3	302	2.5	
5340	3/22/2004	5.13	0.2	0.05	53.4	7.77	2	0.5	0.02	0.1	15.2	1.24		5	2.5	21.6	324	2.5	
5346	3/30/2004	5.21	0.2	0.05	56.7	0.5	2	0.5	0.02	0.1	13.7	5.64		0.5	1	15	250	2.5	
5351	4/5/2004	4.98	0.2	0.05	57.4	7.49	2	0.443	0.02	0.1	13.8	5.89		5	1.88	15	266	2.5	
5360	4/12/2004	3.88	0.2	0.25	38.7	0.5	2	0.459	0.02	0.1	9.32	4.83		5	1.63	100	369	2.5	
5366	4/19/2004	3.56	0.2	0.25	33.2	0.5	2	0.56	0.0584	0.1	7.85	9.5		5	1.53	100	523	2.5	
5372	4/26/2004	3.43	0.2	0.25	40.2	0.5	2	0.5	0.0173	0.1	9.63	1.35		5	1.77	100	384	2.5	
5379	5/3/2004	0.959	0.2	0.25	12.4	0.5	2	0.383	0.0867	0.1	2.68	7.53		5	0.984	100	647	2.5	
5388	5/11/2004	2.28	0.2	0.25	18.9	0.5	2	0.629	0.0565	0.1	4.17	2.51		5	1.33	100	396	2.5	
5396	5/17/2004	1.5	0.2	0.074	9.62	0.5	2	0.913	0.059	0.1	2.06	1.89		5	0.999	100	307	2.5	
5405	5/24/2004	1.5	0.2	0.25	13.5	0.5	2	0.531	0.0534	0.1	2.64	0.807		5	0.856	100	214	2.5	
5414	6/1/2004	2.39	0.2	0.25	25	5.17	2	1.91	0.02	0.1	5.48	1.12		5	1.02	100	243	2.5	
5424	6/7/2004	2.79	0.2	0.25	29.8	0.5	2	0.464	0.02	0.1	6.4	0.435		5	1	100	254	2.5	
5432	6/14/2004	3.38	0.2	0.25	38.4	1.38	2	0.344	0.02	0.1	8.46	0.569		5	0.942	100	262	2.5	
5441	6/21/2004	3.12	0.2	0.25	39.2	0.614	2	0.5	0.02	0.1	8.55	0.408		5	0.881	100	233	2.5	
5450	6/30/2004	3.65	0.2	0.25	40.6	0.5	2	0.5	0.02	0.1	8.81	0.394		5	0.739	100	246	2.5	
5460	7/6/2004	4.04	0.2	0.25	44	3.49	2	0.5	0.02	0.1	9.96	0.68		5	0.91	100	257	3.66	
5470	7/13/2004	4.42	0.2	0.25	42.2	0.57	2	0.5	0.02	0.1	9.33	0.734		5	0.931	100	239	2.5	
5471	7/13/2004	4.29	0.2	0.25	42.9	0.371	2	0.5	0.02	0.1	9.5	0.451		5	0.853	100	255	2.5	
5480	7/19/2004	5.68	0.2	0.25	46.5	0.5	2	0.5	0.02	0.1	9.71	1.12		5	0.793	100	223	2.5	
5490	7/26/2004	4.52	0.2	0.25	45.8	0.5	2	0.5	0.02	0.1	9.93	0.929		5	1.19	100	207	2.5	
5500	8/2/2004	4.54	0.2	0.25	44.7	0.5	2	0.5	0.02	0.1	10	1.02		5	1	100	272	2.5	
5510	8/9/2004	3.2	0.2	0.25	35.5	0.5	2	0.782	0.0134	0.144	7.33	6.69		5	1	100	290	2.5	
5510	8/16/2004	4.17	0.2	0.25	34.4	0.5	2	0.535	0.02	0.1	7.08	5.42		5	1.04	100	167	2.5	
5520	8/23/2004	4.02	0.2	0.25	39.8	0.5	2	0.467	0.02	0.1	8.6	6.78		5	0.889	100	206	2.5	
5530	8/30/2004	4.3	0.2	0.25	40.7	0.5	2	0.5	0.02	0.1	8.57	9.1		5	1	100	235	2.5	
5540	9/7/2004	4.28	0.2	0.25	41.5	0.5	2	0.5	0.02	0.1	8.98	4.91		5	1	100	206	2.5	
5550	9/13/2004	4.72	0.2	0.25	41.6	0.493	2	0.558	0.02	0.1	9.12	4.29		5	1	100	206	2.5	
5560	9/20/2004	4.98	0.2	0.25	41	0.5	2	0.458	0.02	0.1	9.06	4.49		5	1.4	100	231	2.5	
5570	9/27/2004	4.45	0.2	0.25	44.5	0.5	2	0.623	0.02	0.1	9.8	2.67		5	1	100	225	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
ROCK												
5327	3/10/2004	0.5	2220	0.156	0.5	2.5	76.8	10	1.2	5.74	4.13	16%
5333	3/15/2004	0.5	2220	0.151	0.5	2.5	45.9	10	6.16	5.83	4.00	19%
5340	3/22/2004	0.5	2370	0.15	0.5	2.5	49.7	10	4.53	4.64	4.03	7%
5346	3/30/2004	0.5	2220	0.165	0.5	2.5	52.9	10	4.05	5.56	4.06	16%
5351	4/5/2004	0.5	2160	0.164	0.5	2.5	53.8	10	2.85	5.48	4.11	14%
5360	4/12/2004	0.5	2530	0.11	0.5	0.5	36.5	10	2.97	4.00	2.82	17%
5366	4/19/2004	0.5	2610	0.0969	0.5	0.5	19.7	10	1.5	3.16	2.43	13%
5372	4/26/2004	0.5	2410	0.11	0.5	0.5	43.3	10	2.5	3.81	2.92	13%
5379	5/3/2004	0.5	2550	0.0406	0.5	0.5	9.61	10	1.68	1.26	0.97	13%
5388	5/11/2004	0.5	1790	0.062	0.5	0.5	15.7	10	2.5	1.89	1.38	16%
5396	5/17/2004	0.5	1350	0.0318	0.5	0.5	9.7	10	2.8	1.06	0.72	19%
5405	5/24/2004	0.5	1120	0.0367	0.5	0.5	11.4	10	2.5	1.24	0.95	13%
5414	6/1/2004	0.5	1570	0.0697	0.5	0.5	23.5	10	2.5	2.35	1.78	14%
5424	6/7/2004	0.5	1610	0.0862	0.5	0.5	31.1	10	2.5	2.79	2.09	14%
5432	6/14/2004	0.5	1830	0.108	0.5	0.5	23.3	10	2.5	3.45	2.70	12%
5441	6/21/2004	0.5	1410	0.116	0.5	0.5	40.9	10	2.5	4.00	2.73	19%
5450	6/30/2004	0.5	2000	0.126	0.5	0.5	54.7	10	2.5	3.84	2.85	15%
5460	7/6/2004	0.5	1920	0.134	0.5	0.489	44.9	10	2.5	4.10	3.11	14%
5470	7/13/2004	0.5	2070	0.132	0.5	0.5	57.4	10	2.5	4.48	2.98	20%
5471	7/13/2004	0.5	2100	0.135	0.5	0.5	57.3	10	2.5	4.27	3.03	17%
5480	7/19/2004	0.5	2280	0.14	0.5	0.5	29.5	10	2.5	4.57	3.23	17%
5490	7/26/2004	0.5	1840	0.144	0.5	0.5	50.1	10	5.14	4.55	3.19	18%
5500	8/2/2004	0.5	2240	0.143	0.5	0.5	60.9	10	2.5	4.68	3.16	19%
5510	8/9/2004	0.5	1980	0.109	0.5	0.5	28.6	10	2.5	3.37	2.48	15%
5510	8/16/2004	0.5	2030	0.104	0.5	0.5	32.1	10	2.5	3.49	2.40	19%
5520	8/23/2004	0.5	1740	0.121	0.5	0.5	30.3	10	2.5	3.84	2.78	16%
5530	8/30/2004	0.5	2260	0.126	0.5	0.5	37.1	10	2.5	4.12	2.85	18%
5540	9/7/2004	0.5	1880	0.129	0.5	0.5	39.8	10	2.5	3.27	2.90	6%
5550	9/13/2004	0.5	1870	0.127	0.5	0.5	58.1	10	2.5	4.43	2.92	21%
5560	9/20/2004	0.5	1930	0.123	0.5	0.5	56.8	10	2.5	4.37	2.89	20%
5570	9/27/2004	0.5	1950	0.129	0.5	0.5	31.1	10	2.5	4.75	3.12	21%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
ROCK																
5580	10/4/2004	#N/A	Accepted					180	0.2	126	34.4	2.89	0.05		0.05	
5590	10/11/2004	#N/A	Accepted					175	0.2	120	31.2	3.03	0.05		0.052	
5600	10/21/2004	#N/A	Accepted					151	0.8	109	35.1	4.05	0.05		0.05	0.5
5610	10/25/2004	#N/A	Accepted					166	5.1	111	35.7	4	0.05		0.05	1.1
5620	11/1/2004	#N/A	Accepted					183	1.1	116	38.4	3.51	0.05		0.05	0.5
5630	11/9/2004	#N/A	Accepted					201	0.9	129	40.9	3.14	0.05		0.036	0.5
5640	11/15/2004	#N/A	Accepted					186	1.5	124	37.9	3.04	0.05		0.05	0.5
5650	11/22/2004	#N/A	Accepted					178	2.9	123	37.7	2.89	0.05		0.05	0.5
5660	12/6/2004	#N/A	Accepted					171	2.2	129	39	2.97	0.035		0.05	0.5
5670	12/20/2004	#N/A	Accepted					184	0.3	129	39.3	2.86	0.032		0.05	0.35
5679	1/3/2005	#N/A	Accepted					191	0.25	136	40.6	2.88	0.05		0.05	0.5
5697	3/16/2005	#N/A	Accepted					213	3.4	137	48.5	2.62	0.05		0.05	0.05
5706	4/4/2005	#N/A	Accepted					216	0.5	145	50	2.58	0.05		0.05	0.05
5714	5/16/2005	#N/A	Accepted			7.80	160	48.8	166	62	14.8	2.46	0.05		0.05	0.05
5725	6/6/2005	#N/A	Accepted			8.00	205	125	33.2	87.5	19.6	2.29	0.05		0.05	0.05
5736	7/5/2005	#N/A	Accepted			8.10	265	155	0.8	120	26.2	2.21	0.036		0.05	0.05
5745	8/1/2005	#N/A	Accepted					191	2.7	133	31.5	2.35	0.033		0.05	0.0675
5755	9/26/2005	#N/A	Accepted					125	17.5	73	20.1	3.8	0.05		0.05	0.0545
5768	10/31/2005	#N/A	Accepted					158	3.9	114	34.3	2.79	0.05		0.0415	0.0925
5782	11/16/2005	#N/A	Accepted					190	7.2	132	39.3	2.78	0.037		0.05	0.0715
5796	12/7/2005	#N/A	Accepted					193	0.3	132	42	2.74	0.035		0.05	0.0815
5810	1/4/2006	#N/A	Accepted					190	0.3	138	45.2	2.58	0.034		0.156	0.036
5838	8/30/2006	#N/A	Accepted					190	142	140	33.8	2.48	0.044		0.048	0.05

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
ROCK																		
5580	10/4/2004	0.0025	0.0025	146.32	10	0.518	47.5	2.69	0.2	0.25	42.5	0.5	2	0.5	0.02	0.1	9.75	1.2
5590	10/11/2004	0.0025	0.0025	149.66	10	0.727	73.9	4.06	0.2	0.25	44	0.5	2	0.421	0.0177	0.1	9.65	2.32
5600	10/21/2004	0.0025	0.0025	150.03	19.9	0.624	64.1	4.04	0.2	0.25	43.9	0.5	2	0.417	0.0617	0.127	9.8	5.45
5610	10/25/2004	0.0027	0.003	153.92	18	0.762	77.7	4.4	0.2	0.25	44.8	0.5	2	0.343	0.0634	0.188	10.2	5.89
5620	11/1/2004	0.0025	0.0025	157.62	9.57	0.736	77.1	4.64	0.2	0.25	44.8	0.5	2	0.387	0.0312	0.093	11.1	3.25
5630	11/9/2004	0.004	0.0035	175.16	6.51	0.822	77.4	4.23	0.2	0.25	50.5	1.01	2	0.385	0.0146	0.1	11.9	3.44
5640	11/15/2004	0.004	0.0044	157.64	6.23	0.813	75.8	4.63	0.2	0.25	45.3	1.49	2	0.361	0.0189	0.07	10.8	6.35
5650	11/22/2004	0.0025	0.0025	169.85	6.88	0.809	71.3	4.45	0.2	0.25	49.2	0.5	2	0.328	0.0154	0.069	11.4	2.97
5660	12/6/2004	0.0025	0.0025	164.35	9.44	0.788	76.6	4.28	0.2	0.25	47	0.5	2	0.449	0.0327	0.1	11.4	3.62
5670	12/20/2004	0.0025	0.0025	164.62	10	0.879	78.6	4.36	0.2	0.25	47.6	0.5	2	0.385	0.0122	0.1	11.1	0.506
5679	1/3/2005	0.0025	0.0025	191.50	10	0.5	67.2	3.69	0.2	0.25	54.9	0.5	2	0.5	0.02	0.1	13.2	0.5
5697	3/16/2005	0.0025	0.0025	184.43	10	0.5	80.2	4.72	0.2	0.25	52.4	1.28	2	0.5	0.02	0.1	13	0.5
5706	4/4/2005	0.0025	0.0025	190.63	10	0.5	69.8	4.74	0.2	0.25	53.4	0.5	2	0.5	0.02	0.1	13.9	0.5
5714	5/16/2005	0.0025	0.0025	84.16	3090	0.5	165	38.3	0.2	0.25	23.9	3.82	2	5.36	5.07	3.24	5.94	41.4
5725	6/6/2005	0.007	0.0025	103.91	918	0.69	82.1	12.4	0.2	0.25	30.4	1.23	2	1.22	1.18	0.771	6.79	11.9
5736	7/5/2005	0.0025	0.0025	147.42	10.5	0.967	85.3	4.57	0.2	0.25	43.4	1.51	2	0.5	0.0163	0.1	9.47	1.94
5745	8/1/2005	0.0025	0.0025	170.32	8.88	0.938	86.7	4.67	0.2	0.25	50.7	0.5	2	0.5	0.0174	0.1	10.6	2.3
5755	9/26/2005	0.0025	0.0025	96.14	412	0.8	123	7.46	0.2	0.25	29.2	0.5	2	1.45	1.08	0.823	5.63	22.2
5768	10/31/2005	0.0025	0.0025	154.92	19.1	0.573	67.5	3.53	0.2	0.25	45.2	0.5	2	0.5	0.0827	0.14	10.2	6.48
5782	11/16/2005	0.0025	0.0025	180.82	24.4	0.885	86.1	4.9	0.2	0.25	52.6	0.5	2	0.532	0.13	0.465	12	13.6
5796	12/7/2005	0.0025	0.0025	182.54	8.69	0.855	60.2	4.59	0.2	0.284	52.3	0.5	2	0.316	0.02	0.1	12.6	1.57
5810	1/4/2006	0.0025	0.0025	193.38	10	0.876	73.9	4.61	0.2	0.25	54.5	0.5	2	0.5	0.0133	0.1	13.9	0.36
5838	8/30/2006	0.0025	0.002	173.30	5490	2.97	440	66.6	0.273	0.197	49.1	7.77	5.01	11.7	9.41	7.39	12.3	242

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
ROCK																			
5580	10/4/2004	0.5	5	0.92	100	250	2.5		0.5	1270	0.123	0.5	0.5	14	10	2.8	10	0.855	75.9
5590	10/11/2004	1.8	5	1.64	100	235	2.5		0.5	1830	0.129	0.5	0.5	16.1	10	2.5	10	0.83	76.4
5600	10/21/2004	2.6	5	1.19	100	229	2.5		0.5	1760	0.127	0.5	0.5	37.5	10	2.5	7.75	0.766	63
5610	10/25/2004	1.5	5	1.23	100	227	2.5		0.5	2060	0.129	0.5	0.5	43.9	10	2.5	10	0.679	64.2
5620	11/1/2004	1.5	5	1.23	100	190	2.5		0.5	1990	0.134	0.5	0.5	51.9	10	2.5	10	0.764	74.1
5630	11/9/2004	1.2	5	1.3	100	199	2.5		0.5	2030	0.145	0.5	0.5	33.8	10	2.5	10	0.81	78.5
5640	11/15/2004	0.5	5	1.62	100	234	2.5		0.5	1900	0.132	0.5	0.5	65.2	10	2.5	17.7	0.742	67.8
5650	11/22/2004	1.1	5	1.39	100	208	2.5		0.5	1950	0.142	0.5	0.5	65.9	10	2.5	10	0.821	76.5
5660	12/6/2004	0.5	5	1.28	100	214	2.5		0.5	2200	0.141	0.5	0.5	20	10	2.5	10	0.816	75.1
5670	12/20/2004	0.5	5	1.32	100	211	2.5		0.5	2000	0.141	0.5	0.5	50.7	10	2.5	10	0.773	73.2
5679	1/3/2005	0.5	5	1	100	250	2.5		0.5	1880	0.16	0.5	0.5	17.3	10	2.5	10	0.5	70.4
5697	3/16/2005	0.5	5	1	100	250	2.5		0.5	2150	0.155	0.5	0.5	52.7	10	2.5	10	0.5	71.9
5706	4/4/2005	0.5	5	1	100	250	2.5		0.5	2220	0.157	0.5	0.5	24.7	10	2.5	10	0.5	66.4
5714	5/16/2005	12.4	5	5.29	100	507	2.5		0.5	1810	0.0719	0.5	0.5	75.9	10	10.2	25.8	0.5	40
5725	6/6/2005	3.8	5	2.19	100	314	2.5		0.5	1750	0.0967	0.5	0.5	54.4	10	2.5	11.3	0.682	63.8
5736	7/5/2005	1.2	5	1.24	100	232	2.5		0.5	1940	0.132	0.5	0.5	46.3	10	1.65	10	0.996	81.7
5745	8/1/2005	0.8	5	1.58	100	239	2.5		0.5	1960	0.148	0.5	0.5	39	10	2.5	10	0.989	85
5755	9/26/2005	15.5	5	2.07	100	325	2.5		0.5	2040	0.0762	0.5	0.5	34.2	10	4.39	10.8	0.443	54.7
5768	10/31/2005	1.7	5	1.71	100	182	2.5		0.5	1800	0.127	0.5	0.5	19.6	10	2.5	10	0.689	65.8
5782	11/16/2005	1.4	5	1.82	100	205	2.5		0.5	2040	0.151	0.5	0.5	40.6	10	1.74	10	0.777	63.5
5796	12/7/2005	0.7	5	1.63	100	214	2.5		0.5	1940	0.15	0.5	0.5	41.6	10	2.5	10	0.801	57.7
5810	1/4/2006	0.6	5	1.23	100	293	2.5		0.5	2290	0.171	0.5	0.5	54.3	10	2.5	9.88	0.843	66.7
5838	8/30/2006		5	14.4	110	1370	2.5		0.5	2350	0.147	0.5	0.5	132	12	29.7	34.2	0.986	70.2

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
ROCK																			
5580	10/4/2004	4.19	0.2	0.25	43.7	0.5	2	0.42	0.02	0.1	9.72	1.82		5	0.644	100	218	2.5	
5590	10/11/2004	4	0.2	0.25	42.4	0.5	2	0.516	0.02	0.1	9.34	1.88		5	1.51	100	239	2.5	
5600	10/21/2004	3.92	0.2	0.25	41.6	0.5	2	0.5	0.02	0.1	9.38	2.49		5	1.35	100	250	2.5	
5610	10/25/2004	3.87	0.2	0.25	40.9	0.5	2	0.326	0.02	0.1	9.24	2.35		5	1.23	100	205	2.5	
5620	11/1/2004	4.2	0.2	0.25	46	0.906	2	0.379	0.02	0.1	10.8	1.7		5	1.25	100	216	2.5	
5630	11/9/2004	4.36	0.2	0.25	46.9	2.56	2	0.362	0.02	0.1	11.1	2.61		5	1.41	100	202	2.5	
5640	11/15/2004	4.53	0.2	0.196	44.7	0.5	2	0.31	0.02	0.1	10.5	5.12		5	1.18	100	234	2.5	
5650	11/22/2004	4.58	0.2	0.25	41.3	0.5	2	0.323	0.02	0.1	9.89	1.63		5	1.91	100	216	2.5	
5660	12/6/2004	4.08	0.2	0.25	45.2	0.5	2	0.396	0.02	0.1	10.6	0.934		5	1.42	100	238	2.5	
5670	12/20/2004	3.58	0.2	0.25	48.3	2.15	2	0.5	0.02	0.1	11.3	0.35		5	1.53	100	192	2.5	
5679	1/3/2005	3.92	0.2	0.25	48.2	0.5	2	0.5	0.02	0.1	11.4	0.5		5	1	100	250	2.5	
5697	3/16/2005	4.52	0.2	0.25	52.8	1.47	2	0.5	0.02	0.1	13.1	0.5		5	1	100	250	2.5	
5706	4/4/2005	4.35	0.2	0.25	50.3	0.5	2	0.5	0.02	0.1	13.1	0.5		5	1	100	250	2.5	
5714	5/16/2005	4.83	0.2	0.25	21.8	0.5	2	0.5	0.0455	0.1	4.73	14.9		5	1	100	250	2.5	
5725	6/6/2005	3.8	0.2	0.063	28.7	0.5	2	0.5	0.02	0.1	5.97	5.69		5	1.4	100	248	2.5	
5736	7/5/2005	4.29	0.2	0.25	42.5	1.07	2	0.5	0.02	0.1	9.13	1.58		5	1.39	100	238	2.5	
5745	8/1/2005	4.5	0.2	0.25	50.8	0.5	2	0.5	0.02	0.1	10.5	1.5		5	1.17	100	225	2.5	
5755	9/26/2005	3.52	0.2	0.25	28.8	0.5	2	0.52	0.0172	0.1	5.61	6.49		5	1.26	100	256	2.5	
5768	10/31/2005	3.43	0.2	0.156	43.5	0.5	2	0.5	0.02	0.1	9.99	2.41		5	1.46	100	221	2.5	
5782	11/16/2005	4.31	0.2	0.086	49.8	0.5	2	0.5	0.02	1.03	11.8	5.3		5	1.44	100	213	2.5	
5796	12/7/2005	4.51	0.2	0.194	50.5	0.5	2	0.5	0.02	0.1	12.2	1.35		5	1.43	100	219	2.5	
5810	1/4/2006	4.51	0.2	0.25	53.7	0.343	2	0.5	0.02	0.1	13.8	0.5		5	0.943	100	225	2.5	
5838	8/30/2006	5.09	0.2	0.25	49.8	0.531	2	0.749	0.0074	0.1	10.7	4.02		5	1.55	100	305	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
ROCK												
5580	10/4/2004	0.5	1780	0.126	0.5	0.5	40.8	10	2.5	4.39	3.07	18%
5590	10/11/2004	0.5	1980	0.126	0.5	0.5	22.6	10	2.5	4.11	2.98	16%
5600	10/21/2004	0.5	1950	0.122	0.5	0.5	37.6	10	2.5	4.15	2.94	17%
5610	10/25/2004	0.5	1850	0.118	0.5	0.5	37.9	10	2.5	4.26	2.89	19%
5620	11/1/2004	0.5	2060	0.132	0.5	0.5	44	10	2.5	4.45	3.28	15%
5630	11/9/2004	0.5	2010	0.137	0.5	0.5	35.2	10	2.5	4.83	3.35	18%
5640	11/15/2004	0.5	1900	0.131	0.5	0.5	61.1	10	2.5	4.57	3.19	18%
5650	11/22/2004	0.5	2000	0.122	0.5	0.5	50	10	2.5	4.54	2.97	21%
5660	12/6/2004	0.5	2250	0.13	0.37	0.5	18.5	10	2.5	4.73	3.24	19%
5670	12/20/2004	0.5	1840	0.141	0.5	0.5	2.5	10	2.5	4.73	3.43	16%
5679	1/3/2005	0.5	1890	0.141	0.5	0.5	53.8	10	2.5	4.95	3.44	18%
5697	3/16/2005	0.5	1890	0.154	0.5	0.5	30.7	10	2.5	5.35	3.81	17%
5706	4/4/2005	0.5	2020	0.149	0.5	0.5	38.1	10	2.5	5.59	3.69	21%
5714	5/16/2005	0.5	1730	0.0635	0.5	0.5	21.3	10	2.5	2.29	1.56	19%
5725	6/6/2005	0.5	1660	0.0812	0.5	0.5	32	10	2.5	3.06	2.01	21%
5736	7/5/2005	0.5	1900	0.127	0.5	0.5	44.6	10	2.29	4.06	2.97	16%
5745	8/1/2005	0.5	1890	0.152	0.5	0.5	49.5	10	2.5	4.37	3.49	11%
5755	9/26/2005	0.5	2100	0.0764	0.5	0.5	36.3	10	2.5	2.60	2.00	13%
5768	10/31/2005	0.5	1900	0.122	0.5	0.5	48.8	10	2.5	4.15	3.09	15%
5782	11/16/2005	0.5	1890	0.141	0.5	0.5	17.3	10	3.35	4.77	3.55	15%
5796	12/7/2005	0.5	1930	0.146	0.5	0.5	43.4	10	2.5	4.91	3.62	15%
5810	1/4/2006	0.5	2230	0.167	0.5	0.5	58.3	10	2.94	5.20	3.92	14%
5838	8/30/2006	0.5	2230	0.144	0.5	0.5	67.1	10	2.5	4.63	3.48	14%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
ROCK																
Minimum				0.0	0.0	7.6	160.0	48.8	0.2	31.0	6.8	1.0	0.0	0.1	0.0	0.0
Maximum				0.0	0.0	8.1	300.0	249.0	166.0	160.0	54.5	4.9	0.1	0.1	0.2	2.3
Average				#DIV/0!	#DIV/0!	7.9	232.5	171.8	9.0	119.7	33.3	2.7	0.0	0.1	0.1	0.5
Median				#NUM!	#NUM!	7.9	235.0	175.0	1.0	124.0	34.0	2.6	0.0	0.1	0.1	0.5
Count				0	0	4	4	84	84	84	84	84	84	26	84	82

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
ROCK																		
Minimum		0.0	0.0	36.3	6.2	0.5	28.6	2.3	0.2	0.1	10.8	0.4	1.2	0.3	0.0	0.1	2.3	0.4
Maximum		0.0	0.0	206.8	5490.0	3.0	440.0	66.6	0.4	0.5	58.4	7.8	5.0	11.7	9.4	7.4	16.0	242.0
Average		0.0	0.0	153.9	179.6	0.9	87.9	6.3	0.2	0.2	44.6	1.1	2.1	0.9	0.4	0.4	10.3	10.2
Median		0.0	0.0	158.1	10.0	0.8	78.1	4.6	0.2	0.3	46.3	0.5	2.0	0.5	0.0	0.1	10.3	3.1
Count		84	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
ROCK																			
Minimum		0.5	0.5	0.7	15.0	182.0	0.8	2290.0	0.4	1270.0	0.0	0.3	0.5	13.5	2.5	1.0	6.3	0.3	34.8
Maximum		15.5	10.0	14.4	250.0	1370.0	5.0	2850.0	1.0	2760.0	0.2	3.1	2.5	132.0	20.0	29.7	40.1	1.4	106.0
Average		2.0	5.0	1.7	68.9	288.3	2.5	2573.3	0.5	2001.8	0.1	0.6	1.3	46.1	10.1	3.0	10.9	0.8	70.0
Median		1.3	5.0	1.2	100.0	250.0	2.5	2580.0	0.5	1970.0	0.1	0.5	0.5	46.7	10.0	2.5	10.0	0.8	71.8
Count		81	84	84	84	84	84	3	84	84	84	84	84	83	84	84	84	84	84




ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
ROCK																			
Minimum		1.0	0.2	0.1	9.6	0.3	2.0	0.3	0.0	0.1	2.1	0.4	0.0	0.5	0.6	9.8	167.0	1.0	0.0
Maximum		5.7	0.2	0.3	57.4	7.8	2.0	1.9	0.1	0.5	15.6	14.9	0.0	6.8	2.5	250.0	647.0	3.7	0.0
Average		4.1	0.2	0.2	43.1	1.0	2.0	0.5	0.0	0.1	9.9	2.5	#DIV/0!	5.0	1.2	67.8	255.9	2.5	#DIV/0!
Median		4.3	0.2	0.3	44.7	0.5	2.0	0.5	0.0	0.1	10.0	1.6	#NUM!	5.0	1.1	100.0	241.0	2.5	#NUM!
Count		84	84	84	84	84	84	84	84	83	84	84	0	84	84	84	84	84	0

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
ROCK												
Minimum		0.4	1120.0	0.0	0.2	0.5	2.5	2.5	1.0			
Maximum		0.5	2610.0	0.2	3.2	2.9	76.8	10.0	8.0			
Average		0.5	1976.4	0.1	0.5	1.3	42.4	9.9	2.4			
Median		0.5	1940.0	0.1	0.5	0.5	43.8	10.0	2.5			
Count		84	83	84	84	84	84	84	83			

Highlighting Legend for Data columns

	Highlights datapoints to be excluded from analyses due to unexplained contamination.
	Possibly suspect data, but could be explained by analytical error or sample variability.
	Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SABC or SNAB																
5000	9/10/2002	#N/A	Accepted					134	0.6	92	19.4	2.41	0.1	0.1	0.1	0.21
1101	7/30/2003	#N/A	Accepted					109	0.5	95	21.4	2.07	0.05	0.05	0.063	0.5
5100	8/13/2003	#N/A	Accepted					160	0.215	96.5	22	2.12	0.05	0.05	0.05	0.5
5108	8/20/2003	#N/A	Accepted					135	0.204	97	23.6	2.17	0.05	0.05	0.05	0.5
5116	8/27/2003	#N/A	Accepted					138	0.5	102	23.8	1.99	0.05	0.05	0.05	0.05
5124	9/3/2003	#N/A	Accepted					128	0.4	96	23.9	2.06	0.05	0.05	0.05	0.05
5132	9/10/2003	#N/A	Accepted					148	0.2105	102	25.4	2.25	0.033	0.05	0.107	0.05
5141	9/17/2003	#N/A	Accepted					136	0.2	101	24.6	2.36	0.033	0.05	0.102	0.05
5148	9/24/2003	#N/A	Accepted					139	0.2	96	23.9	2.36	0.05	0.05	0.05	0.05
5156	10/1/2003	#N/A	Accepted					128	0.5	98	25	2.31	0.05	0.05	0.044	0.5
5164	10/8/2003	#N/A	Accepted					144	0.2	100	23.9	2.32	0.05	0.05	0.05	0.5
5172	10/15/2003	#N/A	Accepted					141	0.426	96	24.6	2.42	0.05	0.05	0.049	0.5
5180	10/22/2003	#N/A	Accepted					70	0.2	106	25.2	2.52	0.05	0.05	0.05	0.52
5188	10/29/2003	#N/A	Accepted					144	0.4	100	24.1	2.58	0.05	0.05	0.05	0.5
5195	11/5/2003	#N/A	Accepted					133	0.2	97	25.9	2.36	0.05	0.05	0.05	0.5
5203	11/12/2003	#N/A	Accepted					130	0.2	100	25.4	2.37	0.05	0.05	0.05	0.5
5211	11/19/2003	#N/A	Accepted					140	2.7	100	26.6	2.3	0.031	0.05	0.05	0.62
5219	11/25/2003	#N/A	Accepted					150	0.7	100	25.2	2.38	0.05	0.05	0.05	0.5
5227	12/3/2003	#N/A	Accepted					134	23.5	104	24.7	2.54	0.044	0.05	0.038	0.5
5235	12/10/2003	#N/A	Accepted					133	0.7	94	23.7	2.47	0.038	0.05	0.05	0.5
5242	12/16/2003	#N/A	Accepted			7.30	340	136	0.471	94	24.5	2.78	0.037	0.05	0.05	0.5
5249	12/23/2003	#N/A	Accepted					141	0.2	100	23.6	2.83	0.044	0.05	0.05	0.5
5256	12/30/2003	#N/A	Accepted					144	0.8	98	23	2.78	0.042	0.05	0.05	0.58
5263	1/6/2004	#N/A	Accepted					135	0.4	102	23.8	2.82	0.046	0.05	0.05	0.5
5270	1/14/2004	#N/A	Accepted					151	0.2	94	22.3	2.93	0.042	0.05	0.05	0.5
5277	1/21/2004	#N/A	Accepted					139	0.2	96	21.9	3.04	0.036	0.05	0.05	1.34
5283	1/28/2004	#N/A	Accepted					144	0.2	92	22.3	3.17	0.05	0.05	0.05	0.5
5289	2/3/2004	#N/A	Accepted					143	0.2	92	27	3.65	0.047	0.05	0.05	0.5
5295	2/10/2004	#N/A	Accepted					111	0.25	96	22	3.49	0.05		0.05	0.5
5301	2/17/2004	#N/A	Accepted					140	0.25	96	22.7	3.62	0.076		0.05	0.5
5308	2/23/2004	#N/A	Accepted					127	0.25	90	22.2	3.55	0.032		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SABC or SNAB																		
5000	9/10/2002	0.0025		139.30	10	0.489	1.41	6.7	0.2	0.621	44	2	2	0.5	0.02	0.2	7.13	2.5
1101	7/30/2003	0.0025		120.75	10	0.819	3.22	7.82	0.2	0.05	36.2	0.5	2	0.319	0.0126	0.1	7.36	0.795
5100	8/13/2003	0.0025	0.0056	97.20	10	0.5	2.17	8.73	0.2	0.05	26.6	0.407	2	0.379	0.014	0.1	7.47	2.11
5108	8/20/2003	0.0025	0.0025	118.32	10	0.5	3.31	8.15	0.2	0.05	34.9	0.321	2	0.488	0.0128	0.1	7.56	1.88
5116	8/27/2003	0.0025	0.0025	119.13	10	0.828	1.84	8.83	0.2	0.05	34.5	0.5	2	0.637	0.0277	0.1	8	2.27
5124	9/3/2003	0.0025	0.0025	117.42	7.99	0.5	3.22	8.29	0.2	0.05	33.7	0.5	2	0.507	0.0282	0.1	8.07	2.04
5132	9/10/2003	0.0025	0.0025	118.78	10	0.915	2.28	7.95	0.2	0.05	34	0.509	2	0.503	0.02	0.1	8.22	1.87
5141	9/17/2003	0.0025	0.0025	137.00	10	0.64	2.5	8.12	0.2	0.05	41.6	1.05	2	0.5	0.02	0.1	8.03	0.999
5148	9/24/2003	0.0025	0.0025	124.02	10	0.818	2.35	8.35	0.146	0.123	36.8	0.5	2	0.409	0.02	0.096	7.79	1.5
5156	10/1/2003	0.0025	0.0025	127.54	10	0.791	2.5	8.22	0.2	0.05	37.7	0.576	2	0.5	0.022	0.1	8.1	1.47
5164	10/8/2003	0.0025	0.0025	120.05	10	0.685	2.5	8.82	0.2	0.05	35.1	0.5	2	0.5	0.02	0.098	7.86	1.07
5172	10/15/2003	0.0025	0.0025	123.21	10	0.598	2.5	8.37	0.2	0.05	35.9	0.5	2	2.63	0.02	0.1	8.14	0.909
5180	10/22/2003	0.0025	0.0025	123.75	10	0.584	2.5	7.9	0.2	0.05	36.3	1.36	2	0.5	0.02	0.1	8.03	0.832
5188	10/29/2003	0.0025	0.0025	122.21	10	0.562	2.35	9.2	0.2	0.05	35.7	0.5	2	0.5	0.0249	0.1	8.02	0.897
5195	11/5/2003	0.0026	0.0025	123.06	10	0.758	2.26	7.87	0.2	0.05	36.4	0.588	2	0.5	0.022	0.1	7.8	1.25
5203	11/12/2003	0.0025	0.0025	125.09	10	0.648	2.9	7.81	0.2	0.05	36.8	0.5	2	0.5	0.02	0.1	8.05	1.64
5211	11/19/2003	0.0025	0.0025	123.64	10	0.659	2.5	8.14	0.2	0.05	36.5	0.5	2	0.5	0.0239	0.174	7.88	2.34
5219	11/25/2003	0.0025	0.0025	121.97	10	0.593	2.5	8.47	0.2	0.05	35.9	0.5	2	0.5	0.061	0.1	7.84	1.92
5227	12/3/2003	0.0025	0.0025	123.32	21.1	0.707	2.8	9.49	0.2	0.05	36.9	0.5	2	0.904	0.0853	0.413	7.56	6.09
5235	12/10/2003	0.0025	0.0025	118.70	10	0.5	2.5	8.59	0.2	0.102	35.1	0.5	2	0.5	0.0226	0.1	7.53	1.14
5242	12/16/2003	0.0025	0.0025	119.40	10	0.606	2.5	8.1	0.2	0.05	35.1	0.5	2	0.5	0.02	0.1	7.7	0.924
5249	12/23/2003	0.0025	0.0025	118.78	10	9.74	2.96	8.85	0.2	0.05	35	0.5	2	0.322	0.02	0.1	7.61	1.17
5256	12/30/2003	0.0025	0.0025	112.63	10	0.526	3.06	9.23	0.2	0.05	33.2	0.44	2	0.5	0.0146	0.1	7.21	2.06
5263	1/6/2004	0.0025	0.0025	118.13	10	0.502	2.5	9.53	0.2	0.05	35.2	0.5	2	0.5	0.02	0.1	7.33	1.08
5270	1/14/2004	0.0025	0.0025	113.71	10	0.497	2.5	9.53	0.2	0.05	33.5	2.42	2	0.5	0.0197	0.1	7.29	0.938
5277	1/21/2004	0.0025	0.0044	115.37	10	0.489	2.16	9.4	0.2	0.05	33.9	1.86	2	0.5	0.0218	0.1	7.45	0.975
5283	1/28/2004	0.0025	0.0025	109.4	10	0.5	2.5	9.43	0.2	0.05	35.5	1.58	2	0.5	0.02	0.1	7.45	0.5
5289	2/3/2004	0.0025	0.0025	117.96	10	0.5	2.2	9.56	0.2	0.766	35.1	2.57	2	0.5	0.02	0.1	7.35	0.877
5295	2/10/2004	0.0025	0.0025	109.31	10	0.346	2.06	11	0.2	0.05	32.2	0.5	2	0.5	0.02	0.1	7.01	1.25
5301	2/17/2004	0.0025	0.0025	117.17	10	0.433	2.5	11.2	0.2	0.05	34.9	0.524	2	0.5	0.02	0.1	7.28	1.34
5308	2/23/2004	0.0025	0.0025	119.33	10	0.457	2.5	14.4	0.2	0.05	35.6	0.5	2	0.5	0.02	0.1	7.38	1.35

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SABC or SNAB																			
5000	9/10/2002		5	0.862	250	233	0.731	2000	0.5	1730	0.133	0.15	0.5	17.6	2.5	6.92	60.2	0.479	0.548
1101	7/30/2003	0.5	5	1	15	253	2.5	2150	0.5	1650	0.138	0.5	2.14	34.3	10	1	10	0.527	3.55
5100	8/13/2003	0.5	5	1	15	268	2.5	2010	0.5	1740	0.143	0.5	2.5	31	10	1	10	0.5	1.75
5108	8/20/2003	0.5	5	1.1	15	256	2.5	1910	0.5	1750	0.142	0.5	2.5	28.7	10	1	10	0.5	3.96
5116	8/27/2003	0.5	5	1	15	258	2.5		0.5	1570	0.139	0.5	2.5	4.12	10	2.84	10	0.912	1.71
5124	9/3/2003	0.5	5	1	15	249	2.5		0.5	1720	0.146	0.5	2.1	24	10	1	10	0.783	3.7
5132	9/10/2003	0.5	3.69	0.914	15	239	2.5		0.5	1740	0.152	0.5	2.5	21.6	10	1	10	0.5	2.06
5141	9/17/2003	0.5	5	1.49	15	231	2.5		0.5	1510	0.151	0.5	2.5	18.7	10	1.41	10	0.723	2.5
5148	9/24/2003	0.5	9.5	1	15	238	2.88		0.5	1670	0.142	0.756	2.5	19.4	10	1	10	0.67	2.5
5156	10/1/2003	0.5	5	1	15	256	2.5		0.5	1620	0.143	0.5	2.5	48.8	10	5.61	10	0.865	2.5
5164	10/8/2003	0.5	5	0.64	15	255	2.5		0.5	1780	0.142	0.5	2.5	39.1	10	1	10	0.699	1.5
5172	10/15/2003	0.5	5	0.702	15	256	2.5		0.5	1670	0.144	0.5	2.5	31.5	10	1	10	0.726	2.5
5180	10/22/2003	0.5	5	0.825	15	304	2.5		0.5	1670	0.149	0.5	2.5	31.5	10	1	10	0.604	1.82
5188	10/29/2003	0.5	5	1.06	15	282	2.5		0.5	3580	0.149	0.5	2.5	42.1	10	1	10	0.601	2.5
5195	11/5/2003	0.5	5	0.875	15	213	2.5		0.5	1540	0.141	0.5	2.5	36.2	10	3.33	10	0.967	2.61
5203	11/12/2003	0.5	5	0.805	15	208	2.5		0.5	1590	0.139	0.5	2.5	43.9	10	1	10	0.621	1.94
5211	11/19/2003	0.5	5	0.678	15	215	2.5		0.5	1790	0.137	0.5	2.5	39.7	10	2.58	10	0.65	2.5
5219	11/25/2003	0.5	5	0.792	15	201	2.5		0.5	1760	0.144	0.5	2.5	44.2	10	1	10	0.717	1.88
5227	12/3/2003	2.7	5	0.931	30.1	339	1.51		0.5	1900	0.137	0.5	2.5	37.9	10	6.57	10	0.706	2.5
5235	12/10/2003	1.1	5	0.622	15	208	2.5		0.5	1630	0.138	0.5	2.5	41.4	10	1	10	0.629	2.5
5242	12/16/2003	3.6	5	1	9.6	225	2.5		0.5	4360	0.141	0.5	2.5	42.4	10	5.15	10	0.5	2.16
5249	12/23/2003	1.5	5	0.748	15	260	2.5		0.5	1950	0.144	0.75	2.5	47.1	10	6.18	10	0.422	2.39
5256	12/30/2003	0.5	5	0.953	15	235	2.5		0.5	1880	0.135	0.5	2.5	44.1	10	6.5	10	0.501	1.78
5263	1/6/2004	0.5	5	1	15	230	2.5		0.5	1840	0.138	0.5	2.5	40.8	10	4.26	10	0.525	2.5
5270	1/14/2004	1.6	5	1	15	231	2.5		0.5	1770	0.142	0.5	2.5	43.6	10	1.24	10	0.49	2.5
5277	1/21/2004	0.5	5	1.04	15	236	2.5		0.5	1940	0.148	0.358	2.5	38.6	10	4.67	10	0.475	2.39
5283	1/28/2004		0.5	1	15	250	2.5		0.5	1810	0.147	0.5	2.5	36.3	10	1	10	0.5	2.5
5289	2/3/2004	0.5	5	0.854	15	178	2.5		0.5	1920	0.149	0.5	2.5	34.1	10	4.5	10	0.5	2.5
5295	2/10/2004	0.5	5	0.939	15	215	2.5		0.5	2100	0.146	0.5	2.5	32.1	10	3.32	10	0.5	1.69
5301	2/17/2004	1.6	5	1.04	15	232	2.5		0.5	2120	0.151	0.5	2.5	30.1	10	1.8	10	0.5	2.93
5308	2/23/2004	0.5	5	0.918	15	279	2.5		0.5	2360	0.154	0.5	2.5	32.1	10	1	10	0.432	2.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SABC or SNAB																			
5000	9/10/2002	7.68	0.2	0.05	31.4	2	2	0.5	0.02	0.1	6.83	2.5		5	0.679	250	225	1	
1101	7/30/2003	8.35	0.2	0.105	35.4	0.5	2	0.5	0.04	0.145	7.3	1.77		9.09	0.642	15	245	3.95	
5100	8/13/2003	8.67	0.2	0.05	35.9	0.5	2	0.5	0.0154	0.1	7.69	1.9		5	1	15	275	2.5	
5108	8/20/2003	8.73	0.2	0.05	37.3	0.368	2	0.5	0.02	0.1	7.68	0.502		5	1.02	15	252	2.5	
5116	8/27/2003	8.35	0.2	0.05	37.9	0.5	2	0.5	0.02	0.1	7.98	1.69		5	1	15	239	2.5	
5124	9/3/2003	7.62	0.2	0.05	37.5	0.5	2	0.5	0.02	0.1	8.09	1.58		5	1	15	222	2.5	
5132	9/10/2003	8.97	0.2	0.05	34	0.605	2	0.5	0.02	0.1	7.63	1.62		5	1	15	264	2.5	
5141	9/17/2003	8.41	0.2	0.05	38.1	0.885	2	0.5	0.02	0.1	7.8	0.886		5	1.36	15	223	2.5	
5148	9/24/2003	8.69	0.2	0.05	37.5	0.5	2	0.5	0.02	0.1	7.45	1.2		5	0.807	15	228	2.5	
5156	10/1/2003	8.44	0.2	0.05	36.4	0.5	2	0.5	0.02	0.1	7.66	1.39		5	0.844	20.4	250	2.5	
5164	10/8/2003	8.43	0.2	0.05	36.8	0.5	2	0.5	0.02	0.1	7.86	1.01		5	0.663	15	234	2.5	
5172	10/15/2003	8.38	0.2	0.05	36.3	0.5	2	0.5	0.02	0.1	7.99	0.889		5	0.746	15	286	2.5	
5180	10/22/2003	8.34	0.2	0.05	45.3	0.5	2	0.5	0.806	0.1	10.1	0.691		5	1.09	15.4	254	2.5	
5188	10/29/2003	8.3	0.2	0.05	44.3	0.5	2	0.5	0.02	0.1	7.75	0.79		5	1.22	16.4	245	2.5	
5195	11/5/2003	7.91	0.2	0.05	36.1	0.457	2	0.5	0.02	0.1	7.51	0.5		5	1.01	15	232	2.5	
5203	11/12/2003	7.93	0.2	0.05	35.7	0.5	2	0.5	0.02	0.1	7.71	1.48		5	0.771	12.8	246	2.5	
5211	11/19/2003	8.12	0.2	0.05	36.1	0.5	2	0.5	0.02	0.1	7.57	1.28		5	0.663	15	230	2.5	
5219	11/25/2003	8.67	0.2	0.05	34.9	0.5	2	0.5	0.02	0.1	7.63	1.63		5	0.696	28.7	214	2.5	
5227	12/3/2003	9.31	0.2	0.05	35.9	0.5	2	0.5	0.0158	0.102	7.57	1.25		5	0.82	15	292	2.5	
5235	12/10/2003	8.49	0.2	0.05	33.6	0.5	2	0.5	0.02	0.1	6.88	1.15		5	0.725	12.9	211	2.5	
5242	12/16/2003	8.91	0.2	0.05	35.4	0.5	2	0.5	0.0135	0.1	7.55	0.815		5	0.837	15	247	2.5	
5249	12/23/2003	8.74	0.2	0.05	34.3	0.5	2	0.5	0.02	0.1	7.05	0.788		5	0.771	15	254	2.5	
5256	12/30/2003	8.9	0.2	0.05	33.3	0.5	2	0.5	0.02	0.1	7.05	1.53		5	1.08	15	223	2.5	
5263	1/6/2004	9.72	0.2	0.05	33.8	0.5	2	0.5	0.02	0.1	7.06	0.965		5	1	9.65	234	2.5	
5270	1/14/2004	9.49	0.2	0.05	34.2	0.776	2	0.5	0.02	0.1	7.02	0.879		5	0.674	15	224	2.5	
5277	1/21/2004	9.36	0.2	0.05	34	0.435	2	0.5	0.02	0.1	7.05	0.809		5	1	15	221	2.5	
5283	1/28/2004	9.25	0.2	0.05	32.5	2.33	2	0.5	0.02	0.1	6.87	0.5		0.5	1	15	250	2.5	
5289	2/3/2004	9.36	0.2	0.05	33.6	2.1	2	0.5	0.02	0.1	7.07	0.683		5	0.905	15	184	2.5	
5295	2/10/2004	11.3	0.2	0.05	33.1	0.5	2	0.5	0.02	0.1	7.12	1.09		5	1.02	15	239	2.5	
5301	2/17/2004	11.8	0.2	0.05	34.5	0.5	2	0.5	0.0139	0.1	7.12	0.627		5	1.13	9.96	241	2.5	
5308	2/23/2004	11.3	0.2	0.05	34.9	0.799	2	0.5	0.02	0.1	7.35	1.25		5	0.991	15	234	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SABC or SNAB												
5000	9/10/2002	0.5	1690	0.128	0.15	0.5	17.4	2.5	1	2.93	2.22	14%
1101	7/30/2003	0.5	1670	0.136	0.792	6.67	29.9	10	1	3.11	2.45	12%
5100	8/13/2003	0.5	1690	0.144	0.5	2.5	29.5	10	1	3.17	2.51	12%
5108	8/20/2003	0.5	1710	0.143	0.5	2.5	28.2	10	1	3.26	2.58	12%
5116	8/27/2003	0.5	1470	0.137	0.5	2.5	4.96	10	1	3.34	2.62	12%
5124	9/3/2003	0.5	1570	0.147	0.5	2.5	21.6	10	1	3.22	2.61	10%
5132	9/10/2003	0.5	1800	0.145	0.5	2.5	25	10	1	3.43	2.41	17%
5141	9/17/2003	0.5	1560	0.147	0.5	2.5	22.4	10	1	3.37	2.62	13%
5148	9/24/2003	0.5	1770	0.136	0.5	2.5	18.1	10	1	3.23	2.57	11%
5156	10/1/2003	0.5	1640	0.14	0.5	2.5	51.7	10	1.81	3.36	2.53	14%
5164	10/8/2003	0.5	1620	0.144	0.5	2.5	48.6	10	1	3.34	2.56	13%
5172	10/15/2003	0.5	1720	0.142	0.5	2.5	33.9	10	1.17	3.30	2.55	13%
5180	10/22/2003	0.5	1840	0.277	0.5	2.5	43.7	10	1	3.54	3.21	5%
5188	10/29/2003	0.5	1850	0.143	0.5	2.5	42.2	10	4.34	3.36	2.94	7%
5195	11/5/2003	0.5	1580	0.138	1	2.5	34.5	10	1	3.39	2.50	15%
5203	11/12/2003	0.5	1600	0.135	0.5	2.5	47.8	10	1	3.42	2.49	16%
5211	11/19/2003	0.5	1670	0.132	0.5	2.5	41.6	10	1.71	3.49	2.50	16%
5219	11/25/2003	0.5	1760	0.134	0.5	2.5	37.6	10	3.8	3.41	2.45	16%
5227	12/3/2003	0.5	1910	0.139	0.5	2.5	33.6	10	3.87	3.47	2.51	16%
5235	12/10/2003	0.5	1820	0.127	0.5	2.5	34.3	10	7.46	3.21	2.33	16%
5242	12/16/2003	0.5	2080	0.141	0.99	2.5	43	10	34.1	3.47	2.49	17%
5249	12/23/2003	0.5	1940	0.139	0.5	2.5	45	10	2.17	3.34	2.38	17%
5256	12/30/2003	0.5	1830	0.135	0.5	2.5	42	10	1.89	3.27	2.33	17%
5263	1/6/2004	0.5	1890	0.133	0.5	2.5	40.9	10	2.1	3.39	2.36	18%
5270	1/14/2004	0.5	1850	0.139	0.5	2.5	36.9	10	2.97	3.15	2.37	14%
5277	1/21/2004	0.5	1890	0.142	1.3	2.5	37.1	10	1	3.23	2.37	15%
5283	1/28/2004	0.5	1930	0.139	0.5	2.5	38.5	10	2.97	3.12	2.28	16%
5289	2/3/2004	0.5	1940	0.14	0.5	2.5	35.2	10	3.54	3.37	2.35	18%
5295	2/10/2004	0.5	2020	0.146	0.5	2.5	33.7	10	1.68	3.19	2.33	15%
5301	2/17/2004	0.5	2240	0.151	0.68	2.5	29.7	10	2.05	3.23	2.41	14%
5308	2/23/2004	0.5	2090	0.153	0.5	2.5	28.8	10	1.71	3.08	2.45	11%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SABC or SNAB																
5315	3/1/2004	#N/A	Accepted					126	0.2	92	22.2	3.49	0.032		0.05	0.5
5322	3/8/2004	#N/A	Accepted					129	0.6	98	22.8	3.5	0.032		0.05	0.5
5329	3/15/2004	#N/A	Accepted					151	0.25	90	23.2	3.73	0.032		0.05	0.46
5336	3/22/2004	#N/A	Accepted					136	0.3	96	22.5	3.47	0.05		0.05	0.5
5343	3/30/2004	#N/A	Accepted					154	0.25	94	22.1	3.79	0.05		0.05	0.5
5354	4/6/2004	#N/A	Accepted					138	0.5	92	21.7	3.72	0.05		0.05	0.5
5357	4/12/2004	#N/A	Accepted					120	0.2	89	21.8	3.68	0.038		0.05	0.5
5363	4/19/2004	#N/A	Accepted					146	1.8	92	22.9	3.18	0.05		0.05	0.5
5370	4/26/2004	#N/A	Accepted					143	0.4	98	23	3.25	0.05		0.05	0.5
5377	5/3/2004	#N/A	Accepted					116	8.3	74	17.1	3.02	0.042		0.05	0.5
5385	5/11/2004	#N/A	Accepted					116	2.6	71	15.7	2.77	0.042		0.05	0.5
5393	5/17/2004	#N/A	Accepted					47.5	15.6	33	6.35	1.94	0.05		0.05	0.5
5402	5/24/2004	#N/A	Accepted					77.5	10.1	37	6.43	1.77	0.039		0.05	0.5
5412	6/1/2004	#N/A	Accepted					81.3	2.1	61	12.8	1.89	0.05		0.05	0.5
5421	6/7/2004	#N/A	Accepted					98.8	0.9	72	15.4	1.99	0.05		0.05	0.5
5430	6/14/2004	#N/A	Accepted					123	0.7	85	19.4	2.37	0.046		0.05	0.5
5439	6/21/2004	#N/A	Accepted					131	0.25	94	20.4	2.67	0.062		0.132	1.8
5448	6/30/2004	#N/A	Accepted					126	0.3	90	20.9	2.45	0.043		0.05	1.76
5458	7/6/2004	#N/A	Accepted					130	1.7	94	20.7	2.57	0.045		0.05	1.5
5468	7/13/2004	#N/A	Accepted					133	2.2	94	20.6	2.7	0.049		0.05	0.5
5478	7/19/2004	#N/A	Accepted					143	1.6	101	21.4	2.84	0.04		0.05	1
5488	7/26/2004	#N/A	Accepted					106	1.8	88.5	20.8	2.99	0.046		0.098	1
5498	8/2/2004	#N/A	Accepted					141	1.5	93	22	3.02	0.05		0.073	0.5
5508	8/9/2004	#N/A	Accepted					146	1.7	101	20.8	2.11	0.05		0.05	0.5
5508	8/16/2004	#N/A	Accepted					135	2.2	94	20	1.76	0.058		0.05	0.75
5518	8/23/2004	#N/A	Accepted					164	0.3	103	21.3	2.07	0.078		0.465	0.5
5528	8/30/2004	#N/A	Accepted					133	0.6	100	0.05	2.39	0.05		0.05	0.5
5538	9/7/2004	#N/A	Accepted					139	0.3	102	22.4	2.39	0.05		0.05	0.5
5548	9/13/2004	#N/A	Accepted					143	0.4	102	22.4	2.58	0.032		0.05	0.5
5558	9/20/2004	#N/A	Accepted					145	0.2	95	22.3	2.67	0.05		0.046	0.5
5568	9/27/2004	#N/A	Accepted					130	0.25	92	22.3	2.9	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SABC or SNAB																		
5315	3/1/2004	0.0025	0.0025	117.38	10	0.408	2.47	10.8	0.2	0.05	34.9	0.5	2	0.5	0.02	0.1	7.33	1.22
5322	3/8/2004	0.003	0.004	120.28	10	0.446	2.53	11.3	0.2	0.05	35.7	0.5	2	0.5	0.02	0.1	7.55	0.998
5329	3/15/2004	0.0025	0.0025	113.97	10	0.438	2.5	11.6	0.2	0.151	33.8	5.23	2	0.348	0.0382	0.1	7.17	1.14
5336	3/22/2004	0.0025	0.0025	114.72	10	0.39	2.5	10.7	0.2	0.05	34.2	5.14	2	0.5	0.02	0.1	7.11	0.871
5343	3/30/2004	0.0025	0.0025	115.7	10	0.5	2.5	10.3	0.2	0.05	34.6	0.5	2	3.34	0.02	0.1	7.27	0.5
5354	4/6/2004	0.0025	0.0025	118.72	10	0.425	2.5	10.2	0.2	0.05	35.7	0.5	2	0.5	0.088	0.1	7.17	0.679
5357	4/12/2004	0.0025	0.0025	113.97	10	0.548	2.25	9.9	0.2	0.25	33.9	0.5	2	0.5	0.0171	0.1	7.11	1.82
5363	4/19/2004	0.0025	0.0025	118.71	8.31	0.426	1.85	8.77	0.2	0.25	35.3	0.5	2	0.338	0.0397	0.1	7.41	4.48
5370	4/26/2004	0.0025	0.0025	122.97	14.7	0.926	5	17.8	0.4	0.5	36.3	1	4	1	0.0614	0.2	7.84	1.36
5377	5/3/2004	0.0025	0.0025	86.19	54.8	0.521	3.09	6.71	0.2	0.25	25.6	0.5	2	0.456	0.117	0.187	5.4	12.2
5385	5/11/2004	0.0025	0.0025	83.74	15.8	0.615	2.27	6.5	0.2	0.087	24.8	0.5	2	0.355	0.0343	0.1	5.29	4.35
5393	5/17/2004	0.0025	0.0025	36.79	123	0.574	5.19	4.63	0.2	0.157	10.9	0.441	2	0.906	0.279	0.398	2.32	26.1
5402	5/24/2004	0.0025	0.0025	41.73	229	0.618	4.39	5.01	0.2	0.25	12.6	0.5	2	1	0.478	0.317	2.49	16.9
5412	6/1/2004	0.0025	0.0025	75.60	20.3	0.969	3.45	4.81	0.2	0.25	22.3	0.5	2	0.389	0.0479	0.065	4.83	4.28
5421	6/7/2004	0.0025	0.0025	88.06	27.6	1.09	1.53	6.76	0.2	0.25	26.2	0.5	2	0.442	0.0595	0.101	5.49	3.09
5430	6/14/2004	0.0025	0.0025	103.34	7.68	0.973	2.14	7.06	0.2	0.25	30.7	0.839	2	0.441	0.02	0.1	6.47	1.94
5439	6/21/2004	0.02	0.016	110.20	10	0.929	1.71	7.74	0.2	0.25	32.9	1.73	2	0.5	0.0288	0.1	6.8	1.49
5448	6/30/2004	0.0025	0.0025	108.40	10	0.805	1.77	7.61	0.2	0.25	32.1	0.5	2	0.5	0.02	0.1	6.85	1.38
5458	7/6/2004	0.0025	0.0025	118.38	10	0.637	3.33	7.92	0.2	0.25	35.3	3.85	2	0.5	0.02	0.1	7.33	1.57
5468	7/13/2004	0.0025	0.0025	115.81	19.1	0.671	2.15	8.96	0.2	0.25	34.7	0.413	2	0.5	0.0835	0.083	7.07	4.13
5478	7/19/2004	0.0025	0.0025	115.27	10	0.568	1.9	8.01	0.2	0.25	34.6	0.5	2	0.5	0.02	0.1	7	1.72
5488	7/26/2004	0.0025	0.0025	114.82	9.14	0.549	2.5	9.15	0.2	0.25	34.8	0.5	2	0.5	0.02	0.1	6.77	3.11
5498	8/2/2004	0.0025	0.0025	112.91	10	0.665	3.55	8.55	0.2	0.25	34	0.5	2	0.5	0.0189	0.1	6.79	3.32
5508	8/9/2004	0.0025	0.0025	120.99	6.22	0.857	2.93	7.77	0.2	0.25	36.1	0.5	2	0.5	0.027	0.131	7.48	4.3
5508	8/16/2004	0.0025	0.0025	106.19	10	0.871	1.64	7.74	0.2	0.25	31	0.5	2	0.5	0.081	0.1	6.98	5.86
5518	8/23/2004	0.0025	0.0025	117.10	10	0.782	3.28	7.79	0.2	0.25	35.1	0.5	2	0.5	0.0181	0.1	7.14	3.88
5528	8/30/2004	0.0025	0.0025	115.52	10	0.843	2.84	8.41	0.2	0.25	34.7	0.5	2	0.5	0.0148	0.1	7	2.94
5538	9/7/2004	0.0027	0.0025	117.75	10	0.71	1.64	8.5	0.2	0.25	35	0.5	2	0.5	0.0176	0.1	7.36	2.46
5548	9/13/2004	0.003	0.0027	116.47	10	0.786	1.63	9.67	0.2	0.25	34.8	0.5	2	0.5	0.02	0.1	7.17	2.29
5558	9/20/2004	0.0029	0.0025	113.90	10	0.705	1.56	9.66	0.2	0.25	34.2	0.5	2	0.5	0.02	0.1	6.91	1.82
5568	9/27/2004	0.0025	0.0025	117.62	10	0.562	1.87	8.04	0.2	0.25	34.8	0.5	2	0.5	0.02	0.1	7.45	1.27

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SABC or SNAB																			
5315	3/1/2004	0.5	5	0.839	15	254	2.5		0.5	2090	0.15	0.475	2.5	40.6	10	1	10	0.403	1.88
5322	3/8/2004	0.5	5	0.98	15	226	2.5		0.5	2100	0.151	0.5	2.5	44.3	10	1.85	10	0.379	2.5
5329	3/15/2004	0.5	5	1.36	15.3	206	2.5		0.5	2160	0.151	0.5	2.5	29.9	10	1.42	10	0.43	2.5
5336	3/22/2004	0.5	5	1.38	15	219	2.5		0.5	2100	0.146	0.5	2.5	34.4	10	1	10	0.398	1.57
5343	3/30/2004		0.5	1	15	250	2.5		0.5	2280	0.155	0.5	2.5	31.6	10	3.09	10	0.5	2.5
5354	4/6/2004	0.5	5	1.19	15	208	2.5		0.5	2080	0.154	0.5	2.5	31.7	10	1	10	0.367	2.5
5357	4/12/2004	0.5	5	1.17	100	260	2.5		0.5	2090	0.139	0.5	0.5	30.8	10	2.5	10	2.48	3.25
5363	4/19/2004	0.5	5	1.28	100	270	2.5		0.5	1900	0.139	0.5	0.5	20.8	10	2.5	10	0.416	2.5
5370	4/26/2004	0.5	10	2	200	611	5		1	4760	0.145	1	1	57.2	20	5	10	0.36	2.5
5377	5/3/2004	2.8	5	1.38	100	369	2.5		0.5	1920	0.106	0.5	0.5	30	10	2.5	10	0.438	2.5
5385	5/11/2004	2.4	5	1.15	100	322	2.5		0.5	1790	0.101	0.5	0.5	28.8	10	2.5	7.12	0.526	2.5
5393	5/17/2004	4	6.8	1.31	100	399	1.53		0.5	1210	0.0429	1.08	1.4	13.9	10	3.3	24.4	0.413	2.47
5402	5/24/2004	4.5	5	1.29	100	284	2.5		0.5	1070	0.042	0.5	0.5	15.7	10	2.48	20.7	0.48	2.88
5412	6/1/2004	1.5	5	0.847	100	193	2.5		0.5	1310	0.0808	0.611	0.5	22.6	10	2.5	10	1.07	2.72
5421	6/7/2004	0.5	5	0.799	100	235	2.5		0.5	1490	0.097	0.544	0.59	28.6	10	2.5	10	0.947	2.07
5430	6/14/2004	0.5	5	0.884	100	247	2.5		0.5	1720	0.114	0.5	0.5	29.1	10	2.5	10	0.7	2.5
5439	6/21/2004	0.5	5	0.947	100	241	2.5		0.5	1840	0.126	0.5	0.5	28.4	10	2.5	10	0.757	2.47
5448	6/30/2004	0.5	5	1	100	189	2.5		0.5	1630	0.128	0.5	0.5	33.5	10	2.5	10	0.842	1.5
5458	7/6/2004	0.5	5	0.753	100	233	5.55		0.5	1740	0.138	0.5	0.705	33.9	10	2.5	10	0.714	2.5
5468	7/13/2004	2.4	5	1	100	240	2.5		0.5	1870	0.141	0.5	0.5	36.2	10	2.5	10	0.639	2.5
5478	7/19/2004	2.1	5	0.648	100	198	2.5		0.5	1650	0.138	0.5	0.5	28.6	10	2.5	10	0.633	2.5
5488	7/26/2004	0.5	5	0.679	100	267	2.5		0.5	1950	0.14	0.5	0.5	31.5	10	2.5	10	0.58	2.2
5498	8/2/2004	1.7	5	1	100	287	2.5		0.5	2190	0.14	0.5	0.5	43.7	10	2.5	10	0.633	2.19
5508	8/9/2004	1.4	5	1	100	258	2.5		0.5	1500	0.138	0.5	0.5	25.8	10	2.5	10	0.996	2.95
5508	8/16/2004	0.5	5	1	100	151	2.5		0.5	1350	0.118	0.5	0.5	15.5	10	2.5	10	0.88	3.17
5518	8/23/2004	0.5	5	1	100	250	2.5		0.5	1560	0.136	0.5	0.5	36	10	2.5	10	0.915	1.9
5528	8/30/2004	1	5	1	100	223	2.5		0.5	1840	0.139	0.5	0.5	29.6	10	2.5	10	0.815	1.64
5538	9/7/2004	0.5	5	1	100	213	2.5		0.5	1790	0.141	0.5	0.5	35.9	10	2.5	10	0.702	2.5
5548	9/13/2004	0.5	5	0.709	100	250	2.5		0.5	1820	0.136	0.5	0.5	43.4	10	2.5	10	0.657	2.5
5558	9/20/2004	0.5	5	1	100	272	2.5		0.5	1840	0.133	0.5	0.5	41	10	2.5	10	0.758	2.5
5568	9/27/2004	0.5	5	1	100	225	2.5		0.5	1800	0.14	0.5	0.5	25.1	10	2.5	10	0.679	1.59

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SABC or SNAB																			
5315	3/1/2004	11	0.2	0.05	34.2	0.5	2	0.5	0.02	0.1	7.13	1.27		5	0.982	11.3	267	2.5	
5322	3/8/2004	10.8	0.2	0.05	34.5	0.5	2	0.5	0.02	0.1	7.24	0.907		5	1.06	15	231	2.5	
5329	3/15/2004	10.4	0.2	0.05	30.1	0.745	2	0.5	0.02	0.1	5.75	0.968		5	1.69	92.4	199	2.5	
5336	3/22/2004	10.6	0.2	0.05	31.7	4.21	2	0.5	0.02	0.1	6.96	1.01		5	1.52	20	225	2.5	
5343	3/30/2004	11.1	0.2	0.05	34.4	0.5	2	0.5	0.02	0.1	7.23	0.5		0.5	1	15	250	2.5	
5354	4/6/2004	10.5	0.2	0.05	33.6	1.76	2	0.5	0.02	0.1	6.98	0.827		5	1.15	17.6	225	2.5	
5357	4/12/2004	10	0.2	0.25	32.7	0.5	2	0.5	0.0393	0.077	7.01	1.73		5	1.31	100	258	1.79	
5363	4/19/2004	9.03	0.2	0.25	34.9	0.5	2	0.5	0.02	0.1	7.18	4.05		5	1.48	100	306	2.5	
5370	4/26/2004	7.91	0.2	0.25	36.3	0.5	2	0.5	0.02	0.1	7.56	0.5		5	1.21	100	227	2.5	
5377	5/3/2004	5.94	0.2	0.25	23.8	0.5	2	0.5	0.0205	0.1	5.25	1.44		5	1.16	100	361	2.5	
5385	5/11/2004	6.03	0.2	0.25	24.4	0.5	2	0.5	0.02	0.1	5.12	1.82		5	1.36	100	325	2.5	
5393	5/17/2004	3.24	0.2	0.25	9.8	0.5	2	0.5	0.0535	0.1	2.14	1.71		5	0.636	100	353	2.5	
5402	5/24/2004	3.11	0.2	0.25	12.6	0.5	2	0.5	0.0534	0.1	2.5	2.29		5	1	100	246	2.5	
5412	6/1/2004	4.26	0.2	0.25	19.6	0.5	2	0.5	0.02	0.287	4.19	1.84		5	0.731	100	167	2.5	
5421	6/7/2004	5.37	0.2	0.25	25.4	0.5	2	0.5	0.02	0.1	5.31	1.84		5	1	100	183	2.5	
5430	6/14/2004	7.3	0.2	0.25	31.7	0.5	2	0.5	0.02	0.1	6.61	1.36		5	0.796	100	218	2.5	
5439	6/21/2004	6.48	0.2	0.25	32.6	0.5	2	0.5	0.02	0.1	6.58	1.1		5	0.725	100	196	2.5	
5448	6/30/2004	7.56	0.2	0.25	32	0.5	2	0.5	0.02	0.1	6.62	1.16		5	1	100	211	2.5	
5458	7/6/2004	8.01	0.2	0.25	32.9	3.45	2	0.5	0.02	0.1	6.99	1.5		5	0.69	100	232	5.09	
5468	7/13/2004	8.37	0.2	0.25	31.4	0.5	2	0.5	0.02	0.1	6.47	1.46		5	0.625	100	231	2.5	
5478	7/19/2004	9.25	0.2	0.25	31.7	0.5	2	0.5	0.0177	0.1	6.53	1.42		5	1	100	225	2.5	
5488	7/26/2004	9.16	0.2	0.25	31.3	0.5	2	0.5	0.02	0.1	6.21	1.71		5	0.736	100	246	2.5	
5498	8/2/2004	8.34	0.2	0.25	31.1	0.5	2	0.5	0.02	0.1	6.37	2.43		5	1	100	278	2.5	
5508	8/9/2004	8.38	0.2	0.25	34.8	0.5	2	0.5	0.02	0.132	7.08	3.62		5	1	100	281	2.5	
5508	8/16/2004	7.36	0.2	0.25	32.1	0.5	2	0.5	0.02	0.173	6.73	4.06		5	0.789	100	178	2.5	
5518	8/23/2004	7.89	0.2	0.25	33.7	0.5	2	0.5	0.02	0.1	7.23	3.67		5	0.712	100	204	2.5	
5528	8/30/2004	8.95	0.2	0.25	32.2	0.5	2	0.5	0.02	0.1	6.55	2.81		5	1	100	238	2.5	
5538	9/7/2004	7.92	0.2	0.25	31.9	0.5	2	0.5	0.02	0.1	6.55	2.05		5	1	100	207	2.5	
5548	9/13/2004	9.36	0.2	0.25	33.2	0.5	2	0.5	0.02	0.1	6.7	1.79		5	1	100	231	2.5	
5558	9/20/2004	9.06	0.2	0.25	30.8	0.5	2	0.5	0.02	0.1	6.34	1.67		5	0.986	100	233	2.5	
5568	9/27/2004	8.8	0.2	0.25	34.2	0.5	2	0.5	0.02	0.1	6.9	1.33		5	1	100	253	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Ti-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SABC or SNAB												
5315	3/1/2004	0.5	2130	0.146	0.5	2.5	43.7	10	1	3.12	2.39	13%
5322	3/8/2004	0.5	2040	0.146	0.5	2.5	36.4	10	1.81	3.27	2.41	15%
5329	3/15/2004	0.5	2160	0.125	0.5	2.5	27.7	10	1	3.13	2.08	20%
5336	3/22/2004	0.5	2170	0.146	0.5	2.5	31.1	10	1.76	3.21	2.26	17%
5343	3/30/2004	0.5	2310	0.155	0.5	2.5	35.9	10	2.6	3.16	2.42	13%
5354	4/6/2004	0.5	2180	0.145	0.5	2.5	30.7	10	1.07	3.10	2.35	14%
5357	4/12/2004	0.5	2150	0.141	1.16	0.5	31.7	10	4.5	3.04	2.31	14%
5363	4/19/2004	0.5	2160	0.136	0.357	0.5	18.2	10	1.89	3.15	2.44	13%
5370	4/26/2004	0.5	2050	0.136	0.5	0.5	40.7	10	2.5	3.27	2.53	13%
5377	5/3/2004	0.5	1890	0.102	0.5	0.5	25.7	10	2.5	2.48	1.71	18%
5385	5/11/2004	0.5	1800	0.0975	0.5	0.5	24.2	10	11.2	2.34	1.73	15%
5393	5/17/2004	0.5	1250	0.0387	0.5	0.5	10.1	10	2.8	1.07	0.73	19%
5402	5/24/2004	0.5	1020	0.0413	0.5	0.5	10.3	10	1.54	1.15	0.89	13%
5412	6/1/2004	0.5	1160	0.0699	0.713	0.5	17.8	10	1.55	1.97	1.38	18%
5421	6/7/2004	0.5	1300	0.0931	0.5	0.5	25.2	10	2.5	2.33	1.77	14%
5430	6/14/2004	0.5	1650	0.116	0.5	0.5	29.5	10	2.5	2.81	2.20	12%
5439	6/21/2004	0.5	1300	0.125	0.5	0.5	30.6	10	2.5	3.14	2.23	17%
5448	6/30/2004	0.5	1620	0.129	0.5	0.5	32	10	2.5	3.08	2.22	16%
5458	7/6/2004	0.5	1720	0.133	0.5	0.613	33.8	10	2.5	3.13	2.30	15%
5468	7/13/2004	0.5	1810	0.132	0.5	0.5	36.4	10	2.5	3.06	2.19	17%
5478	7/19/2004	0.5	1920	0.132	0.5	0.5	21.4	10	2.5	3.28	2.21	19%
5488	7/26/2004	0.5	1830	0.133	0.5	0.5	30	10	2.5	3.00	2.16	16%
5498	8/2/2004	0.5	2090	0.132	0.5	0.5	40.3	10	2.5	3.12	2.18	18%
5508	8/9/2004	0.5	1650	0.134	0.5	0.5	29.2	10	2.5	3.19	2.40	14%
5508	8/16/2004	0.5	1400	0.118	0.5	0.5	25.6	10	2.5	3.02	2.22	15%
5518	8/23/2004	0.5	1560	0.131	0.5	0.5	27.1	10	2.5	3.26	2.35	16%
5528	8/30/2004	0.5	1880	0.132	0.5	0.5	31.2	10	2.5	2.09	2.24	-3%
5538	9/7/2004	0.5	1700	0.13	0.5	0.5	30.2	10	2.5	3.30	2.21	20%
5548	9/13/2004	0.5	1730	0.131	0.5	0.5	42.9	10	2.5	3.31	2.29	18%
5558	9/20/2004	0.5	1770	0.122	0.5	0.5	40.4	10	2.5	3.16	2.14	19%
5568	9/27/2004	0.5	1890	0.134	0.5	0.5	20.3	10	2.5	3.11	2.36	14%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SABC or SNAB																
5578	10/4/2004	#N/A	Accepted					125	0.6	95.5	22.2	2.96	0.05		0.05	
5588	10/11/2004	#N/A	Accepted					113	0.2	92	21.7	2.82	0.05		0.05	
5598	10/20/2004	#N/A	Accepted					130	0.4	96	23.2	2.82	0.05		0.05	0.5
5608	10/25/2004	#N/A	Accepted					111	0.2	99	26.5	2.86	0.05		0.05	1.67
5618	11/1/2004	#N/A	Accepted					135	0.3	97.5	25.9	2.81	0.05		0.05	0.5
5628	11/9/2004	#N/A	Accepted					135	0.25	97	25.3	3.08	0.05		0.076	0.5
5638	11/15/2004	#N/A	Accepted					113	0.25	95	25.2	3.05	0.05		0.05	0.5
5648	11/22/2004	#N/A	Accepted					104	1.3	96	24.8	2.93	0.05		0.05	0.5
5658	12/7/2004	#N/A	Accepted					123	0.4	100	23.8	3.2	0.05		0.05	0.5
5668	12/27/2004	#N/A	Accepted					159	0.7	100	21.7	3.5	0.05		0.05	0.5
5682	1/3/2005	#N/A	Accepted					129	0.25	95	21.6	3.37	0.05		0.05	0.5
5690	2/22/2005	#N/A	Accepted					121	0.25	91	22.2	3.84	0.05		0.05	0.05
5695	3/22/2005	#N/A	Accepted					139	0.25	90	22.3	3.83	0.05	0.05	0.227	0.05
5705	4/5/2005	#N/A	Accepted					126	0.263	92	22.1	4.03	0.05		0.05	0.05
5712	5/23/2005	#N/A	Accepted			7.70	190	97.5	2.4	76	16.4	2.28	0.05		0.05	0.05
5723	6/6/2005	#N/A	Accepted			7.80	190	114	1	78	16.8	2.02	0.05		0.05	0.05
5734	7/5/2005	#N/A	Accepted			7.80	210	124	0.3	91	14.9	2.11	0.05		0.05	0.05
5743	8/1/2005	#N/A	Accepted					139	0.5	97	20.7	2.61	0.05		0.05	0.063
5766	10/31/2005	#N/A	Accepted					135	0.4	99	22.9	2.56	0.054		0.0598	0.053
5780	11/16/2005	#N/A	Accepted					143	0.5	95	22.1	3.05	0.05		0.05	0.0455
5794	12/7/2005	#N/A	Accepted					100	0.25	90	22.5	3.17	0.05		0.05	0.151
5808	1/4/2006	#N/A	Accepted					114	0.25	94	21.6	3.39	0.05		0.054	0.064
5822	5/2/2006	#N/A	Accepted					119	0.25	96	19.5	4.38	0.05		0.0735	0.246
5836	8/30/2006	#N/A	Accepted					146	0.4	98	23.9	2.64	0.037		0.037	0.0765
5850	10/19/2006	#N/A	Accepted					135	1	98	27.2	2.45	0.052		0.0466	0.106
5864	10/30/2006	#N/A	Accepted					134	1.3	91	23.5	2.36	0.05		0.0465	0.05
5878	11/6/2006	#N/A	Accepted					122	0.5	100	26	2.41	0.05		0.05	0.05
5892	11/13/2006	#N/A	Accepted					106	0.7	98	26.2	2.56	0.05		0.0423	0.05
5903	11/20/2006	#N/A	Accepted					141	0.25	98	25.5	2.58	0.05		0.0405	0.037
5911	11/28/2006	#N/A	Accepted					115	0.3	92	24.5	2.69	0.05		0.0369	0.052
5919	12/4/2006	#N/A	Accepted					138	0.25	98	23.9	3.01	0.05		0.0347	0.055

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SABC or SNAB																		
5578	10/4/2004	0.0025	0.0025	104.17	10	0.385	2.5	5.42	0.2	0.25	31	0.5	2	0.5	0.02	0.1	6.49	0.728
5588	10/11/2004	0.0025	0.0025	114.65	10	0.55	2.5	8.65	0.2	0.25	34.4	0.5	2	0.5	0.02	0.1	6.97	1.22
5598	10/20/2004	0.0025	0.0025	122.96	10	0.792	2.5	6.81	0.2	0.25	35.8	0.995	2	0.5	0.0183	0.1	8.14	1.92
5608	10/25/2004	0.0036	0.003	125.09	10	0.811	2.06	8.02	0.2	0.25	36.8	0.5	2	0.5	0.0347	0.1	8.05	1.51
5618	11/1/2004	0.0025	0.0025	129.12	10	0.751	3.28	8.92	0.2	0.25	38.2	0.32	2	0.5	0.02	0.1	8.18	1.36
5628	11/9/2004	0.0037	0.003	126.68	10	0.651	2.84	8.64	0.2	0.25	37.8	0.363	2	0.5	0.02	0.1	7.83	1.14
5638	11/15/2004	0.0039	0.004	118.66	10	0.759	2.5	8.67	0.2	0.25	35.1	0.53	2	0.5	0.02	0.1	7.52	1.53
5648	11/22/2004	0.0025	0.0025	125.10	10	0.646	2.5	8.67	0.2	0.25	37.3	0.5	2	0.5	0.02	0.1	7.75	0.87
5658	12/7/2004	0.0025	0.0025	120.37	10	0.475	2.5	8.31	0.2	0.25	36	0.5	2	0.5	0.02	0.1	7.39	1.02
5668	12/27/2004	0.0025	0.0025	114.10	10	0.5	2.5	9.66	0.2	0.25	34.1	0.5	2	0.5	0.02	0.1	7.02	0.5
5682	1/3/2005	0.0025	0.0025	218.52	10	0.5	2.5	7.65	0.2	0.25	63.9	0.5	2	0.5	0.492	0.1	14.3	0.5
5690	2/22/2005	0.0025	0.0025	116.68	10	0.5	2.5	11.1	0.2	0.25	34.9	0.5	2	0.5	0.02	0.1	7.16	0.5
5695	3/22/2005	0.0025	0.0025	111.61	10	0.32	2.45	9.21	0.2	0.25	33.2	0.5	2	0.5	0.02	0.1	6.96	1.34
5705	4/5/2005	0.0025	0.0025	112.02	10	0.5	2.5	9.86	0.2	0.25	33.2	0.5	2	0.5	0.02	0.1	7.06	0.5
5712	5/23/2005	0.0025	0.0025	96.91	10	0.5	2.5	5.91	0.2	0.25	28.9	0.5	2	0.5	0.0448	0.1	6	4.06
5723	6/6/2005	0.0025	0.0025	93.76	9.15	0.95	2.5	5.84	0.2	0.189	28	0.5	2	0.5	0.0226	0.065	5.78	2.9
5734	7/5/2005	0.0025	0.0025	112.73	10	0.795	2.5	7.58	0.2	0.25	33.6	0.978	2	0.5	0.02	0.1	6.99	1.83
5743	8/1/2005	0.0025	0.0025	122.43	10	0.62	1.9	7.73	0.2	0.25	37.2	0.5	2	0.5	0.02	0.1	7.16	1.86
5766	10/31/2005	0.0025	0.0025	127.05	10	0.656	1.55	7.48	0.2	0.25	37.8	0.5	2	0.5	0.0133	0.1	7.92	1.41
5780	11/16/2005	0.0025	0.0025	122.95	10	0.495	2.14	8.12	0.2	0.25	36.9	0.5	2	0.5	0.0129	0.1	7.47	1.18
5794	12/7/2005	0.0025	0.0025	121.04	6.84	0.494	2.33	8.72	0.2	0.25	36.2	0.5	2	0.5	0.02	0.1	7.43	0.785
5808	1/4/2006	0.0025	0.0025	116.24	10	0.507	3.83	9.31	0.2	0.25	34.1	0.5	2	0.5	0.0214	0.1	7.54	0.431
5822	5/2/2006	0.0025	0.0025	115.67	10	0.391	2.5	12.3	0.2	0.25	34.4	0.5	2	0.5	0.02	0.1	7.22	0.412
5836	8/30/2006	0.0025	0.0025	121.79	10	0.635	2.5	8.89	0.2	0.25	36.5	0.5	2	0.363	0.01	0.1	7.43	2.22
5850	10/19/2006	0.0025	0.0025	117.7428	28.1	1.03	4.65	7.19	0.2	0.25	34.8	0.5	2	0.364	0.0567	0.1	7.48	3.99
5864	10/30/2006	0.0025	0.0025	114.38	13	1.09	3.4	7.23	0.2	0.25	33.8	0.5	2	0.316	0.0331	0.065	7.27	3.72
5878	11/6/2006	0.0025	0.0025	124.98	7.98	0.5	2.93	7.91	0.2	0.25	37.2	1.97	2	0.5	0.0201	0.1	7.78	2.19
5892	11/13/2006	0.0025	0.0025	120.87	8.45	0.979	2.5	8.89	0.2	0.25	36.1	1.01	2	0.324	0.0136	0.1	7.45	1.96
5903	11/20/2006	0.002	0.0025	116.76	10	0.5	2.5	8.93	0.2	0.25	34.8	0.5	2	0.5	0.0159	0.1	7.24	1.56
5911	11/28/2006	0.0025	0.0025	108.70	6.98	0.471	2.5	8.39	0.2	0.25	32.4	0.5	2	0.5	0.0164	0.1	6.74	1.5
5919	12/4/2006	0.0025	0.0025	118.25	10	0.624	2.5	9.31	0.2	0.25	35.3	0.5	2	0.5	0.0119	0.1	7.3	1.27

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SABC or SNAB																			
5578	10/4/2004	0.5	5	1	100	154	2.5		0.5	1230	0.12	0.5	0.5	16.6	10	2.5	10	0.583	2.36
5588	10/11/2004	2	5	1.23	100	227	2.5		0.5	1680	0.134	0.5	0.5	13.3	10	2.5	10	0.656	1.85
5598	10/20/2004	1.4	5	0.838	100	218	2.5		0.5	1500	0.136	0.5	0.5	29.8	10	2.5	10	0.889	2.5
5608	10/25/2004	0.5	5	0.743	100	214	2.5		0.5	1730	0.137	0.5	0.5	32.2	10	2.5	10	0.79	2.5
5618	11/1/2004	0.5	5	0.82	100	191	2.5		0.5	1760	0.142	0.5	0.5	43.7	10	2.5	10	0.722	2.29
5628	11/9/2004	0.5	5	0.894	100	200	2.5		0.5	1870	0.142	0.315	0.5	27	10	2.5	10	0.703	2.54
5638	11/15/2004	0.5	5	0.997	100	231	2.5		0.5	1770	0.134	0.5	0.5	49.2	10	2.5	10	0.708	1.63
5648	11/22/2004	0.5	5	1.12	100	223	2.5		0.5	1960	0.144	0.371	0.5	46.2	10	2.5	10	0.645	2.5
5658	12/7/2004	0.5	5	0.785	100	214	2.5		0.5	2110	0.14	0.5	0.5	12.5	10	2.5	10	0.542	2.5
5668	12/27/2004	0.5	5	1	100	250	2.5		0.5	2040	0.141	0.5	0.5	30.5	10	2.5	10	0.5	2.5
5682	1/3/2005	1.4	5	1	100	250	2.5		0.5	1820	0.231	0.5	0.5	16.1	10	2.5	10	0.5	2.5
5690	2/22/2005	0.5	5	1	100	250	2.5		0.5	2140	0.153	0.5	0.5	35	10	2.5	10	0.5	2.5
5695	3/22/2005	0.5	5	1	100	205	2.5		0.5	2080	0.145	0.5	0.5	19.3	10	2.5	10	0.4	1.73
5705	4/5/2005	0.5	5	1	100	250	2.5		0.5	2300	0.15	0.5	0.5	17.3	10	2.5	10	0.5	2.5
5712	5/23/2005	0.62	5	1	100	250	2.5		0.5	1570	0.102	0.5	0.5	30.9	10	2.5	10	0.5	2.5
5723	6/6/2005	1.8	5	1.09	100	210	2.5		0.5	1470	0.1	0.5	0.5	29.4	10	2.5	10	0.933	2.48
5734	7/5/2005	1.1	5	1.01	100	257	2.5		0.5	1840	0.132	0.5	0.5	35.9	10	1.68	10	0.717	1.78
5743	8/1/2005	1.4	5	1.04	100	257	2.5		0.5	1850	0.143	0.5	0.5	33.2	10	2.5	10	0.828	2.5
5766	10/31/2005	0.4	5	1.07	100	196	2.5		0.5	1750	0.144	0.5	0.5	19.7	10	2.5	10	0.702	2.62
5780	11/16/2005	0.4	5	1.1	100	205	2.5		0.5	1960	0.146	0.5	0.5	31.9	10	2.5	10	0.67	3.71
5794	12/7/2005	2.8	5	0.94	100	229	2.5		0.5	1860	0.143	0.5	0.5	37.3	10	6.7	10	0.524	3.63
5808	1/4/2006	0.6	5	0.732	100	289	2.5		0.5	2400	0.154	0.5	0.5	29	10	2.5	6.99	0.444	2.5
5822	5/2/2006	0.2	5	0.64	100	221	2.5		0.5	2420	0.168	0.5	0.5	34.7	10	2.5	10	0.863	2.5
5836	8/30/2006		5	0.88	100	237	2.5		0.5	2100	0.138	0.5	0.5	54	10	3.68	10	0.654	2.5
5850	10/19/2006		5	1.07	100	214	2.5		0.5	1640	0.125	0.5	0.5	44.7	10	2.5	10	1.01	4.14
5864	10/30/2006		5	1.23	100	163	2.5		0.5	1690	0.118	0.5	0.635	43.6	10	19.7	10	1.11	3.74
5878	11/6/2006		5	1.36	100	251	2.5		0.5	1980	0.129	0.5	2.82	47.2	10	2.5	10	0.5	2.5
5892	11/13/2006		5	1.35	100	252	2.5		0.5	2090	0.135	0.5	0.479	42.2	10	2.5	10	0.931	2.5
5903	11/20/2006		5	1.13	100	276	2.5		0.5	2010	0.133	0.5	0.5	48.4	10	2.5	10	0.5	2.5
5911	11/28/2006		5	1.42	100	216	2.5		0.5	2000	0.126	0.5	0.5	37.4	7.03	4.87	10	0.456	2.5
5919	12/4/2006		5	0.723	100	368	2.5		0.5	2230	0.139	0.5	0.5	32.8	10	2.5	10	0.666	2.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SABC or SNAB																			
5578	10/4/2004	7.77	0.2	0.25	32.4	0.5	2	0.5	0.02	0.1	6.54	0.994		5	1	100	207	2.5	
5588	10/11/2004	7.8	0.2	0.25	31.9	0.546	2	0.5	0.02	0.1	6.49	1.21		5	0.934	100	219	2.5	
5598	10/20/2004	7.11	0.2	0.25	35.1	0.356	2	0.5	0.02	0.1	7.48	1.42		5	0.997	100	232	2.5	
5608	10/25/2004	7.44	0.2	0.25	35	0.476	2	0.5	0.02	0.1	7.41	1.16		5	0.924	100	221	2.5	
5618	11/1/2004	7.74	0.2	0.25	35.6	0.394	2	0.5	0.02	0.1	7.55	1.01		5	0.821	100	196	2.5	
5628	11/9/2004	8.25	0.2	0.25	35.1	1.72	2	0.5	0.02	0.1	7.31	1.12		5	1	100	207	2.5	
5638	11/15/2004	8.4	0.2	0.25	34.2	0.5	2	0.5	0.02	0.1	7.22	1.24		5	0.849	100	238	2.5	
5648	11/22/2004	9.03	0.2	0.25	32.3	0.5	2	0.5	0.02	0.1	6.84	0.787		5	1.25	100	223	2.5	
5658	12/7/2004	8.41	0.2	0.25	33.1	0.5	2	0.5	0.02	0.1	6.94	0.939		5	0.796	100	225	2.5	
5668	12/27/2004	8.63	0.2	0.25	33.5	0.5	2	0.5	0.02	0.1	6.9	0.5		5	1	100	250	2.5	
5682	1/3/2005	7.73	0.2	0.25	33.3	0.5	2	0.5	0.02	0.1	6.92	0.5		5	1	100	250	2.5	
5690	2/22/2005	10.2	0.2	0.25	33.6	0.5	2	0.5	0.02	0.1	7.03	0.5		5	1	100	250	2.5	
5695	3/22/2005	9.58	0.2	0.25	32.9	0.5	2	0.5	0.02	0.1	6.71	1.14		5	0.771	100	218	2.5	
5705	4/5/2005	8.54	0.2	0.25	32.6	0.5	2	0.5	0.02	0.1	7.03	0.5		5	1	100	250	2.5	
5712	5/23/2005	5.74	0.2	0.25	27	0.5	2	0.5	0.02	0.1	5.67	2.19		5	1	100	250	2.5	
5723	6/6/2005	5.21	0.2	0.25	25.4	0.5	2	0.5	0.0144	0.1	5.28	1.68		5	1.28	100	221	2.5	
5734	7/5/2005	7.35	0.2	0.25	32.8	0.794	2	0.5	0.02	0.108	6.75	1.62		5	0.87	100	243	2.5	
5743	8/1/2005	8.72	0.2	0.25	36.9	0.5	2	0.5	0.02	0.064	7.06	1.72		5	1.03	100	258	2.5	
5766	10/31/2005	7.5	0.2	0.142	37.5	0.5	2	0.5	0.02	0.1	7.73	1.06		5	1.03	100	211	2.5	
5780	11/16/2005	9.18	0.2	0.25	35.1	0.5	2	0.5	0.02	0.1	7.22	0.92		5	0.936	100	211	2.5	
5794	12/7/2005	8.17	0.2	0.186	35.1	0.5	2	0.5	0.02	0.08	7.06	0.633		5	0.891	100	226	2.5	
5808	1/4/2006	9.13	0.2	0.25	35.6	0.5	2	0.5	0.02	0.1	7.51	0.471		5	1	100	241	2.5	
5822	5/2/2006	12	0.2	0.25	34	0.5	2	0.5	0.02	0.1	7.13	0.397		5	0.891	100	240	2.5	
5836	8/30/2006	8.93	0.2	0.25	37	0.5	2	0.5	0.01	0.1	7.34	0.937		5	1.1	100	274	2.5	
5850	10/19/2006	7.3	0.2	0.25	35.4	0.5	2	0.5	0.0183	0.1	7.7	2.57		5	1.07	100	282	2.5	
5864	10/30/2006	7.07	0.2	0.25	35	0.5	2	0.5	0.01	0.1	7.44	2.42		5	1.19	100	156	2.5	
5878	11/6/2006	8.27	0.2	0.25	36.2	0.5	2	0.5	0.01	0.1	7.71	1.95		5	1.27	100	247	2.5	
5892	11/13/2006	8.72	0.2	0.25	36	0.863	2	0.5	0.01	0.1	7.39	1.51		5	1.26	100	265	2.5	
5903	11/20/2006	8.42	0.2	0.25	34.1	0.5	2	0.5	0.01	0.1	7.1	1.06		5	1.04	100	237	2.5	
5911	11/28/2006	8.71	0.2	0.25	30.6	0.5	2	0.5	0.01	0.1	6.32	1.28		5	1.58	100	260	2.5	
5919	12/4/2006	9.52	0.142	0.25	35.6	0.5	2	0.5	0.01	0.1	7.26	1.03		5	0.676	100	336	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SABC or SNAB												
5578	10/4/2004	0.5	1570	0.127	0.5	0.355	26.6	10	2.5	3.14	2.23	17%
5588	10/11/2004	0.5	1730	0.126	0.5	0.5	18.9	10	2.5	3.04	2.21	16%
5598	10/20/2004	0.5	1700	0.128	0.5	0.5	30.8	10	2.5	3.24	2.45	14%
5608	10/25/2004	0.5	1590	0.125	0.5	0.5	36.2	10	2.5	3.55	2.43	19%
5618	11/1/2004	0.5	1740	0.132	0.5	0.5	36.1	10	2.5	3.41	2.48	16%
5628	11/9/2004	0.5	1820	0.135	0.5	0.5	23.6	10	2.5	3.37	2.44	16%
5638	11/15/2004	0.5	1810	0.132	0.5	0.5	51.2	10	2.98	3.33	2.39	16%
5648	11/22/2004	0.5	1900	0.127	0.339	0.5	39.6	10	2.5	3.32	2.26	19%
5658	12/7/2004	0.5	2110	0.129	0.5	0.5	13	10	2.5	3.35	2.32	18%
5668	12/27/2004	0.5	1830	0.14	0.5	0.5	11.8	10	2.5	3.25	2.33	17%
5682	1/3/2005	0.5	1860	0.14	0.5	0.5	29.5	10	2.5	3.14	2.32	15%
5690	2/22/2005	0.5	2190	0.145	0.5	1.4	31.8	10	2.5	3.07	2.36	13%
5695	3/22/2005	0.5	2080	0.143	0.5	0.5	19.7	10	2.5	3.06	2.29	14%
5705	4/5/2005	0.5	2080	0.152	0.5	0.5	18.9	10	2.5	3.09	2.30	15%
5712	5/23/2005	0.5	1480	0.0962	0.5	0.5	29.7	10	2.5	2.65	1.89	17%
5723	6/6/2005	0.5	1420	0.0931	0.5	0.5	27.8	10	2.5	2.71	1.77	21%
5734	7/5/2005	0.5	1740	0.128	0.5	0.5	32.8	10	2.6	2.87	2.28	12%
5743	8/1/2005	0.5	1920	0.143	0.5	0.5	37.1	10	2.6	3.09	2.51	10%
5766	10/31/2005	0.5	1730	0.137	0.5	0.5	37.5	10	2.5	3.24	2.59	11%
5780	11/16/2005	0.5	1880	0.133	0.5	1.83	17.5	10	2.13	3.13	2.43	12%
5794	12/7/2005	0.5	1820	0.138	0.5	0.716	33.7	10	3.15	3.06	2.42	12%
5808	1/4/2006	0.5	2250	0.153	0.5	0.5	32.9	10	2.92	3.09	2.50	11%
5822	5/2/2006	0.5	2450	0.166	0.5	0.5	26.9	10	1.95	3.06	2.40	12%
5836	8/30/2006	0.5	1920	0.138	0.5	0.5	48.6	10	4.4	3.28	2.54	13%
5850	10/19/2006	0.5	1700	0.131	0.5	0.5	39	10	2.5	3.45	2.48	16%
5864	10/30/2006	0.5	1720	0.121	0.5	0.775	42.2	10	2.5	3.11	2.44	12%
5878	11/6/2006	0.5	1940	0.132	0.5	0.994	48.9	10	2.5	3.42	2.53	15%
5892	11/13/2006	0.5	2140	0.134	0.5	0.568	39.8	10	2.5	3.40	2.51	15%
5903	11/20/2006	0.5	1960	0.13	0.5	0.5	49.9	10	2.5	3.36	2.38	17%
5911	11/28/2006	0.5	2760	0.116	0.5	0.5	37.7	10	5.17	3.19	2.18	19%
5919	12/4/2006	0.5	2200	0.138	0.5	0.5	31	10	2.5	3.28	2.48	14%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SABC or SNAB																
5927	12/11/2006	#N/A	Accepted					135	0.25	96	24	3.05	0.05		0.05	0.05
5935	12/18/2006	#N/A	Accepted					128	0.25	96	23.3	3.22	0.05		0.05	0.039
5943	12/26/2006	#N/A	Accepted					138	0.25	95.5	22.6	3.58	0.05		0.0438	0.0555
5951	1/16/2007	1070250	Accepted	11.48				129	0.3	95	21.9	3.46	0.05		0.05	0.076
5956	3/5/2007	1070892	Accepted					106	0.25	94	21.4	4.33	0.05		0.032	0.075
5964	6/4/2007	1072562	Accepted	7.88				106	1	70	18	2.26	0.067		0.05	0.05
5972	11/8/2007	1076030	Accepted	7.04		7.78	235	116	0.444	97	26.7	2.75	0.05		0.05	0.0325
Minimum				7.0	0.0	7.3	190.0	47.5	0.2	33.0	6.4	1.8	0.0	0.1	0.0	0.0
Maximum				11.5	0.0	7.8	340.0	164.0	23.5	106.0	27.2	4.4	0.1	0.1	0.5	1.8
Average				8.8	#DIV/0!	7.7	233.0	128.8	1.2	93.1	22.2	2.8	0.0	0.1	0.1	0.4
Median				7.9	#NUM!	7.8	210.0	133.5	0.4	96.0	22.4	2.8	0.1	0.1	0.1	0.5
Count				3	0	5	5	100	100	100	99	100	100	29	100	98

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SABC or SNAB																		
5927	12/11/2006	0.0025	0.002	112.02	10	0.5	2.5	9.39	0.2	0.25	33.3	0.765	2	0.5	0.01	0.1	7	1.06
5935	12/18/2006	0.0025	0.0025	110.95	10	0.5	2.5	9.61	0.2	0.162	33.2	0.5	2	0.5	0.01	0.1	6.8	1.11
5943	12/26/2006	0.0025	0.0025	108.15	10	0.5	2.5	9.66	0.2	0.25	32	0.5	2	0.5	0.0066	0.1	6.85	0.892
5951	1/16/2007	0.0025	0.0025	113.44	10	0.486	2.5	9.62	0.2	0.25	33.9	0.5	2	0.592	0.0075	0.1	6.98	1.02
5956	3/5/2007	0.0025	0.0025	112.86	10	0.367	2.5	12.5	0.2	0.25	33.8	0.5	2	0.5	0.01	0.1	6.9	0.647
5964	6/4/2007	0.0025	0.0025	86.03	14.2	0.804	3.8	5.57	0.2	0.25	25.5	0.5	2	0.5	0.0359	0.075	5.42	2.79
5972	11/8/2007	0.0025	0.0025	124.57	57.5	0.666	2.5	9.31	0.2	0.25	37.3	1	2	0.5	0.112	0.1	7.62	3.47
Minimum		0.0	0.0	36.8	6.2	0.3	1.4	4.6	0.1	0.1	10.9	0.3	2.0	0.3	0.0	0.1	2.3	0.4
Maximum		0.0	0.0	218.5	229.0	1.1	5.2	17.8	0.4	0.8	44.0	5.2	4.0	3.3	0.5	0.4	8.2	26.1
Average		0.0	0.0	115.1	14.9	0.6	2.6	8.7	0.2	0.2	33.9	0.8	2.0	0.6	0.0	0.1	7.2	2.3
Median		0.0	0.0	117.4	10.0	0.6	2.5	8.6	0.2	0.3	34.8	0.5	2.0	0.5	0.0	0.1	7.3	1.5
Count		100	98	100	100	99	100	100	100	100	99	100	100	100	100	100	99	100

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SABC or SNAB																			
5927	12/11/2006		5	1.27	100	238	2.5		0.5	2040	0.133	0.318	0.687	40.7	10	2.5	10	0.5	2.5
5935	12/18/2006		5	1.44	100	251	2.5		0.5	2260	0.134	0.5	0.5	49.7	10	2.5	10	0.436	2.5
5943	12/26/2006		5	1.26	100	250	2.5		0.5	2070	0.136	0.5	0.5	48.9	10	3.08	10	0.5	2.5
5951	1/16/2007		5	0.943	100	220	2.5	2100	0.5	2020	0.142	0.5	0.5	40.3	10	2.5	10	0.445	2.5
5956	3/5/2007	0	5	0.915	100	267	2.5		0.5	2880	0.157	0.332	0.871	38.7	10	2.5	10	0.5	2.5
5964	6/4/2007	0	6.63	1.25	100	225	2.5		0.5	1600	0.0943	0.426	2.49	28.7	10	5.67	10	0.996	3.32
5972	11/8/2007	0.5	5	1.44	100	268	2.5		0.5	2110	0.137	0.5	0.5	37.5	10	6.12	10	0.858	2.5
	Minimum	0.0	0.5	0.6	9.6	151.0	0.7	1910.0	0.5	1070.0	0.0	0.2	0.5	4.1	2.5	1.0	7.0	0.4	0.5
	Maximum	4.5	10.0	2.0	250.0	611.0	5.6	2150.0	1.0	2880.0	0.2	1.1	2.8	57.2	20.0	6.9	60.2	1.1	4.1
	Average	0.9	5.0	1.0	72.0	244.7	2.5	2034.0	0.5	1847.7	0.1	0.5	1.3	33.4	10.0	2.7	10.7	0.6	2.4
	Median	0.5	5.0	1.0	100.0	238.0	2.5	2010.0	0.5	1840.0	0.1	0.5	0.5	33.4	10.0	2.5	10.0	0.6	2.5
	Count	85	100	100	100	100	100	5	100	97.0	100	100	100	100	100	99.0	100	99.0	100

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SABC or SNAB																			
5927	12/11/2006	9.43	0.2	0.25	33.6	0.5	2	0.5	0.01	0.1	7.02	0.873		5	1.05	100	210	2.5	
5935	12/18/2006	9.8	0.2	0.25	33.9	0.5	2	0.5	0.01	0.1	6.95	0.852		5	1.12	100	265	2.5	
5943	12/26/2006	9.5	0.2	0.25	32.5	0.5	2	0.5	0.01	0.1	6.95	0.83		5	1.02	100	247	2.5	
5951	1/16/2007	9.95	0.2	0.25	34.9	0.5	2	0.5	0.01	0.1	7.16	0.947		5	1.2	100	216	2.5	1980
5956	3/5/2007	10.8	0.2	0.25	32.9	0.5	2	0.5	0.01	0.1	6.74	0.457		5	0.803	100	241	2.5	
5964	6/4/2007	5.69	0.2	0.25	26.7	0.5	2	0.5	0.0086	0.0765	5.67	1.77		7.58	1.07	100	237	2.5	
5972	11/8/2007	9.24	0.2	0.25	37.3	1	2	0.5	0.01	0.1	7.81	0.95		5	1.47	62.6	287	2.5	
Minimum		3.1	0.1	0.1	9.8	0.4	2.0	0.5	0.01	0.1	2.1	0.4	0.0	0.5	0.6	9.7	156.0	1.0	1980
Maximum		12.0	0.2	0.3	45.3	4.2	2.0	0.5	0.05	0.3	10.1	4.1	0.0	9.1	1.7	250.0	361.0	5.1	1980
Average		8.5	0.2	0.2	33.3	0.7	2.0	0.5	0.02	0.1	6.9	1.3	#DIV/0!	5.0	1.0	71.4	239.5	2.5	1980
Median		8.5	0.2	0.3	34.0	0.5	2.0	0.5	0.02	0.1	7.1	1.2	#NUM!	5.0	1.0	100.0	237.0	2.5	1980
Count		100	100	100	100	100	100	100	99	100	100	100	0	100	100	100	100	100	1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SABC or SNAB												
5927	12/11/2006	0.5	1960	0.132	0.337	0.682	44	10	2.5	3.25	2.35	16%
5935	12/18/2006	0.5	2370	0.138	0.5	0.5	46.3	10	2.5	3.22	2.37	15%
5943	12/26/2006	0.5	2240	0.137	0.5	0.5	48	10	2.5	3.18	2.30	16%
5951	1/16/2007	0.5	2290	0.144	0.5	0.5	43.2	10	2.5	3.13	2.44	12%
5956	3/5/2007	0.5	2500	0.155	0.5	0.5	34.6	6.3	4.76	3.10	2.31	15%
5964	6/4/2007	0.5	1720	0.0992	0.539	3.36	29.2	10	3.3	2.40	1.88	12%
5972	11/8/2007	0.5	2280	0.141	0.5	0.5	41.2	10	6	3.62	2.61	16%
Minimum		0.5	1020.0	0.0	0.2	0.4	5.0	2.5	1.0			
Maximum		0.5	2760.0	0.3	1.3	6.7	51.7	10.0	11.2			
Average		0.5	1853.3	0.1	0.5	1.3	32.5	9.9	2.5			
Median		0.5	1830.0	0.1	0.5	0.5	32.9	10.0	2.5			
Count		100	100	100	100	100	100	100	99			

Highlighting Legend for Data columns

	Highlights datapoints to be excluded from analyses due to unexplained contamination.
	Possibly suspect data, but could be explained by analytical error or sample variability.
	Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SNBG OR SRBG																
5003	9/10/2002	#N/A	Accepted					146	3	95	19.5	3.08	0.1	0.1	0.1	0.206
1105	7/30/2003	#N/A	Accepted					109	0.9	90	19.3	2.61	0.05	0.05	0.067	0.5
5105	8/13/2003	#N/A	Accepted					105	0.667	95	19.8	2.66	0.05	0.05	0.05	0.05
5113	8/20/2003	#N/A	Accepted					179	3.61	123	32.8	2.46	0.034	0.05	0.05	0.05
5120	8/27/2003	#N/A	Accepted					135	1	95	20.8	2.41	0.05	0.05	0.05	0.05
5128	9/3/2003	#N/A	Accepted					129	0.2	96	21.2	2.44	0.05	0.05	0.068	0.05
5136	9/10/2003	#N/A	Accepted					131	0.2	99	22.5	2.7	0.033	0.05	0.05	0.033
5145	9/17/2003	#N/A	Accepted					134	0.2	100	23	2.85	0.031	0.05	0.05	0.05
5153	9/24/2003	#N/A	Accepted					140	0.2	94	21.7	2.86	0.05	0.05	0.05	0.5
5161	10/1/2003	#N/A	Accepted					128	0.2	103	22.7	2.8	0.05	0.05	0.05	0.5
5169	10/8/2003	#N/A	Accepted					140	1	92	22.4	2.57	0.033	0.05	0.035	0.5
5178	10/15/2003	#N/A	Accepted					149	8.04	112	23.3	2.6	0.05	0.05	0.05	0.5
5192	10/29/2003	#N/A	Accepted					125	0.2	102	24.5	2.58	0.05	0.05	0.05	0.5
5200	11/5/2003	#N/A	Accepted					128	0.6	96	22.4	2.79	0.05	0.05	0.05	0.5
5209	11/12/2003	#N/A	Accepted					135	0.2	100	25.5	2.36	0.05	0.05	0.05	0.5
5225	11/25/2003	#N/A	Accepted					130	0.4	94	23.8	2.94	0.031	0.05	0.05	0.5
5233	12/3/2003	#N/A	Accepted					139	0.6	114	23.1	2.39	0.032	0.05	0.05	0.5
5248	12/16/2003	#N/A	Rejected		7.40	225		136	0.25	88	21.8	3.51	0.036	0.05	0.05	0.5
5262	12/30/2003	#N/A	Accepted					136	0.2	92	20.9	3.68	0.039	0.05	0.05	0.35
5269	1/6/2004	#N/A	Accepted					134	0.2	88	21.4	3.84	0.166	0.05	0.05	0.5
5276	1/14/2004	#N/A	Accepted					148	0.2	92	25.2	3.93	0.038	0.05	0.05	0.5
5282	1/21/2004	#N/A	Accepted					135	0.2	92	21	4.23	0.031	0.05	0.05	1.13
5287	1/28/2004	#N/A	Accepted					141		86	20.8	4.3	0.044	0.05	0.05	0.5
5293	2/3/2004	#N/A	Accepted					135	0.2	86	20.9	4.65	0.046	0.05	0.05	0.5
5299	2/11/2004	#N/A	Accepted					139	0.25	104	23.9	3.81	0.051		0.05	0.5
5305	2/17/2004	#N/A	Accepted					121	0.25	88	21.2	5	0.05		0.05	0.89
5314	2/24/2004	#N/A	Accepted					115	0.25	87	20.6	4.93	0.032		0.05	0.5
5321	3/2/2004	#N/A	Accepted					131	0.3	88	20.7	5.13	0.05		0.05	0.5
5326	3/8/2004	#N/A	Accepted					131	0.25	86	20.8	4.99	0.05		0.05	0.5
5335	3/15/2004	#N/A	Accepted					140	0.25	84	25.7	5.53	0.05		0.05	0.6
5342	3/22/2004	#N/A	Accepted					129	0.2	88	20.7	5.31	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SNBG OR SRBG																		
5003	9/10/2002	0.0025		119.82	10	0.371	2.84	8.18	0.2	0.05	35.5	2	2	0.5	0.02	0.2	7.56	2.5
1105	7/30/2003	0.0025		112.31	10	0.562	2.61	8.72	0.2	0.05	33.4	0.5	2	0.367	0.0229	0.1	7.01	1.74
5105	8/13/2003	0.0025	0.005	115.46	10	0.5	4.13	8.96	0.2	0.05	34.1	0.5	2	0.477	0.02	0.1	7.35	2.11
5113	8/20/2003	0.0025	0.0025	154.83	8.05	0.5	88.3	4.56	0.2	0.05	45	1.86	2	0.622	0.0187	0.1	10.3	2.06
5120	8/27/2003	0.0025	0.0025	123.89	20.4	0.526	5.04	8.88	0.2	0.05	36.6	0.5	2	0.487	0.0977	0.091	7.88	6.3
5128	9/3/2003	0.0025	0.0025	122.76	10	0.5	3.31	8.03	0.2	0.05	36.2	0.5	2	0.45	0.02	0.1	7.85	1.92
5136	9/10/2003		0.0025	125.83	10	0.532	3.02	7.69	0.2	0.05	37	0.5	2	0.4	0.0302	0.1	8.11	2.61
5145	9/17/2003	0.0025	0.0025	128.97	10	0.43	1.5	8.12	0.2	0.05	38.5	0.687	2	0.5	0.0132	0.1	7.96	1.15
5153	9/24/2003	0.0025	0.0025	128.15	10	0.411	2.5	9.29	0.2	0.05	38.6	0.5	2	0.464	0.02	0.1	7.7	1.33
5161	10/1/2003	0.0025	0.0025	125.17	10	0.512	1.61	9.07	0.2	0.05	36.9	0.924	2	0.5	0.02	0.1	8.01	1.66
5169	10/8/2003	0.0025	0.0025	128.83	17	0.551	5.67	6.42	0.255	0.21	37	0.5	2	0.5	0.0303	0.344	8.84	3.7
5178	10/15/2003	0.0025	0.0025	134.01	10	0.426	3.97	5.05	0.2	0.05	38.1	1.25	2	0.452	0.02	0.1	9.43	1.82
5192	10/29/2003	0.0025	0.0025	121.02	10	0.61	1.92	8.53	0.2	0.05	35.7	0.5	2	0.931	0.02	0.103	7.73	0.968
5200	11/5/2003	0.0025	0.0025	113.3	10	0.5	2.5	8.14	0.2	0.05	35.8	1.33	2	0.5	0.02	0.1	7.75	1.46
5209	11/12/2003	0.0025	0.0025	119.12	10	0.558	3.06	7.93	0.2	0.05	37.5	0.719	2	0.5	0.02	0.1	8.12	1.66
5225	11/25/2003	0.0025	0.0025	119.12	10	0.582	2	9.88	0.2	0.05	35.5	0.5	2	0.5	0.0185	0.1	7.39	3.03
5233	12/3/2003	0.0025	0.0025	132.04	10	0.362	4.28	3.68	0.2	0.05	38.2	0.5	2	0.5	0.02	0.1	8.89	0.5
5248	12/16/2003	0.0025	0.0025	114.71	10	0.525	2.5	11.6	0.2	0.05	33.9	0.5	2	0.5	0.02	0.1	7.29	2.51
5262	12/30/2003	0.0025	0.0025	107.79	10	0.398	3.4	12.8	0.2	0.05	32.1	0.5	2	0.5	0.02	0.1	6.7	2.67
5269	1/6/2004	0.0025	0.0025	109.12	10	0.432	2.5	13.9	0.2	0.05	32.6	0.5	2	0.5	0.02	0.1	6.72	2.2
5276	1/14/2004	0.0025	0.0025	111.24	10	0.412	2.5	13.9	0.2	0.05	33.3	0.5	2	0.5	0.02	0.1	6.81	2
5282	1/21/2004	0.0025	0.0025	112.56	10	0.389	1.8	14.9	0.2	0.05	33.6	1.1	2	0.5	0.02	0.1	6.95	1.91
5287	1/28/2004	0.0025	0.0025	110.07	10	0.5	2.32	14.9	0.2	0.091	32.8	1.27	2	0.5	0.02	0.1	6.83	1.84
5293	2/3/2004	0.0025	0.0025	111.98	10	0.5	1.67	16.6	0.2	0.296	33.2	2.88	2	0.5	0.02	0.1	7.05	1.71
5299	2/11/2004	0.0025	0.0025	124.11	10	0.369	4.09	8.86	0.2	0.05	35.9	0.5	2	0.733	0.02	0.1	8.36	0.958
5305	2/17/2004	0.0025	0.0025	114.14	10	0.388	2.5	17.7	0.2	0.05	34.1	0.5	2	0.5	0.02	0.1	7.03	3.38
5314	2/24/2004	0.0025	0.0025	108.99	10	0.374	2.5	16.6	0.2	0.05	32.4	1	2	0.5	0.02	0.1	6.81	2.46
5321	3/2/2004	0.0025	0.0025	109.57	10	0.389	3.07	15.9	0.2	0.05	32.6	0.5	2	0.5	0.0193	0.1	6.83	4.03
5326	3/8/2004	0.0025	0.0025	111.98	10	0.346	2.64	16.5	0.2	0.05	33.3	0.5	2	0.5	0.02	0.1	6.99	2.28
5335	3/15/2004	0.0025	0.0025	107.63	10	0.344	2.5	16.2	0.2	0.05	32.2	1.96	2	0.427	0.02	0.1	6.6	2.35
5342	3/22/2004	0.0025	0.0025	106.58	10	0.361	2.5	17.9	0.2	0.05	31.8	4.11	2	0.5	0.02	0.123	6.59	2.01

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SNBG OR SRBG																			
5003	9/10/2002		5	0.905	250	222	0.845	2100	0.5	2070	0.133	0.15	0.5	17.2	2.5	1	10	0.449	2.61
1105	7/30/2003	0.5	5	1	15	258	2.5	2140	0.5	1930	0.128	0.5	2.5	33.9	10	1	10	0.5	1.9
5105	8/13/2003	0.5	5	1	15	256	2.5	2100	0.5	2000	0.127	0.5	2.5	29.9	10	1	10	0.5	2.47
5113	8/20/2003	0.5	5	2.2	15	267	2.5	2430	0.5	2120	0.133	0.5	2.5	40.2	10	1	10	0.5	90.6
5120	8/27/2003	1.2	5	1	15	242	2.5		0.5	1730	0.126	0.5	2.5	3.51	10	1	10	0.694	4.23
5128	9/3/2003	0.5	5	1	15	251	2.5		0.5	1910	0.133	0.5	2.5	22.9	10	1.21	10	0.514	4.66
5136	9/10/2003	0.5	5	0.869	15	249	2.5		0.5	1900	0.134	0.5	2.5	18.7	10	1	10	0.5	2.08
5145	9/17/2003	3.1	5	1.35	15	205	2.5		0.5	1620	0.137	0.5	2.5	18.8	10	1.84	10	0.496	3.01
5153	9/24/2003	0.5	5	1	15	206	2.5		0.5	1730	0.134	0.5	2.5	17.4	10	1	10	0.52	1.64
5161	10/1/2003	0.5	5	1	15	242	2.5		0.5	1910	0.136	0.5	2.5	48.3	10	3	10	0.555	2.1
5169	10/8/2003	0.5	7.01	0.859	15	203	1.94		0.5	1940	0.117	0.996	6.63	48.3	6.34	2.36	10	0.527	2.12
5178	10/15/2003	1	5	0.815	15	232	2.5		0.5	1850	0.114	0.5	2.5	36.3	10	1	10	0.374	3.41
5192	10/29/2003	0.5	5	1.11	15	264	2.5		0.5	1890	0.14	0.5	2.5	43.4	10	16	10	0.631	2.08
5200	11/5/2003		0.5	1	15	250	2.5		0.5	1660	0.131	0.5	2.5	31.4	10	1	10	0.5	2.5
5209	11/12/2003	0.5	5	0.887	15	207	2.5		0.5	1590	0.14	0.5	2.5	44.2	10	1	10	0.594	2.5
5225	11/25/2003	0.5	5	0.765	15	232	2.5		0.5	1950	0.145	0.5	2.5	40.5	10	1.32	10	0.526	2.5
5233	12/3/2003	0.5	5	0.676	23.7	171	2.5		0.5	1780	0.105	0.5	2.5	40	10	1	10	0.394	2.64
5248	12/16/2003	0.5	5	1	15	230	2.5		0.5	2270	0.146	0.5	2.5	40.8	10	1	10	0.5	2.79
5262	12/30/2003	0.5	5	0.894	15	254	2.5		0.5	2240	0.144	0.5	2.5	42.7	10	1	10	0.421	2.72
5269	1/6/2004	0.5	5	1	15	259	2.5		0.5	2310	0.142	0.5	2.5	38.8	10	1.15	10	0.431	1.91
5276	1/14/2004	0.5	5	0.669	15	247	2.5		0.5	2280	0.15	0.5	2.5	33.6	10	2.42	10	0.4	2.5
5282	1/21/2004	0.5	5	0.94	15	256	2.5		0.5	2390	0.158	0.5	2.5	34.4	10	1	10	0.38	3.13
5287	1/28/2004	0.5	5	0.649	15	230	2.5		0.5	2230	0.157	0.5	2.5	37	10	1.67	10	0.5	1.98
5293	2/3/2004	1.4	5	0.914	15	222	2.5		0.5	2500	0.157	0.5	2.5	32.6	10	5.12	10	0.5	2.52
5299	2/11/2004	0.5	5	1.02	15	195	2.5		0.5	2290	0.129	0.5	2.5	32	10	1	10	0.5	2.5
5305	2/17/2004	0.5	5	0.85	15	311	2.5		0.5	2880	0.164	0.5	2.5	34.8	10	2.79	10	0.322	2.99
5314	2/24/2004	0.5	5	0.931	15	247	2.5		0.5	2490	0.161	0.528	2.5	27.6	10	2.52	10	0.451	2.5
5321	3/2/2004	1	5	1.65	15	257	2.5		0.5	2540	0.161	0.371	2.5	38.1	10	1	10	0.349	2.3
5326	3/8/2004	0.5	5	1.27	15	253	2.5		0.5	2490	0.164	0.5	2.5	42.2	10	5.01	10	0.36	1.86
5335	3/15/2004	1.8	5	1.45	22.1	282	2.5		0.5	2710	0.16	0.5	2.5	25	10	1.29	10	0.369	2.5
5342	3/22/2004	0.5	5	1.48	15	251	2.5		0.5	2770	0.16	0.5	2.5	29.7	10	2.89	10	0.376	1.56

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SNBG OR SRBG																			
5003	9/10/2002	8.71	0.2	0.05	28.1	2	2	0.5	0.02	0.312	7.19	2.5		5	0.848	250	257	3.96	
1105	7/30/2003	9.58	0.2	0.05	33.7	0.5	2	0.5	0.02	0.1	7.07	1.81		5	1	15	244	2.5	
5105	8/13/2003	9.22	0.2	0.05	35.3	0.5	2	0.456	0.02	0.073	7.53	1.94		5	1	15	262	2.5	
5113	8/20/2003	8.47	0.2	0.05	48	0.315	2	0.77	0.013	0.1	10.6	0.05		5	1.45	15	271	2.5	
5120	8/27/2003	7.93	0.179	0.153	36.6	0.5	2	0.627	0.02	0.323	7.91	2.88		8.14	1	15	236	4.13	
5128	9/3/2003	7.79	0.2	0.05	35.4	0.5	2	0.327	0.02	0.1	8	2.28		5	1	15	230	2.5	
5136	9/10/2003	8.33	0.2	0.05	33.3	0.819	2	0.366	0.02	0.1	7.76	2.09		5	1	15	240	2.5	
5145	9/17/2003	8.13	0.2	0.05	37.7	1.04	2	0.5	0.02	0.1	7.9	1.55		5	1.39	15	216	2.5	
5153	9/24/2003	9.45	0.2	0.05	38.1	0.5	2	0.366	0.02	0.1	7.5	1.78		5	1	15	215	2.5	
5161	10/1/2003	8.83	0.2	0.05	35.6	0.5	2	0.5	0.02	0.1	7.91	1.71		5	0.788	15	247	2.5	
5169	10/8/2003	9.91	0.2	0.05	35.8	0.5	2	0.5	0.02	0.1	7.57	1.47		5	0.796	15	237	2.5	
5178	10/15/2003	5.16	0.2	0.05	39.6	0.5	2	0.585	0.02	0.1	9.29	0.465		5	0.794	15	248	2.5	
5192	10/29/2003	8.69	0.2	0.05	37.2	0.5	2	0.5	0.02	0.1	7.66	0.831		5	1.1	15.5	252	2.5	
5200	11/5/2003	8.06	0.2	0.05	33.5	0.5	2	0.5	0.02	0.1	7.2	0.5		0.5	1	15	250	2.5	
5209	11/12/2003	7.77	0.2	0.05	35.8	0.5	2	0.5	0.02	0.1	7.77	1.45		5	0.764	13.7	243	2.5	
5225	11/25/2003	9.43	0.2	0.05	34	0.5	2	0.314	0.02	0.1	7.04	2.6		5	0.767	15	246	2.5	
5233	12/3/2003	3.97	0.2	0.05	37.3	0.5	2	0.5	0.02	0.1	8.73	0.5		5	0.664	15	164	2.5	
5248	12/16/2003	13	0.2	0.05	34	0.5	2	0.5	0.02	0.1	7.12	2.34		5	0.808	11.5	274	2.5	
5262	12/30/2003	12.5	0.2	0.05	31.6	0.5	2	0.5	0.02	0.1	6.46	2.43		5	0.97	12.1	237	2.5	
5269	1/6/2004	13.6	0.2	0.05	31.1	0.5	2	0.5	0.02	0.1	6.43	2		5	1	15	243	2.5	
5276	1/14/2004	14	0.2	0.05	32.5	0.5	2	0.5	0.02	0.1	6.69	1.91		5	1	15	242	2.5	
5282	1/21/2004	14.5	0.2	0.05	32.1	0.842	2	0.5	0.02	0.1	6.63	1.81		5	1	15	260	2.5	
5287	1/28/2004	14.3	0.2	0.05	31.1	0.875	2	0.5	0.02	0.1	6.52	1.71		5	0.837	15	209	2.5	
5293	2/3/2004	16	0.2	0.05	31.9	2.58	2	0.5	0.02	0.1	6.77	1.72		5	0.909	15	228	2.5	
5299	2/11/2004	9.48	0.2	0.05	34	0.5	2	0.527	0.02	0.1	7.95	0.944		5	1.12	15	224	2.5	
5305	2/17/2004	16.7	0.2	0.05	32.6	0.5	2	0.5	0.02	0.1	6.67	2.7		5	1.13	15	282	2.5	
5314	2/24/2004	17	0.2	0.05	31.4	0.5	2	0.5	0.02	0.1	6.64	2.67		5	0.903	15	296	2.5	
5321	3/2/2004	15.4	0.2	0.05	31.9	0.5	2	0.5	0.02	0.1	6.54	4.2		5	0.861	18.5	292	2.5	
5326	3/8/2004	15.8	0.2	0.05	32.3	0.5	2	0.5	0.02	0.1	6.72	2.09		5	1.13	15	251	2.5	
5335	3/15/2004	16.5	0.2	0.05	29.2	0.702	2	0.5	0.02	0.1	6.15	2.09		5	1.44	48.8	229	2.5	
5342	3/22/2004	17.8	0.2	0.05	30.9	3.84	2	0.5	0.02	0.1	6.47	1.87		5	1.56	22.5	239	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SNBG OR SRBG												
5003	9/10/2002	0.5	2100	0.13	0.15	0.816	18.4	1.88	1	3.01	2.09	18%
1105	7/30/2003	0.5	1790	0.13	0.5	2.5	21.2	10	1	2.91	2.35	11%
5105	8/13/2003	0.5	1890	0.132	0.5	2.5	25.8	10	1	3.00	2.47	10%
5113	8/20/2003	0.5	2230	0.139	0.5	2.5	40.5	10	1	4.24	3.38	11%
5120	8/27/2003	0.5	1750	0.125	1.17	8.02	8.08	10	2.41	3.05	2.56	9%
5128	9/3/2003	0.5	1840	0.134	0.5	2.5	17	10	1	3.09	2.51	10%
5136	9/10/2003	0.5	1920	0.134	0.5	2.5	23.1	10	1	3.22	2.39	15%
5145	9/17/2003	0.5	1730	0.133	0.5	2.5	16.9	10	1.25	3.27	2.61	11%
5153	9/24/2003	0.5	1960	0.133	0.5	2.5	13.1	10	1	3.12	2.61	9%
5161	10/1/2003	0.5	1850	0.132	0.5	2.5	48.8	10	2.81	3.35	2.52	14%
5169	10/8/2003	0.5	1880	0.138	0.5	2.5	48.2	10	1	3.11	2.50	11%
5178	10/15/2003	0.5	1870	0.115	0.5	2.5	34.2	10	2.44	3.56	2.83	11%
5192	10/29/2003	0.5	1890	0.145	0.5	2.5	42.6	10	5.98	3.42	2.58	14%
5200	11/5/2003	0.5	1710	0.125	0.5	2.5	31.9	10	1	3.19	2.35	15%
5209	11/12/2003	0.5	1590	0.138	0.5	2.5	45.6	10	1	3.43	2.50	16%
5225	11/25/2003	0.5	1840	0.132	0.5	2.5	40.6	10	1	3.23	2.36	15%
5233	12/3/2003	0.5	1790	0.105	0.5	2.5	32	10	1	3.58	2.66	15%
5248	12/16/2003	0.5	2260	0.148	0.5	2.5	44.6	10	2.8	3.22	2.39	15%
5262	12/30/2003	0.5	2230	0.14	0.5	2.5	38.6	10	2.65	3.04	2.21	16%
5269	1/6/2004	0.5	2260	0.135	0.5	2.5	40.3	10	1.6	3.00	2.19	16%
5276	1/14/2004	0.5	2250	0.148	0.5	2.5	35.5	10	1.67	3.28	2.28	18%
5282	1/21/2004	0.5	2340	0.152	0.5	2.5	34.4	10	1.76	3.11	2.26	16%
5287	1/28/2004	0.5	2180	0.15	0.5	2.5	34.4	10	1	2.94	2.19	15%
5293	2/3/2004	0.5	2580	0.154	0.5	2.5	32.7	10	4.84	2.95	2.27	13%
5299	2/11/2004	0.5	2240	0.123	0.5	2.5	36.6	10	1.74	3.45	2.46	17%
5305	2/17/2004	0.5	2960	0.158	0.5	2.5	26.1	10	5.15	3.04	2.31	14%
5314	2/24/2004	0.5	2750	0.159	1.62	2.5	31.4	10	1.78	2.96	2.24	14%
5321	3/2/2004	0.5	2600	0.156	0.664	2.5	42.4	10	3.6	2.99	2.25	14%
5326	3/8/2004	0.5	2540	0.158	0.5	2.5	36.4	10	3.71	2.95	2.28	13%
5335	3/15/2004	0.5	2670	0.148	0.5	2.5	28.1	10	1	3.19	2.09	21%
5342	3/22/2004	0.5	2620	0.159	0.5	2.5	31.5	10	1	3.00	2.20	15%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SNBG OR SRBG																
5348	3/31/2004	#N/A	Accepted					146	0.25	92	21.9	5.15	0.031		0.05	0.5
5352	4/5/2004	#N/A	Accepted					126	0.25	90	20.1	5.37	0.05		0.05	0.5
5369	4/20/2004	#N/A	Accepted					138	6.5	92	20.2	4.58	0.05		0.05	0.5
5376	4/29/2004	#N/A	Accepted					141	0.4	92	20.9	4.88	0.038		0.05	0.5
5383	5/3/2004	#N/A	Accepted					113	10.2	67	24.8	3.94	0.035		0.05	0.5
5390	5/11/2004	#N/A	Accepted					87.5	4.4	68	14.2	3.14	0.039		0.05	0.5
5398	5/18/2004	#N/A	Accepted					88.8	10.4	53	9.64	2.56	0.043		0.05	0.5
5407	5/24/2004	#N/A	Accepted					63.8	10.1	41	6.8	2	0.036		0.05	0.5
5418	6/1/2004	#N/A	Accepted					87.5	1.5	66	13	2.32	0.05		0.05	0.5
5428	6/8/2004	#N/A	Accepted					124	0.8	72	15.2	2.44	0.05		0.05	0.5
5436	6/14/2004	#N/A	Accepted					130	0.7	88	16.5	2.86	0.044		0.05	0.5
5445	6/21/2004	#N/A	Accepted					130	0.25	97	18.5	3.2	0.05		0.096	0.5
5454	7/1/2004	#N/A	Accepted					120	0.2	91	19	3.11	0.039		0.05	0.5
5465	7/6/2004	#N/A	Accepted					123	1.5	88	19.5	3.45	0.034		0.05	0.5
5475	7/13/2004	#N/A	Accepted					151	1.9	104	19	3.15	0.046		0.05	0.5
5485	7/19/2004	#N/A	Accepted					143	0.6	90.5	19.7	3.82	0.039		0.106	1
5495	7/26/2004	#N/A	Accepted					114	1.3	89	19.7	3.76	0.042		0.05	1
5505	8/2/2004	#N/A	Accepted					129	1	88.5	19.2	3.92	0.05		0.05	0.5
5515	8/9/2004	#N/A	Accepted					146	2.7	104	16.9	2.5	0.035		0.05	0.5
5515	8/16/2004	#N/A	Accepted					119	2.1	89	16.8	2.2	0.037		0.05	0.5
5525	8/23/2004	#N/A	Accepted					116	1.3	98.5	17.2	2.45	0.04		0.05	0.5
5535	8/30/2004	#N/A	Accepted					135	1.7	96	20.9	2.93	0.05		0.05	0.5
5545	9/7/2004	#N/A	Accepted					128	0.3	96	20.2	2.99	0.05		0.05	0.5
5555	9/13/2004	#N/A	Accepted					124	0.3	94	20.6	3.41	0.05		0.05	0.5
5565	9/20/2004	#N/A	Accepted					75	0.2	89	20.8	3.53	0.05		0.046	0.5
5575	9/27/2004	#N/A	Accepted					211	0.25	89	20.8	3.82	0.05		0.05	0.5
5585	10/4/2004	#N/A	Accepted					115	0.3	90	20.7	3.96	0.05		0.05	
5595	10/11/2004	#N/A	Accepted					129	0.7	93	20.5	3.69	0.05		0.05	
5605	10/21/2004	#N/A	Accepted					126	0.3	98	24.5	3.42	0.05		0.05	0.5
5616	10/26/2004	#N/A	Accepted					116	0.25	90	24.1	3.34	0.05		0.05	1.05
5625	11/2/2004	#N/A	Accepted					83.8	1.2	98	24.4	3.29	0.05		0.05	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SNBG OR SRBG																		
5348	3/31/2004	0.0025	0.0025	116.49	10	0.5	1.89	18	0.2	0.05	34.2	0.5	2	0.5	0.02	0.1	7.54	1.04
5352	4/5/2004	0.0025	0.0025	109.78	10	0.363	2.15	17.8	0.2	0.05	32.8	1.55	2	0.5	0.02	0.1	6.76	1.94
5369	4/20/2004	0.0025	0.0025	108.53	9.65	0.5	2.58	10.6	0.2	0.25	32.1	0.5	2	0.5	0.0562	0.1	6.88	12.9
5376	4/29/2004	0.0025	0.0025	116.87	10	0.368	2.5	13.4	0.2	0.25	34.5	0.5	2	0.5	0.02	0.1	7.45	1.9
5383	5/3/2004	0.0025	0.0025	80.96	101	0.445	7.1	7.69	0.2	0.25	23.9	0.5	2	0.528	0.279	0.118	5.16	11.9
5390	5/11/2004	0.0025	0.0025	81.91	13.2	0.376	3.07	6.57	0.2	0.25	24.2	0.5	2	0.316	0.0464	0.1	5.21	7.03
5398	5/18/2004	0.0025	0.0025	64.98	45.5	0.676	5.91	4.04	0.2	0.25	19.4	0.5	2	0.435	0.0814	0.086	4.01	9.97
5407	5/24/2004	0.0025	0.0025	47.63	57.2	0.402	4.39	3.23	0.2	0.25	14.4	0.5	2	0.594	0.14	0.126	2.83	11
5418	6/1/2004	0.0025	0.0025	80.37	10.7	0.56	3.88	4.98	0.2	0.25	23.6	0.5	2	0.37	0.0403	0.1	5.2	5.26
5428	6/8/2004	0.0025	0.0025	96.36	10	0.522	2.33	5.9	0.2	0.25	28.5	0.5	2	0.5	0.0408	0.1	6.11	4.68
5436	6/14/2004	0.0025	0.0025	101.20	6.46	0.486	6.23	4.77	0.2	0.25	29.4	0.889	2	0.321	0.02	0.1	6.74	1.59
5445	6/21/2004	0.009	0.015	105.54	10	0.594	3.98	8.4	0.2	0.25	31.3	1.2	2	0.34	0.0168	0.1	6.64	1.7
5454	7/1/2004	0.008	0.0025	104.54	10	0.631	2.84	8.5	0.2	0.25	31	0.5	2	0.5	0.02	0.1	6.58	1.45
5465	7/6/2004	0.0025	0.0025	111.07	10	0.585	2.25	11.2	0.2	0.25	33.1	3.74	2	0.5	0.02	0.1	6.89	2.11
5475	7/13/2004	0.0025	0.0025	120.02	10	0.464	3.87	6.52	0.2	0.25	35.4	0.5	2	0.5	0.02	0.1	7.67	1.39
5485	7/19/2004	0.0025	0.0025	109.91	10	0.499	3.13	11.7	0.2	0.25	32.9	0.5	2	0.5	0.02	0.1	6.73	2.98
5495	7/26/2004	0.0025	0.0025	113.07	10	0.367	2.7	11.7	0.2	0.25	33.9	0.5	2	0.5	0.02	0.1	6.89	3.05
5505	8/2/2004	0.0025	0.0025	104.31	10	0.528	2.82	13	0.2	0.25	31.3	0.5	2	0.5	0.0185	0.1	6.34	4.57
5515	8/9/2004	0.0025	0.0025	113.58	7.48	0.37	6.75	5.89	0.2	0.25	33.2	0.5	2	0.5	0.039	0.144	7.44	4.72
5515	8/16/2004	0.0025	0.0025	102.21	11.7	0.612	4.91	6.18	0.2	0.25	30	0.535	2	0.5	0.0533	0.1	6.62	14.3
5525	8/23/2004	0.0025	0.0025	110.76	10	0.34	5.2	4.44	0.2	0.25	32.5	0.5	2	0.5	0.0244	0.067	7.18	3.75
5535	8/30/2004	0.0025	0.0025	109.20	10	0.573	2.92	9.23	0.2	0.25	32.7	0.5	2	0.5	0.0201	0.1	6.68	3.76
5545	9/7/2004	0.0025	0.0025	111.78	10	0.389	2.38	10.5	0.2	0.25	33.5	0.5	2	0.5	0.018	0.1	6.82	3.31
5555	9/13/2004	0.0039	0.003	109.54	13.7	1.08	87	5.27	0.2	0.25	32.8	0.5	2	0.592	0.0145	0.152	6.7	8.64
5565	9/20/2004	0.003	0.0025	105.72	10	0.543	2.5	13.8	0.2	0.25	31.8	0.5	2	0.5	0.02	0.1	6.38	3.63
5575	9/27/2004	0.0025	0.0025	107.33	10	0.534	3.8	13.7	0.2	0.25	32	0.5	2	0.5	0.0146	0.1	6.65	3.34
5585	10/4/2004	0.0025	0.0025	107.75	10	0.5	2.5	7.21	0.2	0.25	32.2	0.5	2	0.5	0.02	0.1	6.63	1.84
5595	10/11/2004	0.0025	0.0025	109.12	9.39	0.747	75.7	4.17	0.2	0.25	32.6	0.5	2	0.509	0.016	0.071	6.72	3.83
5605	10/21/2004	0.0025	0.0025	115.51	10	0.648	1.8	8.67	0.2	0.25	34.3	0.5	2	0.5	0.0208	0.1	7.24	2.75
5616	10/26/2004	0.0025	0.003	117.29	10	0.672	1.81	8.93	0.2	0.25	34.8	0.5	2	0.5	0.0136	0.1	7.37	2.07
5625	11/2/2004	0.0025	0.0028	124.62	10	0.509	3.03	8.64	0.2	0.25	36.4	0.5	2	0.5	0.0144	0.071	8.18	1.84

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SNBG OR SRBG																			
5348	3/31/2004	0.5	5	1	15	242	2.5		0.5	2700	0.162	0.5	2.5	29.2	10	1	10	0.5	2.5
5352	4/5/2004	0.5	5	1.05	15	237	2.5		0.5	2700	0.162	1.23	2.5	29.7	10	1	10	0.5	1.56
5369	4/20/2004	2.6	5	1.13	100	272	2.5		0.5	2260	0.134	0.5	0.5	16	10	2.5	10	0.5	3.67
5376	4/29/2004	1.5	5	0.85	100	281	2.5		0.5	2800	0.146	0.5	0.5	38.9	10	2.5	10	0.5	2.5
5383	5/3/2004	1.7	5	1.12	100	344	2.5		0.5	2250	0.101	0.5	0.5	23.2	10	1.67	10	0.5	3.45
5390	5/11/2004	2.8	5	1.16	100	323	2.5		0.5	1950	0.0956	0.5	0.5	18.5	10	2.5	10	0.419	1.98
5398	5/18/2004	2.2	3.75	1.08	100	252	2.5		0.5	1570	0.0623	1	0.5	18.8	10	2.55	11.1	0.436	3.6
5407	5/24/2004	3.2	5	0.872	100	233	2.5		0.5	1200	0.0446	0.5	0.5	16.6	10	2.5	11.8	0.351	3.02
5418	6/1/2004	2.2	5	1.12	100	202	2.5		0.5	1540	0.0806	0.5	0.5	22.9	10	2.5	10	0.54	2.89
5428	6/8/2004	1.1	5	0.732	100	217	2.5		0.5	1670	0.1	0.5	0.5	27.6	10	2.5	10	0.7	2.15
5436	6/14/2004	0.5	5	0.828	100	232	2.5		0.5	1950	0.0925	0.5	0.5	28.2	10	2.5	10	0.5	3.08
5445	6/21/2004	1.5	5	0.824	100	247	2.5		0.5	2070	0.116	0.5	0.5	27	10	2.5	10	0.449	3.02
5454	7/1/2004	0.5	5	1	100	195	2.5		0.5	1960	0.123	0.5	0.5	34.9	10	2.5	10	0.606	2.25
5465	7/6/2004	0.5	5	0.73	100	241	5.62		0.5	2000	0.142	0.5	0.611	32	10	2.5	10	0.552	3.29
5475	7/13/2004	0.5	5	1	100	229	2.5		0.5	2100	0.117	0.5	0.5	38.8	10	2.5	10	0.461	3.64
5485	7/19/2004	1.2	5	0.766	100	209	2.5		0.5	2020	0.141	0.5	0.5	30.1	10	2.5	10	0.479	2.54
5495	7/26/2004	0.5	5	0.628	100	267	2.5		0.5	2220	0.139	0.5	0.5	32.2	10	2.5	10	0.479	3.7
5505	8/2/2004	1.6	5	1	100	328	2.5		0.5	2610	0.147	0.5	0.5	42.2	10	2.5	10	0.482	3.64
5515	8/9/2004	0.5	5	1	100	237	2.5		0.5	1730	0.108	0.5	0.5	26.1	10	2.5	10	0.5	6.17
5515	8/16/2004	2.5	5	1	100	252	2.5		0.5	1770	0.102	0.5	0.5	26.4	10	2.5	10	0.543	4.84
5525	8/23/2004	0.5	5	1	100	250	2.5		0.5	1580	0.103	0.5	0.5	36	10	2.5	10	0.389	2.18
5535	8/30/2004	0.5	5	1	100	226	2.5		0.5	2060	0.133	0.5	0.5	29	10	2.5	10	0.403	3.39
5545	9/7/2004	0.5	5	1	100	222	2.5		0.5	2040	0.139	0.5	0.5	32.5	10	2.5	10	0.515	1.68
5555	9/13/2004	0.5	5	1.31	100	235	2.5		0.5	2030	0.142	0.5	2.34	54.3	10	2.5	10	0.529	2.5
5565	9/20/2004	0.5	5	1	100	276	2.5		0.5	2190	0.139	0.5	0.5	38.1	10	2.5	10	0.532	2.5
5575	9/27/2004	0.5	5	1	100	249	2.5		0.5	2210	0.143	0.5	0.5	28.3	10	2.5	10	0.551	1.74
5585	10/4/2004	1.1	5	1	100	250	2.5		0.5	1390	0.13	0.5	0.5	17.1	10	2.5	10	0.474	4.47
5595	10/11/2004	3.1	5	1.71	100	229	2.5		0.5	1770	0.134	0.5	0.5	20.3	10	2.5	10	0.446	1.9
5605	10/21/2004	2.2	5	0.825	100	238	2.5		0.5	1780	0.126	0.5	0.5	31.2	10	2.5	10	0.521	1.67
5616	10/26/2004	0.5	5	0.836	100	210	2.5		0.5	1800	0.133	0.5	0.5	32.2	10	2.5	10	0.476	2.61
5625	11/2/2004	1.7	5	0.811	100	190	2.5		0.5	1970	0.131	0.5	0.5	43.4	10	2.5	10	0.511	3.43

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SNBG OR SRBG																			
5348	3/31/2004	18.3	0.2	0.05	35.9	0.5	2	0.5	0.0303	0.1	7.47	1.1		5	1	15	237	2.5	
5352	4/5/2004	18.3	0.2	0.05	32.5	0.596	2	0.5	0.02	0.1	6.69	2.14		5	1.08	13.1	249	2.5	
5369	4/20/2004	8.11	0.2	0.25	33.2	0.546	2	0.5	0.0311	0.1	7.35	12.5		5	1.25	100	372	2.5	
5376	4/29/2004	12.1	0.2	0.25	34.4	0.5	2	0.5	0.02	0.1	7.34	0.5		5	1.18	100	237	2.5	
5383	5/3/2004	5.71	0.2	0.25	21	0.5	2	0.5	0.0289	0.1	4.88	2.4		5	0.707	100	330	2.5	
5390	5/11/2004	5.78	0.2	0.25	22.1	0.5	2	0.5	0.0199	0.1	4.79	3.76		5	1.06	100	296	2.5	
5398	5/18/2004	3.65	0.2	0.25	16.3	0.5	2	0.476	0.017	0.1	3.55	1.94		5	1	100	246	2.5	
5407	5/24/2004	2.42	0.2	0.25	13.6	0.5	2	0.5	0.0349	0.1	2.78	2.59		5	1	100	228	2.5	
5418	6/1/2004	4.74	0.2	0.25	20.7	0.5	2	0.327	0.0149	0.1	4.55	5.05		5	0.78	100	188	2.5	
5428	6/8/2004	6.53	0.2	0.25	25.4	0.5	2	0.36	0.02	0.1	5.38	3.05		5	0.715	100	213	2.5	
5436	6/14/2004	5.12	0.2	0.25	31.2	0.996	2	0.5	0.02	0.1	6.93	0.689		5	0.8	100	233	2.5	
5445	6/21/2004	6.56	0.2	0.25	31	0.5	2	0.5	0.02	0.1	6.56	1.02		5	0.646	100	197	2.5	
5454	7/1/2004	8.34	0.2	0.25	33.3	0.5	2	0.5	0.02	0.062	7.02	1.84		5	0.69	100	220	2.5	
5465	7/6/2004	10	0.2	0.25	30.7	3.03	2	0.5	0.02	0.1	6.41	1.8		5	1	100	216	3.28	
5475	7/13/2004	7.04	0.2	0.25	31.9	0.5	2	0.5	0.02	0.1	7.08	1.23		5	1	100	213	2.5	
5485	7/19/2004	13.3	0.2	0.25	32.1	0.5	2	0.5	0.02	0.1	6.24	2.04		5	1	100	211	2.5	
5495	7/26/2004	10.1	0.2	0.25	32.7	0.5	2	0.5	0.02	0.1	6.81	1.9		5	0.679	100	240	2.5	
5505	8/2/2004	12.4	0.2	0.25	30.2	0.5	2	0.5	0.02	0.1	5.98	3.56		5	1	100	292	2.5	
5515	8/9/2004	5.74	0.2	0.25	33.3	0.5	2	0.907	0.02	0.131	7.39	2.99		5	1	100	247	2.5	
5515	8/16/2004	5.53	0.2	0.25	29	0.5	2	0.5	0.02	0.1	6.33	8.53		5	0.658	100	250	2.5	
5525	8/23/2004	4.38	0.2	0.25	31.6	0.5	2	0.5	0.02	0.1	7.21	1.19		5	1	100	250	2.5	
5535	8/30/2004	6.65	0.2	0.25	30.8	0.5	2	0.5	0.02	0.1	6.6	2.03		5	1	100	210	2.5	
5545	9/7/2004	8.93	0.2	0.25	30.9	0.5	2	0.5	0.02	0.1	6.23	2.78		5	1	100	202	2.5	
5555	9/13/2004	12.3	0.2	0.25	29.7	0.5	2	0.5	0.02	0.1	6	3.44		5	1	100	244	2.5	
5565	9/20/2004	12.5	0.2	0.25	32.2	0.5	2	0.5	0.02	0.1	6.64	3.18		5	0.693	100	250	2.5	
5575	9/27/2004	12.6	0.2	0.25	32	0.5	2	0.332	0.02	0.1	6.4	2.86		5	1	100	253	2.5	
5585	10/4/2004	11.1	0.2	0.25	29.7	0.5	2	0.5	0.02	0.1	6.17	2.48		5	1	100	212	2.5	
5595	10/11/2004	11.3	0.2	0.25	32.1	0.5	2	0.322	0.02	0.1	6.57	1.58		5	0.946	100	225	2.5	
5605	10/21/2004	6.5	0.2	0.25	33.5	0.804	2	0.5	0.02	0.1	7.65	1.42		5	0.892	100	194	2.5	
5616	10/26/2004	5.83	0.2	0.25	34.7	0.5	2	0.5	0.02	0.1	7.78	0.962		5	0.819	100	182	2.5	
5625	11/2/2004	7.1	0.2	0.25	35.5	0.349	2	0.5	0.02	0.1	8.26	1.06		5	0.917	100	200	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SNBG OR SRBG												
5348	3/31/2004	0.5	2710	0.171	0.5	2.5	34	10	4.21	3.14	2.53	11%
5352	4/5/2004	0.5	2840	0.162	0.5	2.5	29.8	10	3.37	3.01	2.30	13%
5369	4/20/2004	0.5	2410	0.114	1.11	0.5	23.3	10	4.01	3.03	2.38	12%
5376	4/29/2004	0.5	2550	0.141	0.5	0.5	34.8	10	1.56	3.08	2.44	12%
5383	5/3/2004	0.5	1970	0.0916	0.5	0.5	19.8	10	2.5	2.76	1.55	28%
5390	5/11/2004	0.5	1940	0.0869	0.5	0.5	20.1	10	1.77	2.21	1.59	16%
5398	5/18/2004	0.5	1560	0.0627	0.5	0.5	16.3	10	2.15	1.66	1.18	17%
5407	5/24/2004	0.5	1080	0.0414	0.5	0.5	10.8	10	2.5	1.26	0.96	13%
5418	6/1/2004	0.5	1470	0.0727	0.5	0.5	23.3	10	2.5	2.09	1.48	17%
5428	6/8/2004	0.5	1680	0.0902	0.5	0.5	25.5	10	2.5	2.33	1.79	13%
5436	6/14/2004	0.5	1900	0.0962	0.5	0.5	29.6	10	2.5	2.72	2.22	10%
5445	6/21/2004	0.5	1490	0.111	0.5	0.5	28.8	10	2.5	3.02	2.16	17%
5454	7/1/2004	0.5	1990	0.122	0.5	0.5	41.3	10	2.5	2.92	2.33	11%
5465	7/6/2004	0.5	1840	0.137	0.5	0.457	29.3	10	2.5	2.89	2.15	15%
5475	7/13/2004	0.5	2030	0.115	0.5	0.5	38.3	10	2.5	3.18	2.27	17%
5485	7/19/2004	0.5	2320	0.134	0.5	0.5	23.1	10	2.5	3.00	2.22	15%
5495	7/26/2004	0.5	2100	0.131	0.5	0.5	33.5	10	2.5	2.97	2.29	13%
5505	8/2/2004	0.5	2400	0.144	0.5	0.5	41.1	10	2.5	2.90	2.11	16%
5515	8/9/2004	0.5	1990	0.107	0.5	0.5	26.3	10	4.43	3.06	2.36	13%
5515	8/16/2004	0.5	1610	0.099	0.5	0.5	30.8	10	2.5	2.75	2.05	15%
5525	8/23/2004	0.5	1530	0.1	0.5	0.5	17.3	10	2.5	2.96	2.24	14%
5535	8/30/2004	0.5	2090	0.111	0.5	0.5	29.9	10	2.5	3.12	2.18	18%
5545	9/7/2004	0.5	1870	0.127	0.5	0.5	28	10	2.5	3.08	2.14	18%
5555	9/13/2004	0.5	1980	0.129	0.5	0.5	38.7	10	2.5	3.07	2.07	19%
5565	9/20/2004	0.5	2180	0.14	0.5	0.5	40	10	2.5	2.98	2.26	14%
5575	9/27/2004	0.5	2140	0.142	0.5	0.5	19.7	10	2.5	2.99	2.22	15%
5585	10/4/2004	0.5	1960	0.121	0.5	0.5	28.4	10	2.5	2.97	2.08	18%
5595	10/11/2004	0.5	2010	0.135	0.5	0.5	17.9	10	2.5	3.02	2.24	15%
5605	10/21/2004	0.5	1730	0.116	0.5	0.5	29.3	10	2.5	3.36	2.38	17%
5616	10/26/2004	0.5	1860	0.109	0.5	0.5	36.9	10	2.5	3.21	2.46	13%
5625	11/2/2004	0.5	1930	0.125	0.5	0.5	32.8	10	2.5	3.35	2.54	14%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SNBG OR SRBG																
5635	11/10/2004	#N/A	Accepted					163	0.2	106	25.5	3.34	0.05		0.05	0.5
5645	11/16/2004	#N/A	Accepted					124	0.2	93	23.7	3.63	0.05		0.05	0.5
5655	11/23/2004	#N/A	Accepted					141	0.25	90	22.8	3.98	0.05		0.05	0.5
5665	12/7/2004	#N/A	Accepted					128	0.3	93	22.2	4.05	0.05		0.05	0.5
5675	12/27/2004	#N/A	Accepted					146	0.6	92	20.5	4.79	0.05		0.05	0.5
5684	1/4/2005	#N/A	Accepted					121	0.25	92	20.1	4.54	0.05		0.05	0.5
5692	2/22/2005	#N/A	Accepted					91.3	0.25	87	21.2	4.95	0.05		0.05	0.27
5702	3/22/2005	#N/A	Accepted					132	0.25	86	20.7	7.27	0.05	0.05	0.05	0.05
5709	4/5/2005	#N/A	Accepted					128	0.25	87	20.8	6.64	0.05		0.05	0.05
5730	6/6/2005	#N/A	Accepted			7.80	180	108	1.1	76	16.8	2.4	0.05		0.05	0.04
5741	7/7/2005	#N/A	Accepted			7.50	200	118	0.25	86	17.5	2.94	0.033		0.05	0.05
5750	8/1/2005	#N/A	Accepted					131	0.6	94	19.1	3.29	0.05		0.05	0.05
5773	10/31/2005	#N/A	Accepted					125	0.3	93	22.9	3.58	0.045		0.05	0.0435
5787	11/17/2005	#N/A	Accepted					134	0.2	90	20.9	4.43	0.05		0.05	0.0555
5815	1/5/2006	#N/A	Accepted					134	0.25	84	20.3	5.39	0.05		0.05	0.05
5829	5/2/2006	#N/A	Accepted					114	0.25	92	18.2	8.39	0.05		0.05	0.211
	Minimum			0.0	0.0	7.5	180.0	63.8	0.2	41.0	6.8	2.0	0.0	0.1	0.0	0.0
	Maximum			0.0	0.0	7.8	200.0	211.0	10.4	123.0	32.8	8.4	0.2	0.1	0.1	1.1
	Average			#DIV/0!	#DIV/0!	7.7	190.0	127.7	1.2	90.9	20.7	3.7	0.0	0.1	0.1	0.4
	Median			#NUM!	#NUM!	7.7	190.0	129.0	0.3	92.0	20.8	3.4	0.1	0.1	0.1	0.5
	Count			0	0	2	2	77	76	77	77	77	77	24	77	75

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SNBG OR SRBG																		
5635	11/10/2004	0.004		132.46	10	0.511	3.91	5.94	0.2	0.25	38.5	0.5	2	0.5	0.02	0.1	8.81	0.837
5645	11/16/2004	0.0025	0.0025	117.96	10	0.491	2.5	9.91	0.2	0.25	35	0.5	2	0.5	0.0165	0.1	7.41	2.55
5655	11/23/2004	0.0025	0.0025	116.29	10	0.5	2.5	11.4	0.2	0.25	34.4	0.5	2	0.5	0.02	0.1	7.37	2.53
5665	12/7/2004	0.0025	0.0025	110.95	10	0.397	2.5	10.7	0.2	0.25	33.2	0.5	2	0.5	0.0148	0.1	6.8	2.98
5675	12/27/2004	0.0025	0.0025	109.95	10	0.5	2.5	14.3	0.2	0.25	32.9	0.5	2	0.5	0.02	0.1	6.74	3.07
5684	1/4/2005	0.0025	0.0025	123.03	10	0.5	2.5	12	0.2	0.25	36.8	0.5	2	0.5	0.02	0.1	7.55	2.46
5692	2/22/2005	0.0025	0.0025	112.56	10	0.5	2.5	15	0.2	0.25	33.6	0.5	2	0.5	0.02	0.1	6.95	2.91
5702	3/22/2005	0.0025	0.0025	106.08	10	0.5	2	17.7	0.2	0.25	31.6	0.5	2	0.5	0.02	0.1	6.59	3.46
5709	4/5/2005	0.0025	0.0025	108.45	10	0.5	2.5	16.7	0.2	0.25	32.4	0.5	2	0.5	0.02	0.1	6.68	2.46
5730	6/6/2005	0.0025	0.0025	90.73	9.79	0.741	2.5	6.79	0.2	0.314	27.2	0.5	2	0.5	0.026	0.1	5.53	3.02
5741	7/7/2005	0.0025	0.0025	107.25	10	0.689	2.52	10.2	0.2	0.25	32.1	1.12	2	3.36	0.02	0.144	6.57	2.87
5750	8/1/2005	0.0025	0.0025	117.77	10	0.468	2.5	10.3	0.2	0.25	35.7	0.5	2	0.5	0.0143	0.1	6.94	2.95
5773	10/31/2005	0.0025	0.0025	117.88	10	0.414	1.82	8.66	0.2	0.25	35.3	0.5	2	0.5	0.0136	0.1	7.21	2.06
5787	11/17/2005	0.0025	0.0025	115.48	10	0.449	2.5	12.1	0.2	0.25	34.6	0.5	2	0.5	0.0263	0.1	7.05	5.22
5815	1/5/2006	0.003	0.0025	109.28	10	0.374	3.44	14.8	0.2	0.25	32.6	0.5	2	0.5	0.02	0.1	6.76	3.14
5829	5/2/2006	0.0025	0.0025	109.36	10	0.388	2.5	21.5	0.2	0.25	32.5	0.5	2	0.5	0.02	0.1	6.84	2.98
Minimum		0.0	0.0	47.6	6.5	0.3	1.5	3.2	0.2	0.1	14.4	0.5	2.0	0.3	0.0	0.1	2.8	0.5
Maximum		0.0	0.0	154.8	101.0	1.1	88.3	21.5	0.3	0.3	45.0	4.1	2.0	3.4	0.3	0.3	10.3	14.3
Average		0.0	0.0	111.6	12.5	0.5	4.2	10.4	0.2	0.2	33.2	0.8	2.0	0.5	0.0	0.1	7.0	3.3
Median		0.0	0.0	111.8	10.0	0.5	2.5	9.2	0.2	0.3	33.2	0.5	2.0	0.5	0.0	0.1	6.9	2.5
Count		76	74	77	77	77	75	77	77	77	77	77	77	77	77	77	77	77

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SNBG OR SRBG																			
5635	11/10/2004	0.5	5	0.919	100	219	2.5		0.5	2150	0.118	0.5	0.5	53.4	10	6.19	10	0.454	4.55
5645	11/16/2004	0.5	5	0.982	100	222	2.5		0.5	2080	0.133	0.5	0.5	34.4	10	2.69	10	0.521	2.5
5655	11/23/2004	1.8	5	1	100	250	2.5		0.5	2110	0.149	0.5	0.5	40.5	10	2.5	10	0.5	2.5
5665	12/7/2004	0.5	5	0.791	100	202	2.5		0.5	2230	0.142	0.5	0.5	27.2	10	2.5	10	0.465	2.5
5675	12/27/2004	0.5	5	1	100	250	2.5		0.5	2520	0.151	0.5	0.5	29.4	10	2.5	10	0.5	2.5
5684	1/4/2005	0.5	5	1	100	250	2.5		0.5	2250	0.166	0.5	0.5	26.5	10	2.5	10	0.5	2.5
5692	2/22/2005	0.5	5	1	100	250	2.5		0.5	2490	0.154	0.5	0.5	29.3	10	2.5	10	0.5	2.5
5702	3/22/2005	0.5	5	0.659	100	246	2.5		0.5	3170	0.178	0.5	0.5	19.4	10	2.5	10	0.5	2.5
5709	4/5/2005	0.5	5	1	100	250	2.5		0.5	3120	0.168	0.5	0.5	12.9	10	2.5	10	0.5	2.5
5730	6/6/2005	1	5	1.15	100	219	2.5		0.5	1580	0.103	0.5	0.5	29	10	2.5	10	0.66	1.98
5741	7/7/2005	0.7	5	0.885	100	258	2.5		0.5	2080	0.137	0.5	0.5	35.6	10	5.07	10	0.807	2.46
5750	8/1/2005	1.2	5	1.08	100	243	2.5		0.5	1990	0.144	0.5	0.5	34.7	10	2.5	10	0.475	2.5
5773	10/31/2005	1.2	5	0.984	100	191	2.5		0.5	1870	0.142	0.5	0.5	23.1	10	2.5	10	0.504	2.34
5787	11/17/2005	0.2	5	1.04	100	210	2.5		0.5	2380	0.153	0.5	0.5	31.1	10	3.17	10	0.5	2.12
5815	1/5/2006	0.2	5	0.804	100	351	2.5		0.5	3330	0.17	0.5	0.5	27.8	10	1.61	12.4	0.343	2.5
5829	5/2/2006	0.3	5	0.766	100	270	2.5		0.5	3760	0.185	0.5	0.5	30.8	10	2.5	10	0.5	1.74
	Minimum	0.2	0.5	0.6	15.0	171.0	0.8	2100.0	0.5	1200.0	0.0	0.2	0.5	3.5	2.5	1.0	10.0	0.3	1.6
	Maximum	3.2	7.0	2.2	250.0	351.0	5.6	2430.0	0.5	3760.0	0.2	1.2	6.6	54.3	10.0	6.2	12.4	0.8	90.6
	Average	0.9	5.0	1.0	67.9	243.1	2.5	2192.5	0.5	2139.0	0.1	0.5	1.4	31.0	9.9	2.2	10.1	0.5	3.8
	Median	0.5	5.0	1.0	100.0	246.0	2.5	2120.0	0.5	2070.0	0.1	0.5	0.5	31.1	10.0	2.5	10.0	0.5	2.5
	Count	75	77	77	77	77	77	4	77	77	77	77	77	77	77	76	77	77	77

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SNBG OR SRBG																			
5635	11/10/2004	5.54	0.2	0.25	37.3	0.377	2	0.5	0.02	0.1	8.68	0.538		5	0.82	100	207	2.5	
5645	11/16/2004	9.73	0.2	0.25	31.7	0.5	2	0.411	0.02	0.1	6.76	2.04		5	0.989	100	211	2.5	
5655	11/23/2004	11.8	0.2	0.25	29.8	0.5	2	0.5	0.02	0.1	6.35	2.33		5	1	100	250	2.5	
5665	12/7/2004	11.9	0.2	0.25	30.1	0.5	2	0.5	0.02	0.1	6.27	2.87		5	0.855	100	236	2.5	
5675	12/27/2004	12.7	0.2	0.25	31.8	0.5	2	0.5	0.02	0.1	6.48	1.88		5	1	100	250	2.5	
5684	1/4/2005	11.3	0.2	0.25	33.3	0.5	2	0.5	0.02	0.1	6.82	2.42		5	1	100	250	2.5	
5692	2/22/2005	13.9	0.2	0.25	32	0.5	2	0.5	0.02	0.1	6.74	2.88		5	1	100	250	2.5	
5702	3/22/2005	17.4	0.2	0.25	31.3	0.5	2	0.366	0.02	0.1	6.41	3.27		5	0.888	100	253	2.5	
5709	4/5/2005	16.3	0.2	0.25	30.7	0.5	2	0.5	0.02	0.1	6.61	2.52		5	1	100	250	2.5	
5730	6/6/2005	6.46	0.2	0.25	25.5	0.5	2	0.5	0.02	0.1	5.21	1.97		5	1.23	100	227	2.5	
5741	7/7/2005	10.2	0.218	0.25	31.8	1.15	2	0.5	0.02	0.24	6.41	2.75		5	1.06	100	259	2.5	
5750	8/1/2005	10.8	0.2	0.25	35.5	0.5	2	0.5	0.02	0.1	6.9	2.36		5	0.863	100	261	2.5	
5773	10/31/2005	8.98	0.2	0.132	34.7	0.5	2	0.5	0.02	0.1	7.22	2.06		5	0.916	100	225	2.5	
5787	11/17/2005	11.8	0.2	0.136	33.2	0.5	2	0.5	0.02	0.1	6.74	5.07		5	1.04	100	232	2.5	
5815	1/5/2006	14.9	0.2	0.25	31.6	0.5	2	0.5	0.02	0.1	6.67	2.61		5	0.641	100	247	2.5	
5829	5/2/2006	20.4	0.2	0.25	32.4	0.5	2	0.5	0.02	0.1	6.81	2.92		5	0.917	100	295	2.5	
	Minimum	2.4	0.2	0.1	13.6	0.3	2.0	0.3	0.0	0.1	2.8	0.1	0.0	0.5	0.6	12.1	164.0	2.5	0.0
	Maximum	20.4	0.2	0.3	48.0	3.8	2.0	0.9	0.0	0.3	10.6	12.5	0.0	8.1	1.6	250.0	372.0	4.1	0.0
	Average	10.3	0.2	0.2	32.0	0.7	2.0	0.5	0.0	0.1	6.8	2.3	#DIV/0!	5.0	1.0	68.2	240.6	2.6	#DIV/0!
	Median	9.6	0.2	0.3	32.1	0.5	2.0	0.5	0.0	0.1	6.7	2.0	#NUM!	5.0	1.0	100.0	242.0	2.5	#NUM!
	Count	77	77	77	77	77	77	77	77	77	77	77	0	77	77	77	77	77	0

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SNBG OR SRBG												
5635	11/10/2004	0.5	2120	0.114	0.5	0.5	50.3	10	1.7	3.57	2.67	14%
5645	11/16/2004	0.5	2010	0.122	0.5	0.5	34.9	10	2.36	3.22	2.23	18%
5655	11/23/2004	0.5	2230	0.127	0.5	0.5	37	10	2.5	3.12	2.11	19%
5665	12/7/2004	0.5	2430	0.129	0.5	0.5	11.6	10	2.5	3.15	2.13	19%
5675	12/27/2004	0.5	2250	0.149	0.5	0.5	14.9	10	2.5	3.05	2.23	16%
5684	1/4/2005	0.5	2180	0.151	0.5	0.5	26.7	10	2.5	3.03	2.33	13%
5692	2/22/2005	0.5	2580	0.145	0.5	0.5	26.2	10	2.5	2.98	2.27	13%
5702	3/22/2005	0.5	3120	0.174	0.5	0.5	17.9	10	1.58	2.96	2.23	14%
5709	4/5/2005	0.5	2830	0.167	0.5	0.5	15.1	10	2.5	2.98	2.21	15%
5730	6/6/2005	0.5	1610	0.0956	0.5	0.5	28.2	10	2.5	2.68	1.78	20%
5741	7/7/2005	0.5	2050	0.137	0.5	0.5	33.3	10	2.61	2.92	2.21	14%
5750	8/1/2005	0.5	2200	0.143	0.5	0.5	35.5	10	2.24	2.96	2.44	10%
5773	10/31/2005	0.5	1920	0.139	0.5	0.5	33.2	10	2.5	3.14	2.42	13%
5787	11/17/2005	0.5	2380	0.142	0.5	0.5	30.2	10	1.69	3.00	2.32	13%
5815	1/5/2006	0.5	2930	0.165	0.5	0.5	24.7	10	2.5	2.86	2.26	12%
5829	5/2/2006	0.5	3880	0.183	0.5	0.5	28.7	10	1.83	2.99	2.36	12%
Minimum		0.5	1080.0	0.0	0.2	0.5	8.1	1.9	1.0			
Maximum		0.5	3880.0	0.2	1.6	2.5	50.3	10.0	6.0			
Average		0.5	2126.4	0.1	0.5	1.3	29.7	9.9	2.3			
Median		0.5	2030.0	0.1	0.5	0.5	29.9	10.0	2.5			
Count		77	77	77	77	76	77	77	77			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.
- Ion balance greater than 20%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
SNGU																
5115	8/20/2003	#N/A	Accepted					264	0.7	174	55.7	2.37	0.05	0.05	0.05	0.5
5123	8/27/2003	#N/A	Accepted					250	1.4	168	52.1	2.36	0.05	0.05	0.05	0.05
5131	9/3/2003	#N/A	Accepted					246	1.2	163	52.7	2.42	0.05	0.05	0.05	
5138	9/10/2003	#N/A	Accepted					260	1.4	178	57.5	2.57	0.05	0.05	0.05	0.05
5147	9/17/2003	#N/A	Accepted					281	0.6	185	58.2	2.61	0.05	0.05	0.05	0.5
5155	9/24/2003	#N/A	Accepted					278	0.5	182	63.5	2.52	0.05	0.05	0.05	0.5
8023	4/6/2005	#N/A	Accepted					252	1.7	171	73.5	2.67	0.05		0.05	0.05
8032	5/19/2005	#N/A	Accepted			7.90	285	161	0.25	115	30.8	2.79	0.05		0.05	0.5
8044	6/13/2005	#N/A	Accepted			8.20	285	166	0.25	118	29.9	2.3	0.031		0.05	0.04
8056	7/11/2005	#N/A	Accepted					230	0.25	155	44.9	2.5	0.046		0.05	0.05
8066	8/8/2005	#N/A	Accepted					250	0.255	171	51.4	2.82	0.037		0.05	0.05
8078	9/27/2005	#N/A	Accepted					180	1.3	127	37.1	3.51	0.038		0.358	0.081
8083	10/19/2005	#N/A	Accepted					188	0.25	138	40.5	3.35	0.067		0.12	0.065
8095	11/14/2005	#N/A	Accepted					265	1.9	178	63.7	3.17	0.048		0.05	0.083
	Minimum			0.0	0.0	7.9	285.0	161.0	0.3	115.0	29.9	2.3	0.0	0.1	0.1	0.0
	Maximum			0.0	0.0	8.2	285.0	281.0	1.9	185.0	73.5	3.5	0.1	0.1	0.4	0.5
	Average			#DIV/0!	#DIV/0!	8.1	285.0	233.6	0.9	158.8	50.8	2.7	0.0	0.1	0.1	0.2
	Median			#NUM!	#NUM!	8.1	285.0	250.0	0.7	169.5	52.4	2.6	0.1	0.1	0.1	0.1
	Count			0	0	2	2	14	14	14	14	14	14	6	14	13

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
SNGU																		
5115	8/20/2003	0.0025	0.0025	241.3	10	7.11	64.8	5.89	0.2	0.05	70.8	2.26	2	0.5	0.02	0.1	16	0.5
5123	8/27/2003	0.0025	0.0025	231.7	10	7.29	57	5.6	0.2	0.05	66	0.5	2	0.5	0.02	0.1	15.4	1.06
5131	9/3/2003	0.0025	0.0025	228.5	10	6.78	57.5	4.77	0.2	0.05	69	0.5	2	0.5	0.02	0.1	15	1.1
5138	9/10/2003	0.0025	0.0025	221.7	10	7.81	58.1	5.11	0.2	0.05	70.6	1.46	2	0.5	0.02	0.1	16	1.86
5147	9/17/2003	0.0025	0.0025	248.3	10	6.75	53.8	5.2	0.2	0.05	78.4	2.09	2	0.5	0.02	0.1	17.1	0.5
5155	9/24/2003	0.0025	0.0025	266.3	10	6.98	53.9	5.13	0.2	0.05	81	0.5	2	1.05	0.02	0.1	17.3	0.5
8023	4/6/2005	0.0025	0.0025	244.17	10	2.82	20.2	5.58	0.2	0.25	71.2	0.5	2	0.5	0.02	0.1	16.1	0.5
8032	5/19/2005	0.0025	0.0025	151.13	10	4.91	48.8	4.56	0.2	0.25	44.9	1.07	2	0.5	0.02	0.1	9.46	4
8044	6/13/2005	0.0025	0.0025	159.66	10	4.77	44.9	3.91	0.2	0.079	47.9	0.5	2	0.45	0.02	0.1	9.71	0.5
8056	7/11/2005	0.0025	0.0025	202.25	10	6.41	50.6	4.61	0.2	0.25	59.2	0.996	2	0.5	0.02	0.1	13.2	0.5
8066	8/8/2005	0.0025	0.0025	238.47	10	6.52	55	5.82	0.2	0.25	70.4	0.5	2	0.5	0.02	0.1	15.2	0.5
8078	9/27/2005	0.0025	0.003	174.01	10	5.28	50	4.36	0.2	0.17	53	0.5	2	0.5	0.02	0.1	10.1	0.587
8083	10/19/2005	0.0025		182.43	10	5.39	47	4.22	0.2	0.25	53.9	0.5	2	0.5	0.02	0.1	11.6	0.5
8095	11/14/2005	0.0025	0.0025	252.46	8.66	5.82	45	5.52	0.2	0.25	73.2	0.5	2	0.5	0.0197	0.067	16.9	1.39
Minimum		0.0	0.0	151.1	8.7	2.8	20.2	3.9	0.2	0.1	44.9	0.5	2.0	0.5	0.0	0.1	9.5	0.5
Maximum		0.0	0.0	266.3	10.0	7.8	64.8	5.9	0.2	0.3	81.0	2.3	2.0	1.1	0.0	0.1	17.3	4.0
Average		0.0	0.0	217.3	9.9	6.0	50.5	5.0	0.2	0.1	65.0	0.9	2.0	0.5	0.0	0.1	14.2	1.0
Median		0.0	0.0	230.1	10.0	6.5	52.2	5.1	0.2	0.1	69.7	0.5	2.0	0.5	0.0	0.1	15.3	0.5
Count		14	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
SNGU																			
5115	8/20/2003		0.5	2.58	15	250	2.5	2160	0.5	1820	0.236	0.5	2.5	61.2	10	1	10	7.25	63.8
5123	8/27/2003		0.5	1	15	250	2.5		0.5	1640	0.228	0.5	2.5	13.7	10	1	10	7.62	59.5
5131	9/3/2003		0.5	1	15	250	2.5		0.5	1890	0.234	0.5	2.5	36.1	10	1	10	6.43	55.8
5138	9/10/2003		0.5	1	15	250	2.5		0.5	1890	0.246	0.5	2.5	35.8	10	1	10	6.16	58
5147	9/17/2003		0.5	2.63	15	250	2.5		0.5	1590	0.257	0.5	2.5	40.7	10	1	10	7.11	52.5
5155	9/24/2003		0.5	1	15	250	2.5		0.5	1650	0.245	0.5	2.5	37.4	10	1	10	7.09	55.5
8023	4/6/2005	0.5	5	1	100	250	2.5		0.5	1960	0.226	0.5	0.5	44.2	10	2.5	10	3.04	20.8
8032	5/19/2005	1.8	5	1	100	250	2.5		0.5	2180	0.149	0.5	0.5	49.2	10	2.5	10	4.74	44.2
8044	6/13/2005	1.4	5	1.28	100	229	2.5		0.5	1560	0.164	0.5	0.5	42.6	10	2.5	10	5.43	54.2
8056	7/11/2005	1.1	5	1.35	100	218	2.5		0.5	1740	0.213	0.5	0.5	71.8	10	2.09	10	5.96	56
8066	8/8/2005	1.5	5	1.61	100	228	2.5		0.5	2030	0.246	0.5	0.5	76	10	2.5	10	6.73	55.2
8078	9/27/2005	1.7	5	1.59	100	244	2.5		0.5	1800	0.174	0.5	0.5	41.7	10	2.5	10	6.02	52.4
8083	10/19/2005	1.4	5	1.3	100	205	2.5		0.5	1840	0.178	0.5	0.5	52.3	10	2.5	10	5.11	45
8095	11/14/2005	2	5	1.81	100	225	2.5		0.5	1950	0.244	0.5	0.5	34.9	10	42.2	10	5.8	42.1
Minimum		0.5	0.5	1.0	15.0	205.0	2.5	2160.0	0.5	1560.0	0.1	0.5	0.5	13.7	10.0	1.0	10.0	3.0	20.8
Maximum		2.0	5.0	2.6	100.0	250.0	2.5	2160.0	0.5	2180.0	0.3	0.5	2.5	76.0	10.0	2.5	10.0	7.6	63.8
Average		1.4	3.1	1.4	63.6	239.2	2.5	2160.0	0.5	1824.3	0.2	0.5	1.4	45.5	10.0	1.8	10.0	6.0	51.1
Median		1.5	5.0	1.3	100.0	250.0	2.5	2160.0	0.5	1830.0	0.2	0.5	0.5	42.2	10.0	2.1	10.0	6.1	54.7
Count		8	14	14	14	14	14	1	14	14	14	14	14	14	14	13	14	14	14

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
SNGU																			
5115	8/20/2003	5.91	0.2	0.05	70.4	0.5	2	0.5	0.02	0.1	15.9	0.5		0.5	1	15	250	2.5	
5123	8/27/2003	5.31	0.2	0.05	67.4	0.5	2	0.5	0.02	0.1	15.4	0.5		0.5	1	15	250	2.5	
5131	9/3/2003	5.07	0.2	0.05	66.6	0.5	2	0.5	0.02	0.1	15.1	0.5		0.5	1	15	250	2.5	
5138	9/10/2003	5.36	0.2	0.05	63.4	1.65	2	0.5	0.02	0.1	15.4	0.5		0.5	1	15	250	2.5	
5147	9/17/2003	5.16	0.2	0.05	72.4	2.29	2	0.5	0.02	0.1	16.4	0.5		0.5	2.76	15	250	2.5	
5155	9/24/2003	5.55	0.2	0.05	78.6	1.37	2	0.5	0.02	0.1	17	0.5		0.5	1	15	250	2.5	
8023	4/6/2005	5.67	0.2	0.25	69.6	0.5	2	0.5	0.02	0.1	15.9	0.5		5	1	100	250	2.5	
8032	5/19/2005	4.42	0.2	0.25	41.3	0.5	2	0.5	0.02	0.1	8.75	1.95		5	1	100	250	2.5	
8044	6/13/2005	4.13	0.2	0.088	46.5	1.03	2	0.5	0.02	0.1	9.47	0.5		5	1.31	100	272	2.5	
8056	7/11/2005	5.04	0.2	0.25	56.4	0.808	2	0.5	0.02	0.1	12.9	0.5		5	0.919	100	239	2.5	
8066	8/8/2005	5.92	0.2	0.25	68.7	0.5	2	0.5	0.02	0.1	14.5	0.5		5	2.46	100	216	2.5	
8078	9/27/2005	4.73	0.2	0.067	52.4	0.5	2	0.5	0.02	0.1	9.91	0.5		5	1.21	100	269	2.5	
8083	10/19/2005	3.92	0.2	0.449	54.6	0.5	2	0.312	0.02	0.217	11.8	0.5		5	1.59	100	264	2.5	
8095	11/14/2005	5.09	0.2	0.25	73.5	0.5	2	0.5	0.02	0.1	16.4	0.5		5	1.63	100	189	2.5	
	Minimum	3.9	0.2	0.1	41.3	0.5	2.0	0.3	0.0	0.1	8.8	0.5	0.0	0.5	0.9	15.0	189.0	2.5	0.0
	Maximum	5.9	0.2	0.4	78.6	2.3	2.0	0.5	0.0	0.2	17.0	2.0	0.0	5.0	2.8	100.0	272.0	2.5	0.0
	Average	5.1	0.2	0.2	63.0	0.8	2.0	0.5	0.0	0.1	13.9	0.6	#DIV/0!	3.1	1.3	63.6	246.4	2.5	#DIV/0!
	Median	5.1	0.2	0.1	67.0	0.5	2.0	0.5	0.0	0.1	15.3	0.5	#NUM!	5.0	1.0	100.0	250.0	2.5	#NUM!
	Count	14	14	14	14	14	14	14	14	14	14	14	0	14	14	14	14	14	0

ROCK CREEK BASELINE SURFACE WATER MONITORING

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
SNGU												
5115	8/20/2003	0.5	1950	0.236	0.5	2.5	58.3	10	1	6.50	4.92	14%
5123	8/27/2003	0.5	1640	0.227	0.5	2.5	8.21	10	1	6.15	4.71	13%
5131	9/3/2003	0.5	1770	0.237	0.5	2.5	40.1	10	1	6.08	4.65	13%
5138	9/10/2003	0.5	1990	0.242	0.5	2.5	56.9	10	1	6.64	4.53	19%
5147	9/17/2003	0.5	1670	0.246	0.5	2.5	32.9	10	1	6.85	5.04	15%
5155	9/24/2003	0.5	1840	0.243	0.5	2.5	31	10	2.16	7.07	5.41	13%
8023	4/6/2005	0.5	2080	0.226	0.5	0.5	46.4	10	2.5	7.35	4.88	20%
8032	5/19/2005	0.5	1860	0.137	0.5	0.5	37.6	10	2.5	4.24	2.87	19%
8044	6/13/2005	0.5	1630	0.157	0.5	0.5	53.9	10	2.5	4.22	3.18	14%
8056	7/11/2005	0.5	1920	0.205	0.5	0.5	45.2	10	2.5	5.52	3.97	16%
8066	8/8/2005	0.5	2100	0.239	0.5	0.5	73.9	10	2.5	6.19	4.72	13%
8078	9/27/2005	0.5	2040	0.172	0.5	0.5	62.6	10	2.5	4.57	3.53	13%
8083	10/19/2005	0.5	1920	0.179	0.5	0.5	32.7	10	2.97	4.97	3.79	13%
8095	11/14/2005	0.5	1810	0.243	0.5	0.5	108	10	16	6.98	5.10	16%
Minimum		0.5	1630.0	0.1	0.5	0.5	8.2	10.0	1.0			
Maximum		0.5	2100.0	0.2	0.5	2.5	73.9	10.0	3.0			
Average		0.5	1872.9	0.2	0.5	1.4	44.6	10.0	1.9			
Median		0.5	1890.0	0.2	0.5	0.5	45.2	10.0	2.5			
Count		14	14	14	14	14	13	14	13			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.
- Ion balance greater than 20%

Surface Water Monitoring
at Rock Creek

Rock Creek Analysis of Duplicates

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES

Station	Sample ID# Units	Date	Lab Work Order #	Comments	Status	Reason Rejected	Field pH pH units	Field Cond us/cm	Lab pH pH units	Lab Cond us/cm	TDS mg/L
Detection Limits (PQL)											
GLAC	5948	1/15/2007	1070250		Accepted				0.1	1	10
GLAC?	DUPL 5954	1/16/2007	1070250	Collection station not recorded. Looks like GLAC	Rejected	No Field Documents					146
	RPD			Good duplicates, but can't use due to lack of documentation.							13%
SABC	5956	3/5/2007	1070892		Accepted						106
SABC	DUPL 5962	3/5/2007	1070892		Accepted						118
	RPD			Good duplicates							-11%
RCK1A	5966	6/4/2007	1072562		Accepted						111
RCK1A	DUPL 5970	6/4/2007	1072562		Accepted						119
	RPD			Good duplicates							-7%
RCK1B	5975	11/8/2007	1076030		Accepted				8.08	310	123
RCK1B	DUPL 5978	11/8/2007	1076030		Accepted				8.13	310	185
	RPD			Good duplicates. TDS does not duplicate very well, but was not reflected in other results. Therefore not a concern and too late for rerun.							-40%

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES

Station	Sample ID#	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2	CN-T	CN-WAD	Calc. Hardness
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Detection Limits (PQL)		0.5	10	0.1	0.1	0.1	0.05	0.1	0.1	0.005	0.005	
GLAC	5948	0.2	112	26.7	2.85	0.05		0.05	0.044	0.0025	0.0025	137.32
GLAC?	DUPL 5954	0.25	116	26.7	2.86	0.05		0.05	0.0775	0.0025	0.0025	133.25
RPD		-22%	-4%	0%	0%	0%	#DIV/0!	0%	-55%	0%	0%	3%
		ok, <DL							ok, <DL			
SABC	5956	0.25	94	21.4	4.33	0.05		0.032	0.075	0.0025	0.0025	112.86
SABC	DUPL 5962	0.253	94	20.6	4.16	0.05		0.05	0.06	0.0025	0.0025	111.28
RPD		-1%	0%	4%	4%	0%	#DIV/0!	-44%	22%	0%	0%	1%
								ok, <DL	ok, <DL			
RCK1A	5966	2.1	82	13.3	2.2	0.064		0.05	0.05	0.0025	0.0025	90.88
RCK1A	DUPL 5970	1	82	13.3	2.21	0.063		0.05	0.04	0.0025	0.0025	93.08
RPD		71%	0%	0%	0%	2%	#DIV/0!	0%	22%	0%	0%	-2%
		ok, <5xDL							ok, <DL			
RCK1B	5975	2.21	136	31.5	2.37	0.05		0.05	0.0505	0.0017	0.0025	167.52
RCK1B	DUPL 5978	1	134	31.4	2.37	0.032		0.05	0.051	0.0025	0.0025	166.19
RPD		75%	1%	0%	0%	44%	#DIV/0!	0%	-1%	-38%	0%	1%
		ok, <5xDL				ok, <DL				ok, <DL		

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES

Station	Sample ID#	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T	Hg-T	Mo-T	Ni-T	P-T					
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L					
Detection Limits (PQL)		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200					
GLAC	5948	10	0.771	7.4	3.99	0.2	0.25	40	0.5	2	0.312	0.01	0.1	9.08	0.906		5	1.03	100					
GLAC?	DUPL 5954	10	0.414	5.03	3.75	0.2	0.25	38.8	0.5	2	0.332	0.01	0.1	8.82	0.834		5	1.2	100					
RPD		0%	60%	38%	6%	0%	0%	3%	0%	0%	-6%	0%	0%	3%	8%	#DIV/0!	0%	-15%	0%					
		ok, <DL		ok, <2xDL																				
SABC	5956	10	0.367	2.5	12.5	0.2	0.25	33.8	0.5	2	0.5	0.01	0.1	6.9	0.647	0	5	0.915	100					
SABC	DUPL 5962	10	0.5	2.5	12.8	0.2	0.407	33.3	0.5	2	0.5	0.0066	0.1	6.82	0.594	0.5	5	0.778	100					
RPD		0%	-31%	0%	-2%	0%	-48%	1%	0%	0%	0%	42%	0%	1%	9%	-200%	0%	16%	0%					
		ok, <DL				ok, <DL						ok, <DL				ok, <DL								
RCK1A	5966	41.5	0.5	16.8	4.44	0.2	0.25	28	0.5	2	0.5	0.0639	0.1	5.08	3.88	0	5	1.2	100					
RCK1A	DUPL 5970	53	0.5	16	4.77	0.2	0.25	28.7	0.5	2	0.357	0.0788	0.1	5.19	4.52	0	5	1.28	100					
RPD		-24%	0%	5%	-7%	0%	0%	-2%	0%	0%	33%	-21%	0%	-2%	-15%	#DIV/0!	0%	-6%	0%					
		ok, <3xDL								ok, <DL		ok, <4xDL												
RCK1B	5975	30.5	1.38	55.2	6.68	0.2	0.25	48.1	1	2	0.5	0.0677	0.1	11.5	10.7	1.05	5	1.84	100					
RCK1B	DUPL 5978	24.6	1.39	55.8	6.79	0.2	0.25	47.9	1	2	0.352	0.0597	0.1	11.3	9.93	0	5	1.82	100					
RPD		21%	-1%	-1%	-2%	0%	0%	0%	0%	0%	35%	13%	0%	2%	7%	200%	0%	1%	0%					
		ok, <2xDL								ok, <DL						ok, <DL								

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES

Station	Sample ID#	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Ti-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D	Ba-D	Be-D	Cd-D	Ca-D	
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	
Detection Limits (PQL)		500	5	200	1	500	0.005	1	1	5	20	5	20	1	5	3	0.4	0.5	0.1	
GLAC	5948	174	2.5	2180	0.5	1950	0.115	0.5	2.67	50	10	2.5	10.2	0.512	6.9	4.34	0.2	0.25	40.8	
GLAC?	DUPL 5954	156	2.5	2130	0.5	1980	0.113	0.5	0.5	47.8	10	2.5	10	0.394	6.44	3.99	0.2	0.25	39.9	
RPD		11%	0%	2%	0%	-2%	2%	0%	137%	4%	0%	0%	2%	26%	7%	8%	0%	0%	2%	
									ok, <3xDL											
SABC	5956	267	2.5		0.5	2880	0.157	0.332	0.871	38.7	10	2.5	10	0.5	2.5	10.8	0.2	0.25	32.9	
SABC	DUPL 5962	329	2.5		0.5	2420	0.156	0.5	0.5	30.7	10	4.28	10	0.5	2.5	11.3	0.2	0.25	32.8	
RPD		-21%	0%	#DIV/0!	0%	17%	1%	-40%	54%	23%	0%	-53%	0%	0%	0%	-5%	0%	0%	0%	
		ok, <DL						ok, <DL		ok, <DL		ok		ok, <DL						
RCK1A	5966	267	2.5		0.5	1670	0.0815	0.5	0.5	31.2	10	2.5	7.93	0.467	14	4.2	0.2	0.25	29.6	
RCK1A	DUPL 5970	298	2.5		0.5	1790	0.0831	0.5	0.5	29.2	10	2.5	8.72	0.333	15	4.65	0.2	0.25	31.1	
RPD		-11%	0%	#DIV/0!	0%	-7%	-2%	0%	0%	7%	0%	0%	-9%	34%	-7%	-10%	0%	0%	-5%	
														ok, <DL						
RCK1B	5975	249	2.5		0.5	2110	0.14	0.5	0.5	56.2	10	3.32	10	1.27	51.7	6.58	0.2	0.25	47.3	
RCK1B	DUPL 5978	247	2.5		0.5	2120	0.138	0.5	0.5	50.6	10	2.5	10	1.25	51.6	6.34	0.2	0.25	46.9	
RPD		1%	0%	#DIV/0!	0%	0%	1%	0%	0%	10%	0%	28%	0%	2%	0%	4%	0%	0%	1%	
												ok, <DL								

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES

Station	Sample ID#	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D	Ag-D	Na-D	Sr-D	Tl-D
	Units	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200	1	500	0.005	1
GLAC	5948	0.5	2	0.5	0.01	0.1	9.29	0.852		5	1.3	100	161	2.5	2080	0.5	2160	0.122	0.5
GLAC?	DUPL 5954	0.5	2	0.5	0.01	0.1	9.06	0.792		5	1.31	100	166	2.5	2070	0.5	2200	0.116	0.5
RPD		0%	0%	0%	0%	0%	3%	7%	#DIV/0!	0%	-1%	0%	-3%	0%	0%	0%	-2%	5%	0%
SABC	5956	0.5	2	0.5	0.01	0.1	6.74	0.457		5	0.803	100	241	2.5		0.5	2500	0.155	0.5
SABC	DUPL 5962	0.5	2	0.5	0.01	0.1	6.74	0.472		5	0.774	100	242	2.5		0.5	2700	0.155	0.5
RPD		0%	0%	0%	0%	0%	0%	-3%	#DIV/0!	0%	4%	0%	0%	0%	#DIV/0!	0%	-8%	0%	0%
RCK1A	5966	0.5	2	0.5	0.0097	0.1	5.35	1.68		5	1.17	100	261	2.5		0.5	1720	0.0861	0.5
RCK1A	DUPL 5970	0.5	2	0.5	0.0095	0.1	5.6	1.8		5	1.17	100	290	2.5		0.5	1810	0.0905	0.5
RPD		0%	0%	0%	3%	0%	-5%	-7%	#DIV/0!	0%	0%	0%	-11%	0%	#DIV/0!	0%	-5%	-5%	0%
RCK1B	5975	1	2	0.317	0.01	0.1	11.4	8.17		5	1.76	100	269	2.5		0.5	2260	0.138	0.5
RCK1B	DUPL 5978	1	2	0.392	0.0064	0.1	11.5	8.48		5	1.84	100	262	2.5		0.5	2190	0.14	0.5
RPD		0%	0%	-21%	45%	0%	-1%	-4%	#DIV/0!	0%	-4%	0%	3%	0%	#DIV/0!	0%	3%	-1%	0%
				ok, <DL ok, <DL															

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES

Station	Sample ID#	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
	Units	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	5	20	5			
GLAC	5948	0.331	50.8	10	2.5	3.71	2.90	12%
GLAC?	DUPL 5954	0.5	51.4	10	2.5	3.79	2.84	14%
RPD		-41%	-1%	0%	0%			
		ok, <DL						
SABC	5956	0.5	34.6	6.3	4.76	3.10	2.31	15%
SABC	DUPL 5962	0.5	37.1	10	2.87	3.06	2.32	14%
RPD		0%	-7%	-45%	50%			
				ok, <DL ok, <DL				
RCK1A	5966	0.315	29.4	10	3.41	2.39	2.00	9%
RCK1A	DUPL 5970	0.5	27.5	10	2.5	2.39	2.10	6%
RPD		-45%	7%	0%	31%			
		ok, <DL		ok, <DL				
RCK1B	5975	0.5	49.4	10	2.5	4.66	3.41	16%
RCK1B	DUPL 5978	0.5	55.6	10	2.5	4.61	3.39	15%
RPD		0%	-12%	0%	0%			

RPD is >20%

Surface Water Monitoring
at Rock Creek

Other Rock Creek Duplicates

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
DUPLICATES																
DUPL - 5381	5/3/2004	#N/A						111	2.8	65	12.4	4.82	0.037		0.05	0.5
DUPL - 5389	5/11/2004	#N/A						106	3.2	71	15.7	2.75	0.041		0.05	0.5
DUPL - 5397	5/17/2004	#N/A						66.3	30.4	31	6.55	2.08	0.044		0.05	0.5
DUPL - 5406	5/24/2004	#N/A						70	6.9	41.5	5.91	2.04	0.05		0.05	0.5
DUPL - 5419	6/1/2004	#N/A						104	1.1	70	16.4	2.27	0.04		0.05	0.5
DUPL - 5423	6/7/2004	#N/A						110	0.4	84	12.9	2.09	0.044		0.05	0.5
DUPL - 5437	6/14/2004	#N/A						143	0.8	100	18.5	2.43	0.043		0.05	0.31
DUPL - 5446	6/21/2004	#N/A						139	0.4	104	17	2.68	0.045		0.05	2.67
DUPL - 5455	6/30/2004	#N/A						164	0.4	114	28.1	2.77	0.05		0.05	2.7
DUPL - 5466	7/6/2004	#N/A						174	1.5	147	32.4	2.52	0.046		0.05	0.5
DUPL - 5476	7/13/2004	#N/A						183	0.8	140	21	2.67	0.059		0.05	0.5
DUPL - 5486	7/19/2004	#N/A						155	0.25	111	20.3	2.73	0.042		0.05	1
DUPL - 5496	7/26/2004	#N/A						131	3.2	89	21.1	3.09	0.054		0.094	1
DUPL - 5506	8/2/2004	#N/A						134	1	93	20.7	2.85	0.05		0.05	0.5
DUPL - 5516	8/9/2004	#N/A						210	0.8	150	32.4	2.39	0.07		0.064	0.5
DUPL - 5516	8/16/2004	#N/A						139	2	90	15.1	2.27	0.033		0.05	0.5
DUPL - 5526	8/23/2004	#N/A						151	1.5	122	18.9	2.37	0.031		0.05	0.5
DUPL - 5536	8/30/2004	#N/A						130	0.5	104	19.6	2.53	0.048		0.05	0.5
DUPL - 5546	9/7/2004	#N/A						131	0.7	96	20.4	3	0.05		0.05	0.5
DUPL - 5556	9/13/2004	#N/A						184	0.9	130	32.6	2.57	0.092		0.05	0.5
DUPL - 5566	9/20/2004	#N/A						139	0.6	122	23.1	2.51	0.05		0.048	0.5
DUPL - 5576	9/27/2004	#N/A						254	0.25	107	22.9	2.69	0.05		0.05	0.5
DUPL - 5586	10/4/2004	#N/A						141	0.25	134	23.8	2.89	0.05		0.05	
DUPL - 5596	10/11/2004	#N/A						174	0.2	92	22.1	2.72	0.05		0.05	
DUPL - 5606	10/20/2004	#N/A						159	0.4	116	19.2	3.49	0.05		0.05	0.5
DUPL - 5615	10/26/2004	#N/A						138	5.5	108	23.6	3.71	0.05		0.05	0.33
DUPL - 5626	11/1/2004	#N/A						148	0.8	108	11	1.94	0.05		0.053	0.5
DUPL - 5636	11/10/2004	#N/A						218	1.4	132	29.5	2.88	0.05		0.05	0.5
DUPL - 5646	11/15/2004	#N/A						144	0.3	109	25.8	2.9	0.05		0.05	0.5
DUPL - 5656	11/23/2004	#N/A						216	0.25	143	36.2	2.63	0.05		0.05	0.5
DUPL - 5666	12/7/2004	#N/A						140	0.2	102	23.8	3.19	0.05		0.05	0.5
DUPL - 5676	12/20/2004	#N/A						184	0.4	128	39.9	2.9	0.05		0.036	0.5
DUPL - 5685	1/4/2005	#N/A						179	0.25	150	24.5	2.9	0.05		0.108	0.5

ROCK CREEK BASELINE SURFACE WATER MONITORING
Duplicates

Sample ID#	Date	CN-T	CN-WAD	Calc.	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T	
		Units	mg/L	mg/L	Hardness	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
		Detection Limits (PQL)	0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
DUPLICATES																			
DUPL - 5381	5/3/2004	0.0025	0.0025	75.62	19.5	0.423	5.39	2.57	0.2	0.25	21.7	0.5	2	0.5	0.0261	0.1	5.2	4.94	
DUPL - 5389	5/11/2004	0.0025	0.0025	86.57	21.1	0.542	2.5	5.99	0.2	0.25	25.7	0.5	2	0.341	0.0343	0.1	5.43	4.28	
DUPL - 5397	5/17/2004	0.0025	0.0025	35.67	169	0.507	93	3.61	0.2	0.25	10.6	0.5	2	1.17	0.492	1.13	2.23	26.9	
DUPL - 5406	5/24/2004	0.0025	0.0025	48.67	50.7	0.5	3.46	2.31	0.2	0.25	14.6	0.5	2	0.442	0.0578	0.177	2.96	6.48	
DUPL - 5419	6/1/2004	0.0025	0.0025	90.46	18.2	1.43	65.2	2.58	0.2	0.25	26.5	0.5	2	0.693	0.0362	0.101	5.89	2.77	
DUPL - 5423	6/7/2004	0.0025	0.0025	97.43	6.52	0.32	24.9	5.32	0.2	0.25	29.8	0.5	2	0.36	0.02	0.1	5.58	0.562	
DUPL - 5437	6/14/2004	0.0025	0.0025	119.42	10.5	0.5	22.2	4.35	0.2	0.25	37.1	1.19	2	0.385	0.02	0.1	6.49	2.16	
DUPL - 5446	6/21/2004	0.0064	0.008	111.00	10	0.48	5.52	3.97	0.2	0.25	32.4	1.65	2	0.314	0.0138	0.1	7.3	0.898	
DUPL - 5455	6/30/2004	0.0025	0.0025	138.15	9.35	1.03	81	3.98	0.2	0.25	40.2	0.5	2	0.5	0.02	0.1	9.16	0.901	
DUPL - 5466	7/6/2004	0.0025	0.0025	188.22	6.57	0.387	86.8	2.27	0.2	0.25	52.6	4.09	2	0.5	0.02	0.1	13.8	1.93	
DUPL - 5476	7/13/2004	0.0025	0.0025	156.53	7.11	0.324	32.9	7.35	0.2	0.25	47.8	0.641	2	0.5	0.02	0.1	9.01	1.6	
DUPL - 5486	7/19/2004	0.0025	0.0025	130.94	10	0.512	6.71	4.79	0.2	0.25	38.4	0.5	2	0.314	0.02	0.1	8.5	3.35	
DUPL - 5496	7/26/2004	0.0025	0.0025	112.87	11.6	0.413	2.86	9.27	0.2	0.25	34	0.5	2	0.5	0.0135	0.1	6.78	3.54	
DUPL - 5506	8/2/2004	0.0025	0.0025	110.37	10	0.668	4.01	9	0.2	0.25	33	0.5	2	0.5	0.0163	0.1	6.78	3.33	
DUPL - 5516	8/9/2004	0.0025	0.0025	178.70	10	0.444	99.2	2.72	0.2	0.25	50.6	0.5	2	0.5	0.0157	0.123	12.7	3.9	
DUPL - 5516	8/16/2004	0.0025	0.0025	100.45	12.3	0.525	5.74	3.53	0.2	0.25	29.2	0.468	2	0.5	0.02	0.074	6.68	1.23	
DUPL - 5526	8/23/2004	0.0025	0.0025	137.22	10	0.5	31.3	6.75	0.2	0.25	42	0.5	2	0.5	0.02	0.1	7.84	0.75	
DUPL - 5536	8/30/2004	0.0025	0.0025	116.69	10	0.5	4.21	3.72	0.2	0.25	34.2	0.5	2	0.5	0.02	0.1	7.59	0.6	
DUPL - 5546	9/7/2004	0.0025	0.0025	107.32	10	0.404	2.41	10.3	0.2	0.25	31.8	0.5	2	0.5	0.0195	0.1	6.77	3.47	
DUPL - 5556	9/13/2004	0.0025	0.0025	156.56	10	0.5	2.5	15.2	0.2	0.25	46.2	0.5	2	0.384	0.0435	0.1	9.99	3.03	
DUPL - 5566	9/20/2004	0.0025	0.0025	141.25	10	0.429	26.1	6.66	0.2	0.25	43.3	0.5	2	0.357	0.0135	0.1	8.03	9.78	
DUPL - 5576	9/27/2004	0.0025	0.0025	136.27	10	0.5	3.95	3.61	0.2	0.25	39.4	0.5	2	0.322	0.02	0.1	9.19	0.441	
DUPL - 5586	10/4/2004	0.0025	0.0025	142.62	10	0.5	20.1	4.1	0.2	0.25	43.5	0.5	2	0.424	0.02	0.1	8.24	3.47	
DUPL - 5596	10/11/2004	0.0025	0.0025	116.02	7.15	0.5	22.5	5.7	0.2	0.25	34.8	0.5	2	0.565	0.02	0.1	7.06	7.1	
DUPL - 5606	10/20/2004	0.0025	0.0025	144.57	10	0.5	30.1	5.52	0.2	0.25	44.1	0.5	2	0.5	0.02	0.1	8.35	0.5	
DUPL - 5615	10/26/2004	0.0025	0.004	138.98	31.7	0.326	36	5.14	0.2	0.25	41.7	0.5	2	0.316	0.0747	0.143	8.45	10.2	
DUPL - 5626	11/1/2004	0.0025	0.0025	140.03	10	0.431	4.86	4.23	0.2	0.25	40.1	0.5	2	0.5	0.02	0.1	9.68	0.847	
DUPL - 5636	11/10/2004	0.003		163.41	10	0.459	45.9	5.16	0.2	0.25	48.1	0.5	2	0.319	0.0381	0.1	10.5	9.52	
DUPL - 5646	11/15/2004	0.0035	0.0039	131.98	10	0.494	5.43	4.04	0.2	0.25	37.8	0.438	2	0.5	0.02	0.1	9.12	0.662	
DUPL - 5656	11/23/2004	0.0025	0.0025	188.06	10	0.5	83.4	1.5	0.2	0.25	52.7	0.5	2	0.5	0.02	0.1	13.7	1.03	
DUPL - 5666	12/7/2004	0.0025	0.0025	117.88	10	0.48	2.5	7.7	0.2	0.25	35.2	0.5	2	0.5	0.02	0.1	7.27	1.08	
DUPL - 5676	12/20/2004	0.0025	0.0025	162.96	10	0.861	79	4.48	0.2	0.25	47.1	0.5	2	0.37	0.0173	0.1	11	0.798	
DUPL - 5685	1/4/2005	0.0025	0.0025	118.59	10	0.5	25.3	5.72	0.2	0.25	35.5	0.5	2	0.5	0.02	0.1	7.26	0.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
DUPLICATES																			
DUPL - 5381	5/3/2004	2	5	1.24	100	297	2.5		0.5	2350	0.0707	0.5	0.5	17.3	10	2.5	10	0.399	4.87
DUPL - 5389	5/11/2004	2.6	5	1.12	100	326	2.5		0.5	1820	0.105	0.5	0.5	24.2	10	2.5	6.99	0.686	2.11
DUPL - 5397	5/17/2004	5.2	5	1.72	100	345	2.5		0.5	1350	0.0354	0.5	0.5	12.7	10	2.85	19.8	0.328	43.1
DUPL - 5406	5/24/2004	3	5	0.623	100	178	2.5		0.5	1210	0.0394	0.5	0.5	11	10	2.5	15.7	0.5	2.52
DUPL - 5419	6/1/2004	2.6	5	1.59	100	246	2.5		0.5	1620	0.073	0.5	0.5	25.5	10	2.5	6.26	0.612	61.5
DUPL - 5423	6/7/2004	1.2	5	0.893	100	288	2.5		0.5	1790	0.0834	0.5	0.5	31.8	10	2.5	10	0.5	21.9
DUPL - 5437	6/14/2004	0.5	5	0.974	100	226	2.5		0.5	1800	0.102	0.5	0.5	32.9	10	2.5	10	0.5	18.9
DUPL - 5446	6/21/2004	1.2	5	0.857	100	219	2.5		0.5	1870	0.093	0.5	0.5	29.7	10	2.5	10	0.316	3.35
DUPL - 5455	6/30/2004	1.4	5	0.859	100	216	2.5		0.5	2070	0.125	0.5	0.5	58.7	10	2.5	10	1.13	86
DUPL - 5466	7/6/2004	1.1	5	1.17	100	192	5.98		0.5	1700	0.138	0.5	0.853	65	10	2.5	10	0.4	89.3
DUPL - 5476	7/13/2004	2	5	0.898	100	201	2.5		0.5	2250	0.14	0.5	0.5	59.7	10	2.5	10	0.349	31
DUPL - 5486	7/19/2004	0.5	5	0.873	100	173	2.5		0.5	1770	0.116	0.5	0.5	38.9	10	2.5	10	0.498	8.45
DUPL - 5496	7/26/2004	0.5	5	0.63	100	259	2.5		0.5	1880	0.139	0.5	0.5	32.7	10	2.5	10	0.618	1.82
DUPL - 5506	8/2/2004	0.5	5	1	100	283	2.5		0.5	2180	0.138	0.5	0.5	43.6	10	2.5	10	0.57	2.65
DUPL - 5516	8/9/2004	0.5	5	1	100	231	2.5		0.5	1680	0.14	0.5	0.5	47	10	2.5	10	0.5	105
DUPL - 5516	8/16/2004	1.2	5	1	100	216	2.5		0.5	1780	0.0884	0.5	0.5	24.2	10	4.56	10	0.467	5.34
DUPL - 5526	8/23/2004	1.3	5	0.77	100	250	2.5		0.5	1910	0.125	0.5	0.5	43.2	10	2.5	10	0.5	29.2
DUPL - 5536	8/30/2004	0.5	5	1	100	167	2.5		0.5	1930	0.106	0.5	0.5	29.8	10	2.5	10	0.328	3.73
DUPL - 5546	9/7/2004	0.5	5	1	100	240	2.5		0.5	2050	0.136	0.5	0.5	33.8	10	2.5	10	0.514	1.65
DUPL - 5556	9/13/2004	1.2	5	1.3	100	154	2.5		0.5	2070	0.136	0.5	0.5	37.2	10	2.5	10	0.927	77.7
DUPL - 5566	9/20/2004	0.5	5	0.628	100	237	2.5		0.5	1850	0.131	0.5	0.5	54.3	10	2.5	10	0.477	26.1
DUPL - 5576	9/27/2004	0.5	5	1	100	151	2.5		0.5	1720	0.111	0.5	0.5	28	10	2.5	10	0.384	4.03
DUPL - 5586	10/4/2004	0.5	5	0.629	100	158	2.5		0.5	1440	0.128	0.5	0.5	15.9	10	2.5	10	0.5	32.4
DUPL - 5596	10/11/2004	1.8	5	1.59	100	260	2.5		0.5	1770	0.137	0.5	0.5	16.7	10	2.5	10	0.618	1.79
DUPL - 5606	10/20/2004	1.4	5	0.978	100	243	2.5		0.5	1960	0.117	0.5	0.5	32.3	10	2.5	10	0.5	31.4
DUPL - 5615	10/26/2004	1.7	5	1.06	100	217	2.5		0.5	2020	0.12	0.5	0.5	39.1	10	1.56	10	0.318	29.2
DUPL - 5626	11/1/2004	0.5	5	0.801	100	151	2.5		0.5	1810	0.115	0.5	0.5	42.2	10	2.5	10	0.467	6.06
DUPL - 5636	11/10/2004	1.8	5	1.25	100	220	2.5		0.5	1910	0.138	0.5	0.5	64.8	10	2.5	10	0.47	43
DUPL - 5646	11/15/2004	0.5	5	1.07	100	177	2.5		0.5	1780	0.109	0.5	0.5	51.8	10	2.5	10	0.446	3.53
DUPL - 5656	11/23/2004	0.5	5	1	100	250	2.5		0.5	1640	0.132	0.5	0.5	71.7	10	2.5	10	0.5	94
DUPL - 5666	12/7/2004	0.5	5	0.698	100	188	2.5		0.5	1960	0.137	0.5	0.5	12.4	10	2.5	10	0.525	2.5
DUPL - 5676	12/20/2004	0.5	5	1.29	100	197	2.5		0.5	1970	0.141	0.5	0.5	54.2	10	2.5	10	0.777	75.3
DUPL - 5685	1/4/2005	0.5	5	1	100	250	2.5		0.5	2070	0.161	0.5	0.5	45.9	10	2.5	10	0.5	26.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
DUPLICATES																			
DUPL - 5381	5/3/2004	2.41	0.2	0.25	20.6	0.5	2	0.5	0.02	0.1	5.31	0.578		5	1	100	327	2.5	
DUPL - 5389	5/11/2004	5.6	0.2	0.25	21.3	0.5	2	0.406	0.02	0.1	4.53	1.52		5	1.09	100	291	2.5	
DUPL - 5397	5/17/2004	1.01	0.2	0.25	9.16	0.5	2	0.604	0.055	0.1	1.96	2.32		5	0.972	100	322	2.5	
DUPL - 5406	5/24/2004	1.67	0.2	0.25	13.7	0.5	2	0.5	0.02	0.1	2.83	0.579		5	1	100	158	2.5	
DUPL - 5419	6/1/2004	2.41	0.2	0.25	23	0.5	2	0.477	0.02	0.1	5.07	0.986		5	1.03	100	232	2.5	
DUPL - 5423	6/7/2004	4.47	0.2	0.25	28.7	0.5	2	0.321	0.02	0.1	5.38	0.5		5	1	100	254	2.5	
DUPL - 5437	6/14/2004	3.96	0.2	0.25	37	0.963	2	0.5	0.02	0.1	6.59	1.1		5	0.991	100	212	2.5	
DUPL - 5446	6/21/2004	3.46	0.2	0.25	32.3	0.5	2	0.5	0.02	0.1	7.11	0.359		5	0.654	100	199	2.5	
DUPL - 5455	6/30/2004	4.05	0.2	0.25	40.1	0.5	2	0.5	0.02	0.1	8.7	0.395		5	0.761	100	248	2.5	
DUPL - 5466	7/6/2004	2.39	0.2	0.25	47.4	3.52	2	0.5	0.02	0.1	12.4	1.56		5	1.03	100	226	2.95	
DUPL - 5476	7/13/2004	6.82	0.2	0.25	45.2	0.5	2	0.5	0.02	0.1	8.5	0.367		5	0.818	100	170	2.5	
DUPL - 5486	7/19/2004	5.12	0.2	0.25	37.6	0.5	2	0.5	0.02	0.1	7.94	0.82		5	1	100	177	2.5	
DUPL - 5496	7/26/2004	8.75	0.2	0.25	32.1	0.5	2	0.5	0.02	0.1	6.46	1.45		5	0.812	100	240	2.5	
DUPL - 5506	8/2/2004	8.14	0.2	0.25	32.3	0.5	2	0.5	0.02	0.1	6.42	2.29		5	1	63.8	274	2.5	
DUPL - 5516	8/9/2004	2.93	0.2	0.25	49.2	0.5	2	0.49	0.02	0.109	12.2	3.54		5	1	100	254	2.5	
DUPL - 5516	8/16/2004	3.32	0.2	0.25	28.9	0.5	2	0.5	0.02	0.1	6.54	0.561		5	1	100	250	2.5	
DUPL - 5526	8/23/2004	6.51	0.2	0.25	40.6	0.5	2	0.5	0.02	0.1	7.84	0.5		5	1	100	153	2.5	
DUPL - 5536	8/30/2004	3.81	0.2	0.25	31.6	0.5	2	0.5	0.02	0.1	6.98	0.473		5	1	100	175	2.5	
DUPL - 5546	9/7/2004	8.95	0.2	0.25	31.8	0.5	2	0.5	0.02	0.1	6.45	2.85		5	1	100	208	2.5	
DUPL - 5556	9/13/2004	4.8	0.2	0.25	41.6	0.479	2	0.443	0.02	0.1	9.11	4.08		5	1	100	231	2.5	
DUPL - 5566	9/20/2004	8.11	0.2	0.25	43.3	0.5	2	0.477	0.02	0.1	8.17	9.2		5	1.02	100	227	2.5	
DUPL - 5576	9/27/2004	4.05	0.2	0.25	36.9	0.5	2	0.35	0.02	0.1	8.42	0.503		5	1	100	169	2.5	
DUPL - 5586	10/4/2004	6.52	0.2	0.25	46	0.5	2	0.358	0.02	0.1	8.9	0.5		5	0.683	100	251	2.5	
DUPL - 5596	10/11/2004	8.41	0.2	0.25	33.5	0.5	2	0.436	0.02	0.1	6.83	0.655		5	1.24	100	232	2.5	
DUPL - 5606	10/20/2004	5.34	0.2	0.25	42	0.943	2	0.5	0.02	0.1	8.05	0.5		5	0.948	100	238	2.5	
DUPL - 5615	10/26/2004	4.31	0.2	0.25	38.3	0.5	2	0.5	0.02	0.1	7.87	3.85		5	1.04	100	199	2.5	
DUPL - 5626	11/1/2004	3.87	0.2	0.25	37.5	0.341	2	0.329	0.02	0.106	8.93	0.472		5	1.06	96.1	153	2.88	
DUPL - 5636	11/10/2004	5.15	0.2	0.25	46.6	0.5	2	0.5	0.02	0.1	10.2	6.74		5	1.34	100	219	2.5	
DUPL - 5646	11/15/2004	4	0.2	0.162	36.9	0.5	2	0.5	0.02	0.1	8.88	0.522		5	0.906	100	184	2.5	
DUPL - 5656	11/23/2004	1.5	0.2	0.25	44.9	0.5	2	0.5	0.02	0.1	11.9	0.5		5	1	100	250	2.5	
DUPL - 5666	12/7/2004	8.67	0.2	0.25	31.8	0.5	2	0.5	0.02	0.1	6.72	1.16		5	0.877	100	225	2.5	
DUPL - 5676	12/20/2004	3.69	0.2	0.25	49.7	1.76	2	0.5	0.02	0.1	11.5	0.404		5	1.6	100	202	2.5	
DUPL - 5685	1/4/2005	5.94	0.2	0.25	52.1	0.5	2	0.5	0.02	0.1	10.3	0.5		5	1	100	250	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
DUPLICATES												
DUPL - 5381	5/3/2004	0.5	2450	0.0688	0.5	0.5	22.2	10	2.5	2.09	1.58	14%
DUPL - 5389	5/11/2004	0.5	1650	0.0869	0.5	0.5	23.5	10	2.79	2.34	1.52	21%
DUPL - 5397	5/17/2004	0.5	1230	0.03	0.5	0.5	10.4	10	1.59	1.04	0.69	21%
DUPL - 5406	5/24/2004	0.5	1130	0.0371	0.5	0.5	10.9	10	2.5	1.22	0.97	11%
DUPL - 5419	6/1/2004	0.642	1530	0.0666	0.5	0.5	23.7	10	2.5	2.35	1.64	18%
DUPL - 5423	6/7/2004	0.5	1590	0.081	0.5	0.5	29.5	10	2.5	2.44	1.95	11%
DUPL - 5437	6/14/2004	0.5	1700	0.0993	0.5	0.5	20	10	2.5	3.05	2.47	10%
DUPL - 5446	6/21/2004	0.5	1440	0.0957	0.5	0.5	32	10	2.5	3.22	2.27	17%
DUPL - 5455	6/30/2004	0.5	2030	0.125	0.5	0.5	53.8	10	2.5	4.01	2.82	17%
DUPL - 5466	7/6/2004	0.5	1790	0.132	0.5	0.482	71.8	10	2.5	4.73	3.47	15%
DUPL - 5476	7/13/2004	0.5	2120	0.134	0.5	0.5	60.7	10	2.5	4.00	3.05	13%
DUPL - 5486	7/19/2004	0.5	2030	0.111	0.5	0.5	24.7	10	2.5	3.42	2.62	13%
DUPL - 5496	7/26/2004	0.5	1800	0.134	0.5	0.5	31.4	10	2.5	3.03	2.22	15%
DUPL - 5506	8/2/2004	0.5	2000	0.137	0.5	0.5	44.2	10	2.5	3.04	2.24	15%
DUPL - 5516	8/9/2004	0.5	1870	0.138	0.5	0.5	44.8	10	2.5	4.79	3.55	15%
DUPL - 5516	8/16/2004	0.5	1600	0.0881	0.5	0.5	29.6	10	2.5	2.68	2.06	13%
DUPL - 5526	8/23/2004	0.5	1830	0.121	0.5	0.5	20.5	10	2.5	3.52	2.76	12%
DUPL - 5536	8/30/2004	0.5	1970	0.0978	0.5	0.5	30.2	10	1.9	3.20	2.24	18%
DUPL - 5546	9/7/2004	0.5	1880	0.128	0.5	0.5	29.5	10	2.5	3.09	2.21	17%
DUPL - 5556	9/13/2004	0.5	1990	0.124	0.5	0.5	59.4	10	2.5	4.41	2.92	20%
DUPL - 5566	9/20/2004	0.5	1850	0.134	0.5	0.5	53.5	10	2.5	3.74	2.92	12%
DUPL - 5576	9/27/2004	0.5	1840	0.106	0.5	0.5	22.9	10	2.5	3.44	2.62	13%
DUPL - 5586	10/4/2004	0.5	2150	0.126	0.5	0.5	47.9	10	2.5	3.99	3.13	12%
DUPL - 5596	10/11/2004	0.5	1760	0.133	0.5	0.5	17.9	10	2.5	3.06	2.32	14%
DUPL - 5606	10/20/2004	0.5	1900	0.113	0.5	0.5	35.7	10	2.5	3.44	2.85	9%
DUPL - 5615	10/26/2004	0.5	1760	0.11	0.5	0.5	37.2	10	2.5	3.50	2.64	14%
DUPL - 5626	11/1/2004	0.5	1850	0.107	0.5	0.5	36.4	10	2.5	2.82	2.69	2%
DUPL - 5636	11/10/2004	0.5	1930	0.136	0.5	0.5	62.6	10	2.5	4.29	3.26	14%
DUPL - 5646	11/15/2004	0.5	1790	0.107	0.5	0.5	52.5	10	2.5	3.63	2.66	16%
DUPL - 5656	11/23/2004	0.5	1740	0.114	0.5	0.5	56.1	10	2.5	4.86	3.31	19%
DUPL - 5666	12/7/2004	0.5	2160	0.125	0.5	0.5	9.8	10	2.5	3.39	2.24	20%
DUPL - 5676	12/20/2004	0.5	1900	0.145	0.5	0.5	2.5	10	2.5	4.76	3.52	15%
DUPL - 5685	1/4/2005	0.5	2230	0.14	0.5	0.5	55.9	10	2.5	4.39	3.55	10%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
DUPL - 5693	2/22/2005	#N/A						142	0.5	120	28.8	2.68	0.05		0.05	0.05
DUPL - 5703	3/16/2005	#N/A						180	0.5	146	37.2	2.43	0.05		0.05	0.05
DUPL - 5710	4/5/2005	#N/A						120	0.5	91	22.2	4.03	0.05		0.05	0.05
DUPL - 5720	5/16/2005	#N/A				7.90	180	73.8	0.25	74	12.4	2.57	0.05		0.05	0.05
DUPL - 5731	6/6/2005	#N/A				8.10	185	119	2.5	87	13.8	2.16	0.05		0.05	0.05
DUPL - 5751	8/1/2005	#N/A						194	0.5	132	31.5	2.35	0.05		0.05	0.05
DUPL 5764	9/26/2005	#N/A						98.8	8.8	71	12.8	3.51	0.05		0.0384	0.05
DUPL 5777	10/31/2005	#N/A						140	0.4	106	22.9	2.77	0.048		0.05	0.045
DUPL 5792	11/17/2005	#N/A						181	2.2	135	28	2.38	0.035		0.05	0.044
DUPL 5806	12/7/2005	#N/A						175	0.4	130	41.9	2.74	0.038		0.055	0.039
DUPL 5820	1/5/2006	#N/A						118	0.25	85	20.4	5.45	0.05		0.069	0.05
DUPL 5834	5/2/2006	#N/A						403	6	272	85.4	3.4	0.05		0.0503	0.101
DUPL 5862	10/19/2006	#N/A						124	0.5	104	21.9	2.88	0.046		0.0476	0.053
DUPL 5871	10/30/2006	#N/A						122	0.3	102	1.62	0.231	0.05		0.0753	0.05
DUPL 5890	11/6/2006	#N/A						115	5	120	19.6	2.43	0.05		0.0442	0.0445
DUPL 5898	11/13/2006	#N/A						128	1.1	110	32.3	2.7	0.05		0.05	0.054
DUPL 5906	11/20/2006	#N/A						141	0.25	106	23.4	2.73	0.05		0.0384	0.05
DUPL 5914	11/28/2006	#N/A						165	0.8	128	23.8	2.3	0.05		0.0447	0.0585
DUPL 5922	12/4/2006	#N/A						165	0.7	132	23.3	2.31	0.05		0.05	0.0535
DUPL 5930	12/11/2006	#N/A						159	0.25	108	23.2	2.77	0.05		0.05	0.05
DUPL 1931	12/14/2006	#N/A						186	0.5	162	26.7	3.66	0.05		0.05	0.0675
DUPL 5938	12/18/2006	#N/A						150	0.25	110	24.7	2.87	0.05		0.05	0.05
DUPL 5946	12/26/2006	#N/A						134	0.25	110	23.9	2.8	0.05		0.05	0.0565
DUPL 5954	1/16/2007	1070250	Rejected					146	0.25	116	26.7	2.86	0.05		0.05	0.0775
DUPL 5962	3/5/2007	1070892	Accepted					118	0.253	94	20.6	4.16	0.05		0.05	0.06
DUPL 1939	3/6/2007	1070914	Accepted					210	0.4	164	26.7	3.11	0.05		0.0415	0.0865
DUPL 5970	6/4/2007	1072562	Accepted					119	1	82	13.3	2.21	0.063		0.05	0.04
DUPL 5978	11/8/2007	1076030	Accepted			8.13	310	185	1	134	31.4	2.37	0.032		0.05	0.051
DUPL 1947	11/9/2007	1076057	Accepted			7.80	370	176	0.25	136	60.4	3.22	0.047		0.05	0.05

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
DUPL - 5693	2/22/2005	0.0025	0.0025	149.26	10	0.5	6.73	4.34	0.2	0.25	43.1	0.5	2	0.5	0.02	0.1	10.1	0.5
DUPL - 5703	3/16/2005	0.0025	0.0025	183.46	10	0.5	39.2	7.56	0.2	0.25	53	1.24	2	0.5	0.02	0.1	12.4	4.27
DUPL - 5710	4/5/2005	0.0025	0.0025	112.44	10	0.5	2.5	9.47	0.2	0.25	33.5	0.5	2	0.5	0.02	0.1	6.98	0.5
DUPL - 5720	5/16/2005	0.0025	0.0025	90.58	10	0.5	5.28	1.5	0.2	0.25	26.5	0.5	2	0.5	0.02	0.1	5.92	1.51
DUPL - 5731	6/6/2005	0.0025	0.0025	96.91	20	0.352	17.9	4.56	0.2	0.221	30.2	0.5	2	0.5	0.0404	0.1	5.21	10.4
DUPL - 5751	8/1/2005	0.0025	0.0025	171.48	7.51	0.876	85.9	4.53	0.2	0.25	51	0.5	2	0.5	0.02	0.1	10.7	1.93
DUPL 5764	9/26/2005	0.0025	0.0025	84.5599	189	0.5	14	5.42	0.2	0.25	27.1	0.5	2	0.535	0.38	0.21	4.09	12.9
DUPL 5777	10/31/2005	0.0025	0.0025	133.54	10	0.5	3.37	3.36	0.2	0.25	38.9	0.5	2	0.5	0.02	0.1	8.83	1.05
DUPL 5792	11/17/2005	0.0025	0.0025	169.41	11.9	0.429	37	5.87	0.2	0.25	50.5	0.5	2	0.334	0.0434	0.1	10.5	6.87
DUPL 5806	12/7/2005	0.0025	0.0025	179.71	10	0.737	59.2	4.68	0.2	0.25	51.5	0.5	2	0.32	0.02	0.1	12.4	1.73
DUPL 5820	1/5/2006	0.0025	0.0025	110.03	10	0.351	2.5	14.2	0.2	0.25	32.8	0.5	2	0.5	0.0126	0.1	6.82	2.75
DUPL 5834	5/2/2006	0.0025	0.0025	351.619	10	0.5	126	21.3	0.2	0.25	103	0.5	2	0.32	2.06	0.1	22.9	205
DUPL 5862	10/19/2006	0.0025	0.0025	121.13	10	0.689	6.89	3.82	0.2	0.25	35.3	0.5	2	0.405	0.0083	0.1	8	0.563
DUPL 5871	10/30/2006	0.0025	0.0025	113.04	8.94	0.492	5.19	3.33	0.2	0.25	33	0.5	2	0.5	0.0084	0.1	7.43	0.624
DUPL 5890	11/6/2006	0.0025	0.0025	135.38	42.6	0.5	29.1	3.72	0.2	0.25	42.1	0.5	2	0.5	0.0936	0.1	7.33	9.19
DUPL 5898	11/13/2006	0.0025	0.0025	142.85	25.5	0.987	70.5	4.19	0.2	0.25	41.9	0.5	2	0.412	0.0394	0.083	9.27	2.62
DUPL 5906	11/20/2006	0.0025	0.0025	124.91	10	0.5	3.99	4.02	0.2	0.25	36.5	0.5	2	0.5	0.0073	0.1	8.19	1.05
DUPL 5914	11/28/2006	0.0025	0.0025	141.34	15.7	0.954	20	6.06	0.2	0.25	43.4	0.5	2	0.5	0.0325	0.1	7.99	6.09
DUPL 5922	12/4/2006	0.0025	0.0025	146.77	27.3	1.27	24.8	6.84	0.2	0.25	44.9	0.5	2	0.334	0.0366	0.1	8.4	4.96
DUPL 5930	12/11/2006	0.0025	0.002	127.05	10	0.5	4.24	4.35	0.2	0.25	36.7	1.59	2	0.5	0.01	0.1	8.59	0.918
DUPL 1931	12/14/2006	0.0025	0.003	189.67	10	2.14	11.7	4.67	0.2	0.25	61.5	0.5	2	0.5	0.01	0.1	8.74	0.5
DUPL 5938	12/18/2006	0.0025	0.0025	130.26	10	0.431	5.17	4.34	0.2	0.25	37.9	0.5	2	0.5	0.0065	0.1	8.64	1.02
DUPL 5946	12/26/2006	0.0025	0.0025	122.40	10	0.5	2.77	3.92	0.2	0.25	35.2	0.5	2	0.5	0.01	0.1	8.37	0.985
DUPL 5954	1/16/2007	0.0025	0.0025	133.25	10	0.414	5.03	3.75	0.2	0.25	38.8	0.5	2	0.332	0.01	0.1	8.82	0.834
DUPL 5962	3/5/2007	0.0025	0.0025	111.28	10	0.5	2.5	12.8	0.2	0.407	33.3	0.5	2	0.5	0.0066	0.1	6.82	0.594
DUPL 1939	3/6/2007	0.0025	0.0025	194.10	7.33	2.1	23.4	4.82	0.2	0.25	62.4	0.5	2	0.416	1.11	0.1	9.27	3.48
DUPL 5970	6/4/2007	0.0025	0.0025	93.08	53	0.5	16	4.77	0.2	0.25	28.7	0.5	2	0.357	0.0788	0.1	5.19	4.52
DUPL 5978	11/8/2007	0.0025	0.0025	166.19	24.6	1.39	55.8	6.79	0.2	0.25	47.9	1	2	0.352	0.0597	0.1	11.3	9.93
DUPL 1947	11/9/2007	0.0025	0.0025	201.20	10	3.97	5.55	11.9	0.2	0.25	57.3	1	2	0.5	0.0106	0.1	14.1	5.12

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
DUPL - 5693	2/22/2005	0.5	5	1	100	250	2.5		0.5	1930	0.126	0.5	0.5	43	10	6.29	10	0.5	7.09
DUPL - 5703	3/16/2005	1.4	5	1	100	250	2.5		0.5	2030	0.187	0.5	0.5	48.2	10	2.5	10	0.5	36.1
DUPL - 5710	4/5/2005	0.5	5	1	100	250	2.5		0.5	2340	0.148	0.5	0.5	14.2	10	2.5	10	0.5	2.5
DUPL - 5720	5/16/2005	1.3	5	1	100	250	2.5		0.5	1720	0.074	0.5	0.5	24	10	2.5	10	0.5	2.5
DUPL - 5731	6/6/2005	0.8	5	1.33	100	241	2.5		0.5	1500	0.0841	0.5	0.5	34.6	10	2.5	10	0.5	15.8
DUPL - 5751	8/1/2005	0.5	5	1.62	100	237	2.5		0.5	1950	0.149	0.5	0.5	36.5	10	2.5	10	1.1	91.3
DUPL 5764	9/26/2005	1.5	5	1.32	100	224	2.5		0.5	1750	0.0642	0.5	0.5	26.7	10	1.58	9.57	0.5	9.53
DUPL 5777	10/31/2005	0.5	5	1.05	100	250	2.5		0.5	1810	0.108	0.5	0.5	21.2	10	2.5	10	0.5	5.34
DUPL 5792	11/17/2005	0.6	5	1.52	100	165	2.5		0.5	1820	0.151	0.5	0.5	39	10	2.5	10	0.533	36
DUPL 5806	12/7/2005	0.9	5	1.63	100	216	2.5		0.5	1890	0.149	0.5	0.5	43.7	10	2.5	10	0.74	55.9
DUPL 5820	1/5/2006	0.3	5	0.677	100	330	2.5		0.5	3170	0.172	0.5	0.5	23.3	10	1.82	6.55	0.408	2.5
DUPL 5834	5/2/2006	0.5	5	2.42	100	447	2.5		0.5	2770	0.338	0.5	0.5	99.8	10	2.5	10	0.5	93.3
DUPL 5862	10/19/2006		5	0.968	100	223	2.5		0.5	1830	0.104	0.5	0.5	40.6	10	5.06	10	0.612	6.28
DUPL 5871	10/30/2006		5	1.12	100	250	2.5		0.5	1940	0.0911	0.5	0.5	43.5	10	2.5	10	0.479	4.73
DUPL 5890	11/6/2006		5	1.55	100	183	2.5		0.5	1810	0.1	0.5	0.5	54.3	10	2.5	10	0.5	27
DUPL 5898	11/13/2006		5	1.62	100	261	2.5		0.5	2360	0.118	0.5	0.5	42.4	10	3.25	10	1.09	64.4
DUPL 5906	11/20/2006		5	1.13	100	212	2.5		0.5	2190	0.105	0.5	0.5	52.7	10	2.5	10	0.5	4.01
DUPL 5914	11/28/2006		5	2	100	214	2.5		0.5	1950	0.131	0.5	0.5	43.7	6.8	3.29	10	0.93	19.6
DUPL 5922	12/4/2006		5	1.18	100	267	2.5		0.5	2060	0.135	0.5	0.5	50.1	10	2.5	10	1.47	23.1
DUPL 5930	12/11/2006		5	1.23	100	200	2.5		0.5	2010	0.107	0.5	0.5	45.1	10	2.5	10	0.5	4.2
DUPL 1931	12/14/2006		5	1.94	100	181	2.5	2610	0.5	2160	0.179	0.5	0.5	74.1	10	2.5	10	2.22	9.33
DUPL 5938	12/18/2006		5	1.12	100	182	2.5		0.5	2160	0.112	0.408	2.53	51.4	10	2.5	10	0.459	4.73
DUPL 5946	12/26/2006		5	1.12	100	211	2.5		0.5	2040	0.106	0.5	0.5	52.3	10	2.5	10	0.5	4.75
DUPL 5954	1/16/2007		5	1.2	100	156	2.5	2130	0.5	1980	0.113	0.5	0.5	47.8	10	2.5	10	0.394	6.44
DUPL 5962	3/5/2007	0.5	5	0.778	100	329	2.5		0.5	2420	0.156	0.5	0.5	30.7	10	4.28	10	0.5	2.5
DUPL 1939	3/6/2007	0	5	1.6	100	231	2.5	2650	0.5	2080	0.176	0.5	0.5	81.1	10	5.18	10	2	23
DUPL 5970	6/4/2007	0	5	1.28	100	298	2.5		0.5	1790	0.0831	0.5	0.5	29.2	10	2.5	8.72	0.333	15
DUPL 5978	11/8/2007	0	5	1.82	100	247	2.5		0.5	2120	0.138	0.5	0.5	50.6	10	2.5	10	1.25	51.6
DUPL 1947	11/9/2007	0	5	1.91	100	316	2.5		0.5	2470	0.162	0.5	0.5	57.9	10	2.5	10	4.06	5.78

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
DUPL - 5693	2/22/2005	4.32	0.2	0.25	41.4	0.5	2	0.5	0.02	0.1	9.84	0.5		5	1	100	250	2.5	
DUPL - 5703	3/16/2005	6.97	0.2	0.25	51.1	2.15	2	0.5	0.02	0.1	12.1	3.56		5	1	100	250	2.5	
DUPL - 5710	4/5/2005	9.87	0.2	0.25	31.6	0.5	2	0.5	0.02	0.1	6.84	0.5		5	1	100	250	2.5	
DUPL - 5720	5/16/2005	1.5	0.2	0.25	25.7	0.5	2	0.5	0.02	0.1	5.77	1.1		5	1	100	250	2.5	
DUPL - 5731	6/6/2005	3.63	0.2	0.25	28.2	0.5	2	0.5	0.02	0.1	4.87	8.05		5	1.23	100	231	2.5	
DUPL - 5751	8/1/2005	4.56	0.2	0.25	50.6	0.5	2	0.5	0.02	0.1	10.5	1.38		5	1.35	100	238	2.5	
DUPL 5764	9/26/2005	4.01	0.2	0.25	27.4	0.5	2	0.437	0.0125	0.1	4.21	7.23		5	0.902	100	260	2.5	
DUPL 5777	10/31/2005	3.13	0.2	0.216	36.9	0.5	2	0.5	0.02	0.1	8.62	0.751		5	0.987	100	165	2.5	
DUPL 5792	11/17/2005	5.47	0.2	0.179	48.1	0.5	2	0.5	0.02	0.1	10.1	5.03		5	1.35	100	175	2.5	
DUPL 5806	12/7/2005	4.2	0.2	0.117	51.3	0.5	2	0.5	0.02	0.1	12.4	1.32		5	1.41	100	217	2.5	
DUPL 5820	1/5/2006	14.4	0.2	0.076	31.6	0.5	2	0.5	0.02	0.076	6.64	2.74		5	1	100	248	2.5	
DUPL 5834	5/2/2006	21	0.2	0.071	103	0.838	2	0.408	0.763	0.1	22.3	216		5	3.16	100	486	2.5	
DUPL 5862	10/19/2006	3.4	0.2	0.25	35.8	0.5	2	0.403	0.01	0.1	8.2	0.352		5	0.988	100	245	2.5	
DUPL 5871	10/30/2006	3.36	0.2	0.25	34.7	0.5	2	0.5	0.01	0.1	7.71	0.5		5	1.13	100	250	2.5	
DUPL 5890	11/6/2006	3.4	0.2	0.25	42.7	0.5	2	0.5	0.01	0.1	7.47	6.4		5	1.44	100	188	2.5	
DUPL 5898	11/13/2006	3.86	0.2	0.25	41.2	0.5	2	0.333	0.01	0.1	9.07	0.994		5	1.5	100	246	2.5	
DUPL 5906	11/20/2006	3.88	0.2	0.25	36.4	0.5	2	0.5	0.01	0.1	8.19	0.735		5	0.962	100	202	2.5	
DUPL 5914	11/28/2006	6.45	0.2	0.25	45	0.5	2	0.5	0.01	0.1	8.21	5.09		5	1.83	100	193	2.5	
DUPL 5922	12/4/2006	6.85	0.2	0.25	45.5	0.5	2	0.5	0.01	0.1	8.38	3.97		5	1.1	100	266	2.5	
DUPL 5930	12/11/2006	3.91	0.2	0.25	35.6	0.5	2	0.5	0.01	0.1	8.31	0.641		5	1.13	100	170	2.5	
DUPL 1931	12/14/2006	4.58	0.2	0.25	60.8	0.5	2	0.5	0.01	0.1	8.61	0.5		5	1.74	100	190	2.5	2720
DUPL 5938	12/18/2006	3.97	0.2	0.25	37.8	0.5	2	0.5	0.01	0.1	8.59	0.878		5	1.09	100	206	2.5	
DUPL 5946	12/26/2006	3.93	0.2	0.25	34.9	0.5	2	0.5	0.01	0.1	8.33	0.928		5	1.16	100	200	2.5	
DUPL 5954	1/16/2007	3.99	0.2	0.25	39.9	0.5	2	0.5	0.01	0.1	9.06	0.792		5	1.31	100	166	2.5	2070
DUPL 5962	3/5/2007	11.3	0.2	0.25	32.8	0.5	2	0.5	0.01	0.1	6.74	0.472		5	0.774	100	242	2.5	
DUPL 1939	3/6/2007	4.5	0.2	0.25	61.7	0.5	2	0.5	0.01	0.1	9.18	0.5		5	1.53	100	246	4.36	2700
DUPL 5970	6/4/2007	4.65	0.2	0.25	31.1	0.5	2	0.5	0.0095	0.1	5.6	1.8		5	1.17	100	290	2.5	
DUPL 5978	11/8/2007	6.34	0.2	0.25	46.9	1	2	0.392	0.0064	0.1	11.5	8.48		5	1.84	100	262	2.5	
DUPL 1947	11/9/2007	12.1	0.2	0.25	55.8	1	2	0.32	0.01	0.1	14	4.58		5	2.23	100	309	2.5	

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
DUPL - 5693	2/22/2005	0.5	2020	0.119	0.5	0.5	33.8	10	2.5	3.98	2.97	14%
DUPL - 5703	3/16/2005	0.5	1700	0.182	0.5	0.5	36.5	10	2.5	4.93	3.63	15%
DUPL - 5710	4/5/2005	0.5	2150	0.146	0.5	0.5	15.5	10	2.5	3.08	2.24	16%
DUPL - 5720	5/16/2005	0.5	1670	0.0739	0.5	0.5	24.2	10	2.5	2.41	1.84	14%
DUPL - 5731	6/6/2005	0.5	1450	0.078	0.5	0.5	31.8	10	2.5	2.74	1.88	19%
DUPL - 5751	8/1/2005	0.5	2060	0.15	0.5	0.5	39.8	10	2.5	4.35	3.49	11%
DUPL 5764	9/26/2005	0.5	1980	0.0683	0.5	0.5	32.1	10	2.5	2.17	1.81	9%
DUPL 5777	10/31/2005	0.5	1740	0.1	0.5	0.5	39.6	10	2.5	3.39	2.63	13%
DUPL 5792	11/17/2005	0.5	1850	0.144	0.5	0.5	36.4	10	2.5	4.23	3.32	12%
DUPL 5806	12/7/2005	0.5	1880	0.149	0.5	0.5	42.6	10	2.5	4.87	3.67	14%
DUPL 5820	1/5/2006	0.5	3110	0.165	0.5	0.5	27.5	10	2.5	2.89	2.27	12%
DUPL 5834	5/2/2006	0.5	2820	0.336	0.5	0.5	105	10	2.85	10.01	7.14	17%
DUPL 5862	10/19/2006	0.5	1990	0.108	0.5	0.5	39.4	10	4.79	3.30	2.56	13%
DUPL 5871	10/30/2006	0.5	1960	0.0945	0.5	0.5	42.2	10	2.5	2.13	2.46	-7%
DUPL 5890	11/6/2006	0.5	1800	0.103	0.5	0.5	50	10	2.5	3.49	2.83	10%
DUPL 5898	11/13/2006	0.5	2300	0.114	0.5	0.5	43.9	10	3.21	3.96	2.91	15%
DUPL 5906	11/20/2006	0.5	2150	0.105	0.5	0.5	56.4	10	2.5	3.41	2.59	14%
DUPL 5914	11/28/2006	0.5	2310	0.134	0.5	0.5	47.8	10	5.05	3.86	3.03	12%
DUPL 5922	12/4/2006	0.5	2090	0.136	0.5	0.5	49.6	10	2.5	3.92	3.06	12%
DUPL 5930	12/11/2006	0.5	1960	0.103	0.5	0.5	49.1	10	2.5	3.44	2.55	15%
DUPL 1931	12/14/2006	0.5	2100	0.175	0.5	0.5	77.4	10	4.48	4.73	3.84	10%
DUPL 5938	12/18/2006	0.5	2150	0.11	0.5	0.5	53.5	10	2.79	3.56	2.69	14%
DUPL 5946	12/26/2006	0.5	2010	0.104	0.5	0.5	52.7	10	2.5	3.52	2.52	17%
DUPL 5954	1/16/2007	0.5	2200	0.116	0.5	0.5	51.4	10	2.5	3.79	2.84	14%
DUPL 5962	3/5/2007	0.5	2700	0.155	0.5	0.5	37.1	10	2.87	3.06	2.32	14%
DUPL 1939	3/6/2007	0.5	2100	0.174	0.5	0.5	82.9	10	2.5	4.76	3.93	9%
DUPL 5970	6/4/2007	0.5	1810	0.0905	0.5	0.5	27.5	10	2.5	2.39	2.10	6%
DUPL 5978	11/8/2007	0.5	2190	0.14	0.5	0.5	55.6	10	2.5	4.61	3.39	15%
DUPL 1947	11/9/2007	0.5	2480	0.16	0.5	0.5	58.4	10	2.5	6.19	4.05	21%

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.

Surface Water Monitoring
at Rock Creek

Rock Creek Lab Reports



**SGS Environmental Services
Alaska Division
Level II Laboratory Data Report**

Project: Nova Gold Resources, Inc.
Client: AK Gold Company
SGS Work Order: 1070250

Released by:

Contents:

Cover Page
Case Narrative
Final Report Pages
Quality Control Summary Forms
Chain of Custody/Sample Receipt Forms

Note:
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.



CASE NARRATIVE

Print Date: 2/2/2007

Client Name: AK Gold Company
Project Name: Nova Gold Resources, Inc.
Workorder No.: 1070250

Sample Comments

Refer to the sample receipt form for information on sample condition.

<u>Lab Sample ID</u>	<u>Sample Type</u>	<u>Client Sample ID</u>
1070250003	PS	LIND 5950
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits. EPA 160.2 - The duplicate RPD for TSS failed to meet QC criteria. The sample result is <PQL and the duplicate is >PQL. The sample was re run out of hold time and confirmed the sample result of <PQL.	
1070250007	PS	DUPL 5954
	4500NH3 - The duplicate RPD fails to meet QC criteria. Both the sample and the duplicate are below the MDL. The LCS/LCSD are within QC limits.	
1070250008	PS	BLNK 5955
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits. 4500NH3 - The duplicate RPD fails to meet QC criteria. The LCS/LCSD RPD is within QC limits. 4500NH3 - The MS recovered low for ammonia. The batch LCS is within QC limits.	
749354	DUP	0107UT100EWS201(1070215027D
	EPA 160.2 - The TSS duplicate RPD failed to meet QC criteria. The sample result is <PQL and the duplicate result is >PQL. The difference between the two is <PQL.	
749523	DUP	LIND 5950(1070250003DUP)
	EPA 160.2 - The duplicate RPD for TSS failed to meet QC criteria. The sample result is <PQL and the duplicate is >PQL. The sample was re run out of hold time and confirmed the sample result of <PQL.	
749626	MS	0107UT100EWS201(1070215027M
	4500 CN- - The matrix spike for cyanide failed to meet QC criteria. The batch LCS is within QC limits.	
749628	MS	T-05(1070271001MS)
	4500 CN- - The matrix spike for cyanide failed to meet QC criteria. The batch LCS is within QC limits.	
749998	MS	LIND 5950(1070250003MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
749999	MS	BLNK 5955(1070250008MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
750198	MS	0107UT100EWS201(1070215027M
	4500 CN WAD - The matrix spike for WAD cyanide failed to meet QC criteria. The batch LCS is within QC limits.	
750200	MS	T-05(1070271001MS)
	4500 CN WAD - The matrix spike for WAD cyanide failed to meet QC criteria. The batch LCS is within QC limits.	
750205	MB	MB for HBN 182293 [WXX/5713]
	4500NH3 - The MB for ammonia is greater than one half the PQL, but less than the PQL.	
750213	DUP	DUPL 5954(1070250007DUP)
	4500NH3 - The duplicate RPD fails to meet QC criteria. Both the sample and the duplicate are below the MDL. The LCS/LCSD are within QC limits.	
750215	DUP	BLNK 5955(1070250008DUP)
	4500NH3 - The duplicate RPD fails to meet QC criteria. The LCS/LCSD RPD is within QC limits.	

4500NH3 - The MS recovered low for ammonia. The batch LCS is within QC limits.



Laboratory Analytical Report

Client: **AK Gold Company**
111 W 16th Ave Suite 301
Anchorage, AK 99501

Attn: **Charlotte MacCay**
T: (907)563-0013 F:(907)563-6713

Project: **Nova Gold Resources, Inc.**
Workorder No.: **1070250**

Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Stephen Ede
Stephen.Ede@sgs.com
Technical Director



Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



SAMPLE SUMMARY

Print Date: 2/2/2007

Client Name: AK Gold Company
Project Name: Nova Gold Resources, Inc.
Workorder No.: 1070250

Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO3 QC	SM20 2320B
Ammonia-N (W) SM4500-F	SM20 4500-NH3 F
Ion Chromatographic Analysis (W)	EPA 300.0
Metals in Drinking Water by ICP DISSOLVE	EP200.7
Metals in Drinking Water by ICP-MS DISSO	EP200.8
Metals in Water by 200.7 ICP	EP200.7
Metals in Water by 200.8 ICP-MS	EP200.8
Nitrate/Nitrite Flow injection Pres.	EPA 353.2
Total Cyanide SM4500CN	SM20 4500-CN C,E
Total Dissolved Solids SM18 2540C	SM20 2540C
Total Suspended Solids EPA 160.2	EPA 160.2
Weak Acid Disassociable Cyanide	SM20 4500-CN I

Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1070250001	GLAC 5948
1070250002	ROCK 5949
1070250003	LIND 5950
1070250004	SABC 5951
1070250005	ROCK1A 5952
1070250006	ROCK1B 5953
1070250007	DUPL 5954
1070250008	BLNK 5955
1070250009	GLAC 5948
1070250010	ROCK2 5949
1070250011	LIND 5950
1070250012	SABC 5951
1070250013	ROCK1A 5952
1070250014	ROCK1B 5953
1070250015	DUPL 5954
1070250016	BLNK 5955



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **GLAC 5948**
SGS Ref. #: 1070250001
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 12:30
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	40.0	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	9.08	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	0.115	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 12:26
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250001-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **GLAC 5948**
SGS Ref. #: 1070250001
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 12:30
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	0.771 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	7.40	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	3.99	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	0.312 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	0.906 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.03 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	174 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	1950	500	150	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	2080	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	2.67	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	50.0	5.00	1.50	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 14:41
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250001-E
Analyst: TK



Client Sample ID: **GLAC 5948**
 SGS Ref. #: 1070250001
 Project ID: Nova Gold Resources, Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 01/15/07 12:30
 Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	26.7	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Nitrate/Nitrite-N	0.0440 J	0.100	0.0310	mg/L	5	WFI1380		
Chloride	2.85	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	0.200 J	0.500	0.150	mg/L		STS2953		
Alkalinity	112	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1024	WXX5713	
Total Dissolved Solids	166	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2953 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 01/18/07 15:40 Container ID:1070250001-G
 Analyst: ACF

Analytical Batch: WAT6209 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 01/22/07 09:30 Container ID:1070250001-F
 Dilution Factor: 1 Analyst: KP

Analytical Batch: WDA1024 Prep Batch: WXX5713 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 01/30/07 17:55 Prep Date/Time: 01/30/07 12:00 Container ID:1070250001-D
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1380 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 01/26/07 11:53 Container ID:1070250001-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4010 Prep Batch: WXX5700 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 01/19/07 16:20 Prep Date/Time: 01/19/07 10:33 Container ID:1070250001-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2741 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 01/18/07 15:30 Container ID:1070250001-F
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **GLAC 5948**
SGS Ref. #: 1070250001
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 12:30
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250001-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250001-C
Analyst: ACF



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK 5949**
SGS Ref. #: 1070250002
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 13:25
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	51.5	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	0.0102 J	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	12.4	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	0.155	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 12:31
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250002-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK 5949**
SGS Ref. #: 1070250002
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 13:25
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	7.32 J	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	1.28	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	68.1	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	4.25	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	0.334 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	0.610 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.52 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	235 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	2020	500	150	ug/L	5	MMS4658	MXX18612	
Zinc	10.7	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	2640	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	63.0	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 15:15
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250002-E
Analyst: TK



Client Sample ID: **ROCK 5949**
SGS Ref. #: 1070250002
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 13:25
Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	42.0	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Nitrate/Nitrite-N	0.113	0.100	0.0310	mg/L	5	WFI1380		
Chloride	2.74	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS2953		
Alkalinity	140	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	0.0476 J	0.100	0.0310	mg/L	1	WDA1024	WXX5713	
Total Dissolved Solids	209	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2953
Analytical Method: EPA 160.2
Analysis Date/Time: 01/18/07 15:40
Initial Prep Wt./Vol.: 1000 mL
Container ID:1070250002-G
Analyst: ACF

Analytical Batch: WAT6209
Analytical Method: SM20 2540C
Analysis Date/Time: 01/22/07 09:30
Dilution Factor: 1
Initial Prep Wt./Vol.: 80 mL
Container ID:1070250002-F
Analyst: KP

Analytical Batch: WDA1024
Analytical Method: SM20 4500-NH3 F
Analysis Date/Time: 01/31/07 13:01
Dilution Factor: 1
Prep Batch: WXX5713
Prep Method: EXT/4500F1
Prep Date/Time: 01/30/07 12:00
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1070250002-D
Analyst: AZS

Analytical Batch: WFI1380
Analytical Method: EPA 353.2
Analysis Date/Time: 01/26/07 11:54
Dilution Factor: 5
Initial Prep Wt./Vol.: 5 mL
Container ID:1070250002-A
Analyst: JDS

Analytical Batch: WIC4010
Analytical Method: EPA 300.0
Analysis Date/Time: 01/19/07 16:39
Dilution Factor: 1
Prep Batch: WXX5700
Prep Method: H2O/EP300
Prep Date/Time: 01/19/07 10:33
Initial Prep Wt./Vol.: 10 mL
Prep Extract Vol.: 10 mL
Container ID:1070250002-B
Analyst: JDS

Analytical Batch: WTI2741
Analytical Method: SM20 2320B
Analysis Date/Time: 01/18/07 15:30
Dilution Factor: 1
Initial Prep Wt./Vol.: 100 mL
Container ID:1070250002-F
Analyst: PLW



Client Sample ID: **ROCK 5949**
SGS Ref. #: 1070250002
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 13:25
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250002-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250002-C
Analyst: ACF



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **LIND 5950**
SGS Ref. #: 1070250003
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 14:30
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	48.9	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	9.56	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	0.137	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 12:34
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250003-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **LIND 5950**
SGS Ref. #: 1070250003
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 14:30
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	0.333 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	30.1	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	6.21	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	0.352 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.25 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	249 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	2270	500	150	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	2590	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	60.7	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 15:19
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250003-E
Analyst: TK



Client Sample ID: **LIND 5950**
 SGS Ref. #: 1070250003
 Project ID: Nova Gold Resources, Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 01/16/07 14:30
 Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	20.5	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Nitrate/Nitrite-N	0.0360 J	0.100	0.0310	mg/L	5	WFI1380		
Chloride	2.58	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	0.400 J	1.00	0.300	mg/L		STS2954		
Alkalinity	142	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	0.0406 J	0.100	0.0310	mg/L	1	WDA1024	WXX5713	
Total Dissolved Solids	170	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2954 Initial Prep Wt./Vol.: 500 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 01/19/07 12:00 Container ID:1070250003-G
 Analyst: KP

Analytical Batch: WAT6209 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 01/22/07 09:30 Container ID:1070250003-F
 Dilution Factor: 1 Analyst: KP

Analytical Batch: WDA1024 Prep Batch: WXX5713 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 01/31/07 13:01 Prep Date/Time: 01/30/07 12:00 Container ID:1070250003-D
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1380 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 01/26/07 11:56 Container ID:1070250003-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4010 Prep Batch: WXX5700 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 01/19/07 16:58 Prep Date/Time: 01/19/07 10:33 Container ID:1070250003-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2741 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 01/18/07 15:30 Container ID:1070250003-F
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **LIND 5950**
SGS Ref. #: 1070250003
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 14:30
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250003-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250003-C
Analyst: ACF



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **SABC 5951**
SGS Ref. #: 1070250004
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 13:30
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	33.9	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	0.00749 J	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	6.98	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	0.142	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 12:37
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250004-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **SABC 5951**
SGS Ref. #: 1070250004
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 13:30
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	0.486 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	9.62	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	0.592 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	1.02	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	0.943 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	220 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	2020	500	150	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	1980	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	40.3	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 15:23
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250004-E
Analyst: TK



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **SABC 5951**
 SGS Ref. #: 1070250004
 Project ID: Nova Gold Resources, Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 01/16/07 13:30
 Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	21.9	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Nitrate/Nitrite-N	0.0760 J	0.100	0.0310	mg/L	5	WFI1380		
Chloride	3.46	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	0.300 J	0.500	0.150	mg/L		STS2953		
Alkalinity	95.0	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1024	WXX5713	
Total Dissolved Solids	129	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2953
 Analytical Method: EPA 160.2
 Analysis Date/Time: 01/18/07 15:40
 Initial Prep Wt./Vol.: 1000 mL
 Container ID:1070250004-G
 Analyst: ACF

Analytical Batch: WAT6209
 Analytical Method: SM20 2540C
 Analysis Date/Time: 01/22/07 09:30
 Dilution Factor: 1
 Initial Prep Wt./Vol.: 80 mL
 Container ID:1070250004-F
 Analyst: KP

Analytical Batch: WDA1024
 Analytical Method: SM20 4500-NH3 F
 Analysis Date/Time: 01/30/07 17:55
 Dilution Factor: 1
 Prep Batch: WXX5713
 Prep Method: EXT/4500F1
 Prep Date/Time: 01/30/07 12:00
 Initial Prep Wt./Vol.: 50 mL
 Prep Extract Vol.: 50 mL
 Container ID:1070250004-D
 Analyst: AZS

Analytical Batch: WFI1380
 Analytical Method: EPA 353.2
 Analysis Date/Time: 01/26/07 13:02
 Dilution Factor: 5
 Initial Prep Wt./Vol.: 5 mL
 Container ID:1070250004-A
 Analyst: JDS

Analytical Batch: WIC4010
 Analytical Method: EPA 300.0
 Analysis Date/Time: 01/19/07 17:18
 Dilution Factor: 1
 Prep Batch: WXX5700
 Prep Method: H2O/EP300
 Prep Date/Time: 01/19/07 10:33
 Initial Prep Wt./Vol.: 10 mL
 Prep Extract Vol.: 10 mL
 Container ID:1070250004-B
 Analyst: JDS

Analytical Batch: WTI2741
 Analytical Method: SM20 2320B
 Analysis Date/Time: 01/18/07 15:30
 Dilution Factor: 1
 Initial Prep Wt./Vol.: 100 mL
 Container ID:1070250004-F
 Analyst: PLW



Client Sample ID: **SABC 5951**
SGS Ref. #: 1070250004
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 13:30
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250004-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250004-C
Analyst: ACF



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK1A 5952**
SGS Ref. #: 1070250005
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 12:00
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	48.7	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	0.0191 J	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	10.6	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	0.170	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 12:40
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250005-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: ROCK1A 5952
SGS Ref. #: 1070250005
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 12:00
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and limits.

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 15:28
Dilution Factor: 5
Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250005-E
Analyst: TK



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK1A 5952**
 SGS Ref. #: 1070250005
 Project ID: Nova Gold Resources, Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 01/16/07 12:00
 Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	30.4	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1380		
Chloride	2.34	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	0.700	0.500	0.150	mg/L		STS2953		
Alkalinity	141	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1024	WXX5713	
Total Dissolved Solids	174	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2953 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 01/18/07 15:40 Container ID:1070250005-G
 Analyst: ACF

Analytical Batch: WAT6209 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 01/22/07 09:30 Container ID:1070250005-F
 Dilution Factor: 1 Analyst: KP

Analytical Batch: WDA1024 Prep Batch: WXX5713 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 01/30/07 17:55 Prep Date/Time: 01/30/07 12:00 Container ID:1070250005-D
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1380 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 01/26/07 13:03 Container ID:1070250005-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4010 Prep Batch: WXX5700 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 01/19/07 18:35 Prep Date/Time: 01/19/07 10:33 Container ID:1070250005-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2741 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 01/18/07 15:30 Container ID:1070250005-F
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **ROCK1A 5952**
SGS Ref. #: 1070250005
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 12:00
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250005-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250005-C
Analyst: ACF



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK1B 5953**
SGS Ref. #: 1070250006
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 11:15
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	48.1	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	0.0145 J	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	10.9	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	0.160	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 12:42
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250006-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK1B 5953**
SGS Ref. #: 1070250006
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 11:15
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	8.03 J	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	1.46	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	42.3	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	6.24	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	0.318 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	3.23	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.53 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	223 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	1790	500	150	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	2610	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	57.3	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 15:32
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250006-E
Analyst: TK



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK1B 5953**
 SGS Ref. #: 1070250006
 Project ID: Nova Gold Resources, Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 01/16/07 11:15
 Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0335 J	0.100	0.0310	mg/L	5	WFI1380		
Sulfate	31.7	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Chloride	2.37	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	0.400 J	0.500	0.150	mg/L		STS2953		
Alkalinity	136	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1024	WXX5713	
Total Dissolved Solids	190	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2953 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 01/18/07 15:40 Container ID:1070250006-G
 Analyst: ACF

Analytical Batch: WAT6209 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 01/22/07 09:30 Container ID:1070250006-F
 Dilution Factor: 1 Analyst: KP

Analytical Batch: WDA1024 Prep Batch: WXX5713 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 01/30/07 17:55 Prep Date/Time: 01/30/07 12:00 Container ID:1070250006-D
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1380 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 01/26/07 13:05 Container ID:1070250006-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4010 Prep Batch: WXX5700 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 01/19/07 18:54 Prep Date/Time: 01/19/07 10:33 Container ID:1070250006-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2741 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 01/18/07 15:30 Container ID:1070250006-F
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **ROCK1B 5953**
SGS Ref. #: 1070250006
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 11:15
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250006-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250006-C
Analyst: ACF



Client Sample ID: **DUPL 5954**
SGS Ref. #: 1070250007
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	38.8	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	8.82	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	0.113	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 12:59
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250007-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: DUPL 5954
SGS Ref. #: 1070250007
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective values and detection limits.

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 15:37
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250007-E
Analyst: TK



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **DUPL 5954**
 SGS Ref. #: 1070250007
 Project ID: Nova Gold Resources, Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 01/16/07 00:00
 Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	26.7	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Nitrate/Nitrite-N	0.0775 J	0.100	0.0310	mg/L	5	WFI1380		
Chloride	2.86	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS2953		
Alkalinity	116	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1024	WXX5714	
Total Dissolved Solids	146	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2953 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 01/18/07 15:40 Container ID:1070250007-G
 Analyst: ACF

Analytical Batch: WAT6209 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 01/22/07 09:30 Container ID:1070250007-F
 Dilution Factor: 1 Analyst: KP

Analytical Batch: WDA1024 Prep Batch: WXX5714 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 01/30/07 17:55 Prep Date/Time: 01/30/07 12:00 Container ID:1070250007-D
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1380 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 01/26/07 13:06 Container ID:1070250007-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4010 Prep Batch: WXX5700 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 01/19/07 19:13 Prep Date/Time: 01/19/07 10:33 Container ID:1070250007-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2741 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 01/18/07 15:30 Container ID:1070250007-F
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **DUPL 5954**
SGS Ref. #: 1070250007
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250007-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250007-C
Analyst: ACF



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **BLNK 5955**
SGS Ref. #: 1070250008
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:08
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250008-E
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **BLNK 5955**
SGS Ref. #: 1070250008
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	3.74	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	0.410 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	ND	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	ND	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	ND	500	150	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	ND	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 15:41
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250008-E
Analyst: TK



Client Sample ID: **BLNK 5955**
 SGS Ref. #: 1070250008
 Project ID: Nova Gold Resources, Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 01/16/07 00:00
 Receipt Date/Time: 01/17/07 08:07

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.181	0.100	0.0310	mg/L	5	WFI1380		
Sulfate	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Chloride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4010	WXX5700	
Total Suspended Solids	ND	1.00	0.300	mg/L		STS2953		
Alkalinity	ND	10.0	3.10	mg/L	1	WTI2741		
Ammonia-N	0.392	0.100	0.0310	mg/L	1	WDA1024	WXX5714	
Total Dissolved Solids	6.25 J	10.0	3.10	mg/L	1	WAT6209		

Batch Information

Analytical Batch: STS2953 Initial Prep Wt./Vol.: 500 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 01/18/07 15:40 Container ID:1070250008-G
 Analyst: ACF

Analytical Batch: WAT6209 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 01/22/07 09:30 Container ID:1070250008-F
 Dilution Factor: 1 Analyst: KP

Analytical Batch: WDA1024 Prep Batch: WXX5714 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 01/31/07 13:01 Prep Date/Time: 01/30/07 12:00 Container ID:1070250008-D
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1380 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 01/26/07 13:11 Container ID:1070250008-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4010 Prep Batch: WXX5700 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 01/19/07 20:11 Prep Date/Time: 01/19/07 10:33 Container ID:1070250008-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2741 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 01/18/07 15:30 Container ID:1070250008-F
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **BLNK 5955**
SGS Ref. #: 1070250008
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4422	WXX5711	
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4421	WXX5703	

Batch Information

Analytical Batch: WSP4421
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5703
Prep Method: EXT/4500CN
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250008-C
Analyst: ACF

Analytical Batch: WSP4422
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 01/25/07 13:00
Dilution Factor: 1

Prep Batch: WXX5711
Prep Method: EXT/WADCN1
Prep Date/Time: 01/24/07 09:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070250008-C
Analyst: ACF



Client Sample ID: **GLAC 5948**
SGS Ref. #: 1070250009
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 12:30
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	40.8	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	0.122	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	9.29	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:13
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250009-B
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **GLAC 5948**
SGS Ref. #: 1070250009
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 12:30
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	10.2 J	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	0.512 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	6.90	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	4.34	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	0.852 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.30 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	161 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	2180	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Sodium	2160	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	0.331 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	50.8	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658	Prep Batch: MXX18612	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 01/29/07 16:11	Prep Date/Time: 01/22/07 16:30	Container ID:1070250009-B
Dilution Factor: 5		Analyst: TK



Client Sample ID: **ROCK2 5949**
SGS Ref. #: 1070250010
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 13:25
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	52.5	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	0.157	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	12.6	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:16
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250010-B
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK2 5949**
SGS Ref. #: 1070250010
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/15/07 13:25
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	16.9 J	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	1.21	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	69.9	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	4.60	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.97 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	216 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Silicon	2760	200	100	ug/L	5	MMS4658	MXX18612	
Sodium	2260	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	62.2	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Zinc	13.4	5.00	2.50	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 16:15
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250010-B
Analyst: TK



Client Sample ID: **LIND 5950**
SGS Ref. #: 1070250011
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 14:30
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	49.8	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	0.138	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	9.68	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:19
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250011-B
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **LIND 5950**
SGS Ref. #: 1070250011
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 14:30
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	28.7	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	6.28	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.69 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	233 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	1.54 J	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	2420	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Silicon	2710	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	61.7	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 16:20
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250011-B
Analyst: TK



Client Sample ID: **SABC 5951**
SGS Ref. #: 1070250012
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 13:30
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	34.9	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	0.144	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	7.16	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:21
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250012-B
Analyst: DSH



Client Sample ID: **SABC 5951**
SGS Ref. #: 1070250012
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 13:30
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	0.445 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	9.95	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	0.947 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.20 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	216 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	2100	200	100	ug/L	5	MMS4658	MXX18612	
Sodium	2290	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	43.2	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 16:24
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250012-B
Analyst: TK



Client Sample ID: **ROCK1A 5952**
SGS Ref. #: 1070250013
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 12:00
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	49.5	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	0.171	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	10.7	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:24
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250013-B
Analyst: DSH



Client Sample ID: **ROCK1A 5952**
SGS Ref. #: 1070250013
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 12:00
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	1.76	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	29.3	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	7.44	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	3.78	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.90 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	212 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Sodium	2000	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Silicon	2740	200	100	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	62.8	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 16:28
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250013-B
Analyst: TK



Client Sample ID: **ROCK1B 5953**
SGS Ref. #: 1070250014
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 11:15
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	49.5	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	0.162	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	11.2	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:27
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250014-B
Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **ROCK1B 5953**
SGS Ref. #: 1070250014
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 11:15
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	7.85 J	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	1.36	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	42.5	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	6.77	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	0.109 J	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	2.76	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.91 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	213 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	2690	200	100	ug/L	5	MMS4658	MXX18612	
Sodium	2070	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	60.1	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 16:33
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250014-B
Analyst: TK



Client Sample ID: **DUPL 5954**
SGS Ref. #: 1070250015
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	39.9	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	0.116	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	9.06	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243
Analytical Method: EP200.7
Analysis Date/Time: 01/24/07 13:37
Dilution Factor: 1

Prep Batch: MXX18613
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250015-B
Analyst: DSH



Client Sample ID: **DUPL 5954**
SGS Ref. #: 1070250015
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	0.394 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	6.44	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	3.99	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	0.792 J	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	1.31 J	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	166 J	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Sodium	2200	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Silicon	2130	200	100	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	51.4	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 16:37
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250015-B
Analyst: TK



Client Sample ID: **BLNK 5955**
SGS Ref. #: 1070250016
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5243	MXX18613	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5243	MXX18613	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5243	MXX18613	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5243	MXX18613	

Batch Information

Analytical Batch: MIP5243	Prep Batch: MXX18613	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.7	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 01/24/07 13:45	Prep Date/Time: 01/22/07 16:30	Container ID:1070250016-B
Dilution Factor: 1		Analyst: DSH



AK Gold Company

Print Date: 2/2/2007

Client Sample ID: **BLNK 5955**
SGS Ref. #: 1070250016
Project ID: Nova Gold Resources, Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 01/16/07 00:00
Receipt Date/Time: 01/17/07 08:07

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	8.52 J	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Antimony	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Barium	ND	3.00	0.940	ug/L	5	MMS4658	MXX18612	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4658	MXX18612	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4658	MXX18612	
Chromium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4658	MXX18612	
Copper	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Lead	ND	0.200	0.0620	ug/L	5	MMS4658	MXX18612	
Manganese	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4658	MXX18612	
Nickel	ND	2.00	0.620	ug/L	5	MMS4658	MXX18612	
Phosphorus	ND	200	62.0	ug/L	5	MMS4658	MXX18612	
Potassium	ND	500	150	ug/L	5	MMS4658	MXX18612	
Selenium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	
Silver	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Sodium	ND	500	150	ug/L	5	MMS4658	MXX18612	
Thallium	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4658	MXX18612	
Zinc	ND	5.00	2.50	ug/L	5	MMS4658	MXX18612	
Silicon	ND	200	100	ug/L	5	MMS4658	MXX18612	
Tin	ND	1.00	0.310	ug/L	5	MMS4658	MXX18612	
Titanium	ND	5.00	1.50	ug/L	5	MMS4658	MXX18612	

Batch Information

Analytical Batch: MMS4658
Analytical Method: EP200.8
Analysis Date/Time: 01/29/07 16:41
Dilution Factor: 5

Prep Batch: MXX18612
Prep Method: E200.2
Prep Date/Time: 01/22/07 16:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070250016-B
Analyst: TK



**SGS Environmental Services
Alaska Division
Level II Laboratory Data Report**

Project: Rock Creek
Client: AK Gold Company
SGS Work Order: 1070892

Released by:

Contents:

Cover Page
Case Narrative
Final Report Pages
Quality Control Summary Forms
Chain of Custody/Sample Receipt Forms

Note:
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.



CASE NARRATIVE

Print Date: 3/16/2007

Client Name: AK Gold Company
Project Name: Rock Creek
Workorder No.: 1070892

Sample Comments

Refer to the sample receipt form for information on sample condition.

<u>Lab Sample ID</u>	<u>Sample Type</u>	<u>Client Sample ID</u>
1070892006	PS	DUPL 5962
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
1070892007	PS	BLNK 5963
	4500CN - The MS for total cyanide fails to meet QC criteria. The batch LCS is within QC limits. 4500CN WAD - The MS for WAD cyanide fails to meet QC criteria. The batch LCS is within QC limits.	
753608	MB	MB for HBN 183256 [MXX/18690]
	200.8 - Detectable amount of zinc in the method blank. Concentration of zinc in the samples is 10X greater or less than the practical quantitation limit.	
753610	MS	LAR Raw WTP(1070838001MS)
	200.8 - Matrix spike recovery for iron was outside of acceptance criteria. Post digestion spike was successful.	
753624	MB	MB for HBN 183259 [MXX/18693]
	200.7 - Ca was detected in the method blank greater than 1/2 of the PQL but less than PQL.	
753845	ICSA	ICSA for HBN 183311 (MIP/5254)
	200.7 - Metals - Zinc read above the practical quantitation limit for interference check standard A. The sample is non-detect for zinc.	
754020	UDUP	BLNK 1940(1070914007UDUP)
	300.0 - The duplicate failed for Nitrate and Total Nitrate/Nitrite - N; the difference between the sample and the duplicate was less than the PQL.	
754095	MS	Knik Heights ...(1070879001MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
754096	MS	DUPL 5962(1070892006MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
754097	MS	CS-STP-No3 Pr...(1070907001MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
754099	MS	McKinley View(1070909001MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
754491	MS	DUPL 1939(1070914006MS)
	4500NH3 - The MS for ammonia fails to meet QC criteria. The batch LCS is within QC limits.	
754569	MS	BLNK 5963(1070892007MS)
	4500CN WAD - The MS for WAD cyanide fails to meet QC criteria. The batch LCS is within QC limits.	
754571	MS	BLNK 1940(1070914007MS)
	4500CN WAD - The MS for WAD cyanide fails to meet QC criteria. The batch LCS is within QC limits.	
754573	MS	BLNK 5963(1070892007MS)
	4500CN - The MS for total cyanide fails to meet QC criteria. The batch LCS is within QC limits.	

4500CN - The MS for total cyanide fails to meet QC criteria. The batch LCS is within QC limits.



Laboratory Analytical Report

Client: **AK Gold Company**
111 W 16th Ave Suite 301
Anchorage, AK 99501

Attn: **Charlotte MacCay**
T: (907)563-0013 F:(907)563-6713

Project: **Rock Creek**
Workorder No.: **1070892**

Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Stephen Ede
Stephen.Ede@sgs.com
Technical Director



Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



SAMPLE SUMMARY

Print Date: 3/16/2007

Client Name: AK Gold Company

Project Name: Rock Creek

Workorder No.: 1070892

Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO ₃ QC	SM20 2320B
Ammonia-N (W) SM4500-F	SM20 4500-NH ₃ F
Ion Chromatographic Analysis (W)	EPA 300.0
Low Level Mercury EPA 1631	EPA 1631 E
Metals in Drinking Water by ICP DISSOLVE	EP200.7
Metals in Drinking Water by ICP-MS DISSO	EP200.8
Metals in Water by 200.7 ICP	EP200.7
Metals in Water by 200.8 ICP-MS	EP200.8
Nitrate/Nitrite Flow injection Pres.	EPA 353.2
Total Cyanide SM4500CN	SM20 4500-CN C,E
Total Dissolved Solids SM18 2540C	SM20 2540C
Total Suspended Solids EPA 160.2	EPA 160.2
Weak Acid Disassociable Cyanide	SM20 4500-CN I

Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1070892001	SABC 5956
1070892002	LINB 5957
1070892003	ROCK 1A 5958
1070892004	ROCK 1B 5959
1070892005	GLAC 5961
1070892006	DUPL 5962
1070892007	BLNK 5963
1070892008	SABC 5956
1070892009	LINB 5957
1070892010	ROCK 1A 5958
1070892011	ROCK 1B 5959
1070892012	GLAC 5961
1070892013	DUPL 5962
1070892014	BLNK 5963



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: SABC 5956
SGS Ref. #: 1070892001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 11:30
Receipt Date/Time: 03/06/07 10:05

Metals Department

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Mercury, Iron, Magnesium, and Strontium.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **SABC 5956**
SGS Ref. #: 1070892001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 11:30
Receipt Date/Time: 03/06/07 10:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Antimony	0.367 J	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Barium	12.5	3.00	0.940	ug/L	5	MMS4701	MXX18690	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4701	MXX18690	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4701	MXX18690	
Chromium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4701	MXX18690	
Copper	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Lead	ND	0.200	0.0620	ug/L	5	MMS4701	MXX18690	
Manganese	0.647 J	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4701	MXX18690	
Nickel	0.915 J	2.00	0.620	ug/L	5	MMS4701	MXX18690	
Phosphorus	ND	200	62.0	ug/L	5	MMS4701	MXX18690	
Potassium	267 J	500	150	ug/L	5	MMS4701	MXX18690	
Selenium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Sodium	2880	500	150	ug/L	5	MMS4701	MXX18690	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Zinc	ND	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Silver	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Thallium	0.332 J	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Tin	0.871 J	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Titanium	38.7	5.00	1.50	ug/L	5	MMS4701	MXX18690	

Batch Information

Analytical Batch: MMS4701
Analytical Method: EP200.8
Analysis Date/Time: 03/10/07 12:35
Dilution Factor: 5

Prep Batch: MXX18690
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892001-G
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **SABC 5956**
 SGS Ref. #: 1070892001
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 11:30
 Receipt Date/Time: 03/06/07 10:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	21.4	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Nitrate/Nitrite-N	0.0750 J	0.100	0.0310	mg/L	5	WFI1394		
Chloride	4.33	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS2970		
Alkalinity	94.0	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	0.0320 J	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	106	10.0	3.10	mg/L	1	WAT6242		

Batch Information

Analytical Batch: STS2970 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/06/07 08:40 Container ID:1070892001-D
 Analyst: ACF

Analytical Batch: WAT6242 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/07/07 09:25 Container ID:1070892001-C
 Dilution Factor: 1 Analyst: PLW

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:21 Prep Date/Time: 03/14/07 09:00 Container ID:1070892001-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 09:12 Container ID:1070892001-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 10:49 Prep Date/Time: 03/08/07 07:18 Container ID:1070892001-A
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070892001-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **SABC 5956**
SGS Ref. #: 1070892001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 11:30
Receipt Date/Time: 03/06/07 10:05

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892001-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892001-E
Analyst: ACF



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **LINB 5957**
SGS Ref. #: 1070892002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 12:20
Receipt Date/Time: 03/06/07 10:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	49.0	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Mercury	0.606 J	1.00	0.500	ng/L	1	MCV3592	MXX18703	
Iron	0.00944 J	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Magnesium	10.1	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Strontium	0.142	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MCV3592
Analytical Method: EPA 1631 E
Analysis Date/Time: 03/12/07 13:43
Dilution Factor: 1

Prep Batch: MXX18703
Prep Method: METHOD
Prep Date/Time: 03/08/07 11:48

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1070892002-H
Analyst: AFH

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 08:57
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892002-G
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **LINB 5957**
SGS Ref. #: 1070892002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 12:20
Receipt Date/Time: 03/06/07 10:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Antimony	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Arsenic	31.9	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Barium	7.09	3.00	0.940	ug/L	5	MMS4701	MXX18690	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4701	MXX18690	
Cadmium	0.335 J	0.500	0.150	ug/L	5	MMS4701	MXX18690	
Chromium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4701	MXX18690	
Copper	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Lead	ND	0.200	0.0620	ug/L	5	MMS4701	MXX18690	
Manganese	0.686 J	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4701	MXX18690	
Nickel	1.31 J	2.00	0.620	ug/L	5	MMS4701	MXX18690	
Phosphorus	ND	200	62.0	ug/L	5	MMS4701	MXX18690	
Potassium	357 J	500	150	ug/L	5	MMS4701	MXX18690	
Selenium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Sodium	2410	500	150	ug/L	5	MMS4701	MXX18690	
Zinc	2.83 J	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Silver	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Thallium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Tin	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Titanium	59.7	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	

Batch Information

Analytical Batch: MMS4701
Analytical Method: EP200.8
Analysis Date/Time: 03/10/07 13:27
Dilution Factor: 5

Prep Batch: MXX18690
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892002-G
Analyst: TK

Analytical Batch: MMS4701
Analytical Method: EP200.8
Analysis Date/Time: 03/10/07 15:14
Dilution Factor: 5

Prep Batch: MXX18690
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892002-G
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **LINB 5957**
 SGS Ref. #: 1070892002
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 12:20
 Receipt Date/Time: 03/06/07 10:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	24.5	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Nitrate/Nitrite-N	0.0535 J	0.100	0.0310	mg/L	5	WFI1394		
Chloride	2.97	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	0.300 J	0.500	0.150	mg/L		STS2970		
Alkalinity	150	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	171	10.0	3.10	mg/L	1	WAT6242		

Batch Information

Analytical Batch: STS2970 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/06/07 08:40 Container ID:1070892002-D
 Analyst: ACF

Analytical Batch: WAT6242 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/07/07 09:25 Container ID:1070892002-C
 Dilution Factor: 1 Analyst: PLW

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:21 Prep Date/Time: 03/14/07 09:00 Container ID:1070892002-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 09:13 Container ID:1070892002-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 11:08 Prep Date/Time: 03/08/07 07:18 Container ID:1070892002-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070892002-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **LINB 5957**
SGS Ref. #: 1070892002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 12:20
Receipt Date/Time: 03/06/07 10:05

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892002-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892002-E
Analyst: ACF



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **ROCK 1A 5958**
SGS Ref. #: 1070892003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:20
Receipt Date/Time: 03/06/07 10:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	49.2	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Mercury	0.727 J	1.00	0.500	ng/L	1	MCV3592	MXX18703	
Iron	0.0472	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Magnesium	11.9	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Strontium	0.185	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MCV3592	Prep Batch: MXX18703	Initial Prep Wt./Vol.: 100 mL
Analytical Method: EPA 1631 E	Prep Method: METHOD	Prep Extract Vol.: 100 mL
Analysis Date/Time: 03/12/07 13:50	Prep Date/Time: 03/08/07 11:48	Container ID:1070892003-H
Dilution Factor: 1		Analyst: AFH
Analytical Batch: MIP5254	Prep Batch: MXX18693	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.7	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 03/10/07 09:00	Prep Date/Time: 03/07/07 11:00	Container ID:1070892003-G
Dilution Factor: 1		Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: ROCK 1A 5958
SGS Ref. #: 1070892003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:20
Receipt Date/Time: 03/06/07 10:05

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.; Analytical Method, Prep Method, Prep Extract Vol.; Analysis Date/Time, Prep Date/Time, Container ID; Dilution Factor, Analyst.



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **ROCK 1A 5958**
 SGS Ref. #: 1070892003
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 13:20
 Receipt Date/Time: 03/06/07 10:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0655 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	33.2	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	2.32	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	2.00	0.500	0.150	mg/L		STS2970		
Alkalinity	146	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	186	10.0	3.10	mg/L	1	WAT6242		

Batch Information

Analytical Batch: STS2970 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/06/07 08:40 Container ID:1070892003-D
 Analyst: ACF

Analytical Batch: WAT6242 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/07/07 09:25 Container ID:1070892003-C
 Dilution Factor: 1 Analyst: PLW

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:21 Prep Date/Time: 03/14/07 09:00 Container ID:1070892003-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 09:15 Container ID:1070892003-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 11:27 Prep Date/Time: 03/08/07 07:18 Container ID:1070892003-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070892003-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **ROCK 1A 5958**
SGS Ref. #: 1070892003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:20
Receipt Date/Time: 03/06/07 10:05

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892003-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892003-E
Analyst: ACF



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **ROCK 1B 5959**
SGS Ref. #: 1070892004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:45
Receipt Date/Time: 03/06/07 10:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	51.8	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Mercury	0.658 J	1.00	0.500	ng/L	1	MCV3592	MXX18703	
Iron	0.0562	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Magnesium	12.9	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Strontium	0.182	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MCV3592
Analytical Method: EPA 1631 E
Analysis Date/Time: 03/12/07 13:58
Dilution Factor: 1

Prep Batch: MXX18703
Prep Method: METHOD
Prep Date/Time: 03/08/07 11:48

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1070892004-H
Analyst: AFH

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:03
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892004-G
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: ROCK 1B 5959
SGS Ref. #: 1070892004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:45
Receipt Date/Time: 03/06/07 10:05

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and limits.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.; Analytical Method, Prep Method, Prep Extract Vol.; Analysis Date/Time, Prep Date/Time, Container ID; Dilution Factor, Analyst.



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **ROCK 1B 5959**
 SGS Ref. #: 1070892004
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 13:45
 Receipt Date/Time: 03/06/07 10:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0680 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	34.0	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	2.34	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	1.40	0.500	0.150	mg/L		STS2971		
Alkalinity	148	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	190	10.0	3.10	mg/L	1	WAT6242		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070892004-D
 Analyst: ACF

Analytical Batch: WAT6242 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/07/07 09:25 Container ID:1070892004-C
 Dilution Factor: 1 Analyst: PLW

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:21 Prep Date/Time: 03/14/07 09:00 Container ID:1070892004-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 09:16 Container ID:1070892004-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 11:47 Prep Date/Time: 03/08/07 07:18 Container ID:1070892004-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070892004-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **ROCK 1B 5959**
SGS Ref. #: 1070892004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:45
Receipt Date/Time: 03/06/07 10:05

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892004-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892004-E
Analyst: ACF



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: GLAC 5961
SGS Ref. #: 1070892005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 15:00
Receipt Date/Time: 03/06/07 10:05

Metals Department

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Mercury, Iron, Magnesium, and Strontium.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: GLAC 5961
SGS Ref. #: 1070892005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 15:00
Receipt Date/Time: 03/06/07 10:05

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Sodium, Zinc, Silver, Thallium, Tin, Titanium, Vanadium.

Batch Information

Table with 3 columns: Analytical Batch/Method/Date/Time/Dilution Factor, Prep Batch/Method/Date/Time, Initial Prep Wt./Vol./Prep Extract Vol./Container ID/Analyst. Contains two rows of batch information.



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: GLAC 5961
SGS Ref. #: 1070892005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 15:00
Receipt Date/Time: 03/06/07 10:05

Waters Department

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Total Nitrate/Nitrite-N, Sulfate, Chloride, Fluoride, Total Suspended Solids, Alkalinity, Ammonia-N, and Total Dissolved Solids.

Batch Information

Analytical Batch: STS2971
Analytical Method: EPA 160.2
Analysis Date/Time: 03/07/07 12:00
Initial Prep Wt./Vol.: 1000 mL
Container ID:1070892005-D
Analyst: ACF

Analytical Batch: WAT6242
Analytical Method: SM20 2540C
Analysis Date/Time: 03/07/07 09:25
Dilution Factor: 1
Initial Prep Wt./Vol.: 80 mL
Container ID:1070892005-C
Analyst: PLW

Analytical Batch: WDA1032
Analytical Method: SM20 4500-NH3 F
Analysis Date/Time: 03/14/07 11:21
Dilution Factor: 1
Prep Batch: WXX5749
Prep Method: EXT/4500F1
Prep Date/Time: 03/14/07 09:00
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1070892005-F
Analyst: AZS

Analytical Batch: WFI1394
Analytical Method: EPA 353.2
Analysis Date/Time: 03/08/07 09:18
Dilution Factor: 5
Initial Prep Wt./Vol.: 5 mL
Container ID:1070892005-A
Analyst: JDS

Analytical Batch: WIC4018
Analytical Method: EPA 300.0
Analysis Date/Time: 03/08/07 12:06
Dilution Factor: 1
Prep Batch: WXX5741
Prep Method: H2O/EP300
Prep Date/Time: 03/08/07 07:18
Initial Prep Wt./Vol.: 10 mL
Prep Extract Vol.: 10 mL
Container ID:1070892005-B
Analyst: JDS

Analytical Batch: WTI2753
Analytical Method: SM20 2320B
Analysis Date/Time: 03/09/07 15:00
Dilution Factor: 1
Initial Prep Wt./Vol.: 100 mL
Container ID:1070892005-C
Analyst: PLW



Client Sample ID: **GLAC 5961**
SGS Ref. #: 1070892005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 15:00
Receipt Date/Time: 03/06/07 10:05

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892005-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892005-E
Analyst: ACF



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: DUPL 5962
SGS Ref. #: 1070892006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Metals Department

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Mercury, Iron, Magnesium, and Strontium.

Batch Information

Analytical Batch: MCV3592
Analytical Method: EPA 1631 E
Analysis Date/Time: 03/12/07 14:12
Dilution Factor: 1

Prep Batch: MXX18703
Prep Method: METHOD
Prep Date/Time: 03/08/07 11:48

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1070892006-H
Analyst: AFH

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:14
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892006-G
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: DUPL 5962
SGS Ref. #: 1070892006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch/Method/Date/Time/Dilution Factor, Prep Batch/Method/Date/Time, Initial Prep Wt./Vol./Prep Extract Vol./Container ID/Analyst. Contains two rows of batch information.



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **DUPL 5962**
 SGS Ref. #: 1070892006
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 00:00
 Receipt Date/Time: 03/06/07 10:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Sulfate	20.6	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Nitrate/Nitrite-N	0.0600 J	0.100	0.0310	mg/L	5	WFI1394		
Chloride	4.16	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	ND	0.505	0.152	mg/L		STS2971		
Alkalinity	94.0	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	118	10.0	3.10	mg/L	1	WAT6242		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 990 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070892006-D
 Analyst: ACF

Analytical Batch: WAT6242 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/07/07 09:25 Container ID:1070892006-C
 Dilution Factor: 1 Analyst: PLW

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:23 Prep Date/Time: 03/14/07 09:00 Container ID:1070892006-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 09:19 Container ID:1070892006-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 13:04 Prep Date/Time: 03/08/07 07:18 Container ID:1070892006-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070892006-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **DUPL 5962**
SGS Ref. #: 1070892006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892006-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892006-E
Analyst: ACF



Client Sample ID: **BLNK 5963**
SGS Ref. #: 1070892007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5254	MX18693	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5254	MX18693	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5254	MX18693	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5254	MX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:17
Dilution Factor: 1

Prep Batch: MX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892007-G
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: BLNK 5963
SGS Ref. #: 1070892007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch/Method/Date/Time/Dilution Factor, Prep Batch/Method/Date/Time, Initial Prep Wt./Vol./Prep Extract Vol./Container ID/Analyst. Contains two rows of batch information.



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **BLNK 5963**
 SGS Ref. #: 1070892007
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 00:00
 Receipt Date/Time: 03/06/07 10:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0535 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS2971		
Alkalinity	ND	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	ND	10.0	3.10	mg/L	1	WAT6242		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070892007-D
 Analyst: ACF

Analytical Batch: WAT6242 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/07/07 09:25 Container ID:1070892007-C
 Dilution Factor: 1 Analyst: PLW

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:23 Prep Date/Time: 03/14/07 09:00 Container ID:1070892007-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 09:28 Container ID:1070892007-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 14:02 Prep Date/Time: 03/08/07 07:18 Container ID:1070892007-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070892007-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **BLNK 5963**
SGS Ref. #: 1070892007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892007-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070892007-E
Analyst: ACF



Client Sample ID: **SABC 5956**
SGS Ref. #: 1070892008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 11:30
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	32.9	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Strontium	0.155	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	
Magnesium	6.74	0.100	0.0310	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:19
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892008-B
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **SABC 5956**
 SGS Ref. #: 1070892008
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 11:30
 Receipt Date/Time: 03/06/07 10:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Antimony	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Barium	10.8	3.00	0.940	ug/L	5	MMS4701	MXX18690	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4701	MXX18690	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4701	MXX18690	
Chromium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4701	MXX18690	
Copper	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Lead	ND	0.200	0.0620	ug/L	5	MMS4701	MXX18690	
Manganese	0.457 J	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4701	MXX18690	
Nickel	0.803 J	2.00	0.620	ug/L	5	MMS4701	MXX18690	
Phosphorus	ND	200	62.0	ug/L	5	MMS4701	MXX18690	
Potassium	241 J	500	150	ug/L	5	MMS4701	MXX18690	
Selenium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Silver	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Sodium	2500	500	150	ug/L	5	MMS4701	MXX18690	
Thallium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Vanadium	6.30 J	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Zinc	4.76 J	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Tin	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Titanium	34.6	5.00	1.50	ug/L	5	MMS4701	MXX18690	

Batch Information

Analytical Batch: MMS4701	Prep Batch: MXX18690	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 03/10/07 14:09	Prep Date/Time: 03/07/07 11:00	Container ID:1070892008-B
Dilution Factor: 5		Analyst: TK
Analytical Batch: MMS4701	Prep Batch: MXX18690	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 03/10/07 15:53	Prep Date/Time: 03/07/07 11:00	Container ID:1070892008-B
Dilution Factor: 5		Analyst: TK



Client Sample ID: **LINB 5957**
SGS Ref. #: 1070892009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 12:20
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	48.6	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Strontium	0.142	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	
Magnesium	10.1	0.100	0.0310	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:22
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892009-B
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: LINB 5957
SGS Ref. #: 1070892009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 12:20
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch/Method/Date/Time/Dilution Factor, Prep Batch/Method/Date/Time, and Initial Prep Wt./Vol./Prep Extract Vol./Container ID/Analyst.



Client Sample ID: **ROCK 1A 5958**
SGS Ref. #: 1070892010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:20
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	49.0	0.100	0.0310	mg/L	1	MIP5254	MX18693	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5254	MX18693	
Strontium	0.187	0.00500	0.00150	mg/L	1	MIP5254	MX18693	
Magnesium	11.9	0.100	0.0310	mg/L	1	MIP5254	MX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:25
Dilution Factor: 1

Prep Batch: MX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892010-B
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **ROCK 1A 5958**
SGS Ref. #: 1070892010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:20
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Antimony	2.32	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Arsenic	35.4	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Barium	16.8	3.00	0.940	ug/L	5	MMS4701	MXX18690	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4701	MXX18690	
Cadmium	0.153 J	0.500	0.150	ug/L	5	MMS4701	MXX18690	
Chromium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4701	MXX18690	
Copper	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Lead	ND	0.200	0.0620	ug/L	5	MMS4701	MXX18690	
Manganese	3.33	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4701	MXX18690	
Nickel	1.38 J	2.00	0.620	ug/L	5	MMS4701	MXX18690	
Phosphorus	ND	200	62.0	ug/L	5	MMS4701	MXX18690	
Potassium	275 J	500	150	ug/L	5	MMS4701	MXX18690	
Selenium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Silver	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Zinc	4.60 J	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Sodium	2030	500	150	ug/L	5	MMS4701	MXX18690	
Thallium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Tin	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Titanium	51.8	5.00	1.50	ug/L	5	MMS4701	MXX18690	

Batch Information

Analytical Batch: MMS4701
Analytical Method: EP200.8
Analysis Date/Time: 03/10/07 14:18
Dilution Factor: 5

Prep Batch: MXX18690
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892010-B
Analyst: TK

Analytical Batch: MMS4701
Analytical Method: EP200.8
Analysis Date/Time: 03/10/07 16:02
Dilution Factor: 5

Prep Batch: MXX18690
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892010-B
Analyst: TK



Client Sample ID: **ROCK 1B 5959**
SGS Ref. #: 1070892011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:45
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	50.4	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Strontium	0.179	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	
Magnesium	12.6	0.100	0.0310	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:28
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892011-B
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **ROCK 1B 5959**
SGS Ref. #: 1070892011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 13:45
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Antimony	1.76	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Arsenic	52.2	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Barium	7.99	3.00	0.940	ug/L	5	MMS4701	MXX18690	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4701	MXX18690	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4701	MXX18690	
Chromium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4701	MXX18690	
Copper	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Lead	ND	0.200	0.0620	ug/L	5	MMS4701	MXX18690	
Manganese	2.15	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4701	MXX18690	
Nickel	1.34 J	2.00	0.620	ug/L	5	MMS4701	MXX18690	
Phosphorus	ND	200	62.0	ug/L	5	MMS4701	MXX18690	
Potassium	266 J	500	150	ug/L	5	MMS4701	MXX18690	
Selenium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Zinc	ND	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Silver	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Sodium	2050	500	150	ug/L	5	MMS4701	MXX18690	
Thallium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Tin	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Titanium	61.2	5.00	1.50	ug/L	5	MMS4701	MXX18690	

Batch Information

Analytical Batch: MMS4701
Analytical Method: EP200.8
Analysis Date/Time: 03/10/07 14:22
Dilution Factor: 5

Prep Batch: MXX18690
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892011-B
Analyst: TK

Analytical Batch: MMS4701
Analytical Method: EP200.8
Analysis Date/Time: 03/10/07 16:06
Dilution Factor: 5

Prep Batch: MXX18690
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892011-B
Analyst: TK



Client Sample ID: **GLAC 5961**
SGS Ref. #: 1070892012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 15:00
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	42.9	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Iron	0.00645 J	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Strontium	0.132	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	
Magnesium	9.78	0.100	0.0310	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:30
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892012-B
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: GLAC 5961
SGS Ref. #: 1070892012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 15:00
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch/Method/Date/Time/Dilution Factor, Prep Batch/Method/Date/Time, Initial Prep Wt./Vol./Prep Extract Vol./Container ID/Analyst. Contains two rows of batch information.



Client Sample ID: **DUPL 5962**
SGS Ref. #: 1070892013
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	32.8	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Strontium	0.155	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	
Magnesium	6.74	0.100	0.0310	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:33
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892013-B
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **DUPL 5962**
 SGS Ref. #: 1070892013
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 00:00
 Receipt Date/Time: 03/06/07 10:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Antimony	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Barium	11.3	3.00	0.940	ug/L	5	MMS4701	MXX18690	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4701	MXX18690	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4701	MXX18690	
Chromium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4701	MXX18690	
Copper	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Lead	ND	0.200	0.0620	ug/L	5	MMS4701	MXX18690	
Manganese	0.472 J	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4701	MXX18690	
Nickel	0.774 J	2.00	0.620	ug/L	5	MMS4701	MXX18690	
Phosphorus	ND	200	62.0	ug/L	5	MMS4701	MXX18690	
Potassium	242 J	500	150	ug/L	5	MMS4701	MXX18690	
Selenium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Silver	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Sodium	2700	500	150	ug/L	5	MMS4701	MXX18690	
Thallium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Zinc	2.87 J	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Tin	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Titanium	37.1	5.00	1.50	ug/L	5	MMS4701	MXX18690	

Batch Information

Analytical Batch: MMS4701
 Analytical Method: EP200.8
 Analysis Date/Time: 03/10/07 14:31
 Dilution Factor: 5

Prep Batch: MXX18690
 Prep Method: E200.2
 Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
 Prep Extract Vol.: 25 mL
 Container ID:1070892013-B
 Analyst: TK

Analytical Batch: MMS4701
 Analytical Method: EP200.8
 Analysis Date/Time: 03/10/07 16:15
 Dilution Factor: 5

Prep Batch: MXX18690
 Prep Method: E200.2
 Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
 Prep Extract Vol.: 25 mL
 Container ID:1070892013-B
 Analyst: TK



Client Sample ID: **BLNK 5963**
SGS Ref. #: 1070892014
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/05/07 00:00
Receipt Date/Time: 03/06/07 10:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5254	MXX18693	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5254	MXX18693	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5254	MXX18693	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5254	MXX18693	

Batch Information

Analytical Batch: MIP5254
Analytical Method: EP200.7
Analysis Date/Time: 03/10/07 09:36
Dilution Factor: 1

Prep Batch: MXX18693
Prep Method: E200.2
Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070892014-B
Analyst: TK



AK Gold Company

Print Date: 3/16/2007

Client Sample ID: **BLNK 5963**
 SGS Ref. #: 1070892014
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/05/07 00:00
 Receipt Date/Time: 03/06/07 10:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Antimony	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Barium	ND	3.00	0.940	ug/L	5	MMS4701	MXX18690	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4701	MXX18690	
Cadmium	0.232 J	0.500	0.150	ug/L	5	MMS4701	MXX18690	
Chromium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4701	MXX18690	
Copper	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Lead	ND	0.200	0.0620	ug/L	5	MMS4701	MXX18690	
Manganese	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4701	MXX18690	
Nickel	ND	2.00	0.620	ug/L	5	MMS4701	MXX18690	
Phosphorus	ND	200	62.0	ug/L	5	MMS4701	MXX18690	
Potassium	ND	500	150	ug/L	5	MMS4701	MXX18690	
Selenium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4701	MXX18690	
Zinc	ND	5.00	2.50	ug/L	5	MMS4701	MXX18690	
Silver	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Sodium	ND	500	150	ug/L	5	MMS4701	MXX18690	
Thallium	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Tin	ND	1.00	0.310	ug/L	5	MMS4701	MXX18690	
Titanium	ND	5.00	1.50	ug/L	5	MMS4701	MXX18690	

Batch Information

Analytical Batch: MMS4701
 Analytical Method: EP200.8
 Analysis Date/Time: 03/10/07 14:36
 Dilution Factor: 5

Prep Batch: MXX18690
 Prep Method: E200.2
 Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
 Prep Extract Vol.: 25 mL
 Container ID:1070892014-B
 Analyst: TK

Analytical Batch: MMS4701
 Analytical Method: EP200.8
 Analysis Date/Time: 03/10/07 16:19
 Dilution Factor: 5

Prep Batch: MXX18690
 Prep Method: E200.2
 Prep Date/Time: 03/07/07 11:00

Initial Prep Wt./Vol.: 50 mL
 Prep Extract Vol.: 25 mL
 Container ID:1070892014-B
 Analyst: TK



**SGS Environmental Services
Alaska Division
Level II Laboratory Data Report**

Project: Rock Creek
Client: AK Gold Company
SGS Work Order: 1072562

Released by:

Contents:

Cover Page
Case Narrative
Final Report Pages
Quality Control Summary Forms
Chain of Custody/Sample Receipt Forms

Note:
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.



CASE NARRATIVE

Print Date: 6/26/2007

Client Name: AK Gold Company
Project Name: Rock Creek
Workorder No.: 1072562

Sample Comments

Refer to the sample receipt form for information on sample condition.

<u>Lab Sample ID</u>	<u>Sample Type</u>	<u>Client Sample ID</u>
1072562001	PS	SABC 5964
	4500NH3 - Ammonia - Sample and duplicate RPD is outside of acceptance limits. The difference between sample and duplicate results is less than the PQL. 4500CN - Cyanide - The RPD between the sample and the duplicate did not meet QC goals. The difference between the sample and the duplicate is less than the PQL.	
1072562004	PS	ROCK 1B 5967
	4500-NO3 - Total Nitrate/Nitrite - The matrix spike recovered below the QC criteria. The batch LCS is within QC limits.	
1072562008	PS	BLNK 5971
	4500CN - Cyanide - The RPD between the sample and the duplicate did not meet QC goals. The difference between the sample and the duplicate is less than the PQL.	
768811	MS	T15N R2W Sec ...(1072608001MS)
	200.8 - MS recovery for iron was outside of acceptance criteria. Post digestion spike was successful.	
768987	DUP	SABC 5964(1072562001DUP)
	4500NH3 - Ammonia - Sample and duplicate RPD is outside of acceptance limits. The difference between sample and duplicate results is less than the PQL.	
769283	MS	CL-MW-4(1072547004MS)
	4500-NO3 - Total Nitrate/Nitrite - The matrix spike recovered below the QC criteria. The batch LCS is within QC limits.	
769284	MS	ROCK 1B 5967(1072562004MS)
	4500-NO3 - Total Nitrate/Nitrite - The matrix spike recovered below the QC criteria. The batch LCS is within QC limits.	
769286	MS	1(1072647001MS)
	4500-NO3 - Total Nitrate/Nitrite - The matrix spike recovered below the QC criteria. The batch LCS is within QC limits.	
769615	ICV	ICV for HBN 186891 (MMS/4891)
	200.8 - ICV recovery for antimony was outside of acceptance criteria (biased high). Samples are below the PQL.	
770334	MB	MB for HBN 187123 [MXX/19055]
	1631-Mercury-Mercury was detected in the method blank greater than 1/2 the PQL. Sample result is less than PQL	
770878	DUP	SABC 5964(1072562001DUP)
	4500CN - Cyanide - The RPD between the sample and the duplicate did not meet QC goals. The difference between the sample and the duplicate is less than the PQL.	
770880	DUP	BLNK 5971(1072562008DUP)
	4500CN - Cyanide - The RPD between the sample and the duplicate did not meet QC goals. The difference between the sample and the duplicate is less than the PQL.	
771006	DUP	LSSW003(1072577005DUP)
	4500CNWAD - Weak Acid Dissociable Cyanide - The RPD between the sample and duplicate did not meet QC goals. Both the sample and the duplicate are below the PQL.	

4500CNWAD - Weak Acid Dissociable Cyanide - The RPD between the sample and duplicate did not meet QC goals. Both the sample and the duplicate are below the PQL.



Laboratory Analytical Report

Client: **AK Gold Company**
111 W 16th Ave Suite 301
Anchorage, AK 99501

Attn: **Charlotte MacCay**
T: (907)563-0013 F:(907)563-6713

Project: **Rock Creek**
Workorder No.: **1072562**

Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Stephen Ede
Stephen.Ede@sgs.com
Technical Director

Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



SAMPLE SUMMARY

Print Date: 6/26/2007

Client Name: AK Gold Company

Project Name: Rock Creek

Workorder No.: 1072562

Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO3 QC	SM20 2320B
Ammonia-N (W) SM4500-F	SM20 4500-NH3 F
Ion Chromatographic Analysis (W)	EPA 300.0
Low Level Mercury EPA 1631	EPA 1631 E
Metals in Drinking Water by ICP DISSOLVE	EP200.7
Metals in Drinking Water by ICP-MS DISSO	EP200.8
Metals in Water by 200.7 ICP	EP200.7
Metals in Water by 200.8 ICP-MS	EP200.8
Nitrate/Nitrite Flow injection Pres.	SM20 4500NO3-F
Total Cyanide SM4500 (W) Kone Lab	SM20 4500-CN C,E
Total Dissolved Solids SM18 2540C	SM20 2540C
Total Suspended Solids SM20 2540D	SM20 2540D
Weak Acid Disassociable Cyanide Kone	SM20 4500-CN I

Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1072562001	SABC 5964
1072562002	LIND 5965
1072562003	ROCK 1A 5966
1072562004	ROCK 1B 5967
1072562005	ROCK 2 5968
1072562006	GLAC 5969
1072562007	DUPL 5970
1072562008	BLNK 5971
1072562009	SABC 5964
1072562010	LIND 5965
1072562011	ROCK 1A 5966
1072562012	ROCK 1B 5967
1072562013	ROCK 2 5968
1072562014	GLAC 5969
1072562015	DUPL 5970
1072562016	BLNK 5971



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **SABC 5964**
SGS Ref. #: 1072562001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 11:35
Receipt Date/Time: 06/06/07 08:25

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	25.5	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Mercury	1.02	1.00	0.500	ng/L	1	MCV3647	MXX19055	
Iron	0.0359	0.0200	0.00620	mg/L	1	MIP5301	MXX19043	
Magnesium	5.42	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Strontium	0.0943	0.00500	0.00150	mg/L	1	MIP5301	MXX19043	

Batch Information

Analytical Batch: MCV3647
Analytical Method: EPA 1631 E
Analysis Date/Time: 06/15/07 12:56
Dilution Factor: 1

Prep Batch: MXX19055
Prep Method: METHOD
Prep Date/Time: 06/14/07 18:30

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1072562001-H
Analyst: AFH

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 11:07
Dilution Factor: 1

Prep Batch: MXX19043
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562001-G
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **SABC 5964**
 SGS Ref. #: 1072562001
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 11:35
 Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Aluminum	14.2 J	20.0	6.20	ug/L	5	MMS4904	MXX19044	
Antimony	0.804 J	1.00	0.310	ug/L	5	MMS4917	MXX19044	
Arsenic	3.80 J	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Barium	5.57	3.00	0.940	ug/L	5	MMS4904	MXX19044	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19044	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19044	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19044	
Copper	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Lead	0.0745 J	0.200	0.0620	ug/L	5	MMS4904	MXX19044	
Manganese	2.79	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Molybdenum	6.63 J	10.0	3.10	ug/L	5	MMS4904	MXX19044	
Nickel	1.25 J	2.00	0.620	ug/L	5	MMS4904	MXX19044	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19044	
Potassium	225 J	500	150	ug/L	5	MMS4904	MXX19044	
Selenium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19044	
Sodium	1600	500	150	ug/L	5	MMS4904	MXX19044	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19044	
Zinc	5.67	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Thallium	0.426 J	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Tin	2.49	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Titanium	28.7	5.00	1.50	ug/L	5	MMS4904	MXX19044	

Batch Information

Analytical Batch: MMS4904	Prep Batch: MXX19044	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/20/07 08:30	Prep Date/Time: 06/13/07 14:00	Container ID:1072562001-G
Dilution Factor: 5		Analyst: TK
Analytical Batch: MMS4917	Prep Batch: MXX19044	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/25/07 09:54	Prep Date/Time: 06/13/07 14:00	Container ID:1072562001-G
Dilution Factor: 5		Analyst: TK



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **SABC 5964**
SGS Ref. #: 1072562001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 11:35
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1453		
Sulfate	18.0	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Chloride	2.26	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Fluoride	0.0670 J	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Suspended Solids	1.00	0.500	0.150	mg/L		STS3020		
Alkalinity	70.0	10.0	3.10	mg/L		WT12804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	106	10.0	3.10	mg/L	1	WAT6376		



Client Sample ID: **SABC 5964**
 SGS Ref. #: 1072562001
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 11:35
 Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3020						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 06/06/07 13:40						Container ID:1072562001-D Analyst: ACF		
Analytical Batch: WAT6376						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 06/06/07 12:15						Container ID:1072562001-C Analyst: ACF		
Dilution Factor: 1								
Analytical Batch: WDA1068		Prep Batch: WXX5913		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 06/10/07 17:35		Prep Date/Time: 06/10/07 09:00		Container ID:1072562001-F				
Dilution Factor: 1				Analyst: AZS				
Analytical Batch: WDA1071		Prep Batch: WXX5928		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 06/13/07 10:34		Prep Date/Time: 06/12/07 09:00		Container ID:1072562001-E				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WFI1453						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 06/11/07 16:57						Container ID:1072562001-A Analyst: TRM		
Dilution Factor: 5								
Analytical Batch: WIC4052		Prep Batch: WXX5915		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 06/12/07 21:22		Prep Date/Time: 06/12/07 10:47		Container ID:1072562001-B				
Dilution Factor: 1				Analyst: JDS				
Analytical Batch: WTI2804						Initial Prep Wt./Vol.: 100 mL		
Analytical Method: SM20 2320B								
Analysis Date/Time: 06/13/07 09:50						Container ID:1072562001-C Analyst: CLS		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **SABC 5964**
SGS Ref. #: 1072562001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 11:35
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:44
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562001-E
Analyst: HP



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **LIND 5965**
SGS Ref. #: 1072562002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 12:00
Receipt Date/Time: 06/06/07 08:25

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	33.6	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Mercury	1.03	1.00	0.500	ng/L	1	MCV3647	MXX19055	
Iron	0.00683 J	0.0200	0.00620	mg/L	1	MIP5301	MXX19043	
Magnesium	6.22	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Strontium	0.0960	0.00500	0.00150	mg/L	1	MIP5301	MXX19043	

Batch Information

Analytical Batch: MCV3647
Analytical Method: EPA 1631 E
Analysis Date/Time: 06/15/07 13:04
Dilution Factor: 1

Prep Batch: MXX19055
Prep Method: METHOD
Prep Date/Time: 06/14/07 18:30

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1072562002-H
Analyst: AFH

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 11:15
Dilution Factor: 1

Prep Batch: MXX19043
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562002-G
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: LIND 5965
SGS Ref. #: 1072562002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 12:00
Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective values and batch information.

Batch Information

Table with 3 columns: Analytical Batch/Method/Date/Time/Dilution Factor, Prep Batch/Method/Date/Time, Initial Prep Wt./Vol./Prep Extract Vol./Container ID/Analyst. Contains two rows of batch information.



Client Sample ID: **LIND 5965**
SGS Ref. #: 1072562002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 12:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1453		
Sulfate	11.6	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Chloride	2.31	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Fluoride	0.0660 J	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS3020		
Alkalinity	95.0	10.0	3.10	mg/L		WT12804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	134	10.0	3.10	mg/L	1	WAT6376		



Client Sample ID: **LIND 5965**
SGS Ref. #: 1072562002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 12:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3020						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 06/06/07 13:40						Container ID:1072562002-D Analyst: ACF		
Analytical Batch: WAT6376						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 06/06/07 12:15						Container ID:1072562002-C Analyst: ACF		
Dilution Factor: 1								
Analytical Batch: WDA1068		Prep Batch: WXX5913		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 06/10/07 17:35		Prep Date/Time: 06/10/07 09:00		Container ID:1072562002-F				
Dilution Factor: 1				Analyst: AZS				
Analytical Batch: WDA1071		Prep Batch: WXX5928		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 06/13/07 10:34		Prep Date/Time: 06/12/07 09:00		Container ID:1072562002-E				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WFI1453						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 06/11/07 16:59						Container ID:1072562002-A Analyst: TRM		
Dilution Factor: 5								
Analytical Batch: WIC4052		Prep Batch: WXX5915		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 06/12/07 21:42		Prep Date/Time: 06/12/07 10:47		Container ID:1072562002-B				
Dilution Factor: 1				Analyst: JDS				
Analytical Batch: WTI2804						Initial Prep Wt./Vol.: 100 mL		
Analytical Method: SM20 2320B								
Analysis Date/Time: 06/13/07 09:50						Container ID:1072562002-C Analyst: CLS		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **LIND 5965**
SGS Ref. #: 1072562002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 12:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:12
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562002-E
Analyst: HP



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 1A 5966**
SGS Ref. #: 1072562003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:05
Receipt Date/Time: 06/06/07 08:25

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	28.0	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Mercury	1.21	1.00	0.500	ng/L	1	MCV3647	MXX19055	
Iron	0.0639	0.0200	0.00620	mg/L	1	MIP5301	MXX19043	
Magnesium	5.08	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Strontium	0.0815	0.00500	0.00150	mg/L	1	MIP5301	MXX19043	

Batch Information

Analytical Batch: MCV3647
Analytical Method: EPA 1631 E
Analysis Date/Time: 06/15/07 13:11
Dilution Factor: 1

Prep Batch: MXX19055
Prep Method: METHOD
Prep Date/Time: 06/14/07 18:30

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1072562003-H
Analyst: AFH

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 11:19
Dilution Factor: 1

Prep Batch: MXX19043
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562003-G
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 1A 5966**
SGS Ref. #: 1072562003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:05
Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	41.5	20.0	6.20	ug/L	5	MMS4904	MXX19044	
Antimony	ND	1.00	0.310	ug/L	5	MMS4917	MXX19044	
Arsenic	16.8	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Barium	4.44	3.00	0.940	ug/L	5	MMS4904	MXX19044	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19044	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19044	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19044	
Copper	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Lead	ND	0.200	0.0620	ug/L	5	MMS4904	MXX19044	
Manganese	3.88	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4904	MXX19044	
Nickel	1.20 J	2.00	0.620	ug/L	5	MMS4904	MXX19044	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19044	
Potassium	267 J	500	150	ug/L	5	MMS4904	MXX19044	
Selenium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19044	
Sodium	1670	500	150	ug/L	5	MMS4904	MXX19044	
Zinc	ND	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Thallium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Tin	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Titanium	31.2	5.00	1.50	ug/L	5	MMS4904	MXX19044	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19044	

Batch Information

Analytical Batch: MMS4904
Analytical Method: EP200.8
Analysis Date/Time: 06/20/07 09:07
Dilution Factor: 5

Prep Batch: MXX19044
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562003-G
Analyst: TK

Analytical Batch: MMS4917
Analytical Method: EP200.8
Analysis Date/Time: 06/25/07 10:46
Dilution Factor: 5

Prep Batch: MXX19044
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562003-G
Analyst: TK



Client Sample ID: **ROCK 1A 5966**
SGS Ref. #: 1072562003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:05
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1453		
Sulfate	13.3	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Chloride	2.20	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Fluoride	0.0640 J	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Suspended Solids	2.10	0.500	0.150	mg/L		STS3020		
Alkalinity	82.0	10.0	3.10	mg/L		WT12804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	111	10.0	3.10	mg/L	1	WAT6376		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 1A 5966**
SGS Ref. #: 1072562003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:05
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3020							Initial Prep Wt./Vol.: 1000 mL	
Analytical Method: SM20 2540D								
Analysis Date/Time: 06/06/07 13:40							Container ID:1072562003-D	
							Analyst: ACF	
Analytical Batch: WAT6376							Initial Prep Wt./Vol.: 80 mL	
Analytical Method: SM20 2540C								
Analysis Date/Time: 06/06/07 12:15							Container ID:1072562003-C	
Dilution Factor: 1							Analyst: ACF	
Analytical Batch: WDA1068						Prep Batch: WXX5913	Initial Prep Wt./Vol.: 50 mL	
Analytical Method: SM20 4500-NH3 F						Prep Method: EXT/4500F1	Prep Extract Vol.: 50 mL	
Analysis Date/Time: 06/10/07 17:45						Prep Date/Time: 06/10/07 09:00	Container ID:1072562003-F	
Dilution Factor: 1							Analyst: AZS	
Analytical Batch: WDA1071						Prep Batch: WXX5928	Initial Prep Wt./Vol.: 6 mL	
Analytical Method: SM20 4500-CN C,E						Prep Method: EXT/CN4500	Prep Extract Vol.: 6 mL	
Analysis Date/Time: 06/13/07 10:34						Prep Date/Time: 06/12/07 09:00	Container ID:1072562003-E	
Dilution Factor: 1							Analyst: HP	
Analytical Batch: WFI1453							Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 06/11/07 17:00							Container ID:1072562003-A	
Dilution Factor: 5							Analyst: TRM	
Analytical Batch: WIC4052						Prep Batch: WXX5915	Initial Prep Wt./Vol.: 10 mL	
Analytical Method: EPA 300.0						Prep Method: H2O/EP300	Prep Extract Vol.: 10 mL	
Analysis Date/Time: 06/12/07 22:01						Prep Date/Time: 06/12/07 10:47	Container ID:1072562003-B	
Dilution Factor: 1							Analyst: JDS	
Analytical Batch: WTI2804							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 06/13/07 09:50							Container ID:1072562003-C	
							Analyst: CLS	



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 1A 5966**
SGS Ref. #: 1072562003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:05
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:12
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562003-E
Analyst: HP



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 1B 5967**
SGS Ref. #: 1072562004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:25
Receipt Date/Time: 06/06/07 08:25

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	30.9	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Mercury	1.64	1.00	0.500	ng/L	1	MCV3647	MXX19055	
Iron	0.0469	0.0200	0.00620	mg/L	1	MIP5301	MXX19043	
Magnesium	5.95	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Strontium	0.0894	0.00500	0.00150	mg/L	1	MIP5301	MXX19043	

Batch Information

Analytical Batch: MCV3647
Analytical Method: EPA 1631 E
Analysis Date/Time: 06/15/07 13:25
Dilution Factor: 1

Prep Batch: MXX19055
Prep Method: METHOD
Prep Date/Time: 06/14/07 18:30

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1072562004-H
Analyst: AFH

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 11:23
Dilution Factor: 1

Prep Batch: MXX19043
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562004-G
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: ROCK 1B 5967
SGS Ref. #: 1072562004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:25
Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.: 50 mL. Contains two rows of batch information for different sample dates.



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 1B 5967**
SGS Ref. #: 1072562004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:25
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Sulfate	15.3	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1453		
Chloride	2.22	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Fluoride	0.0660 J	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Suspended Solids	2.90	0.500	0.150	mg/L		STS3020		
Alkalinity	87.0	10.0	3.10	mg/L		WT12804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	121	10.0	3.10	mg/L	1	WAT6376		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: ROCK 1B 5967
SGS Ref. #: 1072562004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:25
Receipt Date/Time: 06/06/07 08:25

Waters Department

Table with columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Batch Information for various analytical batches (e.g., STS3020, WAT6376, WDA1068, WDA1071, WFI1453, WIC4052, WTI2804) with associated methods, dates, and analysts.



Client Sample ID: **ROCK 1B 5967**
SGS Ref. #: 1072562004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:25
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	0.0049 J	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:12
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562004-E
Analyst: HP



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 2 5968**
SGS Ref. #: 1072562005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:25
Receipt Date/Time: 06/06/07 08:25

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	32.8	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Mercury	1.55	1.00	0.500	ng/L	1	MCV3647	MXX19055	
Iron	0.0606	0.0200	0.00620	mg/L	1	MIP5301	MXX19043	
Magnesium	7.12	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Strontium	0.0997	0.00500	0.00150	mg/L	1	MIP5301	MXX19043	

Batch Information

Analytical Batch: MCV3647
Analytical Method: EPA 1631 E
Analysis Date/Time: 06/15/07 13:33
Dilution Factor: 1

Prep Batch: MXX19055
Prep Method: METHOD
Prep Date/Time: 06/14/07 18:30

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1072562005-H
Analyst: AFH

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 11:27
Dilution Factor: 1

Prep Batch: MXX19043
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562005-G
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 2 5968**
SGS Ref. #: 1072562005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:25
Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	23.7	20.0	6.20	ug/L	5	MMS4904	MXX19044	
Antimony	0.707 J	1.00	0.310	ug/L	5	MMS4917	MXX19044	
Arsenic	69.9	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Barium	3.94	3.00	0.940	ug/L	5	MMS4904	MXX19044	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19044	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19044	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19044	
Copper	0.384 J	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Lead	0.133 J	0.200	0.0620	ug/L	5	MMS4904	MXX19044	
Manganese	7.34	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4904	MXX19044	
Nickel	1.74 J	2.00	0.620	ug/L	5	MMS4904	MXX19044	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19044	
Potassium	351 J	500	150	ug/L	5	MMS4904	MXX19044	
Selenium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19044	
Sodium	2070	500	150	ug/L	5	MMS4904	MXX19044	
Zinc	18.0	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Thallium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Tin	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Titanium	35.2	5.00	1.50	ug/L	5	MMS4904	MXX19044	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19044	

Batch Information

Analytical Batch: MMS4904
Analytical Method: EP200.8
Analysis Date/Time: 06/20/07 09:16
Dilution Factor: 5

Prep Batch: MXX19044
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562005-G
Analyst: TK

Analytical Batch: MMS4917
Analytical Method: EP200.8
Analysis Date/Time: 06/25/07 10:55
Dilution Factor: 5

Prep Batch: MXX19044
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562005-G
Analyst: TK



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 2 5968**
SGS Ref. #: 1072562005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:25
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0740 J	0.100	0.0310	mg/L	5	WFI1453		
Sulfate	22.3	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Chloride	2.59	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Fluoride	0.0680 J	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Suspended Solids	1.10	0.500	0.150	mg/L		STS3020		
Alkalinity	91.0	10.0	3.10	mg/L		WT12804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	133	10.0	3.10	mg/L	1	WAT6376		



Client Sample ID: **ROCK 2 5968**
 SGS Ref. #: 1072562005
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 13:25
 Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3020						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 06/06/07 13:40						Container ID:1072562005-D Analyst: ACF		
Analytical Batch: WAT6376						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 06/06/07 12:15						Container ID:1072562005-C Analyst: ACF		
Dilution Factor: 1								
Analytical Batch: WDA1068						Prep Batch: WXX5913		
Analytical Method: SM20 4500-NH3 F						Prep Method: EXT/4500F1		
Analysis Date/Time: 06/10/07 17:45						Prep Date/Time: 06/10/07 09:00		
Dilution Factor: 1						Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 50 mL Container ID:1072562005-F Analyst: AZS		
Analytical Batch: WDA1071						Prep Batch: WXX5928		
Analytical Method: SM20 4500-CN C,E						Prep Method: EXT/CN4500		
Analysis Date/Time: 06/13/07 10:34						Prep Date/Time: 06/12/07 09:00		
Dilution Factor: 1						Initial Prep Wt./Vol.: 6 mL Prep Extract Vol.: 6 mL Container ID:1072562005-E Analyst: HP		
Analytical Batch: WFI1453						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 06/11/07 17:09						Container ID:1072562005-A Analyst: TRM		
Dilution Factor: 5								
Analytical Batch: WIC4052						Prep Batch: WXX5915		
Analytical Method: EPA 300.0						Prep Method: H2O/EP300		
Analysis Date/Time: 06/12/07 22:39						Prep Date/Time: 06/12/07 10:47		
Dilution Factor: 1						Initial Prep Wt./Vol.: 10 mL Prep Extract Vol.: 10 mL Container ID:1072562005-B Analyst: JDS		
Analytical Batch: WTI2804						Initial Prep Wt./Vol.: 100 mL		
Analytical Method: SM20 2320B								
Analysis Date/Time: 06/13/07 09:50						Container ID:1072562005-C Analyst: CLS		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 2 5968**
SGS Ref. #: 1072562005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:25
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:12
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562005-E
Analyst: HP



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **GLAC 5969**
SGS Ref. #: 1072562006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:10
Receipt Date/Time: 06/06/07 08:25

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	28.1	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Mercury	0.769 J	1.00	0.500	ng/L	1	MCV3647	MXX19055	
Iron	0.00629 J	0.0200	0.00620	mg/L	1	MIP5301	MXX19043	
Magnesium	6.27	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Strontium	0.0837	0.00500	0.00150	mg/L	1	MIP5301	MXX19043	

Batch Information

Analytical Batch: MCV3647
Analytical Method: EPA 1631 E
Analysis Date/Time: 06/15/07 13:40
Dilution Factor: 1

Prep Batch: MXX19055
Prep Method: METHOD
Prep Date/Time: 06/14/07 18:30

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1072562006-H
Analyst: AFH

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 11:30
Dilution Factor: 1

Prep Batch: MXX19043
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562006-G
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: GLAC 5969
SGS Ref. #: 1072562006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:10
Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.: 50 mL. Contains two rows of batch information for different samples.



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **GLAC 5969**
SGS Ref. #: 1072562006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:10
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0865 J	0.100	0.0310	mg/L	5	WFI1453		
Sulfate	14.6	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Chloride	2.48	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Fluoride	0.0630 J	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Suspended Solids	1.10	0.500	0.150	mg/L		STS3020		
Alkalinity	82.0	10.0	3.10	mg/L		WTI2804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	128	10.0	3.10	mg/L	1	WAT6376		



Client Sample ID: **GLAC 5969**
 SGS Ref. #: 1072562006
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 13:10
 Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3020						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 06/06/07 13:40						Container ID:1072562006-D Analyst: ACF		
Analytical Batch: WAT6376						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 06/06/07 12:15						Container ID:1072562006-C Analyst: ACF		
Dilution Factor: 1								
Analytical Batch: WDA1068		Prep Batch: WXX5913		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 06/10/07 17:45		Prep Date/Time: 06/10/07 09:00		Container ID:1072562006-F				
Dilution Factor: 1				Analyst: AZS				
Analytical Batch: WDA1071		Prep Batch: WXX5928		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 06/13/07 11:02		Prep Date/Time: 06/12/07 09:00		Container ID:1072562006-E				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WFI1453						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 06/11/07 17:11						Container ID:1072562006-A Analyst: TRM		
Dilution Factor: 5								
Analytical Batch: WIC4052		Prep Batch: WXX5915		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 06/12/07 22:59		Prep Date/Time: 06/12/07 10:47		Container ID:1072562006-B				
Dilution Factor: 1				Analyst: JDS				
Analytical Batch: WTI2804						Initial Prep Wt./Vol.: 100 mL		
Analytical Method: SM20 2320B								
Analysis Date/Time: 06/13/07 09:50						Container ID:1072562006-C Analyst: CLS		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **GLAC 5969**
SGS Ref. #: 1072562006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:10
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:12
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562006-E
Analyst: HP



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **DUPL 5970**
SGS Ref. #: 1072562007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 00:00
Receipt Date/Time: 06/06/07 08:25

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	28.7	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Mercury	1.31	1.00	0.500	ng/L	1	MCV3647	MXX19055	
Iron	0.0788	0.0200	0.00620	mg/L	1	MIP5301	MXX19043	
Magnesium	5.19	0.100	0.0310	mg/L	1	MIP5301	MXX19043	
Strontium	0.0831	0.00500	0.00150	mg/L	1	MIP5301	MXX19043	

Batch Information

Analytical Batch: MCV3647
Analytical Method: EPA 1631 E
Analysis Date/Time: 06/15/07 14:09
Dilution Factor: 1

Prep Batch: MXX19055
Prep Method: METHOD
Prep Date/Time: 06/14/07 18:30

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1072562007-H
Analyst: AFH

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 11:44
Dilution Factor: 1

Prep Batch: MXX19043
Prep Method: E200.2
Prep Date/Time: 06/13/07 14:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562007-G
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: DUPL 5970
SGS Ref. #: 1072562007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 00:00
Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.: 50 mL. Contains two rows of batch information for different analysis dates.



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **DUPL 5970**
SGS Ref. #: 1072562007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 00:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0400 J	0.100	0.0310	mg/L	5	WFI1453		
Sulfate	13.3	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Chloride	2.21	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Fluoride	0.0630 J	0.100	0.0310	mg/L	1	WIC4052	WXX5915	
Total Suspended Solids	1.00	0.500	0.150	mg/L		STS3020		
Alkalinity	82.0	10.0	3.10	mg/L		WT12804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	119	10.0	3.10	mg/L	1	WAT6376		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **DUPL 5970**
SGS Ref. #: 1072562007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 00:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3020							Initial Prep Wt./Vol.: 1000 mL	
Analytical Method: SM20 2540D								
Analysis Date/Time: 06/06/07 13:40							Container ID:1072562007-D	
							Analyst: ACF	
Analytical Batch: WAT6376							Initial Prep Wt./Vol.: 80 mL	
Analytical Method: SM20 2540C								
Analysis Date/Time: 06/06/07 12:15							Container ID:1072562007-C	
Dilution Factor: 1							Analyst: ACF	
Analytical Batch: WDA1068						Prep Batch: WXX5913	Initial Prep Wt./Vol.: 50 mL	
Analytical Method: SM20 4500-NH3 F						Prep Method: EXT/4500F1	Prep Extract Vol.: 50 mL	
Analysis Date/Time: 06/10/07 17:45						Prep Date/Time: 06/10/07 09:00	Container ID:1072562007-F	
Dilution Factor: 1							Analyst: AZS	
Analytical Batch: WDA1071						Prep Batch: WXX5928	Initial Prep Wt./Vol.: 6 mL	
Analytical Method: SM20 4500-CN C,E						Prep Method: EXT/CN4500	Prep Extract Vol.: 6 mL	
Analysis Date/Time: 06/13/07 11:02						Prep Date/Time: 06/12/07 09:00	Container ID:1072562007-E	
Dilution Factor: 1							Analyst: HP	
Analytical Batch: WFI1453							Initial Prep Wt./Vol.: 5 mL	
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 06/11/07 17:12							Container ID:1072562007-A	
Dilution Factor: 5							Analyst: TRM	
Analytical Batch: WIC4052						Prep Batch: WXX5915	Initial Prep Wt./Vol.: 10 mL	
Analytical Method: EPA 300.0						Prep Method: H2O/EP300	Prep Extract Vol.: 10 mL	
Analysis Date/Time: 06/12/07 23:18						Prep Date/Time: 06/12/07 10:47	Container ID:1072562007-B	
Dilution Factor: 1							Analyst: JDS	
Analytical Batch: WTI2804							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 06/13/07 09:50							Container ID:1072562007-C	
							Analyst: CLS	



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **DUPL 5970**
SGS Ref. #: 1072562007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 00:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:12
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562007-E
Analyst: HP



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: BLNK 5971
SGS Ref. #: 1072562008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 17:00
Receipt Date/Time: 06/06/07 08:25

Metals Department

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Mercury, Iron, Magnesium, and Strontium.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **BLNK 5971**
 SGS Ref. #: 1072562008
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 17:00
 Receipt Date/Time: 06/06/07 08:25

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4904	MXX19044	
Antimony	ND	1.00	0.310	ug/L	5	MMS4917	MXX19044	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Barium	ND	3.00	0.940	ug/L	5	MMS4904	MXX19044	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19044	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19044	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19044	
Copper	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Lead	ND	0.200	0.0620	ug/L	5	MMS4904	MXX19044	
Manganese	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4904	MXX19044	
Nickel	ND	2.00	0.620	ug/L	5	MMS4904	MXX19044	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19044	
Potassium	ND	500	150	ug/L	5	MMS4904	MXX19044	
Selenium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19044	
Sodium	ND	500	150	ug/L	5	MMS4904	MXX19044	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19044	
Zinc	ND	5.00	2.50	ug/L	5	MMS4904	MXX19044	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Thallium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Tin	ND	1.00	0.310	ug/L	5	MMS4904	MXX19044	
Titanium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19044	

Batch Information

Analytical Batch: MMS4904	Prep Batch: MXX19044	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/20/07 09:29	Prep Date/Time: 06/13/07 14:00	Container ID:1072562008-G
Dilution Factor: 5		Analyst: TK
Analytical Batch: MMS4917	Prep Batch: MXX19044	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/25/07 09:29	Prep Date/Time: 06/13/07 14:00	Container ID:1072562008-G
Dilution Factor: 5		Analyst: TK



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **BLNK 5971**
SGS Ref. #: 1072562008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 17:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0345 J	0.100	0.0310	mg/L	5	WFI1453		
Sulfate	ND	0.100	0.0310	mg/L	1	WIC4056	WXX5932	
Chloride	0.156	0.100	0.0310	mg/L	1	WIC4056	WXX5932	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4056	WXX5932	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS3020		
Alkalinity	ND	10.0	3.10	mg/L		WT12804		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1068	WXX5913	
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1071	WXX5928	
Total Dissolved Solids	ND	10.0	3.10	mg/L	1	WAT6376		



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **BLNK 5971**
 SGS Ref. #: 1072562008
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 17:00
 Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3020						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 06/06/07 13:40						Container ID:1072562008-D Analyst: ACF		
Analytical Batch: WAT6376						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 06/06/07 12:15						Container ID:1072562008-C Analyst: ACF		
Dilution Factor: 1								
Analytical Batch: WDA1068		Prep Batch: WXX5913		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 06/10/07 17:45		Prep Date/Time: 06/10/07 09:00		Container ID:1072562008-F				
Dilution Factor: 1				Analyst: AZS				
Analytical Batch: WDA1071		Prep Batch: WXX5928		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 06/13/07 11:02		Prep Date/Time: 06/12/07 09:00		Container ID:1072562008-E				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WFI1453						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 06/11/07 17:14						Container ID:1072562008-A Analyst: TRM		
Dilution Factor: 5								
Analytical Batch: WIC4056		Prep Batch: WXX5932		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 06/19/07 16:04		Prep Date/Time: 06/19/07 12:13		Container ID:1072562008-B				
Dilution Factor: 1				Analyst: JDS				
Analytical Batch: WTI2804						Initial Prep Wt./Vol.: 100 mL		
Analytical Method: SM20 2320B								
Analysis Date/Time: 06/13/07 09:50						Container ID:1072562008-C Analyst: CLS		



Client Sample ID: **BLNK 5971**
SGS Ref. #: 1072562008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 17:00
Receipt Date/Time: 06/06/07 08:25

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1073	WXX5931	

Batch Information

Analytical Batch: WDA1073
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 06/13/07 12:12
Dilution Factor: 1

Prep Batch: WXX5931
Prep Method: EXT/WAD1
Prep Date/Time: 06/12/07 09:00

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1072562008-E
Analyst: HP



Client Sample ID: **SABC 5964**
SGS Ref. #: 1072562009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 11:35
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	26.7	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	0.00861 J	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	0.0992	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	5.67	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:10
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562009-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: SABC 5964
SGS Ref. #: 1072562009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 11:35
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Analytical Batch: MMS4904
Analytical Method: EP200.8
Analysis Date/Time: 06/20/07 06:47
Dilution Factor: 5
Prep Batch: MXX19019
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562009-B
Analyst: TK

Analytical Batch: MMS4917
Analytical Method: EP200.8
Analysis Date/Time: 06/25/07 08:15
Dilution Factor: 5
Prep Batch: MXX19019
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562009-B
Analyst: TK



Client Sample ID: **LIND 5965**
SGS Ref. #: 1072562010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 12:00
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	34.6	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	0.0988	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	6.40	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:14
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562010-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **LIND 5965**
SGS Ref. #: 1072562010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 12:00
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Antimony	ND	1.00	0.310	ug/L	5	MMS4917	MXX19019	
Arsenic	27.1	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Barium	5.58	3.00	0.940	ug/L	5	MMS4904	MXX19019	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19019	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19019	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19019	
Copper	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Lead	ND	0.200	0.0620	ug/L	5	MMS4904	MXX19019	
Manganese	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4904	MXX19019	
Nickel	1.32 J	2.00	0.620	ug/L	5	MMS4904	MXX19019	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19019	
Potassium	318 J	500	150	ug/L	5	MMS4904	MXX19019	
Selenium	1.51 J	5.00	1.50	ug/L	5	MMS4904	MXX19019	
Sodium	2190	500	150	ug/L	5	MMS4904	MXX19019	
Thallium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Zinc	ND	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Tin	0.849 J	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Titanium	32.0	5.00	1.50	ug/L	5	MMS4904	MXX19019	

Batch Information

Analytical Batch: MMS4904
Analytical Method: EP200.8
Analysis Date/Time: 06/20/07 06:52
Dilution Factor: 5

Prep Batch: MXX19019
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562010-B
Analyst: TK

Analytical Batch: MMS4917
Analytical Method: EP200.8
Analysis Date/Time: 06/25/07 08:20
Dilution Factor: 5

Prep Batch: MXX19019
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562010-B
Analyst: TK



Client Sample ID: **ROCK 1A 5966**
SGS Ref. #: 1072562011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:05
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	29.6	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	0.00974 J	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	0.0861	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	5.35	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:17
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562011-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: ROCK 1A 5966
SGS Ref. #: 1072562011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:05
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective values and units.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.: 50 mL. Contains two rows of batch information for different analytical runs.



Client Sample ID: **ROCK 1B 5967**
SGS Ref. #: 1072562012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:25
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	30.7	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	0.00733 J	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	0.0888	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	5.89	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:21
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562012-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: ROCK 1B 5967
SGS Ref. #: 1072562012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 14:25
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective values and units.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.: 50 mL. Contains two rows of batch information for different samples.



Client Sample ID: **ROCK 2 5968**
SGS Ref. #: 1072562013
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:25
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	34.4	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	0.0114 J	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	0.104	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	7.47	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:34
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562013-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **ROCK 2 5968**
 SGS Ref. #: 1072562013
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 13:25
 Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	9.87 J	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Antimony	1.10	1.00	0.310	ug/L	5	MMS4917	MXX19019	
Arsenic	64.7	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Barium	3.87	3.00	0.940	ug/L	5	MMS4904	MXX19019	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19019	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19019	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19019	
Copper	0.350 J	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Lead	0.209	0.200	0.0620	ug/L	5	MMS4904	MXX19019	
Manganese	5.54	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4904	MXX19019	
Nickel	1.57 J	2.00	0.620	ug/L	5	MMS4904	MXX19019	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19019	
Potassium	354 J	500	150	ug/L	5	MMS4904	MXX19019	
Selenium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19019	
Sodium	2070	500	150	ug/L	5	MMS4904	MXX19019	
Thallium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Zinc	12.5	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Tin	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Titanium	33.1	5.00	1.50	ug/L	5	MMS4904	MXX19019	

Batch Information

Analytical Batch: MMS4904	Prep Batch: MXX19019	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/20/07 07:05	Prep Date/Time: 06/11/07 08:10	Container ID:1072562013-B
Dilution Factor: 5		Analyst: TK

Analytical Batch: MMS4917	Prep Batch: MXX19019	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/25/07 08:33	Prep Date/Time: 06/11/07 08:10	Container ID:1072562013-B
Dilution Factor: 5		Analyst: TK



Client Sample ID: **GLAC 5969**
SGS Ref. #: 1072562014
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:10
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	29.9	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	0.0892	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	6.69	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:37
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562014-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **GLAC 5969**
SGS Ref. #: 1072562014
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 13:10
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Antimony	ND	1.00	0.310	ug/L	5	MMS4917	MXX19019	
Arsenic	6.65	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Barium	3.04	3.00	0.940	ug/L	5	MMS4904	MXX19019	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19019	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19019	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19019	
Copper	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Lead	ND	0.200	0.0620	ug/L	5	MMS4904	MXX19019	
Manganese	0.534 J	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4904	MXX19019	
Nickel	1.07 J	2.00	0.620	ug/L	5	MMS4904	MXX19019	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19019	
Potassium	213 J	500	150	ug/L	5	MMS4904	MXX19019	
Selenium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19019	
Sodium	1830	500	150	ug/L	5	MMS4904	MXX19019	
Thallium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Zinc	ND	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Tin	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Titanium	31.2	5.00	1.50	ug/L	5	MMS4904	MXX19019	

Batch Information

Analytical Batch: MMS4904
Analytical Method: EP200.8
Analysis Date/Time: 06/20/07 07:09
Dilution Factor: 5

Prep Batch: MXX19019
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562014-B
Analyst: TK

Analytical Batch: MMS4917
Analytical Method: EP200.8
Analysis Date/Time: 06/25/07 08:37
Dilution Factor: 5

Prep Batch: MXX19019
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562014-B
Analyst: TK



Client Sample ID: **DUPL 5970**
SGS Ref. #: 1072562015
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 00:00
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	31.1	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	0.00947 J	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	0.0905	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	5.60	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:40
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562015-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: **DUPL 5970**
 SGS Ref. #: 1072562015
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 06/04/07 00:00
 Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	8.72 J	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Antimony	0.333 J	1.00	0.310	ug/L	5	MMS4917	MXX19019	
Arsenic	15.0	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Barium	4.65	3.00	0.940	ug/L	5	MMS4904	MXX19019	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4904	MXX19019	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4904	MXX19019	
Chromium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4904	MXX19019	
Copper	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Lead	ND	0.200	0.0620	ug/L	5	MMS4904	MXX19019	
Manganese	1.80	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4904	MXX19019	
Nickel	1.17 J	2.00	0.620	ug/L	5	MMS4904	MXX19019	
Phosphorus	ND	200	62.0	ug/L	5	MMS4904	MXX19019	
Potassium	290 J	500	150	ug/L	5	MMS4904	MXX19019	
Selenium	ND	5.00	1.50	ug/L	5	MMS4904	MXX19019	
Sodium	1810	500	150	ug/L	5	MMS4904	MXX19019	
Thallium	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4904	MXX19019	
Zinc	ND	5.00	2.50	ug/L	5	MMS4904	MXX19019	
Silver	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Tin	ND	1.00	0.310	ug/L	5	MMS4904	MXX19019	
Titanium	27.5	5.00	1.50	ug/L	5	MMS4904	MXX19019	

Batch Information

Analytical Batch: MMS4904	Prep Batch: MXX19019	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/20/07 07:14	Prep Date/Time: 06/11/07 08:10	Container ID:1072562015-B
Dilution Factor: 5		Analyst: TK

Analytical Batch: MMS4917	Prep Batch: MXX19019	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 06/25/07 08:42	Prep Date/Time: 06/11/07 08:10	Container ID:1072562015-B
Dilution Factor: 5		Analyst: TK



Client Sample ID: **BLNK 5971**
SGS Ref. #: 1072562016
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 17:00
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	0.0461 J	0.100	0.0310	mg/L	1	MIP5301	MXX19020	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5301	MXX19020	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5301	MXX19020	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5301	MXX19020	

Batch Information

Analytical Batch: MIP5301
Analytical Method: EP200.7
Analysis Date/Time: 06/18/07 12:45
Dilution Factor: 1

Prep Batch: MXX19020
Prep Method: E200.2
Prep Date/Time: 06/11/07 08:10

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1072562016-B
Analyst: DSH



AK Gold Company

Print Date: 6/26/2007

Client Sample ID: BLNK 5971
SGS Ref. #: 1072562016
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 06/04/07 17:00
Receipt Date/Time: 06/06/07 08:25

Dissolved Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and detection limits.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol.: 50 mL. Contains two rows of batch information for MMS4904 and MMS4917.



**SGS Environmental Services
Alaska Division
Level II Laboratory Data Report**

Project: Rock Creek
Client: AK Gold Company
SGS Work Order: 1076030

Released by:

Contents:

Cover Page
Case Narrative
Final Report Pages
Quality Control Summary Forms
Chain of Custody/Sample Receipt Forms

Note:
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.

Case Narrative

Customer: AKGOLDC **AK Gold Company**
Project: 1076030 **Rock Creek**

Refer to the sample receipt form for information on sample condition.

- 1076030002 PS** **LINB 5973**
4500NH3F - Ammonia - The sample and the sample duplicate RPD do not meet QC goals. The sample and the duplicate are below the MDL.
- 806217 UDUP** **1076030001UDUP**
300.0 - Anions - The duplicate failed for nitrate and total nitrate/nitrite; the difference between the sample and the duplicate was less than the PQL.
- 807374 DUP** **1076030002DUP**
4500NH3F - Ammonia - The sample and the sample duplicate RPD do not meet QC goals. The sample and the duplicate are below the MDL.
- 807376 DUP** **1076055098DUP**
4500NH3F - Ammonia - The sample and the sample duplicate RPD do not meet QC goals. The sample and the duplicate are below the MDL.
- 805938 MB** **MXX/19783]**
1631-Mercury-Mercury was detected in the method blank. Concentration of mercury was below the PQL.



Laboratory Analytical Report

Client: **AK Gold Company**

P.O. Box 640
115 6th Ave West
Nome, AK 997620640

Attn: **Brent Murphy**

T: (907)443-4622 F:(907)443-4661
brent.murphy@novagold.net

Project: **Rock Creek**

Workorder No.: **1076030**

Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Stephen Ede
Stephen.Ede@sgs.com
Technical Director



Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



SAMPLE SUMMARY

Print Date: 11/26/2007

Client Name: AK Gold Company

Project Name: Rock Creek

Workorder No.: 1076030

Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO3 QC	SM20 2320B
Ammonia-N (W) SM4500-F	SM20 4500-NH3 F
Conductivity SM2510B	SM20 2510B
Ion Chromatographic Analysis (W)	EPA 300.0
Low Level Mercury EPA 1631	EPA 1631 E
Metals in Drinking Water by ICP DISSOLVE	EP200.7
Metals in Drinking Water by ICP-MS DISSO	EP200.8
Metals in Water by 200.7 ICP	EP200.7
Metals in Water by 200.8 ICP-MS	EP200.8
Nitrate/Nitrite Flow injection Pres.	SM20 4500NO3-F
pH Analysis	SM20 4500-H B
Total Cyanide SM4500 (W) Kone Lab	SM20 4500-CN C,E
Total Dissolved Solids SM18 2540C	SM20 2540C
Total Suspended Solids SM20 2540D	SM20 2540D
Weak Acid Disassociable Cyanide Kone	SM20 4500-CN I

Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1076030001	SABC 5972
1076030002	LINB 5973
1076030003	ROCK 1A 5974
1076030004	ROCK 1B 5975
1076030005	ROCK 2 5976
1076030006	GLAC 5977
1076030007	DUPL 5978
1076030008	BLNK 5979
1076030009	SABC 5972
1076030010	LINB 5973
1076030011	ROCK 1A 5974
1076030012	ROCK 1B 5975
1076030013	ROCK 2 5976
1076030014	GLAC 5977
1076030015	DUPL 5978
1076030016	BLNK 5979



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **SABC 5972**
SGS Ref. #: 1076030001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:39
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	37.3	0.100	0.0310	mg/L	1	MIP5415	MXX19763	
Iron	0.112	0.0200	0.00620	mg/L	1	MIP5415	MXX19763	
Magnesium	7.62	0.100	0.0310	mg/L	1	MIP5415	MXX19763	
Strontium	0.137	0.00500	0.00150	mg/L	1	MIP5415	MXX19763	
Mercury	ND	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 13:59
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030001-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 15:57
Dilution Factor: 1

Prep Batch: MXX19763
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030001-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **SABC 5972**
SGS Ref. #: 1076030001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:39
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	57.5	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Antimony	0.666 J	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19762	
Barium	9.31	3.00	0.940	ug/L	5	MMS5197	MXX19762	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19762	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19762	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19762	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19762	
Manganese	3.47	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19762	
Nickel	1.44 J	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19762	
Potassium	268 J	500	150	ug/L	5	MMS5197	MXX19762	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Sodium	2110	500	150	ug/L	5	MMS5197	MXX19762	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Titanium	37.5	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Zinc	6.12	5.00	2.50	ug/L	5	MMS5197	MXX19762	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 21:50
Dilution Factor: 5

Prep Batch: MXX19762
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030001-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **SABC 5972**
SGS Ref. #: 1076030001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:39
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	2.75	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	0.0325 J	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	26.7	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	97.0	10.0	3.10	mg/L	1	WTI2899		
Total Suspended Solids	0.444 J	0.556	0.167	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	235	1.00	0.477	umhos/cm		WAT6668		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	7.78	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	116	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **SABC 5972**
SGS Ref. #: 1076030001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:39
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100						Initial Prep Wt./Vol.: 900 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/09/07 13:30						Container ID:1076030001-G		
						Analyst: CLS		
Analytical Batch: WAT6658						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 13:30						Container ID:1076030001-F		
Dilution Factor: 1						Analyst: JDH		
Analytical Batch: WAT6668						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076030001-F		
						Analyst: HP		
Analytical Batch: WDA1199			Prep Batch: WXX6244			Initial Prep Wt./Vol.: 6 mL		
Analytical Method: SM20 4500-CN C,E			Prep Method: EXT/CN4500			Prep Extract Vol.: 6 mL		
Analysis Date/Time: 11/19/07 12:53			Prep Date/Time: 11/13/07 08:00			Container ID:1076030001-C		
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1201			Prep Batch: WXX6249			Initial Prep Wt./Vol.: 6 mL		
Analytical Method: SM20 4500-CN I			Prep Method: EXT/WAD1			Prep Extract Vol.: 6 mL		
Analysis Date/Time: 11/19/07 15:46			Prep Date/Time: 11/13/07 08:00			Container ID:1076030001-C		
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1205			Prep Batch: WXX6258			Initial Prep Wt./Vol.: 50 mL		
Analytical Method: SM20 4500-NH3 F			Prep Method: EXT/4500F1			Prep Extract Vol.: 50 mL		
Analysis Date/Time: 11/21/07 15:33			Prep Date/Time: 11/21/07 09:00			Container ID:1076030001-D		
Dilution Factor: 1						Analyst: TRM		
Analytical Batch: WFI1526						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/09/07 15:42						Container ID:1076030001-B		
Dilution Factor: 5						Analyst: LCP		
Analytical Batch: WIC4126			Prep Batch: WXX6239			Initial Prep Wt./Vol.: 10 mL		
Analytical Method: EPA 300.0			Prep Method: H2O/EP300			Prep Extract Vol.: 10 mL		
Analysis Date/Time: 11/15/07 14:08			Prep Date/Time: 11/15/07 09:44			Container ID:1076030001-A		
Dilution Factor: 1						Analyst: LCP		
Analytical Batch: WPH5296						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076030001-F		
Dilution Factor: 1						Analyst: HP		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **SABC 5972**
SGS Ref. #: 1076030001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:39
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12899							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/15/07 17:18							Container ID:1076030001-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **LINB 5973**
SGS Ref. #: 1076030002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:47
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	46.7	0.200	0.0620	mg/L	2	MIP5415	MXX19763	
Iron	0.0629	0.0400	0.0124	mg/L	2	MIP5415	MXX19763	
Magnesium	10.6	0.200	0.0620	mg/L	2	MIP5415	MXX19763	
Strontium	0.143	0.0100	0.00300	mg/L	2	MIP5415	MXX19763	
Mercury	1.07	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 14:07
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030002-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:03
Dilution Factor: 2

Prep Batch: MXX19763
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030002-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **LINB 5973**
SGS Ref. #: 1076030002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:47
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	25.3	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Antimony	1.68	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Arsenic	39.8	5.00	2.50	ug/L	5	MMS5197	MXX19762	
Barium	7.90	3.00	0.940	ug/L	5	MMS5197	MXX19762	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19762	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19762	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19762	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19762	
Manganese	11.8	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19762	
Nickel	1.83 J	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19762	
Potassium	245 J	500	150	ug/L	5	MMS5197	MXX19762	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Sodium	2050	500	150	ug/L	5	MMS5197	MXX19762	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Titanium	50.2	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19762	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 21:56
Dilution Factor: 5

Prep Batch: MXX19762
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030002-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **LINB 5973**
SGS Ref. #: 1076030002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:47
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	2.33	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	0.0495 J	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	28.9	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	133	10.0	3.10	mg/L	1	WTI2899		
Total Suspended Solids	1.30	0.500	0.150	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	300	1.00	0.477	umhos/cm		WAT6668		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	8.06	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	171	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **LINB 5973**
SGS Ref. #: 1076030002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:47
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/09/07 13:30						Container ID:1076030002-G Analyst: CLS		
Analytical Batch: WAT6658						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 13:30						Container ID:1076030002-F Analyst: JDH		
Dilution Factor: 1								
Analytical Batch: WAT6668						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076030002-F Analyst: HP		
Analytical Batch: WDA1199		Prep Batch: WXX6244		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 13:19		Prep Date/Time: 11/13/07 08:00		Container ID:1076030002-C		Analyst: HP		
Dilution Factor: 1								
Analytical Batch: WDA1201		Prep Batch: WXX6249		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN I		Prep Method: EXT/WAD1		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 16:12		Prep Date/Time: 11/13/07 08:00		Container ID:1076030002-C		Analyst: HP		
Dilution Factor: 1								
Analytical Batch: WDA1205		Prep Batch: WXX6258		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 11/21/07 17:13		Prep Date/Time: 11/21/07 09:00		Container ID:1076030002-D		Analyst: TRM		
Dilution Factor: 1								
Analytical Batch: WFI1526						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/09/07 15:43						Container ID:1076030002-B Analyst: LCP		
Dilution Factor: 5								
Analytical Batch: WIC4126		Prep Batch: WXX6239		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 11/15/07 15:49		Prep Date/Time: 11/15/07 09:44		Container ID:1076030002-A		Analyst: LCP		
Dilution Factor: 1								
Analytical Batch: WPH5296						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076030002-F Analyst: HP		
Dilution Factor: 1								



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **LINB 5973**
SGS Ref. #: 1076030002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:47
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12899							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/15/07 17:28							Container ID:1076030002-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1A 5974**
SGS Ref. #: 1076030003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:10
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	46.4	0.500	0.155	mg/L	5	MIP5415	MXX19763	
Iron	0.230	0.100	0.0310	mg/L	5	MIP5415	MXX19763	
Magnesium	8.18	0.500	0.155	mg/L	5	MIP5415	MXX19763	
Strontium	0.123	0.0250	0.00750	mg/L	5	MIP5415	MXX19763	
Mercury	0.505 J	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 14:14
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030003-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:06
Dilution Factor: 5

Prep Batch: MXX19763
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030003-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1A 5974**
SGS Ref. #: 1076030003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:10
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	131	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Arsenic	25.5	5.00	2.50	ug/L	5	MMS5197	MXX19762	
Barium	9.11	3.00	0.940	ug/L	5	MMS5197	MXX19762	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19762	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19762	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19762	
Copper	0.483 J	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Lead	0.0950 J	0.200	0.0620	ug/L	5	MMS5197	MXX19762	
Manganese	8.58	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19762	
Nickel	1.93 J	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19762	
Potassium	271 J	500	150	ug/L	5	MMS5197	MXX19762	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Sodium	2430	500	150	ug/L	5	MMS5197	MXX19762	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Titanium	51.1	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Zinc	3.62 J	5.00	2.50	ug/L	5	MMS5197	MXX19762	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 22:03
Dilution Factor: 5

Prep Batch: MXX19762
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030003-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1A 5974**
SGS Ref. #: 1076030003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:10
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	2.82	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	0.0410 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	0.0645 J	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	21.4	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	127	10.0	3.10	mg/L	1	WTI2899		
Total Suspended Solids	4.53	0.581	0.174	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	280	1.00	0.477	umhos/cm		WAT6668		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	8.04	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	161	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1A 5974**
SGS Ref. #: 1076030003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:10
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100 Analytical Method: SM20 2540D Analysis Date/Time: 11/09/07 13:30						Initial Prep Wt./Vol.: 860 mL Container ID:1076030003-G Analyst: CLS		
Analytical Batch: WAT6658 Analytical Method: SM20 2540C Analysis Date/Time: 11/13/07 13:30 Dilution Factor: 1						Initial Prep Wt./Vol.: 80 mL Container ID:1076030003-F Analyst: JDH		
Analytical Batch: WAT6668 Analytical Method: SM20 2510B Analysis Date/Time: 11/12/07 14:00						Initial Prep Wt./Vol.: 1 mL Container ID:1076030003-F Analyst: HP		
Analytical Batch: WDA1199 Analytical Method: SM20 4500-CN C,E Analysis Date/Time: 11/19/07 12:53 Dilution Factor: 1		Prep Batch: WXX6244 Prep Method: EXT/CN4500 Prep Date/Time: 11/13/07 08:00		Initial Prep Wt./Vol.: 6 mL Prep Extract Vol.: 6 mL Container ID:1076030003-C Analyst: HP				
Analytical Batch: WDA1201 Analytical Method: SM20 4500-CN I Analysis Date/Time: 11/19/07 15:46 Dilution Factor: 1		Prep Batch: WXX6249 Prep Method: EXT/WAD1 Prep Date/Time: 11/13/07 08:00		Initial Prep Wt./Vol.: 6 mL Prep Extract Vol.: 6 mL Container ID:1076030003-C Analyst: HP				
Analytical Batch: WDA1205 Analytical Method: SM20 4500-NH3 F Analysis Date/Time: 11/21/07 17:13 Dilution Factor: 1		Prep Batch: WXX6258 Prep Method: EXT/4500F1 Prep Date/Time: 11/21/07 09:00		Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 50 mL Container ID:1076030003-D Analyst: TRM				
Analytical Batch: WFI1526 Analytical Method: SM20 4500NO3-F Analysis Date/Time: 11/09/07 15:45 Dilution Factor: 5						Initial Prep Wt./Vol.: 5 mL Container ID:1076030003-B Analyst: LCP		
Analytical Batch: WIC4126 Analytical Method: EPA 300.0 Analysis Date/Time: 11/15/07 16:10 Dilution Factor: 1		Prep Batch: WXX6239 Prep Method: H2O/EP300 Prep Date/Time: 11/15/07 09:44		Initial Prep Wt./Vol.: 10 mL Prep Extract Vol.: 10 mL Container ID:1076030003-A Analyst: LCP				
Analytical Batch: WPH5296 Analytical Method: SM20 4500-H B Analysis Date/Time: 11/12/07 12:00 Dilution Factor: 1						Initial Prep Wt./Vol.: 1 mL Container ID:1076030003-F Analyst: HP		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1A 5974**
SGS Ref. #: 1076030003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:10
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12899							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/15/07 17:38							Container ID:1076030003-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1B 5975**
SGS Ref. #: 1076030004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:45
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	48.1	0.200	0.0620	mg/L	2	MIP5415	MXX19763	
Iron	0.0677	0.0400	0.0124	mg/L	2	MIP5415	MXX19763	
Magnesium	11.5	0.200	0.0620	mg/L	2	MIP5415	MXX19763	
Strontium	0.140	0.0100	0.00300	mg/L	2	MIP5415	MXX19763	
Mercury	1.05	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 14:21
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030004-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:12
Dilution Factor: 2

Prep Batch: MXX19763
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030004-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1B 5975**
SGS Ref. #: 1076030004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:45
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	30.5	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Antimony	1.38	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Arsenic	55.2	5.00	2.50	ug/L	5	MMS5197	MXX19762	
Barium	6.68	3.00	0.940	ug/L	5	MMS5197	MXX19762	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19762	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19762	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19762	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19762	
Manganese	10.7	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19762	
Nickel	1.84 J	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19762	
Potassium	249 J	500	150	ug/L	5	MMS5197	MXX19762	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Sodium	2110	500	150	ug/L	5	MMS5197	MXX19762	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Titanium	56.2	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Zinc	3.32 J	5.00	2.50	ug/L	5	MMS5197	MXX19762	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 22:09
Dilution Factor: 5

Prep Batch: MXX19762
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030004-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1B 5975**
SGS Ref. #: 1076030004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:45
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	2.37	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	0.0505 J	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	31.5	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	136	10.0	3.10	mg/L	1	WTI2899		
Total Suspended Solids	2.21	0.526	0.158	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	310	1.00	0.477	umhos/cm		WAT6668		
Cyanide	0.0017 J	0.0050	0.0015	mg/L	1	WDA1199	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	8.08	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	123	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1B 5975**
SGS Ref. #: 1076030004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:45
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100						Initial Prep Wt./Vol.: 950 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/09/07 13:30						Container ID:1076030004-G		
						Analyst: CLS		
Analytical Batch: WAT6658						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 13:30						Container ID:1076030004-F		
Dilution Factor: 1						Analyst: JDH		
Analytical Batch: WAT6668						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076030004-F		
						Analyst: HP		
Analytical Batch: WDA1199			Prep Batch: WXX6244			Initial Prep Wt./Vol.: 6 mL		
Analytical Method: SM20 4500-CN C,E			Prep Method: EXT/CN4500			Prep Extract Vol.: 6 mL		
Analysis Date/Time: 11/19/07 12:53			Prep Date/Time: 11/13/07 08:00			Container ID:1076030004-C		
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1201			Prep Batch: WXX6249			Initial Prep Wt./Vol.: 6 mL		
Analytical Method: SM20 4500-CN I			Prep Method: EXT/WAD1			Prep Extract Vol.: 6 mL		
Analysis Date/Time: 11/19/07 15:46			Prep Date/Time: 11/13/07 08:00			Container ID:1076030004-C		
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1205			Prep Batch: WXX6258			Initial Prep Wt./Vol.: 50 mL		
Analytical Method: SM20 4500-NH3 F			Prep Method: EXT/4500F1			Prep Extract Vol.: 50 mL		
Analysis Date/Time: 11/21/07 17:13			Prep Date/Time: 11/21/07 09:00			Container ID:1076030004-D		
Dilution Factor: 1						Analyst: TRM		
Analytical Batch: WFI1526						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/09/07 15:46						Container ID:1076030004-B		
Dilution Factor: 5						Analyst: LCP		
Analytical Batch: WIC4126			Prep Batch: WXX6239			Initial Prep Wt./Vol.: 10 mL		
Analytical Method: EPA 300.0			Prep Method: H2O/EP300			Prep Extract Vol.: 10 mL		
Analysis Date/Time: 11/15/07 16:30			Prep Date/Time: 11/15/07 09:44			Container ID:1076030004-A		
Dilution Factor: 1						Analyst: LCP		
Analytical Batch: WPH5296						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076030004-F		
Dilution Factor: 1						Analyst: HP		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1B 5975**
SGS Ref. #: 1076030004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:45
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12899							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/15/07 17:59							Container ID:1076030004-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 2 5976**
SGS Ref. #: 1076030005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:09
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	54.5	0.200	0.0620	mg/L	2	MIP5415	MXX19763	
Iron	0.0572	0.0400	0.0124	mg/L	2	MIP5415	MXX19763	
Magnesium	13.2	0.200	0.0620	mg/L	2	MIP5415	MXX19763	
Strontium	0.154	0.0100	0.00300	mg/L	2	MIP5415	MXX19763	
Mercury	0.580 J	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 14:36
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030005-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:19
Dilution Factor: 2

Prep Batch: MXX19763
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030005-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 2 5976**
SGS Ref. #: 1076030005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:09
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	26.5	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Antimony	1.57	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Arsenic	88.6	5.00	2.50	ug/L	5	MMS5197	MXX19762	
Barium	5.82	3.00	0.940	ug/L	5	MMS5197	MXX19762	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19762	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19762	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19762	
Copper	0.315 J	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19762	
Manganese	10.5	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19762	
Nickel	2.49	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19762	
Potassium	339 J	500	150	ug/L	5	MMS5197	MXX19762	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Sodium	2540	500	150	ug/L	5	MMS5197	MXX19762	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Titanium	55.1	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Zinc	25.8	5.00	2.50	ug/L	5	MMS5197	MXX19762	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 22:16
Dilution Factor: 5

Prep Batch: MXX19762
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030005-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 2 5976**
SGS Ref. #: 1076030005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:09
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	2.94	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	0.0310 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	0.134	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	47.6	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	135	10.0	3.10	mg/L	1	WTI2899		
Total Suspended Solids	0.900	0.500	0.150	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	350	1.00	0.477	umhos/cm		WAT6668		
Cyanide	0.0016 J	0.0050	0.0015	mg/L	1	WDA1199	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	7.92	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	206	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 2 5976**
SGS Ref. #: 1076030005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:09
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/09/07 13:30						Container ID:1076030005-G Analyst: CLS		
Analytical Batch: WAT6658						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 13:30						Container ID:1076030005-F Analyst: JDH		
Dilution Factor: 1								
Analytical Batch: WAT6668						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076030005-F Analyst: HP		
Analytical Batch: WDA1199		Prep Batch: WXX6244		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 12:53		Prep Date/Time: 11/13/07 08:00		Container ID:1076030005-C				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WDA1201		Prep Batch: WXX6249		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN I		Prep Method: EXT/WAD1		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 15:46		Prep Date/Time: 11/13/07 08:00		Container ID:1076030005-C				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WDA1205		Prep Batch: WXX6258		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 11/21/07 17:13		Prep Date/Time: 11/21/07 09:00		Container ID:1076030005-D				
Dilution Factor: 1				Analyst: TRM				
Analytical Batch: WFI1526						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/09/07 15:48						Container ID:1076030005-B Analyst: LCP		
Dilution Factor: 5								
Analytical Batch: WIC4126		Prep Batch: WXX6239		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 11/15/07 16:50		Prep Date/Time: 11/15/07 09:44		Container ID:1076030005-A				
Dilution Factor: 1				Analyst: LCP				
Analytical Batch: WPH5296						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076030005-F Analyst: HP		
Dilution Factor: 1								



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 2 5976**
SGS Ref. #: 1076030005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:09
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12899							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/15/07 18:09							Container ID:1076030005-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **GLAC 5977**
SGS Ref. #: 1076030006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:27
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	39.1	0.100	0.0310	mg/L	1	MIP5415	MXX19763	
Iron	0.0157 J	0.0200	0.00620	mg/L	1	MIP5415	MXX19763	
Magnesium	9.26	0.100	0.0310	mg/L	1	MIP5415	MXX19763	
Strontium	0.109	0.00500	0.00150	mg/L	1	MIP5415	MXX19763	
Mercury	ND	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 14:43
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030006-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:24
Dilution Factor: 1

Prep Batch: MXX19763
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030006-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **GLAC 5977**
SGS Ref. #: 1076030006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:27
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	8.97 J	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Antimony	0.373 J	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Arsenic	4.46 J	5.00	2.50	ug/L	5	MMS5197	MXX19762	
Barium	4.16	3.00	0.940	ug/L	5	MMS5197	MXX19762	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19762	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19762	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19762	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19762	
Manganese	2.16	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19762	
Nickel	1.45 J	2.00	0.620	ug/L	5	MMS5197	MXX19762	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19762	
Potassium	195 J	500	150	ug/L	5	MMS5197	MXX19762	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Sodium	2260	500	150	ug/L	5	MMS5197	MXX19762	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Titanium	40.6	5.00	1.50	ug/L	5	MMS5197	MXX19762	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19762	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19762	
Zinc	4.54 J	5.00	2.50	ug/L	5	MMS5197	MXX19762	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 22:22
Dilution Factor: 5

Prep Batch: MXX19762
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030006-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **GLAC 5977**
SGS Ref. #: 1076030006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:27
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	2.68	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	24.8	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	113	10.0	3.10	mg/L	1	WTI2899		
Total Suspended Solids	ND	1.00	0.300	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	260	1.00	0.477	umhos/cm		WAT6668		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	7.93	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	154	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **GLAC 5977**
 SGS Ref. #: 1076030006
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 11/08/07 12:27
 Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100						Initial Prep Wt./Vol.: 500 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/09/07 13:30						Container ID:1076030006-G Analyst: CLS		
Analytical Batch: WAT6658						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 13:30						Container ID:1076030006-F Analyst: JDH		
Dilution Factor: 1								
Analytical Batch: WAT6668						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076030006-F Analyst: HP		
Analytical Batch: WDA1199		Prep Batch: WXX6244		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 12:53		Prep Date/Time: 11/13/07 08:00		Container ID:1076030006-C		Analyst: HP		
Dilution Factor: 1								
Analytical Batch: WDA1201		Prep Batch: WXX6249		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN I		Prep Method: EXT/WAD1		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 15:46		Prep Date/Time: 11/13/07 08:00		Container ID:1076030006-C		Analyst: HP		
Dilution Factor: 1								
Analytical Batch: WDA1205		Prep Batch: WXX6258		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 11/21/07 17:13		Prep Date/Time: 11/21/07 09:00		Container ID:1076030006-D		Analyst: TRM		
Dilution Factor: 1								
Analytical Batch: WFI1526						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/09/07 15:49						Container ID:1076030006-B Analyst: LCP		
Dilution Factor: 5								
Analytical Batch: WIC4126		Prep Batch: WXX6239		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 11/15/07 17:11		Prep Date/Time: 11/15/07 09:44		Container ID:1076030006-A		Analyst: LCP		
Dilution Factor: 1								
Analytical Batch: WPH5296						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076030006-F Analyst: HP		
Dilution Factor: 1								



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **GLAC 5977**
SGS Ref. #: 1076030006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:27
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12899							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/15/07 18:19							Container ID:1076030006-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **DUPL 5978**
SGS Ref. #: 1076030007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	47.9	0.200	0.0620	mg/L	2	MIP5415	MXX19765	
Iron	0.0597	0.0400	0.0124	mg/L	2	MIP5415	MXX19765	
Magnesium	11.3	0.200	0.0620	mg/L	2	MIP5415	MXX19765	
Strontium	0.138	0.0100	0.00300	mg/L	2	MIP5415	MXX19765	
Mercury	0.908 J	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 14:51
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030007-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:42
Dilution Factor: 2

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030007-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **DUPL 5978**
SGS Ref. #: 1076030007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	24.6	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	1.39	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	55.8	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	6.79	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	0.352 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	9.93	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	1.82 J	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	247 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Sodium	2120	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	50.6	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 19:38
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030007-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **DUPL 5978**
SGS Ref. #: 1076030007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	2.37	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	0.0320 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	0.0510 J	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	31.4	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	134	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	1.00	1.00	0.300	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	310	1.00	0.477	umhos/cm		WAT6668		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	8.13	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	185	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **DUPL 5978**
SGS Ref. #: 1076030007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100 Analytical Method: SM20 2540D Analysis Date/Time: 11/09/07 13:30						Initial Prep Wt./Vol.: 500 mL Container ID:1076030007-G Analyst: CLS		
Analytical Batch: WAT6658 Analytical Method: SM20 2540C Analysis Date/Time: 11/13/07 13:30 Dilution Factor: 1						Initial Prep Wt./Vol.: 80 mL Container ID:1076030007-F Analyst: JDH		
Analytical Batch: WAT6668 Analytical Method: SM20 2510B Analysis Date/Time: 11/12/07 14:00						Initial Prep Wt./Vol.: 1 mL Container ID:1076030007-F Analyst: HP		
Analytical Batch: WDA1199 Analytical Method: SM20 4500-CN C,E Analysis Date/Time: 11/19/07 12:53 Dilution Factor: 1		Prep Batch: WXX6244 Prep Method: EXT/CN4500 Prep Date/Time: 11/13/07 08:00		Initial Prep Wt./Vol.: 6 mL Prep Extract Vol.: 6 mL Container ID:1076030007-C Analyst: HP				
Analytical Batch: WDA1201 Analytical Method: SM20 4500-CN I Analysis Date/Time: 11/19/07 15:46 Dilution Factor: 1		Prep Batch: WXX6249 Prep Method: EXT/WAD1 Prep Date/Time: 11/13/07 08:00		Initial Prep Wt./Vol.: 6 mL Prep Extract Vol.: 6 mL Container ID:1076030007-C Analyst: HP				
Analytical Batch: WDA1205 Analytical Method: SM20 4500-NH3 F Analysis Date/Time: 11/21/07 17:13 Dilution Factor: 1		Prep Batch: WXX6258 Prep Method: EXT/4500F1 Prep Date/Time: 11/21/07 09:00		Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 50 mL Container ID:1076030007-D Analyst: TRM				
Analytical Batch: WFI1526 Analytical Method: SM20 4500NO3-F Analysis Date/Time: 11/09/07 15:51 Dilution Factor: 5						Initial Prep Wt./Vol.: 5 mL Container ID:1076030007-B Analyst: LCP		
Analytical Batch: WIC4126 Analytical Method: EPA 300.0 Analysis Date/Time: 11/15/07 17:31 Dilution Factor: 1		Prep Batch: WXX6239 Prep Method: H2O/EP300 Prep Date/Time: 11/15/07 09:44		Initial Prep Wt./Vol.: 10 mL Prep Extract Vol.: 10 mL Container ID:1076030007-A Analyst: LCP				
Analytical Batch: WPH5296 Analytical Method: SM20 4500-H B Analysis Date/Time: 11/12/07 12:00 Dilution Factor: 1						Initial Prep Wt./Vol.: 1 mL Container ID:1076030007-F Analyst: HP		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **DUPL 5978**
SGS Ref. #: 1076030007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 12:25							Container ID:1076030007-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **BLNK 5979**
SGS Ref. #: 1076030008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Mercury	1.70	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 15:31
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076030008-H
Analyst: AFH

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:51
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030008-E
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **BLNK 5979**
SGS Ref. #: 1076030008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	ND	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	ND	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Sodium	ND	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	0.515 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 20:00
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030008-E
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **BLNK 5979**
SGS Ref. #: 1076030008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	ND	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1526		
Sulfate	0.0710 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	ND	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	0.247 J	0.617	0.185	mg/L		STS3100		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1205	WXX6258	
Conductivity	1.10	1.00	0.477	umhos/cm		WAT6668		
Cyanide	0.0017 J	0.0050	0.0015	mg/L	1	WDA1200	WXX6244	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6249	
pH	6.72	0.100	0.100	pH units	1	WPH5296		
Total Dissolved Solids	ND	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **BLNK 5979**
SGS Ref. #: 1076030008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3100						Initial Prep Wt./Vol.: 810 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/09/07 13:30						Container ID:1076030008-G		
						Analyst: CLS		
Analytical Batch: WAT6658						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 13:30						Container ID:1076030008-F		
Dilution Factor: 1						Analyst: JDH		
Analytical Batch: WAT6668						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076030008-F		
						Analyst: HP		
Analytical Batch: WDA1200			Prep Batch: WXX6244			Initial Prep Wt./Vol.: 6 mL		
Analytical Method: SM20 4500-CN C,E			Prep Method: EXT/CN4500			Prep Extract Vol.: 6 mL		
Analysis Date/Time: 11/19/07 14:10			Prep Date/Time: 11/13/07 08:00			Container ID:1076030008-C		
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1201			Prep Batch: WXX6249			Initial Prep Wt./Vol.: 6 mL		
Analytical Method: SM20 4500-CN I			Prep Method: EXT/WAD1			Prep Extract Vol.: 6 mL		
Analysis Date/Time: 11/19/07 15:46			Prep Date/Time: 11/13/07 08:00			Container ID:1076030008-C		
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1205			Prep Batch: WXX6258			Initial Prep Wt./Vol.: 50 mL		
Analytical Method: SM20 4500-NH3 F			Prep Method: EXT/4500F1			Prep Extract Vol.: 50 mL		
Analysis Date/Time: 11/21/07 17:13			Prep Date/Time: 11/21/07 09:00			Container ID:1076030008-D		
Dilution Factor: 1						Analyst: TRM		
Analytical Batch: WFI1526						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/09/07 15:52						Container ID:1076030008-B		
Dilution Factor: 5						Analyst: LCP		
Analytical Batch: WIC4126			Prep Batch: WXX6239			Initial Prep Wt./Vol.: 10 mL		
Analytical Method: EPA 300.0			Prep Method: H2O/EP300			Prep Extract Vol.: 10 mL		
Analysis Date/Time: 11/15/07 17:51			Prep Date/Time: 11/15/07 09:44			Container ID:1076030008-A		
Dilution Factor: 1						Analyst: LCP		
Analytical Batch: WPH5296						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076030008-F		
Dilution Factor: 1						Analyst: HP		



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **BLNK 5979**
SGS Ref. #: 1076030008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 12:35							Container ID:1076030008-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **SABC 5972**
SGS Ref. #: 1076030009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:39
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	37.3	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	0.141	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	7.81	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 16:59
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030009-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **SABC 5972**
SGS Ref. #: 1076030009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:39
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	0.858 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	9.24	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	0.950 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	1.47 J	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	62.6 J	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	287 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Sodium	2280	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	6.00	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	41.2	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 22:45
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030009-B
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **LINB 5973**
SGS Ref. #: 1076030010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:47
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	46.3	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	0.00824 J	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	0.142	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	10.6	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:04
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030010-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **LINB 5973**
SGS Ref. #: 1076030010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 10:47
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	1.60	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	37.0	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	8.10	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	10.4	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	2.12	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	251 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Sodium	2230	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	2.77 J	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	55.0	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 22:51
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030010-B
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1A 5974**
SGS Ref. #: 1076030011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:10
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	45.0	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	0.00796 J	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	0.122	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	8.27	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:07
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030011-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1A 5974**
SGS Ref. #: 1076030011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:10
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	7.38 J	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	23.1	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	7.77	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	0.358 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	2.38	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	1.92 J	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	286 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Sodium	2650	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	5.88	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	51.6	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 22:58
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030011-B
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1B 5975**
SGS Ref. #: 1076030012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:45
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	47.3	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	0.138	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	11.4	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:10
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030012-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 1B 5975**
SGS Ref. #: 1076030012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 11:45
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	1.27	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	51.7	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	6.58	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	0.317 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	8.17	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	1.76 J	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	269 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Sodium	2260	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	49.4	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 23:04
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030012-B
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 2 5976**
SGS Ref. #: 1076030013
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:09
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	52.2	0.200	0.0620	mg/L	2	MIP5415	MXX19765	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	0.150	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	13.0	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:18
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030013-B
Analyst: NRB

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:21
Dilution Factor: 2

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030013-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **ROCK 2 5976**
SGS Ref. #: 1076030013
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:09
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	1.63	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	90.3	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	5.87	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	0.760 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	9.21	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	2.58	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	62.7 J	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	373 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Sodium	2670	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	24.7	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	61.3	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 23:11
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030013-B
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **GLAC 5977**
SGS Ref. #: 1076030014
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:27
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	38.4	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	0.108	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	9.25	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:24
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030014-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **GLAC 5977**
SGS Ref. #: 1076030014
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 12:27
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	0.444 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	4.84 J	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	4.20	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	1.79	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	1.27 J	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	214 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Sodium	2280	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	47.3	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 23:18
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030014-B
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **DUPL 5978**
SGS Ref. #: 1076030015
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	46.9	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	0.00635 J	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	0.140	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	11.5	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:26
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030015-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **DUPL 5978**
SGS Ref. #: 1076030015
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	1.25	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	51.6	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	6.34	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	0.392 J	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	8.48	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	1.84 J	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	262 J	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Sodium	2190	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	55.6	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 23:24
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030015-B
Analyst: MH



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **BLNK 5979**
SGS Ref. #: 1076030016
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5415	MXX19765	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5415	MXX19765	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5415	MXX19765	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5415	MXX19765	

Batch Information

Analytical Batch: MIP5415
Analytical Method: EP200.7
Analysis Date/Time: 11/15/07 17:29
Dilution Factor: 1

Prep Batch: MXX19765
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030016-B
Analyst: NRB



AK Gold Company

Print Date: 11/26/2007

Client Sample ID: **BLNK 5979**
SGS Ref. #: 1076030016
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/08/07 00:00
Receipt Date/Time: 11/09/07 09:05

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Barium	ND	3.00	0.940	ug/L	5	MMS5197	MXX19764	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19764	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19764	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19764	
Copper	2.17	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19764	
Manganese	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19764	
Nickel	ND	2.00	0.620	ug/L	5	MMS5197	MXX19764	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19764	
Potassium	ND	500	150	ug/L	5	MMS5197	MXX19764	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Sodium	ND	500	150	ug/L	5	MMS5197	MXX19764	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19764	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19764	
Titanium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19764	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19764	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 23:31
Dilution Factor: 5

Prep Batch: MXX19764
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076030016-B
Analyst: MH

Surface Water Monitoring
at Rock Creek

Bonanza Data

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
ANV1																
8006	2/23/2005	#N/A	Accepted					229	0.25	140	69.3	3.12	0.05		0.05	0.05
8034	5/26/2005	#N/A	Accepted			7.30	110	73	0.9	43	3.73	0.845	0.05		0.05	0.05
8046	6/14/2005	#N/A	Accepted			7.70	185	104	0.25	74.5	16.7	2.12	0.05		0.05	0.05
8058	7/11/2005	#N/A	Accepted					170	0.4	123	27.1	2.12	0.042		0.05	0.05
8068	8/8/2005	#N/A	Accepted					208	0.25	145	33	2.7	0.034		0.05	0.05
8080	9/28/2005	#N/A	Accepted					156	0.2	100	23.5	3.33	0.035		0.05	0.05
8085	10/18/2005	#N/A	Accepted					160	0.2	127	31.5	3.34	0.066		0.105	0.05
8097	11/15/2005	#N/A	Accepted					185	0.25		35.9	3.03	0.046		0.05	0.05
8110	12/13/2005	#N/A	Accepted					219	0.4	148	40.1	3.07	0.036		0.05	0.05
8122	1/30/2006	#N/A	Accepted					213	0.5	148	43.2	2.99	0.031		0.139	0.0315
8134	2/13/2006	#N/A	Accepted					208	0.25	146	44.8	3.05	0.044		0.175	0.05
8170	8/31/2006	#N/A	Accepted					206	2.6	140	34.7	2.57	0.046		0.075	0.05
1906	11/2/2006	#N/A	Accepted					118	0.4	136	30.9	3.21	0.05		0.05	0.05
1918	11/8/2006	#N/A	Accepted					170	0.25	130	33.4	3.17	0.05		0.131	0.05
1882	11/14/2006	#N/A	Accepted					146	0.2	134	34.9	3.14	0.05		0.0367	0.05
1927	12/14/2006	#N/A	Accepted					191	0.3	142	36.8	3.25	0.05		0.05	0.05
1943	11/9/2007	1076057	Accepted	7.50		7.72	280	104	0.25	120	29	3.08	0.039		0.0539	0.146
	Minimum			7.5	0.0	7.3	110.0	73.0	0.2	43.0	3.7	0.8	0.0	0.0	0.0	0.0
	Maximum			7.5	0.0	7.7	280.0	229.0	2.6	148.0	69.3	3.3	0.1	0.0	0.2	0.1
	Average			7.5	#DIV/0!	7.6	191.7	168.2	0.5	124.8	33.4	2.8	0.0	#DIV/0!	0.1	0.1
	Median			7.5	#NUM!	7.7	185.0	170.0	0.3	135.0	33.4	3.1	0.0	#NUM!	0.1	0.1
	Count			1	0	3	3	17	17	16	17	17	17	0	17	17

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
ANV1																		
8006	2/23/2005	0.0025	0.0025	212.53	10	4.2	2.5	12	0.2	0.25	59.2	0.5	2	0.5	0.02	0.1	15.7	4.58
8034	5/26/2005	0.0025	0.0025	53.08	6.63	0.5	2.5	3.56	0.2	0.25	16.2	0.5	2	0.5	0.02	0.1	3.06	1.62
8046	6/14/2005	0.0025	0.0025	96.79	10	0.5	2.5	5.87	0.2	0.091	30.2	0.5	2	0.351	0.02	0.1	5.18	1.18
8058	7/11/2005	0.0025	0.0025	149.94	10	0.5	2.5	7.24	0.2	0.25	47.4	0.5	2	12.1	0.02	0.1	7.65	3.91
8068	8/8/2005	0.0025	0.0025	188.92	10	0.5	2.5	10	0.2	0.25	60	0.5	2	0.5	0.0134	0.1	9.47	6.37
8080	9/28/2005	0.0025	0.0025	128.46	10	0.5	2.5	7.53	0.2	0.276	39.2	0.5	2	0.5	0.02	0.1	7.41	1.29
8085	10/18/2005	0.0025	0.0025	166.60	10	0.5	2.5	8.35	0.2	0.25	52.7	0.5	2	0.5	0.02	0.1	8.48	3.08
8097	11/15/2005	0.0025	0.0025	193.20	10	0.5	2.5	9.04	0.2	0.25	61.3	0.5	2	0.5	0.02	0.089	9.72	3.09
8110	12/13/2005	0.0025	0.0025	176.55	10	0.5	1.87	9.25	0.2	0.25	55.2	0.5	2	0.5	0.02	0.1	9.38	2.22
8122	1/30/2006	0.0025	0.0025	197.57	15.6	0.335	2.5	8.32	0.2	0.25	61.6	0.5	2	0.5	0.02	0.07	10.6	1.19
8134	2/13/2006	0.0025	0.0025	196.74	10	0.5	2.08	8.29	0.2	0.25	61.6	0.5	2	0.5	0.02	0.1	10.4	1.25
8170	8/31/2006	0.0025	0.0025	196.64	10	0.5	2.5	10.1	0.2	0.25	63.5	0.5	2	0.5	0.0087	0.1	9.22	3.05
1906	11/2/2006	0.002	0.0025	151.46	10	0.5	2.5	9.1	0.2	0.25	47.2	0.5	2	0.455	0.01	0.1	8.14	1.04
1918	11/8/2006	0.0025	0.0025	160.57	10	0.435	2.5	11	0.2	0.25	50.4	0.5	2	0.839	0.01	0.1	8.41	1.89
1882	11/14/2006	0.0026	0.0025	161.95	20.6	0.395	2.5	10.5	0.2	0.25	51.3	0.5	2	0.353	0.0076	0.1	8.2	2.75
1927	12/14/2006	0.0025	0.002	176.28	10	0.5	2.5	10.3	0.2	0.25	55.7	0.5	2	0.5	0.0105	0.1	9.01	2.63
1943	11/9/2007	0.0025	0.0025	155.92	10	0.382	2.5	10.3	0.2	0.25	48	1	2	0.5	0.0072	0.1	8.74	0.988
Minimum		0.0	0.0	53.1	6.6	0.3	1.9	#REF!	0.2	0.1	16.2	0.5	2.0	0.4	0.0	0.1	3.1	1.0
Maximum		0.0	0.0	212.5	20.6	4.2	2.5	#REF!	0.2	0.3	63.5	1.0	2.0	0.8	0.0	0.1	15.7	6.4
Average		0.0	0.0	162.5	10.8	0.7	2.4	#REF!	0.2	0.2	50.6	0.5	2.0	0.5	0.0	0.1	8.8	2.5
Median		0.0	0.0	166.6	10.0	0.5	2.5	#REF!	0.2	0.3	52.7	0.5	2.0	0.5	0.0	0.1	8.7	2.2
Count		17	17	17	17	17	17	17	17	17	17	17	17	16	17	17	17	17

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
ANV1																			
8006	2/23/2005	0.5	5	1	100	250	2.5		0.5	1760	0.178	0.5	0.5	46.1	10	2.5	10	4.08	2.5
8034	5/26/2005	4.66	5	1	100	209	2.5		0.5	1380	0.0478	0.5	0.5	17.3	10	2.5	10	0.5	2.5
8046	6/14/2005	1.9	5	0.819	100	161	2.5		0.5	1550	0.0901	0.5	0.5	29.5	10	2.5	10	0.5	2.5
8058	7/11/2005	1.2	5	0.933	100	250	2.5		0.5	1690	0.145	0.5	0.5	57.2	10	2.5	10	0.5	2.5
8068	8/8/2005	1.7	5	1.42	100	155	2.5		0.5	2080	0.179	0.5	0.5	64.3	10	2.5	10	0.5	2.5
8080	9/28/2005	0.8	5	1.2	100	183	2.5		0.5	1560	0.113	0.5	0.5	34.1	10	2.5	10	0.5	2.5
8085	10/18/2005	0.6	5	1.08	100	250	2.5		0.5	1720	0.148	0.5	0.5	43.7	10	1.55	10	0.5	2.5
8097	11/15/2005	0.3	5	1.75	100	250	2.5		0.5	1750	0.176	0.5	0.5	48.3	10	1.57	10	0.5	2.5
8110	12/13/2005	0.3	5	0.764	100	250	2.5		0.5	1950	0.162	0.5	0.5	47.7	10	2.5	10	0.5	2.5
8122	1/30/2006	0.3	5	1.83	100	250	2.5		0.5	1740	0.176	0.5	0.5	60.2	10	2.55	10	0.35	2.5
8134	2/13/2006	0.4	5	1.37	100	250	1.5		0.5	1770	0.175	0.5	0.5	48.8	10	2.27	10	0.5	2.5
8170	8/31/2006		5	1.44	100	250	2.5		0.5	2070	0.166	0.5	0.5	76	10	2.83	10	0.5	2.5
1906	11/2/2006		5	1.41	100	166	2.5	2050	0.5	1790	0.128	0.452	0.5	55.8	10	2.5	10	0.5	2.5
1918	11/8/2006		5	1.79	100	179	2.5	2090	0.5	2030	0.146	0.5	0.5	77.3	10	2.5	10	0.347	2.5
1882	11/14/2006		5	1.88	100	230	2.5	2150	0.5	1990	0.15	0.5	0.5	61	10	2.5	10	0.339	2.5
1927	12/14/2006		5	2.18	100	250	2.5	2100	0.5	1970	0.163	0.532	1.26	64	10	2.5	10	0.5	2.5
1943	11/9/2007	1.2	5	1.59	100	154	2.5		0.5	2160	0.144	0.5	0.5	49.2	10	2.5	10	0.5	2.5
	Minimum	0.3	5.0	0.8	100.0	154.0	1.5	2050.0	0.5	1380.0	0.0	0.5	0.5	17.3	10.0	1.6	10.0	0.3	2.5
	Maximum	4.7	5.0	2.2	100.0	250.0	2.5	2150.0	0.5	2160.0	0.2	0.5	1.3	77.3	10.0	2.8	10.0	4.1	2.5
	Average	1.2	5.0	1.4	100.0	216.9	2.4	2097.5	0.5	1821.2	0.1	0.5	0.5	51.8	10.0	2.4	10.0	0.7	2.5
	Median	0.7	5.0	1.4	100.0	250.0	2.5	2095.0	0.5	1770.0	0.2	0.5	0.5	49.2	10.0	2.5	10.0	0.5	2.5
	Count	12	17	17	17	17	17	4	17	17	17	17	17	17	17	17	17	17	17

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
ANV1																			
8006	2/23/2005	11.5	0.2	0.25	57.2	1.62	2	0.5	0.02	0.1	15.3	4.02		5	1	100	250	2.5	
8034	5/26/2005	3.51	0.2	0.25	16.2	0.5	2	0.5	0.02	0.1	3.07	0.5		5	1	100	214	2.5	
8046	6/14/2005	5.25	0.2	0.185	29.9	0.589	2	0.5	0.02	0.1	5.14	0.667		5	0.743	100	175	2.5	
8058	7/11/2005	6.9	0.2	0.25	43.6	0.393	2	0.5	0.0169	0.1	7.28	2.64		5	0.867	100	250	2.5	
8068	8/8/2005	9.84	0.2	0.25	58.1	0.5	2	0.5	0.02	0.1	8.92	4.7		5	1.64	100	250	2.5	
8080	9/28/2005	8.31	0.2	0.25	37.9	0.5	2	0.5	0.02	0.1	7.19	1.03		5	0.963	100	177	2.5	
8085	10/18/2005	7.82	0.2	0.497	51.3	0.5	2	0.5	0.0254	0.1	8.51	2.57		5	1.5	100	159	2.5	
8097	11/15/2005	9.79	0.2	0.25	59.2	0.5	2	0.5	0.02	0.1	9.41	2.28		5	1.13	100	250	2.5	
8110	12/13/2005	9.45	0.2	0.25	56	0.5	2	0.5	0.02	0.1	9.44	1.05		5	0.915	100	250	2.5	
8122	1/30/2006	9.12	0.157	0.25	61.9	0.5	2	0.5	0.02	0.1	10.7	0.5		5	2.35	100	155	2.5	
8134	2/13/2006	9.13	0.2	0.065	60.7	0.5	2	0.5	0.02	0.1	10.3	0.5		5	1.51	100	250	2.5	
8170	8/31/2006	9.71	0.2	0.25	66.2	0.5	2	0.344	0.01	0.1	9.66	1.23		5	2.08	100	167	2.5	
1906	11/2/2006	9.12	0.2	0.25	49	0.5	2	0.5	0.01	0.1	8.52	0.834		5	1.48	100	160	2.5	1990
1918	11/8/2006	10.6	0.2	0.25	50	0.5	2	0.5	0.01	0.1	8.27	1.49		5	1.75	100	166	2.5	2210
1882	11/14/2006	9.45	0.2	0.25	52.2	0.5	2	0.326	0.01	0.1	8.28	1.23		5	1.63	100	203	2.5	2050
1927	12/14/2006	10.4	0.2	0.25	56.3	0.5	2	0.5	0.01	0.1	9.02	2.06		5	1.96	100	159	2.5	2100
1943	11/9/2007	10.5	0.2	0.25	47.3	1	2	0.374	0.01	0.1	8.85	0.477		5	1.56	100	166	2.5	
Minimum		3.5	0.2	0.1	16.2	0.4	2.0	0.3	0.0	0.1	3.1	0.5	0.0	5.0	0.7	100.0	155.0	2.5	1990.0
Maximum		11.5	0.2	0.5	66.2	1.6	2.0	0.5	0.0	0.1	15.3	4.7	0.0	5.0	2.4	100.0	250.0	2.5	2210.0
Average		8.8	0.2	0.2	50.2	0.6	2.0	0.5	0.0	0.1	8.7	1.6	#DIV/0!	5.0	1.4	100.0	200.1	2.5	2087.5
Median		9.5	0.2	0.3	52.2	0.5	2.0	0.5	0.0	0.1	8.9	1.2	#NUM!	5.0	1.5	100.0	177.0	2.5	2075.0
Count		17	17	17	17	17	17	17	17	17	17	17	0	17	17	17	17	17	4

ROCK CREEK BASELINE SURFACE WATER MONITORING Bonanza Data

Sample ID#	Date	Ag-D	Na-D	Sr-D	Ti-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
ANV1												
8006	2/23/2005	0.5	1780	0.173	0.5	0.5	38.8	10	2.5	6.52	4.20	22%
8034	5/26/2005	0.5	1380	0.0479	0.5	0.5	17.8	10	2.5	1.28	1.13	6%
8046	6/14/2005	0.5	1410	0.0871	0.5	0.5	31.5	10	2.5	2.63	1.98	14%
8058	7/11/2005	0.5	1670	0.135	0.5	0.5	53.8	10	2.5	3.93	2.86	16%
8068	8/8/2005	0.5	1980	0.173	0.5	0.5	59.4	10	2.5	4.70	3.73	12%
8080	9/28/2005	0.5	1810	0.11	0.5	0.5	42.5	10	2.5	3.31	2.57	13%
8085	10/18/2005	0.5	1660	0.146	0.5	0.5	28.7	10	5.54	4.27	3.34	12%
8097	11/15/2005	0.5	1720	0.165	0.5	0.5	65.6	10	2.5	1.96	3.81	-32%
8110	12/13/2005	0.5	1980	0.164	0.5	0.5	33.2	10	2.5	5.14	3.67	17%
8122	1/30/2006	0.5	1830	0.177	0.5	0.5	65.3	10	2.5	5.30	4.05	13%
8134	2/13/2006	0.5	1840	0.173	0.5	0.5	49.2	10	9.28	5.34	3.96	15%
8170	8/31/2006	0.5	2050	0.178	0.5	0.5	53.9	10	2.5	4.68	4.19	6%
1906	11/2/2006	0.5	1870	0.135	0.421	0.5	58.1	10	2.5	4.42	3.23	15%
1918	11/8/2006	0.5	1920	0.143	0.5	0.5	73.4	10	2.5	4.43	3.26	15%
1882	11/14/2006	0.5	2060	0.15	0.5	0.5	56.9	10	6.99	4.59	3.38	15%
1927	12/14/2006	0.5	1990	0.162	0.5	0.524	69.1	10	2.5	4.85	3.64	14%
1943	11/9/2007	0.5	2260	0.146	0.5	0.5	43.9	10	2.5	4.22	3.19	14%
Minimum		0.5	1380.0	0.0	0.4	0.5	17.8	10.0	2.5			
Maximum		0.5	2260.0	0.2	0.5	0.5	73.4	10.0	9.3			
Average		0.5	1835.9	0.1	0.5	0.5	49.5	10.0	3.3			
Median		0.5	1840.0	0.2	0.5	0.5	53.8	10.0	2.5			
Count		17	17	17	17	17	17	17	17			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.

ROCK CREEK BASELINE SURFACE WATER MONITORING Bonanza Data

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
ANV2																
8035	5/19/2005	#N/A	Accepted			7.80	210	125	14.1	78	28	2.81	0.05		0.05	0.5
8047	6/14/2005	#N/A	Accepted			7.80	250	150	0.3	92	32.3	2.42	0.043		0.05	0.05
8069	8/8/2005	#N/A	Accepted					214	0.25	128	52	2.92	0.05		0.05	0.05
8081	9/27/2005	#N/A	Accepted					139	0.7	95	32.9	3.77	0.042		0.05	0.0395
8086	10/18/2005	#N/A	Accepted					179	0.4	107	41.7	3.51	0.094		0.101	0.05
8098	11/14/2005	#N/A	Accepted					189	0.9	128	51.2	3.31	0.056		0.05	0.0745
8111	12/12/2005	#N/A	Accepted					203	2.8	134	55.8	3.33	0.048		0.039	0.05
8135	2/15/2006	#N/A	Accepted					214	0.404	146	65.3	3.5	0.056		0.104	0.073
8147	3/22/2006	#N/A	Accepted					226	3.9	139	68	3.33	0.031		0.037	0.05
8159	4/6/2006	#N/A	Accepted					230	2	142	67.5	3.3	0.038		0.05	0.039
8171	8/31/2006	#N/A	Accepted					230	0.2	140	53.9	2.77	0.047		0.05	0.129
1907	11/1/2006	#N/A	Accepted					166	0.3	124	42.5	3.48	0.036		0.0672	0.05
1919	11/8/2006	#N/A	Accepted					194	0.25	128	48.4	3.49	0.037		0.0459	0.05
1883	11/14/2006	#N/A	Accepted					160	0.3	124	49.2	3.39	0.036		0.0329	0.05
1928	12/14/2006	#N/A	Accepted					184	0.25	134	53.1	3.53	0.039		0.05	0.05
1936	3/6/2007	1070914	Accepted	7.25				228	3	138	61.1	3.39	0.038		0.05	0.059
1944	11/9/2007	1076057	Accepted	7.77		7.77	370	219	0.206	135	60.1	3.22	0.047		0.05	0.05
	Minimum			7.3	0.0	7.8	210.0	125.0	0.2	78.0	28.0	2.4	0.0	0.0	0.0	0.0
	Maximum			7.8	0.0	7.8	370.0	230.0	14.1	146.0	68.0	3.8	0.1	0.0	0.1	0.5
	Average			7.5	#DIV/0!	7.8	276.7	191.2	1.8	124.2	50.8	3.3	0.0	#DIV/0!	0.1	0.1
	Median			7.5	#NUM!	7.8	250.0	194.0	0.4	128.0	52.0	3.3	0.0	#NUM!	0.1	0.1
	Count			2	0	3	3	17	17	17	17	17	17	0	17	17

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
ANV2																		
8035	5/19/2005	0.0025	0.0025	104.35	165	2.84	14.1	10.4	0.2	0.25	30	0.5	2	1.3	0.676	0.412	7.14	22.1
8047	6/14/2005	0.0025	0.0025	131.92	12.1	4.13	6.5	9.9	0.2	0.209	38.4	0.5	2	0.567	0.0285	0.1	8.74	12.2
8069	8/8/2005	0.0025	0.0025	191.18	10	4.91	6.55	13	0.2	0.25	55.1	0.5	2	0.5	0.025	0.1	13	15.5
8081	9/27/2005	0.0025	0.0025	135.03	9.23	2.34	8.62	6.99	0.2	0.193	39.2	0.5	2	0.5	0.0293	0.1	9.01	5.84
8086	10/18/2005	0.0025	0.0025	158.39	9.95	2.83	7.06	8.88	0.2	0.25	45.6	0.5	2	0.5	0.0229	0.1	10.8	3.64
8098	11/14/2005	0.0025	0.0025	185.84	10	2.77	6	9.94	0.2	0.25	52.8	0.5	2	0.5	0.0171	0.1	13.1	6.56
8111	12/12/2005	0.0025	0.0025	180.25	6.91	3.46	5.63	10.9	0.2	0.25	50.4	0.5	2	0.5	0.0174	0.1	13.2	4.38
8135	2/15/2006	0.0025	0.0025	214.15	10	4.98	4.96	11.9	0.2	0.25	58.7	0.5	2	0.426	0.02	0.1	16.4	0.822
8147	3/22/2006	0.0025	0.0025	211.46	10	4.69	2.52	12.3	0.2	0.25	59.1	0.5	2	0.432	0.0253	0.063	15.5	4.09
8159	4/6/2006	0.0025	0.0025	206.12	6.71	4.83	5.38	12.4	0.146	0.25	56.8	0.5	2	0.5	0.02	0.1	15.6	1.6
8171	8/31/2006	0.002	0.0025	217.36	10	4.91	5.23	14.1	0.2	0.25	63.6	0.5	2	0.392	0.0084	0.1	14.2	9.24
1907	11/1/2006	0.003	0.0025	158.73	10	2.61	7.44	8.82	0.2	0.25	45.9	0.5	2	0.339	0.009	0.1	10.7	2.21
1919	11/8/2006	0.0025	0.0025	171.41	10	3.68	6.43	9.87	0.2	0.25	49	0.5	2	0.5	0.0179	0.1	11.9	3.78
1883	11/14/2006	0.0025	0.0025	164.28	9.59	3.23	5.51	9.6	0.2	0.25	47.3	0.5	2	0.379	0.0213	0.1	11.2	5.92
1928	12/14/2006	0.0025	0.0025	184.93	9.66	3.16	2.69	11.7	0.2	0.25	52.6	0.5	2	0.5	0.0293	0.1	13	6.51
1936	3/6/2007	0.0025	0.0025	194.52	28.6	5.12	5.8	12.8	0.2	0.25	54.3	0.5	2	0.676	0.091	0.066	14.3	5.47
1944	11/9/2007	0.0025	0.0025	203.72	10	3.83	5.54	11.7	0.2	0.25	58.8	1	2	0.483	0.0074	0.1	13.8	4.69
Minimum		0.0	0.0	104.3	6.7	2.3	2.5	#REF!	0.1	0.2	30.0	0.5	2.0	0.3	0.0	0.1	7.1	0.8
Maximum		0.0	0.0	217.4	165.0	5.1	14.1	#REF!	0.2	0.3	63.6	1.0	2.0	1.3	0.7	0.4	16.4	22.1
Average		0.0	0.0	177.3	19.9	3.8	6.2	#REF!	0.2	0.2	50.4	0.5	2.0	0.5	0.1	0.1	12.4	6.7
Median		0.0	0.0	184.9	10.0	3.7	5.8	#REF!	0.2	0.3	52.6	0.5	2.0	0.5	0.0	0.1	13.0	5.5
Count		17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
ANV2																			
8035	5/19/2005	2.4	5	2.65	100	250	2.5		0.5	1770	0.0886	0.5	0.5	41	10	2.5	10	2.53	2.5
8047	6/14/2005	1	5	1.21	100	302	2.5		0.5	1810	0.116	0.5	0.5	38.5	10	2.5	10	3.95	6.6
8069	8/8/2005	1.2	5	1.56	100	323	2.5		0.5	2270	0.165	0.5	0.5	82.1	10	2.5	10	4.71	5.12
8081	9/27/2005	0.9	5	1.41	100	262	2.5		0.5	1760	0.116	0.5	0.5	29.5	10	2.5	10	2.74	9.04
8086	10/18/2005	0.7	5	1.4	100	201	2.5		0.5	1750	0.131	0.5	0.5	39.4	10	2.5	10	2.62	5.35
8098	11/14/2005	0.4	5	1.38	100	214	2.5		0.5	1890	0.15	0.5	0.5	26.6	10	2.51	10	2.69	5.68
8111	12/12/2005	0.4	5	0.967	100	193	2.5		0.5	2020	0.15	0.5	0.5	25.3	10	2.5	10	3.78	7.73
8135	2/15/2006	0.3	5	1.16	100	319	2.5		0.5	2210	0.179	0.5	0.5	71.2	10	5.16	10	5.39	4.45
8147	3/22/2006	0.5	5	1.69	100	324	2.5		0.5	1980	0.177	0.5	0.5	37.9	10	2.5	10	4.71	2.04
8159	4/6/2006	0.8	5	2.28	100	262	2.5		0.5	2280	0.178	0.5	0.5	56.2	10	1.53	10	5.44	4.63
8171	8/31/2006		5	1.7	100	289	2.5		0.5	2200	0.171	0.5	0.5	75.2	10	2.5	10	5	5.52
1907	11/1/2006		5	1.5	100	244	2.5	2470	0.5	2140	0.127	0.5	0.5	57.6	10	2.5	10	2.85	6.81
1919	11/8/2006		5	1.85	100	262	2.5	2330	0.5	2160	0.144	0.5	0.5	70.7	10	2.5	10	3.76	5.74
1883	11/14/2006		5	1.72	100	317	2.5	2250	0.5	2250	0.14	0.5	0.5	48.8	10	2.5	10	3.47	5.93
1928	12/14/2006		5	2.26	100	254	2.5	2230	0.5	2140	0.156	0.347	0.761	65.3	10	2.5	10	3.61	3.33
1936	3/6/2007	0.5	5	1.44	100	343	2.5	2240	0.5	1990	0.163	0.5	0.5	70.2	10	11.3	10	4.99	3.23
1944	11/9/2007	0.5	5	2.12	100	302	2.5		0.5	2360	0.159	0.5	0.5	58.3	10	2.5	10	4.01	5.44
	Minimum	0.3	5.0	1.0	100.0	193.0	2.5	2230.0	0.5	1750.0	0.1	0.3	0.5	25.3	10.0	1.5	10.0	2.5	2.0
	Maximum	2.4	5.0	2.7	100.0	343.0	2.5	2470.0	0.5	2360.0	0.2	0.5	0.8	82.1	10.0	11.3	10.0	5.4	9.0
	Average	0.8	5.0	1.7	100.0	274.2	2.5	2304.0	0.5	2057.6	0.1	0.5	0.5	52.6	10.0	3.1	10.0	3.9	5.2
	Median	0.6	5.0	1.6	100.0	262.0	2.5	2250.0	0.5	2140.0	0.2	0.5	0.5	56.2	10.0	2.5	10.0	3.8	5.4
	Count	12	17	17	17	17	17	5	17	17	17	17	17	17	17	17	17	17	17

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
ANV2																			
8035	5/19/2005	7.99	0.2	0.25	29.5	0.5	2	0.5	0.02	0.1	7.02	7.26		5	1	100	250	2.5	
8047	6/14/2005	8.06	0.2	0.085	38	0.64	2	0.315	0.02	0.1	8.64	9.53		5	1.12	100	299	2.5	
8069	8/8/2005	12.9	0.2	0.25	53.4	0.5	2	0.5	0.02	0.1	12.3	12.7		5	1.51	100	277	2.5	
8081	9/27/2005	7.7	0.2	0.186	39.1	0.5	2	0.5	0.02	0.072	8.92	4.55		5	1.19	100	304	2.5	
8086	10/18/2005	7.73	0.2	0.456	44.6	0.607	2	0.5	0.02	0.1	10.9	2.51		5	1.41	100	263	2.5	
8098	11/14/2005	9.86	0.2	0.25	53.2	0.5	2	0.5	0.02	0.1	12.7	5.31		5	1.35	100	209	2.5	
8111	12/12/2005	11.5	0.2	0.25	53.4	0.5	2	0.5	0.0292	0.1	13.7	3.24		5	1.14	100	265	2.5	
8135	2/15/2006	12	0.2	0.159	51.1	0.5	2	0.411	0.02	0.071	14.1	0.312		5	1.16	100	313	2.5	
8147	3/22/2006	12.3	0.2	0.124	58.2	0.369	2	0.373	0.02	0.1	15.5	1.31		5	1.98	100	322	2.5	
8159	4/6/2006	13.9	0.2	0.25	58.1	0.5	2	0.449	0.02	0.1	15.7	0.999		3.25	1.24	100	300	2.5	
8171	8/31/2006	13.2	0.2	0.25	65.4	0.5	2	0.561	0.01	0.1	14.7	6.24		5	2.47	100	312	2.5	
1907	11/1/2006	9.17	0.2	0.25	45.1	0.5	2	0.5	0.01	0.1	10.6	2.16		5	1.81	100	267	2.5	2220
1919	11/8/2006	10.6	0.2	0.25	48.6	0.5	2	0.318	0.01	0.1	11.7	3.14		5	1.97	100	274	2.5	2230
1883	11/14/2006	10.7	0.2	0.25	47.2	0.5	2	0.516	0.01	0.1	11.2	4.49		5	1.96	100	339	2.5	2300
1928	12/14/2006	11.2	0.2	0.25	53.3	0.5	2	0.5	0.01	0.1	13.1	4.92		5	1.84	100	272	2.5	2190
1936	3/6/2007	12.1	0.2	0.25	54.7	0.5	2	0.577	0.01	0.1	14.4	3.02		5	1.51	100	315	2.5	2200
1944	11/9/2007	11.8	0.2	0.25	59.1	1	2	0.5	0.01	0.1	14.1	4.5		5	2.09	100	307	2.5	
	Minimum	7.7	0.2	0.1	29.5	0.4	2.0	0.3	0.0	0.1	7.0	0.3	0.0	3.3	1.0	100.0	209.0	2.5	2190.0
	Maximum	13.9	0.2	0.5	65.4	1.0	2.0	0.6	0.0	0.1	15.7	12.7	0.0	5.0	2.5	100.0	339.0	2.5	2300.0
	Average	10.7	0.2	0.2	50.1	0.5	2.0	0.5	0.0	0.1	12.3	4.5	#DIV/0!	4.9	1.6	100.0	287.5	2.5	2228.0
	Median	11.2	0.2	0.3	53.2	0.5	2.0	0.5	0.0	0.1	12.7	4.5	#NUM!	5.0	1.5	100.0	299.0	2.5	2220.0
	Count	17	17	17	17	17	17	17	17	17	17	17	0	17	17	17	17	17	5

ROCK CREEK BASELINE SURFACE WATER MONITORING Bonanza Data

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
ANV2												
8035	5/19/2005	0.5	1830	0.0868	0.5	0.5	37.8	10	2.5	3.35	2.14	22%
8047	6/14/2005	0.5	1630	0.114	0.5	0.5	40.4	10	2.5	3.81	2.69	17%
8069	8/8/2005	0.5	2280	0.16	0.5	0.5	68.5	10	2.5	5.36	3.78	17%
8081	9/27/2005	0.5	2070	0.117	0.5	0.5	47.6	10	1.75	3.71	2.78	14%
8086	10/18/2005	0.5	1980	0.128	0.5	0.5	28.1	10	2.5	4.41	3.22	16%
8098	11/14/2005	0.5	1850	0.152	0.5	0.5	26.6	10	1.78	5.33	3.79	17%
8111	12/12/2005	0.5	2070	0.163	0.5	0.5	30.5	10	2.5	5.69	3.89	19%
8135	2/15/2006	0.5	2290	0.153	0.5	0.962	62	10	8.6	6.43	3.82	26%
8147	3/22/2006	0.5	2020	0.172	0.5	0.5	39.6	10	2.5	6.43	4.28	20%
8159	4/6/2006	0.5	2030	0.178	0.5	0.635	61.1	10	8.23	6.46	4.29	20%
8171	8/31/2006	0.5	2270	0.177	0.5	0.5	42	10	2.5	5.70	4.58	11%
1907	11/1/2006	0.5	2430	0.128	0.5	0.5	61.4	10	2.5	4.79	3.24	19%
1919	11/8/2006	0.5	2290	0.142	0.5	0.5	70.2	10	2.5	5.18	3.50	19%
1883	11/14/2006	0.5	2240	0.139	0.5	0.5	58.1	10	2.5	5.14	3.38	21%
1928	12/14/2006	0.5	2190	0.156	0.5	0.5	61.1	10	2.5	5.55	3.84	18%
1936	3/6/2007	0.5	2110	0.164	0.5	0.5	69.9	10	2.73	6.05	4.02	20%
1944	11/9/2007	0.5	2460	0.161	0.5	0.5	57.7	10	2.5	6.15	4.23	19%
Minimum		0.5	1630.0	0.1	0.5	0.5	26.6	10.0	1.8			
Maximum		0.5	2460.0	0.2	0.5	1.0	70.2	10.0	8.6			
Average		0.5	2120.0	0.1	0.5	0.5	50.7	10.0	3.1			
Median		0.5	2110.0	0.2	0.5	0.5	57.7	10.0	2.5			
Count		17	17	17	17	17	17	17	17			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
ANV3																
8008	2/24/2005	#N/A	Accepted					145	1.5	112	31.8	2.91	0.05		0.05	0.05
8019	3/23/2005	#N/A	Accepted					176	0.7	113	33.5	2.88	0.05		0.05	0.05
8026	4/6/2005	#N/A	Accepted					152	0.25	116	36.6	2.89	0.05		0.05	0.05
8037	5/26/2005	#N/A	Accepted			7.40	110	81	373	42	8	1.77	0.05		0.053	0.04
8049	6/14/2005	#N/A	Accepted			8.00	215	121	1.5	87.5	19	2.51	0.036		0.05	0.12
8061	7/11/2005	#N/A	Accepted					148	3.1	105	25.1	2.56	0.046		0.05	0.05
8071	8/8/2005	#N/A	Accepted					166	1.1	114	29.9	2.9	0.045		0.05	0.05
8083	9/27/2005	#N/A	Accepted					131	23.2	95	26	3.67	0.041		0.075	0.079
8088	10/19/2005	#N/A	Accepted					135	17.7	98	27.5	3.36	0.071		0.123	0.075
8100	11/14/2005	#N/A	Accepted					135	2.4	112	26.5	3.1	0.045		0.05	0.122
8113	12/12/2005	#N/A	Accepted					160	3	106	25.5	3.07	0.036		0.05	0.0555
8137	2/15/2006	#N/A	Accepted					136	4	106	26.3	3.19	0.049		0.128	0.0895
8149	3/23/2006	#N/A	Accepted					149	0.6	108	29.2	2.98	0.05		0.068	0.139
8161	4/6/2006	#N/A	Accepted					143	0.5	112	29.1	2.99	0.05		0.084	0.073
8173	8/31/2006	#N/A	Accepted					200	44.3	120	26.7	2.75	0.053		0.05	0.05
1909	11/1/2006	#N/A	Accepted					129	2.1	116	30.9	3.36	0.032		0.0357	0.05
1921	11/8/2006	#N/A	Accepted					164	2.6	114	29.3	3.25	0.033		0.0488	0.05
1885	11/14/2006	#N/A	Accepted					112	3	116	26.6	3.14	0.05		0.0606	0.05
1929	12/14/2006	#N/A	Accepted					140	1.6	114	26.2	3.42	0.033		0.05	0.0655
1937	3/6/2007	1070914	Accepted	7.25				146	1.1	114	27.6	3.07	0.034		0.05	0.0835
1945	11/9/2007	1076057	Accepted	7.49		7.92	300	105	0.25	119	33.1	3.06	0.045		0.05	0.05
	Minimum			7.3	0.0	7.4	110.0	81.0	0.3	42.0	8.0	1.8	0.0	0.0	0.0	0.0
	Maximum			7.5	0.0	8.0	300.0	200.0	373.0	120.0	36.6	3.7	0.1	0.0	0.1	0.1
	Average			7.4	#DIV/0!	7.8	208.3	141.6	23.2	106.6	27.4	3.0	0.0	#DIV/0!	0.1	0.1
	Median			7.4	#NUM!	7.9	215.0	143.0	2.1	112.0	27.5	3.1	0.0	#NUM!	0.1	0.1
	Count			2	0	3	3	21	21	21	21	21	21	0	21	21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
ANV3																		
8008	2/24/2005	0.0025	0.0025	144.34	10	1.82	2.5	6.99	0.2	0.25	42.2	0.5	2	0.5	0.02	0.1	9.45	1.48
8019	3/23/2005	0.0025	0.0025	141.87	10	1.87	2.5	7.53	0.2	0.25	41	0.5	2	0.5	0.02	0.1	9.58	1.03
8026	4/6/2005	0.0025	0.0025	153.24	10	1.6	2.5	7.4	0.2	0.25	44.2	0.5	2	0.5	0.02	0.1	10.4	0.5
8037	5/26/2005	0.0025	0.0025	65.89	8980	2.55	38.3	70.5	0.327	0.421	16	10.8	7.05	19.1	18.3	8.43	6.3	354
8049	6/14/2005	0.0025	0.0026	109.65	42.9	2.2	2.71	7.81	0.2	0.279	32.5	0.5	2	0.496	0.0556	0.1	6.91	9.17
8061	7/11/2005	0.0025	0.0025	134.15	137	3.46	2.36	10.8	0.189	0.212	39.9	1.67	2	0.456	0.292	0.595	8.37	22.3
8071	8/8/2005	0.0025	0.0025	152.91	7.37	3.11	4.7	10.2	0.2	0.25	45.2	0.5	2	0.5	0.0386	0.1	9.71	9.84
8083	9/27/2005	0.0025	0.0025	125.99	1000	2.42	9.34	34.6	0.2	0.257	36.7	3.41	2	2.13	1.61	0.656	8.33	42.6
8088	10/19/2005	0.0025		132.26	596	2.58	9.71	13.9	0.2	0.182	38.8	5.86	2	1.87	1.3	0.705	8.58	45.8
8100	11/14/2005	0.0025	0.0025	142.18	17.8	1.48	2.59	7.61	0.2	0.25	41.5	0.5	2	0.5	0.0336	0.1	9.35	8.89
8113	12/12/2005	0.0025	0.0025	122.92	14.9	1.45	4.39	7.26	0.2	0.25	35.9	0.5	2	0.5	0.0277	0.1	8.07	12.6
8137	2/15/2006	0.0025	0.0025	136.20	26.6	1.59	3.08	7.95	0.2	0.25	39.8	0.5	2	0.5	0.0395	0.09	8.93	6.02
8149	3/23/2006	0.0025	0.0025	138.74	7.15	1.81	2.5	7.15	0.2	0.25	40.7	0.5	2	0.5	0.0139	0.1	9	1.99
8161	4/6/2006	0.0025	0.0025	140.77	11.8	1.79	3.19	7.66	0.2	0.25	41.3	0.5	2	0.5	0.02	0.1	9.13	9.14
8173	8/31/2006	0.002	0.0025	146.62	2630	2.31	10.2	27	0.2	0.25	42.8	2.34	1.38	5.04	3.44	1.85	9.64	81.7
1909	11/1/2006	0.002	0.0025	144.38	37.2	1.93	4.07	7.8	0.2	0.25	42.1	0.5	2	0.5	0.0745	0.1	9.52	8.83
1921	11/8/2006	0.0025	0.0025	176.68	53.3	2.93	6.4	11.4	0.2	0.25	51.6	0.328	2	0.494	0.0908	0.134	11.6	20.5
1885	11/14/2006	0.0015	0.0015	131.32	212	2.27	2.92	11.1	0.2	0.25	38.8	0.5	2	0.634	0.144	0.158	8.35	20.8
1929	12/14/2006	0.0025	0.002	132.94	45.8	0.921	2.5	8.16	0.2	0.25	39.3	0.5	2	0.5	0.084	0.1	8.44	14.3
1937	3/6/2007	0.0025	0.0025	134.71	18.3	2.04	2.5	7.71	0.2	0.25	39.4	0.5	2	0.5	0.0396	0.1	8.81	6.61
1945	11/9/2007	0.0016	0.0025	159.24	8.69	2.41	3.4	8.41	0.2	0.25	46.6	1	2	0.5	0.0138	0.1	10.4	2.84
	Minimum	0.0	0.0	65.9	7.2	0.9	2.4	#REF!	0.2	0.2	16.0	0.3	1.4	0.5	0.0	0.1	6.3	0.5
	Maximum	0.0	0.0	176.7	8980.0	3.5	38.3	#REF!	0.3	0.4	51.6	10.8	7.1	19.1	18.3	8.4	11.6	354.0
	Average	0.0	0.0	136.5	660.8	2.1	5.8	#REF!	0.2	0.3	39.8	1.5	2.2	1.7	1.2	0.7	9.0	32.4
	Median	0.0	0.0	138.7	26.6	2.0	3.1	#REF!	0.2	0.3	40.7	0.5	2.0	0.5	0.0	0.1	9.0	9.2
	Count	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
ANV3																			
8008	2/24/2005	0.5	5	1	100	250	2.5		0.5	1860	0.12	0.5	0.5	35.4	10	2.5	10	1.89	2.5
8019	3/23/2005	0.5	5	1	100	250	2.5		0.5	1900	0.117	0.5	0.5	25.4	10	2.5	10	1.82	2.5
8026	4/6/2005	0.5	5	1	100	250	2.5		0.5	1890	0.125	0.5	0.5	28	10	2.5	10	1.71	2.5
8037	5/26/2005	23.7	5	16.4	342	976	2.5		0.5	1530	0.0538	0.5	0.5	184	19.5	33.9	18.7	1.16	2.5
8049	6/14/2005	1	5	1.2	100	273	2.5		0.5	1900	0.0987	0.5	0.5	35.9	10	2.5	10	2.25	3.43
8061	7/11/2005	2.6	5	2.08	100	327	1.53		0.5	2230	0.114	0.5	0.535	55.2	10	3.58	10	2.31	4.03
8071	8/8/2005	1.3	5	1.13	100	297	2.5		0.5	2400	0.133	0.5	0.5	63.2	10	2.5	10	3	2.23
8083	9/27/2005	3.6	5	3.15	100	483	2.5		0.5	2050	0.109	0.5	0.5	60.3	10	4.67	16.4	2.14	4.35
8088	10/19/2005	2.9	5	2.93	100	361	2.5		0.5	2080	0.108	0.5	0.901	52.7	10	4.96	8.24	1.86	2.84
8100	11/14/2005	0.9	5	1.25	100	199	2.5		0.5	1960	0.116	0.5	0.5	15.2	10	2.5	10	1.56	2.86
8113	12/12/2005	0.7	5	0.742	100	157	2.5		0.5	2050	0.104	0.5	0.5	17.3	10	2.5	10	1.5	2.62
8137	2/15/2006	0.7	5	0.871	100	248	2.5		0.5	2400	0.114	0.5	0.5	43.6	10	5.94	10	1.61	2.15
8149	3/23/2006	0.3	5	1.27	100	255	2.5		0.5	2000	0.113	0.5	0.5	25	10	3.2	10	1.78	2.56
8161	4/6/2006	0.6	5	1.41	100	174	2.5		0.5	2310	0.117	0.5	0.5	39.8	10	2.5	10	2	1.74
8173	8/31/2006		5	4.56	133	479	2.5		0.5	2510	0.122	0.5	0.5	110	10	14.8	24.8	2.42	2.5
1909	11/1/2006		5	1.51	100	253	2.5	2220	0.5	2130	0.116	0.5	0.5	50.9	10	2.5	10	1.96	3.73
1921	11/8/2006		5	2.22	100	349	2.5	2500	0.5	3100	0.15	0.5	0.5	78.5	10	2.5	10	2.23	2.5
1885	11/14/2006		5	2	100	388	2.5	2430	0.5	2380	0.113	0.5	0.5	61.4	6.41	2.5	10	2.33	3.34
1929	12/14/2006		5	1.65	100	221	2.5	2200	0.5	2220	0.113	0.5	0.416	46.9	10	2.5	11.7	1.42	2.5
1937	3/6/2007	0.5	5	1.05	100	252	2.5	2150	0.5	2070	0.112	0.5	0.5	48.3	10	2.5	10	2.07	2.5
1945	11/9/2007	0.5	5	1.53	100	302	2.5		0.5	2480	0.128	0.5	0.5	45.5	10	2.66	10	2.45	3.03
	Minimum	0.3	5.0	0.7	100.0	157.0	1.5	2150.0	0.5	1530.0	0.1	0.5	0.4	15.2	6.4	2.5	8.2	1.2	1.7
	Maximum	23.7	5.0	16.4	342.0	976.0	2.5	2500.0	0.5	3100.0	0.2	0.5	0.9	184.0	19.5	33.9	24.8	3.0	4.4
	Average	2.6	5.0	2.4	113.1	321.1	2.5	2300.0	0.5	2164.3	0.1	0.5	0.5	53.5	10.3	5.1	11.4	2.0	2.8
	Median	0.7	5.0	1.4	100.0	255.0	2.5	2220.0	0.5	2080.0	0.1	0.5	0.5	46.9	10.0	2.5	10.0	2.0	2.5
	Count	16	21	21	21	21	21	5	21	21	21	21	21	21	21	21	21	21	21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data


Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
ANV3																			
8008	2/24/2005	7.14	0.2	0.25	41.7	1.27	2	0.5	0.02	0.1	9.02	0.5		5	1	100	250	2.5	
8019	3/23/2005	7.65	0.2	0.25	40.3	0.5	2	0.5	0.02	0.1	9.36	0.5		5	1	100	250	2.5	
8026	4/6/2005	8.36	0.2	0.25	42.8	0.5	2	0.5	0.02	0.1	10.2	0.5		5	1	100	250	2.5	
8037	5/26/2005	4.76	0.2	0.25	15.7	0.5	2	0.5	0.02	0.1	3.38	11.2		5	1	100	228	2.5	
8049	6/14/2005	6.31	0.2	0.286	34	0.893	2	0.5	0.02	0.1	6.95	5.34		5	0.868	100	283	2.5	
8061	7/11/2005	7.61	0.2	0.052	35.9	0.313	2	0.5	0.02	0.11	8.25	8.65		5	1	100	260	2.5	
8071	8/8/2005	9.84	0.2	0.25	43.1	0.5	2	0.5	0.02	0.1	9.1	7.11		5	1.16	100	251	2.5	
8083	9/27/2005	7.4	0.2	0.099	36.9	0.5	2	0.5	0.02	0.496	8.26	6.16		5	0.956	100	312	2.5	
8088	10/19/2005	7.09	0.2	0.469	37.1	0.5	2	0.5	0.02	0.1	8.58	6.76		5	1.17	100	265	2.5	
8100	11/14/2005	7.69	0.2	0.25	40.7	0.5	2	0.5	0.02	0.1	8.84	5.86		5	0.953	100	200	2.5	
8113	12/12/2005	7.08	0.2	0.25	38.4	0.5	2	0.5	0.02	0.1	8.48	10.4		5	0.886	100	213	2.5	
8137	2/15/2006	7.14	0.2	0.12	33.8	0.5	2	0.5	0.02	0.08	7.48	1.4		5	0.818	100	250	2.5	
8149	3/23/2006	7.69	0.2	0.25	37.9	0.5	2	0.5	0.02	0.1	8.68	0.914		5	1.31	100	275	2.5	
8161	4/6/2006	8.08	0.2	0.25	40.1	0.5	2	0.5	0.02	0.1	8.87	0.975		5	0.793	100	236	2.5	
8173	8/31/2006	8.22	0.2	0.25	44.6	0.5	2	0.395	0.01	0.1	9.76	8.63		5	1.78	100	277	2.5	
1909	11/1/2006	7.33	0.2	0.25	41.2	0.5	2	0.5	0.01	0.1	9.36	5.7		5	1.32	100	252	2.5	2260
1921	11/8/2006	8.27	0.2	0.25	41.1	0.5	2	0.5	0.01	0.1	9.16	10.8		5	1.71	100	285	2.5	3330
1885	11/14/2006	9.68	0.2	0.25	38.9	0.5	2	0.373	0.01	0.1	8.34	8.17		5	1.71	100	387	2.5	2570
1929	12/14/2006	7.14	0.2	0.25	38.7	0.5	2	0.5	0.01	0.1	8.28	9.94		5	1.28	100	249	2.5	2340
1937	3/6/2007	7.39	0.2	0.25	40.1	0.5	2	0.5	0.01	0.1	8.94	4.77		5	1.06	100	282	2.5	2210
1945	11/9/2007	8.68	0.2	0.25	47.2	1	2	0.5	0.01	0.1	10.5	2.11		5	1.72	100	305	2.5	
	Minimum	4.8	0.2	0.1	15.7	0.3	2.0	0.4	0.0	0.1	3.4	0.5	0.0	5.0	0.8	100.0	200.0	2.5	2210.0
	Maximum	9.8	0.2	0.5	47.2	1.3	2.0	0.5	0.0	0.5	10.5	11.2	0.0	5.0	1.8	100.0	387.0	2.5	3330.0
	Average	7.6	0.2	0.2	38.6	0.6	2.0	0.5	0.0	0.1	8.6	5.5	#DIV/0!	5.0	1.2	100.0	264.8	2.5	2542.0
	Median	7.6	0.2	0.3	40.1	0.5	2.0	0.5	0.0	0.1	8.8	5.9	#NUM!	5.0	1.0	100.0	252.0	2.5	2340.0
	Count	21	21	21	21	21	21	21	21	21	21	21	0	21	21	21	21	21	5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
ANV3												
8008	2/24/2005	0.5	1980	0.116	0.5	0.5	39.7	10	2.5	3.98	2.92	15%
8019	3/23/2005	0.5	1890	0.116	0.5	0.5	29.3	10	2.5	4.09	2.87	17%
8026	4/6/2005	0.5	2040	0.123	0.5	0.5	19.4	10	2.5	4.31	3.07	17%
8037	5/26/2005	0.5	1410	0.0447	0.5	0.5	16.6	10	2.5	1.51	1.13	14%
8049	6/14/2005	0.5	1690	0.0985	0.5	0.5	34.3	10	2.5	3.04	2.35	13%
8061	7/11/2005	0.5	1870	0.111	0.5	0.5	22.2	10	2.5	3.48	2.56	15%
8071	8/8/2005	0.5	2380	0.125	0.5	0.5	58.3	10	2.5	3.92	3.01	13%
8083	9/27/2005	0.5	2230	0.109	0.5	0.5	45.5	10	2.5	3.35	2.63	12%
8088	10/19/2005	0.5	2030	0.106	0.5	0.5	24.6	10	2.5	3.48	2.65	14%
8100	11/14/2005	0.5	1900	0.115	0.5	0.5	16.2	10	1.59	3.71	2.85	13%
8113	12/12/2005	0.5	2160	0.111	0.5	0.5	38.6	10	2.5	3.53	2.72	13%
8137	2/15/2006	0.5	2290	0.0951	0.5	1.16	39.2	10	2.41	3.58	2.41	19%
8149	3/23/2006	0.5	2040	0.109	0.5	0.5	20.7	10	2.69	3.77	2.70	16%
8161	4/6/2006	0.5	1920	0.114	0.5	0.5	41.7	10	2.5	3.84	2.82	15%
8173	8/31/2006	0.5	2370	0.128	0.5	0.5	34.2	10	2.5	3.87	3.14	10%
1909	11/1/2006	0.5	2060	0.115	0.5	0.5	52.4	10	2.5	4.02	2.92	16%
1921	11/8/2006	0.5	2390	0.118	0.5	0.5	58.8	10	2.5	3.89	2.92	14%
1885	11/14/2006	0.5	2340	0.113	0.5	0.5	49.5	10	3.44	3.79	2.74	16%
1929	12/14/2006	0.5	2130	0.11	0.5	0.5	45.6	10	2.5	3.73	2.71	16%
1937	3/6/2007	0.5	2020	0.113	0.5	0.5	44.5	10	2.5	3.80	2.83	15%
1945	11/9/2007	0.5	2550	0.127	0.5	0.5	47.8	10	2.5	4.41	3.34	14%
Minimum		0.5	1410.0	0.0	0.5	0.5	16.2	10.0	1.6			
Maximum		0.5	2550.0	0.1	0.5	1.2	58.8	10.0	3.4			
Average		0.5	2080.5	0.1	0.5	0.5	37.1	10.0	2.5			
Median		0.5	2040.0	0.1	0.5	0.5	39.2	10.0	2.5			
Count		21	21	21	21	21	21	21	21			

Highlighting Legend for Data columns

 Highlights datapoints to be excluded from analyses due to unexplained contamination.

 Possibly suspect data, but could be explained by analytical error or sample variability.

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1
ANV4															
8009	2/24/2005	#N/A	Accepted					162	0.25	115	38.7	3.03	0.05		0.05
8020	3/23/2005	#N/A	Accepted					186	0.25	116	39.4	2.98	0.05		0.05
8027	4/6/2005	#N/A	Accepted					178	0.25	116	39.8	2.97	0.05		0.05
8038	5/19/2005	#N/A	Accepted			7.80	205	125	6.6	78.5	22.6	2.9	0.05		0.05
8050	6/14/2005	#N/A	Accepted			8.10	225	138	1.4	91.5	21.6	2.55	0.039		0.05
8062	7/11/2005	#N/A	Accepted					156	0.8	106	26.1	2.61	0.048		0.05
8072	8/8/2005	#N/A	Accepted					171	0.7	119	31.1	2.89	0.044		0.05
8084	9/28/2005	#N/A	Accepted					150	5.9	96	25.2	3.56	0.041		0.05
8089	10/19/2005	#N/A	Accepted					141	15	96	26.9	3.41	0.068		0.103
8102	11/14/2005	#N/A	Accepted					144	7.6	109	28.7	3.16	0.049		0.05
8114	12/12/2005	#N/A	Accepted					163	0.7	108	30.1	3.22	0.043		0
8138	2/15/2006	#N/A	Accepted					166	1.7	112	32.8	3.33	0.061		0.241
8150	3/23/2006	#N/A	Accepted					147	0.25	116	35.1	3.14	0.05		0.071
8162	4/6/2006	#N/A	Accepted					177	0.6	114	35.3	3.12	0.035		0.206
8174	8/31/2006	#N/A	Accepted					168	3.8	120	28.6	2.77	0.056		0.05
1910	11/1/2006	#N/A	Accepted					120	2	116	31.2	3.39	0.034		0.0397
1922	11/8/2006	#N/A	Accepted					148	3.8	110	31.7	3.3	0.034		0.0508
1886	11/14/2006	#N/A	Accepted					135	1.2	108	29.3	3.21	0.034		0.05
1930	12/14/2006	#N/A	Accepted					144	0.9	110	29.8	3.33	0.036		0.05
1938	3/6/2007	1070914	Accepted	7.25				160	0.25	110	32.3	3.16	0.036		0.05
1946	11/9/2007	1076057	Accepted	7.47		7.99	285	176	6.15	116	34	3.11	0.044		0.05
	Minimum			7.3	0.0	7.8	205.0	120.0	0.3	78.5	21.6	2.6	0.0	0.0	0.0
	Maximum			7.5	0.0	8.1	285.0	186.0	15.0	120.0	39.8	3.6	0.1	0.0	0.2
	Average			7.4	#DIV/0!	8.0	238.3	155.0	2.9	108.7	31.0	3.1	0.0	#DIV/0!	0.1
	Median			7.4	#NUM!	8.0	225.0	156.0	1.2	110.0	31.1	3.1	0.0	#NUM!	0.1
	Count			2	0	3	3	21	21	21	21	21	21	0	21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	NO3+NO2	CN-T	CN-WAD	Calc.	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T
					Hardness												
Units		mg/L	mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.1	0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2
ANV4																	
8009	2/24/2005	0.05	0.0025	0.0025	155.30	10	1.3	2.5	7.75	0.2	0.25	44.2	0.5	2	0.5	0.02	0.1
8020	3/23/2005	0.13	0.0025	0.0025	151.55	10	1.2	2.5	7.81	0.2	0.25	42.7	0.5	2	0.5	0.02	0.1
8027	4/6/2005	0.05	0.0025	0.0025	157.69	10	1.02	2.5	7.75	0.2	0.25	44.5	0.5	2	0.5	0.02	0.1
8038	5/19/2005	0.5	0.0025	0.0025	101.14	160	1.77	6.28	8.78	0.2	0.25	28.8	0.5	2	0.5	0.359	0.21
8050	6/14/2005	0.05	0.0025	0.0025	117.86	39.3	1.96	2.79	7.97	0.2	0.184	34.6	0.5	2	0.744	0.0495	0.066
8062	7/11/2005	0.05	0.0025	0.0025	132.49	16.9	2.09	1.93	7.38	0.2	0.25	38.2	0.512	2	0.479	0.0444	0.1
8072	8/8/2005	0.05	0.0025	0.0025	156.49	10	2.48	2.77	9.77	0.2	0.25	45.5	0.5	2	0.5	0.0493	0.1
8084	9/28/2005	0.0685	0.0025	0.0025	125.69	62.5	1.5	3.79	8.35	0.2	0.264	36.4	0.5	2	0.5	0.117	0.1
8089	10/19/2005	0.0935	0.0025		124.14	419	1.99	4.51	11.7	0.2	0.25	35.7	0.52	2	1.4	0.892	0.478
8102	11/14/2005	0.05	0.0025	0.0025	142.07	32.8	1.17	3.46	8.07	0.2	0.25	40.8	0.5	2	0.5	0.0609	0.1
8114	12/12/2005	0.0435	0.0025	0.0025	129.90	10	1.17	2.62	7.48	0.2	0.25	37.1	0.5	2	0.5	0.0164	0.1
8138	2/15/2006	0.114	0.0025	0.0025	143.51	215	1.12	3.35	8.12	0.2	0.25	40.8	0.5	2	0.5	0.0238	0.1
8150	3/23/2006	0.05	0.0025	0.0025	148.33	10	1.24	2.5	7.68	0.2	0.25	42.4	0.352	2	0.5	0.02	0.1
8162	4/6/2006	0.094	0.0025	0.0025	150.16	10	1.2	2.43	8.02	0.2	0.25	42.8	0.5	2	0.5	0.02	0.1
8174	8/31/2006	0.05	0.002	0.0025	150.81	59.2	1.65	2.5	10.1	0.2	0.25	43.9	0.5	2	0.429	0.128	0.1
1910	11/1/2006	0.05	0.003	0.0025	138.18	23.9	1.46	2.99	7.99	0.2	0.25	39.9	0.5	2	0.5	0.0579	0.1
1922	11/8/2006	0.05	0.0025	0.0025	139.75	37	1.81	2.5	10.1	0.2	0.25	40.1	0.5	2	0.482	0.0702	0.092
1886	11/14/2006	0.05	0.0025	0.0028	131.96	75	1.68	2.5	10	0.2	0.25	38.2	0.5	2	0.451	0.0672	0.084
1930	12/14/2006	0.103	0.002	0.003	139.72	29.6	1.41	2.5	8.49	0.2	0.25	40.5	0.5	2	0.5	0.0563	0.1
1938	3/6/2007	0.061	0.0025	0.0025	140.36	6.3	1.4	2.5	18.9	0.2	0.25	40	0.5	2	0.514	0.014	0.1
1946	11/9/2007	0.05	0.0016	0.0025	158.32	97.5	1.83	3.07	9.68	0.2	0.25	45.9	1	2	0.348	0.197	0.1
	Minimum	0.0	0.0	0.0	101.1	6.3	1.0	1.9	7.4	0.2	0.2	28.8	0.4	2.0	0.3	0.0	0.1
	Maximum	0.5	0.0	0.0	158.3	419.0	2.5	6.3	18.9	0.2	0.3	45.9	1.0	2.0	1.4	0.9	0.5
	Average	0.1	0.0	0.0	139.8	64.0	1.5	3.0	9.6	0.2	0.2	40.1	0.5	2.0	0.5	0.1	0.1
	Median	0.1	0.0	0.0	140.4	29.6	1.5	2.5	8.6	0.2	0.3	40.5	0.5	2.0	0.5	0.0	0.1
	Count	21	21	20	21	21	21	21	20	21	21	21	21	21	21	21	21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Mg-T	Mn-T	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T
Units		mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		0.1	1	1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5
ANV4																		
8009	2/24/2005	10.9	6.34	0.5	5	1	100	250	2.5		0.5	2090	0.123	0.5	0.5	39.6	10	2.5
8020	3/23/2005	10.9	5.1	0.5	5	1	100	250	2.5		0.5	2130	0.119	0.5	0.5	28.5	10	2.5
8027	4/6/2005	11.3	4.2	0.5	5	1	100	250	2.5		0.5	2120	0.121	0.5	0.5	30.7	10	2.5
8038	5/19/2005	7.09	17.8	1.8	5	1	100	250	2.5		0.5	2130	0.0834	0.5	0.5	38.2	10	2.5
8050	6/14/2005	7.63	7.16	0.9	5	1.07	100	265	2.5		0.5	1970	0.1	0.5	0.5	34.1	10	2.5
8062	7/11/2005	9	12.2	0.7	5	0.978	100	249	2.5		0.5	1940	0.114	0.5	0.5	45.5	10	2.5
8072	8/8/2005	10.4	9.33	1.6	5	1.12	100	310	2.5		0.5	2540	0.132	0.5	0.5	64.3	10	2.5
8084	9/28/2005	8.44	16.4	2.1	5	1.36	100	258	2.5		0.5	1850	0.105	0.5	0.5	26.8	10	2.5
8089	10/19/2005	8.49	33.8	22.3	5	2.5	100	307	2.5		0.5	2160	0.102	0.5	0.5	43.9	10	4.38
8102	11/14/2005	9.75	16.3	2.9	5	1.28	100	203	2.5		0.5	2010	0.112	0.5	0.5	16.7	10	2.5
8114	12/12/2005	9.04	12.4	0.6	5	0.735	100	164	2.5		0.5	2130	0.106	0.5	0.5	20.1	10	2.5
8138	2/15/2006	10.1	10.8	0.8	5	0.918	100	261	2.5		0.5	2380	0.114	0.5	0.5	40.1	10	8.27
8150	3/23/2006	10.3	4.03	0.5	5	1.28	100	252	2.5		0.5	2130	0.115	0.5	0.5	26.2	10	2.5
8162	4/6/2006	10.5	3.94	0.4	5	1.65	100	174	2.5		0.5	2540	0.118	0.5	0.5	33	10	2.5
8174	8/31/2006	9.99	18.3		5	1.27	100	247	2.5		0.5	2280	0.123	0.5	0.5	59.9	10	3.08
1910	11/1/2006	9.35	10.7		5	1.53	100	253	2.5	2360	0.5	2200	0.109	0.5	0.5	47.9	10	2.5
1922	11/8/2006	9.61	17.2		5	1.8	100	331	2.5	2720	0.5	2650	0.112	0.5	0.5	62.8	10	2.5
1886	11/14/2006	8.87	15.3		5	1.71	100	394	2.5	2470	0.5	2380	0.108	0.5	0.5	49.6	10	2.5
1930	12/14/2006	9.36	13.6		5	1.6	100	248	2.5	2240	0.5	2400	0.115	0.5	0.5	50.8	10	2.5
1938	3/6/2007	9.82	7.07		5	1.07	100	284	2.5	2320	0.5	2220	0.111	0.5	0.5	51.5	10	2.5
1946	11/9/2007	10.6	25		5	1.7	100	309	2.5		0.5	2670	0.123	0.5	0.5	47	10	2.5
	Minimum	7.1	3.9	0.4	5.0	0.7	100.0	164.0	2.5	2240.0	0.5	1850.0	0.1	0.5	0.5	16.7	10.0	2.5
	Maximum	11.3	33.8	22.3	5.0	2.5	100.0	394.0	2.5	2720.0	0.5	2670.0	0.1	0.5	0.5	64.3	10.0	8.3
	Average	9.6	12.7	2.6	5.0	1.3	100.0	262.3	2.5	2422.0	0.5	2234.3	0.1	0.5	0.5	40.8	10.0	2.9
	Median	9.8	12.2	0.8	5.0	1.3	100.0	252.0	2.5	2360.0	0.5	2160.0	0.1	0.5	0.5	40.1	10.0	2.5
	Count	21	21	14	21	21	21	21	21	5	21	21	21	21	21	21	21	21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Al-D	Sb-D	As-D	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L
Detection Limits (PQL)		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2
ANV4																		
8009	2/24/2005	26	1.26	2.5	7.71	0.2	0.25	43.3	1.03	2	0.5	0.02	0.1	10.6	6.04		5	1
8020	3/23/2005	10	1.15	2.5	7.94	0.2	0.25	41.2	0.5	2	0.5	0.02	0.1	10.5	4.7		5	1
8027	4/6/2005	10	1.11	2.5	7.87	0.2	0.25	42.7	0.5	2	0.5	0.02	0.1	11	3.78		5	1
8038	5/19/2005	10	1.7	2.5	6.94	0.2	0.25	27.9	0.5	2	0.5	0.02	0.1	6.87	7.58		5	1
8050	6/14/2005	10	1.99	2.91	6.91	0.2	0.199	35	0.992	2	0.5	0.02	0.1	7.68	4.83		5	0.92
8062	7/11/2005	10	1.92	3.02	7.84	0.2	0.25	36.3	0.47	2	0.5	0.02	0.1	8.77	8.92		5	1
8072	8/8/2005	10	2.24	1.99	9.55	0.2	0.25	43.8	0.5	2	0.5	0.02	0.1	9.8	6.8		5	1.13
8084	9/28/2005	10	1.59	4.36	7.8	0.2	0.25	35.6	0.5	2	0.5	0.02	0.1	8.3	6.81		5	1.02
8089	10/19/2005	10	1.53	2.5	6.89	0.2	0.587	35.7	0.637	2	0.5	0.02	0.1	8.53	8.85		5	1.31
8102	11/14/2005	10	1.18	2.44	7.39	0.2	0.25	40.2	0.5	2	0.5	0.02	0.1	9.31	8.57		5	1.04
8114	12/12/2005	10	1.18	3.04	8.03	0.2	0.25	39.4	0.5	2	0.5	0.02	0.1	9.4	12.1		5	0.945
8138	2/15/2006	10	1.14	1.86	7.41	0.2	0.078	35.8	0.5	2	0.5	0.02	0.1	8.77	5.95		5	0.947
8150	3/23/2006	10	1.14	2.87	7.59	0.2	0.25	40	0.5	2	0.5	0.02	0.1	10.1	3.63		5	1.24
8162	4/6/2006	10	1.32	2.5	8.36	0.2	0.25	42.5	0.5	2	0.5	0.02	0.1	10.4	3.07		5	0.847
8174	8/31/2006	11.5	1.87	2.5	9.1	0.686	0.25	45.9	0.5	2	0.4	0.01	0.1	10.5	12.3		5	1.8
1910	11/1/2006	10	1.42	2.97	7.56	0.2	0.25	39.2	0.5	2	0.5	0.01	0.1	9.24	6.46		5	1.48
1922	11/8/2006	10	1.82	2.5	9.34	0.2	0.25	41.1	0.5	2	0.323	0.01	0.1	9.84	10.4		5	1.77
1886	11/14/2006	10	1.53	2.5	9.47	0.2	0.25	38.1	0.5	2	0.5	0.01	0.1	8.89	3.65		5	1.57
1930	12/14/2006	10	1.37	2.5	7.92	0.2	0.25	38.4	0.5	2	0.5	0.01	0.1	8.85	10.5		5	1.24
1938	3/6/2007	10	1.39	2.5	7.72	0.2	0.25	40.9	0.5	2	0.5	0.01	0.1	10	6.42		5	1.14
1946	11/9/2007	10	1.9	2.52	8.73	0.2	0.25	46.9	1	2	0.5	0.01	0.1	10.7	7.8		5	1.6
	Minimum	10.0	1.1	1.9	6.9	0.2	0.1	27.9	0.5	2.0	0.3	0.0	0.1	6.9	3.1	0.0	5.0	0.8
	Maximum	26.0	2.2	4.4	9.6	0.7	0.6	46.9	1.0	2.0	0.5	0.0	0.1	11.0	12.3	0.0	5.0	1.8
	Average	10.8	1.5	2.6	8.0	0.2	0.3	39.5	0.6	2.0	0.5	0.0	0.1	9.4	7.1	#DIV/0!	5.0	1.2
	Median	10.0	1.4	2.5	7.8	0.2	0.3	40.0	0.5	2.0	0.5	0.0	0.1	9.4	6.8	#NUM!	5.0	1.0
	Count	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	21

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	P-D	K-D	Se-D	Si-D	Ag-D	Na-D	Sr-D	TI-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		200	500	5	200	1	500	0.005	1	1	5	20	5			
ANV4																
8009	2/24/2005	100	250	2.5		0.5	2120	0.12	0.5	0.5	40.4	10	2.5	4.40	3.14	17%
8020	3/23/2005	100	250	2.5		0.5	2020	0.115	0.5	0.5	30.5	10	2.5	4.47	3.02	19%
8027	4/6/2005	100	250	2.5		0.5	2120	0.119	0.5	0.5	23.1	10	2.5	4.48	3.14	18%
8038	5/19/2005	100	250	2.5		0.5	2010	0.0794	0.5	0.5	32.6	10	2.5	3.08	2.05	20%
8050	6/14/2005	100	295	2.5		0.5	1820	0.1	0.5	0.5	39.9	10	2.5	3.25	2.47	14%
8062	7/11/2005	100	279	2.5		0.5	1980	0.111	0.5	0.5	27	10	2.5	3.55	2.63	15%
8072	8/8/2005	100	276	2.5		0.5	2420	0.125	0.5	0.5	57.2	10	2.5	4.08	3.11	14%
8084	9/28/2005	100	265	2.5		0.5	2230	0.103	0.5	0.5	39.9	10	3.1	3.33	2.57	13%
8089	10/19/2005	100	255	2.5		0.5	2100	0.1	0.5	0.5	25.8	10	2.5	3.41	2.58	14%
8102	11/14/2005	100	192	2.5		0.5	1980	0.112	0.5	0.5	14.4	10	2.5	3.76	2.86	14%
8114	12/12/2005	100	240	2.5		0.5	2370	0.112	0.5	0.5	21.6	10	2.5	3.81	2.85	14%
8138	2/15/2006	100	254	2.5		0.5	2460	0.0986	0.5	0.438	43.1	10	5.18	4.04	2.62	21%
8150	3/23/2006	100	250	2.5		0.5	2180	0.112	0.5	0.5	21.7	6.55	2.5	4.24	2.93	18%
8162	4/6/2006	100	223	2.5		0.5	2340	0.118	0.5	0.5	45.7	10	2.5	4.21	3.09	15%
8174	8/31/2006	100	289	2.5		0.5	2350	0.131	0.5	0.5	38.4	10	2.64	3.97	3.27	10%
1910	11/1/2006	100	256	2.5	2280	0.5	2310	0.108	0.5	0.5	48.7	10	2.5	4.04	2.82	18%
1922	11/8/2006	100	322	2.5	2790	0.5	2640	0.114	0.5	0.5	64	10	2.5	3.94	2.99	14%
1886	11/14/2006	100	371	2.5	2490	0.5	2410	0.108	0.5	0.5	43.9	10	5.89	3.77	2.75	16%
1930	12/14/2006	100	238	2.5	2490	0.5	2220	0.108	0.5	0.5	45.4	10	2.5	3.85	2.75	17%
1938	3/6/2007	100	298	4.41	2270	0.5	2280	0.113	0.5	0.5	46.7	7.01	2.5	3.97	2.97	14%
1946	11/9/2007	100	291	2.5		0.5	2570	0.123	0.5	0.5	46.8	10	2.5	4.40	3.34	14%
Minimum		100.0	192.0	2.5	2270.0	0.5	1820.0	0.1	0.5	0.4	14.4	6.6	2.5			
Maximum		100.0	371.0	4.4	2790.0	0.5	2640.0	0.1	0.5	0.5	64.0	10.0	5.9			
Average		100.0	266.4	2.6	2464.0	0.5	2234.8	0.1	0.5	0.5	37.9	9.7	2.8			
Median		100.0	255.0	2.5	2490.0	0.5	2230.0	0.1	0.5	0.5	39.9	10.0	2.5			
Count		21	21	21	5	21	21	21	21	21	21	21	21			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.

ROCK CREEK BASELINE SURFACE WATER MONITORING Bonanza Data

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1
BERT															
8048	6/14/2005	#N/A	Accepted			7.90	160	90	2.6	73.5	3.47	2.67	0.05		0.05
8060	7/11/2005	#N/A	Accepted					95	0.8	75	3.66	2.67	0.031		0.05
8070	8/8/2005	#N/A	Accepted					95	0.6	80	3.95	2.75	0.032		0.05
8082	9/27/2005	#N/A	Accepted					87.5	5.8	75	4.17	2.85	0.05		0.05
8087	10/19/2005	#N/A	Accepted					83.8	21.7	75	3.9	2.76	0.065		0.088
8099	11/14/2005	#N/A	Accepted					85	8.1	76	4.09	2.83	0.037		0.05

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	NO3+NO2	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T
Units		mg/L	mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.1	0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2
BERT																	
8048	6/14/2005	0.1	0.0025	0.0025	80.43	19	0.5	2.5	3.33	0.2	0.086	27.7	0.5	2	0.5	0.0181	0.1
8060	7/11/2005	0.0425	0.0025	0.0025	74.93	23.4	0.5	2.5	2.91	0.2	0.25	25.6	0.5	2	0.5	0.0411	0.1
8070	8/8/2005	0.05	0.0025	0.0025	86.75	10	0.5	2.5	3.92	0.2	0.25	30	0.5	2	0.5	0.013	0.1
8082	9/27/2005	0.14	0.0025	0.0025	82.85	20.7	0.5	2.5	3.62	0.2	0.178	28.7	0.5	2	0.5	0.0296	0.1
8087	10/19/2005	0.128	0.0025		79.34	1430	0.816	9.19	19.7	0.2	0.25	27	2.15	2	3.15	2.24	1.04
8099	11/14/2005	0.204	0.0025	0.0025	80.64	27.4	0.5	2.5	4.6	0.2	0.25	27.8	0.5	2	0.5	0.0319	0.1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Mg-T	Mn-T	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T
Units		mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		0.1	1	1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5
BERT																		
8048	6/14/2005	2.72	3.11	0.5	5	0.881	100	211	2.5		0.5	1990	0.0666	0.5	0.5	26.5	10	2.5
8060	7/11/2005	2.66	3.42	0.9	5	1	100	205	2.5		0.5	1860	0.0651	0.5	0.5	30.7	10	2.5
8070	8/8/2005	2.86	4.08	1.4	5	0.645	100	257	2.5		0.5	2340	0.0729	0.5	0.5	39.1	10	2.5
8082	9/27/2005	2.7	6.91	0.7	5	0.939	100	231	2.5		0.5	1790	0.0711	0.5	0.5	21.6	10	2.5
8087	10/19/2005	2.88	57.9	2.6	5	3.45	100	490	2.5		0.5	2080	0.0677	0.5	0.5	75.3	10	6.52
8099	11/14/2005	2.71	11.5	0.9	5	0.697	100	195	2.5		0.5	1930	0.0666	0.5	0.5	5.73	10	2.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Al-D	Sb-D	As-D	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L
Detection Limits (PQL)		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2
BERT																		
8048	6/14/2005	10	0.5	2.5	2.89	0.2	0.14	27.8	0.811	2	0.5	0.02	0.1	2.74	1.26		5	1
8060	7/11/2005	10	0.499	2.5	2.93	0.201	0.25	24.8	0.328	2	0.5	0.02	0.142	2.57	2.65		5	0.805
8070	8/8/2005	10	0.5	2.5	3.39	0.2	0.25	28.9	0.5	2	0.5	0.02	0.1	2.69	2.94		5	1
8082	9/27/2005	10	0.5	2.5	3.85	0.2	0.075	28	0.5	2	0.5	0.02	0.1	2.62	2.87		5	1
8087	10/19/2005	8.7	0.5	2.5	4.57	0.2	0.504	26.6	0.5	2	0.5	0.02	0.1	2.61	8.93		5	0.626
8099	11/14/2005	10	0.5	2.5	3.82	0.2	0.25	28.5	0.5	2	0.5	0.02	0.1	2.74	6.27		5	0.697

ROCK CREEK BASELINE SURFACE WATER MONITORING Bonanza Data

Sample ID#	Date	P-D	K-D	Se-D	Si-D	Ag-D	Na-D	Sr-D	TI-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		200	500	5	200	1	500	0.005	1	1	5	20	5			
BERT																
8048	6/14/2005	100	229	2.5		0.5	1740	0.0658	0.5	0.5	27.8	10	2.5	1.94	1.70	7%
8060	7/11/2005	100	195	2.5		0.5	1960	0.0631	0.5	0.5	31.3	10	2.5	1.75	1.54	6%
8070	8/8/2005	100	185	2.5		0.5	2310	0.0697	0.5	0.5	33.7	10	2.5	1.87	1.77	3%
8082	9/27/2005	100	264	2.5		0.5	2120	0.0699	0.5	0.5	30.6	10	2.5	1.79	1.71	2%
8087	10/19/2005	100	229	2.5		0.5	1990	0.0645	0.5	0.5	15	10	2.5	1.77	1.64	4%
8099	11/14/2005	100	186	2.5		0.5	1880	0.069	0.5	0.5	16.5	10	2.5	1.81	1.74	2%

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
BOST																
8004	2/23/2005	#N/A	Accepted					136	0.25	105	22	2.35	0.05		0.05	0.05
8015	3/23/2005	#N/A	Accepted					158	0.25	112	22.6	2.41	0.05		0.05	0.05
8024	4/6/2005	#N/A	Accepted					142	0.25	110	22.9	2.31	0.05		0.05	0.05
8033	5/26/2005	#N/A	Accepted			7.50	130	81	1	56	8.14	2.29	0.05		0.075	0.05
8045	6/13/2005	#N/A	Accepted			8.00	180	109	0.25	80.5	12.7	2.16	0.05		0.05	0.05
8057	7/11/2005	#N/A	Accepted					126	0.2	96	13.8	2.11	0.035		0.05	0.05
8067	8/8/2005	#N/A	Accepted					135	0.25	106	15.4	2.36	0.05		0.05	0.05
8079	9/27/2005	#N/A	Accepted					85	0.9	67	12	2.91	0.05		0.05	0.041
8084	10/18/2005	#N/A	Accepted					100	0.25	91	15.3	2.56	0.049		0.0995	0.05
8096	11/15/2005	#N/A	Accepted					120	0.25		18	2.42	0.032		0.05	0.05
8109	12/13/2005	#N/A	Accepted					145	0.25	106	20.4	2.43	0.05		0.071	0.0845
8133	2/13/2006	#N/A	Accepted					136	0.25	98	22.6	2.43	0.039		0.072	0.051
8145	3/22/2006	#N/A	Accepted					145	0.25	115	23.8	2.42	0.05		0.05	0.046
8157	4/5/2006	#N/A	Accepted					133	0.25	112	23.6	2.35	0.05		0.034	0.05
8169	8/31/2006	#N/A	Accepted					141	0.3	96	16.8	2.29	0.038		0.05	0.05
1905	11/2/2006	#N/A	Accepted					78.8	0.25	96	16.5	2.55	0.05		0.0406	0.031
1917	11/8/2006	#N/A	Accepted					120	0.6	94	16.8	2.49	0.05		0.0313	0.05
1881	11/14/2006	#N/A	Accepted					87.5	0.25	96	17.4	2.44	0.05		0.0318	0.05
1893	12/5/2006	#N/A	Accepted					132	0.25	100	17.4	2.48	0.05		0.05	0.05
1926	12/14/2006	#N/A	Accepted					110	0.25	108	19.1	2.63	0.05		0.05	0.05
1934	3/6/2007	1070914	Accepted	7.25				139	0.25	112	21.5	2.45	0.05		0.05	0.059
1942	11/9/2007	1076057	Accepted	7.22		7.61	260	138	0.25	111	25.4	2.59	0.031		0.671	0.05
	Minimum			7.2	0.0	7.5	130.0	78.8	0.2	56.0	8.1	2.1	0.0	0.0	0.0	0.0
	Maximum			7.3	0.0	8.0	260.0	158.0	1.0	115.0	25.4	2.9	0.1	0.0	0.7	0.1
	Average			7.2	#DIV/0!	7.7	190.0	122.6	0.3	98.5	18.4	2.4	0.0	#DIV/0!	0.1	0.1
	Median			7.2	#NUM!	7.6	180.0	132.5	0.3	100.0	17.7	2.4	0.1	#NUM!	0.1	0.1
	Count			2	0	3	3	22	22	21	22	22	22	0	22	22

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
BOST																		
8004	2/23/2005	0.0025	0.0025	134.05	10	0.5	2.5	3.21	0.2	0.25	38.1	0.5	2	0.5	0.02	0.1	9.44	0.5
8015	3/23/2005	0.0025	0.0025	131.05	10	0.5	2.5	3.64	0.2	0.25	36.9	0.5	2	0.5	0.02	0.1	9.44	0.5
8024	4/6/2005	0.0025	0.0025	133.58	10	0.5	2.5	3.57	0.2	0.25	37.7	0.5	2	0.5	0.02	0.1	9.57	0.5
8033	5/26/2005	0.0025	0.0025	66.31	10	0.5	2.5	2.02	0.2	0.076	19.7	0.513	2	0.5	0.02	0.1	4.15	0.89
8045	6/13/2005	0.0025	0.0025	99.03	10	0.5	2.5	2.88	0.2	0.097	29.5	0.5	2	0.5	0.02	0.1	6.15	0.5
8057	7/11/2005	0.0025	0.0025	109.91	10	0.5	2.5	2.78	0.2	0.25	31.8	0.5	2	0.5	0.02	0.1	7.4	0.5
8067	8/8/2005	0.0025	0.0025	128.81	10	0.5	2.5	3.59	0.2	0.25	37.5	0.5	2	0.5	0.02	0.1	8.53	0.5
8079	9/27/2005	0.0025	0.0025	82.62	10	0.5	2.5	2.69	0.2	0.195	24.3	0.5	2	0.5	0.02	0.1	5.32	0.801
8084	10/18/2005	0.0025	0.0025	111.96	48.7	0.5	2.5	2.99	0.2	0.25	32.7	0.5	2	0.5	0.02	0.1	7.35	0.5
8096	11/15/2005	0.0025	0.0025	125.93	10	0.5	2.5	3.04	0.2	0.25	36.3	0.5	2	0.5	0.02	0.079	8.56	0.5
8109	12/13/2005	0.0025	0.0025	118.94	10	0.5	1.62	2.99	0.2	0.25	33.6	0.5	2	0.5	0.02	0.1	8.5	0.5
8133	2/13/2006	0.0025	0.0025	131.00	10	0.5	2.35	3.36	0.2	0.25	36.7	0.5	2	0.5	0.0245	0.1	9.55	0.5
8145	3/22/2006	0.0025	0.0025	140.57	10	0.5	2.5	3.63	0.2	0.25	40	0.5	2	0.5	0.02	0.1	9.87	0.5
8157	4/5/2006	0.0025	0.0025	139.90	10	0.5	2.5	3.94	0.2	0.25	39.7	0.5	2	0.5	0.02	0.1	9.89	0.5
8169	8/31/2006	0.0025	0.0025	122.13	10	0.5	2.5	3.57	0.2	0.25	35.6	0.351	2	0.5	0.01	0.1	8.06	0.5
1905	11/2/2006	0.0025	0.0025	104.98	10	0.5	2.5	3.02	0.2	0.25	30.6	0.5	2	0.5	0.01	0.1	6.93	0.5
1917	11/8/2006	0.0025	0.002	112.32	6.2	0.5	2.5	3.47	0.2	0.25	32.5	0.5	2	0.5	0.0097	0.1	7.56	0.86
1881	11/14/2006	0.0015	0.0022	108.92	7.37	0.5	2.5	3.61	0.2	0.25	31.6	0.5	2	0.5	0.01	0.1	7.28	0.709
1893	12/5/2006	0.0025	0.0025	114.99	10	0.5	2.5	3.49	0.2	0.25	33.6	0.5	2	0.5	0.01	0.1	7.54	0.5
1926	12/14/2006	0.0025	0.002	118.96	10	0.5	2.5	3.9	0.2	0.25	34.2	0.5	2	0.5	0.01	0.1	8.14	0.5
1934	3/6/2007	0.0025	0.0025	126.74	10	0.5	2.5	3.14	0.2	0.25	35.9	0.5	2	0.5	0.01	0.1	9	0.5
1942	11/9/2007	0.0025	0.0025	134.62	10	0.5	2.5	16.9	0.2	0.25	39.2	1	2	0.5	0.01	0.139	8.91	0.5
Minimum		0.0	0.0	66.3	6.2	0.5	1.6	2.0	0.2	0.1	19.7	0.4	2.0	0.5	0.0	0.1	4.2	0.5
Maximum		0.0	0.0	140.6	48.7	0.5	2.5	3.9	0.2	0.3	40.0	1.0	2.0	0.5	0.0	0.1	9.9	0.9
Average		0.0	0.0	118.1	11.5	0.5	2.5	3.3	0.2	0.2	34.0	0.5	2.0	0.5	0.0	0.1	8.1	0.6
Median		0.0	0.0	120.5	10.0	0.5	2.5	3.4	0.2	0.3	34.9	0.5	2.0	0.5	0.0	0.1	8.3	0.5
Count		22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
BOST																			
8004	2/23/2005	0.5	5	1	100	250	2.5		0.5	1600	0.107	0.5	0.5	25.8	10	2.5	10	0.5	2.5
8015	3/23/2005	0.5	5	1	100	250	2.5		0.5	1800	0.105	0.5	0.5	23	10	2.5	10	0.5	2.5
8024	4/6/2005	0.5	5	1	100	250	2.5		0.5	1840	0.104	0.5	0.5	29.3	10	2.5	10	0.5	2.5
8033	5/26/2005	1.99	5	1	100	181	2.5		0.5	1340	0.0565	0.5	0.5	16.9	10	2.5	10	0.5	2.5
8045	6/13/2005	0.4	5	0.879	100	181	2.5		0.5	1690	0.086	0.5	0.5	30.3	10	2.5	10	0.5	2.5
8057	7/11/2005	0.9	5	0.665	100	250	2.5		0.5	1570	0.0941	0.5	0.5	38.6	10	2.5	10	0.5	2.5
8067	8/8/2005	0.7	5	0.881	100	153	2.5		0.5	1860	0.108	0.5	0.5	46.9	10	2.5	10	0.5	2.5
8079	9/27/2005	0.7	5	0.645	100	167	2.5		0.5	1490	0.0688	0.5	0.5	20.6	10	2.5	10	0.5	2.5
8084	10/18/2005	0.9	5	0.745	100	153	2.5		0.5	1670	0.0892	0.5	0.5	26.2	10	2.11	10	0.5	2.5
8096	11/15/2005	0.3	5	1.03	100	250	2.5		0.5	1670	0.101	0.5	0.5	31.2	10	2.5	10	0.5	1.63
8109	12/13/2005	0.3	5	1	100	250	2.5		0.5	1760	0.0957	0.5	0.5	34.2	10	2.5	10	0.5	2.5
8133	2/13/2006	0.2	5	0.829	100	250	2.5		0.5	1670	0.104	0.5	0.5	33.9	10	2.5	10	0.5	2.62
8145	3/22/2006	0.2	5	1.11	100	193	2.5		0.5	1790	0.11	0.5	0.5	26.6	10	2.5	10	0.5	2.5
8157	4/5/2006	0.2	5	1.33	100	250	2.5		0.5	1940	0.113	0.5	0.5	32.5	10	4.28	11.5	0.5	2.5
8169	8/31/2006		5	0.873	100	250	2.5		0.5	1790	0.0994	0.5	0.5	44.6	10	2.5	10	0.5	2.5
1905	11/2/2006		5	0.908	100	250	2.5	2290	0.5	1670	0.0837	0.5	0.5	31.5	10	2.5	10	0.5	2.5
1917	11/8/2006		5	1.08	100	157	2.5	2260	0.5	1860	0.091	0.5	0.5	41.9	10	2.5	10	0.477	2.5
1881	11/14/2006		5	1.07	100	245	2.5	2120	0.5	1920	0.0886	0.5	0.331	37.8	10	2.5	10	0.515	2.5
1893	12/5/2006		5	1.33	100	153	2.5		0.5	1940	0.0904	0.586	1.4	36.7	10	2.5	10	0.5	2.5
1926	12/14/2006		5	1.12	100	250	2.5	2250	0.5	1850	0.097	0.918	2.2	38.9	10	2.5	10	0.5	2.5
1934	3/6/2007	0.5	5	0.869	100	184	2.5	2330	0.5	1700	0.101	0.5	0.5	41.8	10	2.75	10	0.5	2.5
1942	11/9/2007	0.5	5	1.22	100	185	2.5		0.5	1980	0.126	0.649	0.5	41.4	10	4.6	10	0.331	2.5
	Minimum	0.2	5.0	0.6	100.0	153.0	2.5	2120.0	0.5	1340.0	0.1	0.5	0.3	16.9	10.0	2.1	10.0	0.3	1.6
	Maximum	2.0	5.0	1.3	100.0	250.0	2.5	2330.0	0.5	1980.0	0.1	0.9	2.2	46.9	10.0	4.6	11.5	0.5	2.6
	Average	0.6	5.0	1.0	100.0	213.7	2.5	2250.0	0.5	1745.5	0.1	0.5	0.6	33.2	10.0	2.7	10.1	0.5	2.5
	Median	0.5	5.0	1.0	100.0	247.5	2.5	2260.0	0.5	1775.0	0.1	0.5	0.5	33.2	10.0	2.5	10.0	0.5	2.5
	Count	16	22	22	22	22	22	5	22	22	22	22	22	22	22	22	22	22	22

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
BOST																			
8004	2/23/2005	3.25	0.2	0.25	36.4	1.19	2	0.5	0.02	0.1	9.11	0.5		5	1	100	250	2.5	
8015	3/23/2005	3.64	0.2	0.25	35.6	0.5	2	0.5	0.02	0.1	9.01	0.5		5	1	100	250	2.5	
8024	4/6/2005	3.65	0.2	0.25	36.4	0.5	2	0.5	0.02	0.1	9.37	0.5		5	1	100	250	2.5	
8033	5/26/2005	2.16	0.2	0.105	19.7	0.5	2	0.5	0.02	0.1	4.12	0.5		5	1	100	201	2.5	
8045	6/13/2005	2.62	0.2	0.163	29.2	1	2	1.31	0.02	0.1	6.13	0.5		5	0.713	100	196	2.5	
8057	7/11/2005	2.7	0.2	0.25	30.5	0.5	2	1.23	0.02	0.1	7.27	0.5		5	0.651	100	250	2.5	
8067	8/8/2005	3.81	0.2	0.25	36.4	0.5	2	0.5	0.02	0.1	8.05	0.5		5	0.959	100	250	2.5	
8079	9/27/2005	3.07	0.2	0.126	24.1	0.5	2	0.5	0.02	0.1	5.26	0.5		5	1	100	189	2.5	
8084	10/18/2005	2.85	0.2	0.605	31.8	0.5	2	0.5	0.02	0.1	7.32	0.5		5	0.749	100	162	2.5	
8096	11/15/2005	3.01	0.2	0.25	35.6	0.5	2	0.5	0.02	0.326	8.41	0.5		5	0.816	100	250	2.5	
8109	12/13/2005	3.45	0.2	0.25	33.8	0.5	2	0.5	0.02	0.1	8.45	0.5		5	1	100	250	2.5	
8133	2/13/2006	3.68	0.2	0.102	37.3	0.5	2	0.5	0.02	0.1	9.37	0.5		5.75	0.926	100	164	1.99	
8145	3/22/2006	3.52	0.2	0.056	38.8	0.5	2	0.5	0.02	0.1	9.53	0.5		5	1.05	100	191	2.5	
8157	4/5/2006	4.87	0.2	0.25	37.5	0.5	2	0.5	0.02	0.1	9.38	0.5		4.65	0.762	100	164	2.5	
8169	8/31/2006	3.74	0.2	0.25	37.5	0.5	2	0.5	0.01	0.1	8.5	0.5		5	1.34	100	181	2.5	
1905	11/2/2006	3.02	0.2	0.25	32	0.5	2	0.5	0.01	0.1	7.21	0.5		5	0.993	100	160	2.5	2130
1917	11/8/2006	3.43	0.2	0.25	32.8	0.681	2	0.5	0.01	0.1	7.62	0.5		5	1.08	100	168	2.5	2250
1881	11/14/2006	3.63	0.2	0.25	31.7	0.5	2	0.5	0.01	0.1	7.3	0.5		5	1.14	100	230	2.5	2170
1893	12/5/2006	3.41	0.2	0.25	33.7	0.5	2	0.5	0.01	0.1	7.44	0.5		5	1.27	100	184	2.5	
1926	12/14/2006	3.39	0.2	0.25	34.2	0.5	2	0.5	0.01	0.1	8.09	0.5		5	1.1	100	157	2.5	2170
1934	3/6/2007	3.21	0.2	0.25	36.4	0.5	2	0.5	0.01	0.1	9.13	0.5		5	0.804	100	206	2.5	2230
1942	11/9/2007	4.87	0.2	0.25	42.6	1	2	0.5	0.01	0.669	9.28	0.5		5	1.34	100	206	2.5	
	Minimum	2.2	0.2	0.1	19.7	0.5	2.0	0.5	0.0	0.1	4.1	0.5	0.0	4.7	0.7	100.0	157.0	2.0	2130.0
	Maximum	4.9	0.2	0.6	42.6	1.2	2.0	1.3	0.0	0.7	9.5	0.5	0.0	5.8	1.3	100.0	250.0	2.5	2250.0
	Average	3.4	0.2	0.2	33.8	0.6	2.0	0.6	0.0	0.1	8.0	0.5	#DIV/0!	5.0	1.0	100.0	205.0	2.5	2190.0
	Median	3.4	0.2	0.3	34.9	0.5	2.0	0.5	0.0	0.1	8.3	0.5	#NUM!	5.0	1.0	100.0	198.5	2.5	2170.0
	Count	22	22	22	22	22	22	22	22	22	22	22	0	22	22	22	22	22	5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Ag-D	Na-D	Sr-D	Tl-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
BOST												
8004	2/23/2005	0.5	1620	0.103	0.5	0.5	24.7	10	2.5	3.31	2.64	11%
8015	3/23/2005	0.5	1710	0.102	0.5	0.5	22.3	10	2.5	3.48	2.60	15%
8024	4/6/2005	0.5	1790	0.102	0.5	0.5	18.1	10	2.5	3.46	2.67	13%
8033	5/26/2005	0.5	1500	0.0565	0.5	0.5	20	10	2.5	1.81	1.39	13%
8045	6/13/2005	0.5	1500	0.084	0.5	0.5	29.3	10	2.16	2.55	2.03	11%
8057	7/11/2005	0.5	1560	0.0917	0.5	0.5	36.1	10	2.5	2.69	2.20	10%
8067	8/8/2005	0.5	1880	0.104	0.5	0.5	46.3	10	2.5	2.98	2.57	7%
8079	9/27/2005	0.5	1750	0.0684	0.5	0.5	25.9	10	2.5	2.04	1.72	8%
8084	10/18/2005	0.5	1650	0.0877	0.5	0.5	20.5	10	2.23	2.68	2.27	8%
8096	11/15/2005	0.5	1630	0.0962	0.5	0.5	16.9	10	2.5	1.00	2.55	-44%
8109	12/13/2005	0.5	1920	0.0994	0.5	0.5	31	10	2.5	3.25	2.47	14%
8133	2/13/2006	0.5	1770	0.104	0.5	0.868	34.1	10	2.5	3.20	2.72	8%
8145	3/22/2006	0.5	1800	0.109	0.5	0.5	21.5	10	2.5	3.61	2.81	12%
8157	4/5/2006	0.5	1840	0.108	0.5	1.25	42	10	1.8	3.53	2.73	13%
8169	8/31/2006	0.5	1850	0.106	0.5	0.383	21.8	10	2.5	2.86	2.66	4%
1905	11/2/2006	0.5	1820	0.0882	0.5	0.5	39.4	10	2.5	2.84	2.27	11%
1917	11/8/2006	0.5	1840	0.0918	0.5	0.5	44.1	10	2.5	2.82	2.35	9%
1881	11/14/2006	0.5	1870	0.0898	0.5	0.312	36.9	10	2.5	2.89	2.27	12%
1893	12/5/2006	0.5	2000	0.0898	0.5	0.5	40.2	10	2.5	2.97	2.39	11%
1926	12/14/2006	0.5	2220	0.095	0.552	1.14	40.8	10	2.5	3.22	2.47	13%
1934	3/6/2007	0.5	1840	0.102	0.5	0.5	42.5	10	2.5	3.43	2.65	13%
1942	11/9/2007	0.5	2260	0.131	0.5	0.5	42	10	2.5	3.83	2.99	12%
Minimum		0.5	1500.0	0.1	0.5	0.3	16.9	10.0	1.8			
Maximum		0.5	2260.0	0.1	0.6	1.3	46.3	10.0	2.5			
Average		0.5	1800.9	0.1	0.5	0.6	31.7	10.0	2.4			
Median		0.5	1810.0	0.1	0.5	0.5	32.6	10.0	2.5			
Count		22	22	22	22	22	22	22	22			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.

ROCK CREEK BASELINE SURFACE WATER MONITORING Bonanza Data

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1	0.1
MARY																
8029	5/26/2005	#N/A	Accepted			7.40	160	108	1.1	74.5	7.61	3.43	0.05		0.05	0.05
8041	6/13/2005	#N/A	Accepted			8.00	260	150	0.2	125	11.6	2.43	0.05		0.05	0.1
8053	7/11/2005	#N/A	Accepted					176	0.25	146	17.1	2.48	0.05		0.05	0.0395
8063	8/8/2005	#N/A	Accepted					201	0.8	154	21	2.69	0.038		0.05	0.114
8075	9/28/2005	#N/A	Accepted					133	0.6	136	11.5	3.11	0.035		0.05	0.0815
8080	10/18/2005	#N/A	Accepted					169	0.3	152	18.8	3.16	0.071		0.101	0.0555
8092	11/15/2005	#N/A	Accepted					248	0.25		22.5	3.08	0.047		0.05	0.05
8105	12/13/2005	#N/A	Accepted					216	0.25	170	26.6	3.12	0.038		0.055	0.07
8117	1/30/2006	#N/A	Accepted					210	0.25	174	29.6	3.04	0.05		0.113	0.136
8129	2/13/2006	#N/A	Accepted					204	0.5	170	30.9	3.12	0.042		0.065	0.215
8165	8/31/2006	#N/A	Accepted					211	0.5	166	23.5	2.97	0.038		0.05	0.0565
1901	11/2/2006	#N/A	Accepted					139	0.25	154	18.4	3.4	0.05		0.036	0.0615
1913	11/8/2006	#N/A	Accepted					129	0.25	158	20.3	3.41	0.05		0.19	0.05
1877	11/14/2006	#N/A	Accepted					159	0.6	162	22.3	3.44	0.05		0.0315	0.037
1889	12/5/2006	#N/A	Accepted					205	0.3	170	24.9	3.53	0.05		0.05	0.0475
1925	12/14/2006	#N/A	Accepted					206	0.5	164	26.2	3.59	0.05		0.05	0.088
1933	3/6/2007	1070914	Accepted	7.50				208	0.8	164	24.6	2.85	0.05		0.05	0.103
1941	11/9/2007	1076057	Accepted	7.75		8.00	365	205	2.11	166	26.8	3.28	0.033		0.05	0.05
	Minimum			7.5	0.0	7.4	160.0	108.0	0.2	74.5	7.6	2.4	0.0	0.0	0.0	0.0
	Maximum			7.8	0.0	8.0	365.0	248.0	2.1	174.0	30.9	3.6	0.1	0.0	0.2	0.2
	Average			7.6	#DIV/0!	7.8	261.7	182.1	0.5	153.3	21.3	3.1	0.0	#DIV/0!	0.1	0.1
	Median			7.6	#NUM!	8.0	260.0	202.5	0.4	162.0	22.4	3.1	0.1	#NUM!	0.1	0.1
	Count			2	0	3	3	18	18	17	18	18	18	0	18	18

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T
Units		mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1
MARY																		
8029	5/26/2005	0.0025	0.0025	83.59	8.84	0.936	6.52	2.78	0.2	0.123	27.7	0.752	2	0.5	0.02	0.1	3.49	0.952
8041	6/13/2005	0.0025	0.0025	149.28	10	1.68	7.8	3.61	0.2	0.25	49.7	0.5	2	0.5	0.02	0.1	6.09	0.5
8053	7/11/2005	0.0025	0.0025	163.45	10	2.04	12.8	3.39	0.2	0.25	53	0.828	2	3.58	0.02	0.1	7.53	0.5
8063	8/8/2005	0.0025	0.0025	189.13	10	2.43	16.1	4.27	0.2	0.25	61.2	0.5	2	0.5	0.0265	0.1	8.79	0.537
8075	9/28/2005	0.0025	0.0025	151.82	10	1.13	8.03	3.86	0.2	0.184	50.6	0.5	2	0.5	0.02	0.1	6.16	0.5
8080	10/18/2005	0.0025	0.0025	183.35	10	1.79	10.6	4.31	0.2	0.25	60.5	0.5	2	0.5	0.02	0.1	7.81	0.5
8092	11/15/2005	0.0025	0.0025	194.75	10	2.03	12.6	4.71	0.2	0.25	63.4	0.5	2	0.5	0.02	0.399	8.82	0.5
8105	12/13/2005	0.0025	0.0025	188.74	10	1.99	14	4.23	0.2	0.25	60.7	0.5	2	0.5	0.02	0.1	9	0.5
8117	1/30/2006	0.0025	0.0025	213.82	19.4	2.01	13.1	4.33	0.134	0.25	68.1	0.5	2	0.5	0.02	0.093	10.6	0.386
8129	2/13/2006	0.0025	0.0025	210.33	10	1.73	15.9	4.56	0.2	0.179	67.2	0.5	2	0.5	0.02	0.1	10.3	0.5
8165	8/31/2006	0.002	0.0025	209.07	10	2.57	12.6	4.3	0.2	0.25	68.8	1.09	2	0.5	0.01	0.1	9.02	0.5
1901	11/2/2006	0.0025	0.0025	178.37	10	2.03	9.81	4.45	0.2	0.25	59	1.12	2	0.5	0.01	0.1	7.51	0.463
1913	11/8/2006	0.0025	0.0025	181.18	10	2.34	10.9	4.72	0.2	0.25	59.5	0.5	2	0.5	0.01	0.1	7.89	0.5
1877	11/14/2006	0.0025	0.0021	177.40	10	2.54	11.8	5.04	0.2	0.25	58.3	0.97	2	0.5	0.01	0.088	7.7	0.429
1889	12/5/2006	0.0025	0.0025	193.27	10	2.79	10.8	4.8	0.2	0.25	63.3	0.5	2	0.5	0.0081	0.066	8.52	0.526
1925	12/14/2006	0.002	0.0025	191.54	10	1.69	10.9	4.73	0.2	0.25	62.1	0.5	2	0.5	0.01	0.073	8.83	0.5
1933	3/6/2007	0.0025	0.0025	194.14	12.4	2.26	22.4	4.88	0.2	0.25	62.5	0.328	2	0.358	0.0293	0.092	9.22	1.84
1941	11/9/2007	0.0015	0.0025	206.42	8.85	2.58	14.5	5.05	0.2	0.25	66.9	1	2	0.501	0.0107	0.112	9.53	0.646
Minimum		0.0	0.0	83.6	8.8	0.9	6.5	#REF!	0.1	0.1	27.7	0.3	2.0	0.4	0.0	0.1	3.5	0.4
Maximum		0.0	0.0	213.8	19.4	2.8	22.4	#REF!	0.2	0.3	68.8	1.1	2.0	3.6	0.0	0.4	10.6	1.8
Average		0.0	0.0	181.1	10.5	2.0	12.3	#REF!	0.2	0.2	59.0	0.6	2.0	0.7	0.0	0.1	8.2	0.6
Median		0.0	0.0	188.9	10.0	2.0	12.2	#REF!	0.2	0.3	61.0	0.5	2.0	0.5	0.0	0.1	8.7	0.5
Count		18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D
Units		ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5	20	1	5
MARY																			
8029	5/26/2005	2.64	5	0.637	100	300	2.5		0.5	1540	0.072	0.5	0.5	27.2	10	2.5	10	1.03	7.69
8041	6/13/2005	0.4	5	1.27	100	199	2.5		0.5	1670	0.134	0.5	0.5	44	10	2.5	10	1.68	9.86
8053	7/11/2005	0.7	5	0.88	100	153	2.5		0.5	1650	0.155	0.5	0.5	57.6	10	2.5	10	2.02	14.3
8063	8/8/2005	1.2	5	1.44	100	176	2.5		0.5	2000	0.177	0.5	0.5	70.8	10	2.5	10	2.2	14.5
8075	9/28/2005	0.6	5	1.33	100	192	2.5		0.5	1530	0.128	0.5	0.5	35.1	10	2.5	10	1.51	10.3
8080	10/18/2005	0.6	5	1.25	100	156	2.5		0.5	1770	0.164	0.5	0.5	52.4	10	2.5	10	1.78	9.92
8092	11/15/2005	0.4	5	1.61	100	250	2.5		0.5	1930	0.186	0.5	0.5	54.2	10	2.5	10	2.1	12.1
8105	12/13/2005	0.4	5	0.896	100	250	2.5		0.5	1990	0.176	0.5	0.5	45.2	10	2.5	10	1.99	13
8117	1/30/2006	0.5	5	2.02	100	176	2.5		0.5	1860	0.192	0.5	0.409	66.9	10	2.5	10	2.19	13.9
8129	2/13/2006	0.4	5	1.51	100	160	2.5		0.5	1840	0.19	0.5	0.5	50.1	10	2.5	10	1.93	16
8165	8/31/2006		5	1.43	100	178	2.5		0.5	1970	0.177	0.5	0.5	84.4	10	2.5	10	2.93	14.4
1901	11/2/2006		5	1.81	100	231	2.5	2530	0.5	2000	0.155	0.5	2.61	63.5	10	2.5	10	1.8	9.12
1913	11/8/2006		5	1.74	100	179	2.5	2770	0.5	2050	0.166	0.5	0.407	77.6	10	2.5	10	2.41	12.3
1877	11/14/2006		5	1.92	100	293	2.5	2770	0.5	2130	0.168	0.5	0.443	66.2	10	2.5	10	2.48	11.9
1889	12/5/2006		4.41	2.53	100	197	2.5		0.5	2190	0.175	0.675	3.33	63.2	10	2.5	10	2.38	11.3
1925	12/14/2006		4.28	2.31	100	168	2.5	2600	0.5	2160	0.181	1.19	5.63	74.2	10	2.5	28.7	1.96	9.04
1933	3/6/2007	0.5	5	1.57	100	226	6.17	2570	0.5	2120	0.176	0.802	2.47	78.3	10	2.5	10	1.96	22.5
1941	11/9/2007	0.5	5	2.12	100	219	2.5		0.5	2260	0.183	0.602	0.5	69.4	10	2.5	10	2.52	13.9
	Minimum	0.4	4.3	0.6	100.0	153.0	2.5	2530.0	0.5	1530.0	0.1	0.5	0.4	27.2	10.0	2.5	10.0	1.0	7.7
	Maximum	2.6	5.0	2.5	100.0	300.0	6.2	2770.0	0.5	2260.0	0.2	1.2	5.6	84.4	10.0	2.5	28.7	2.9	22.5
	Average	0.7	4.9	1.6	100.0	205.7	2.7	2648.0	0.5	1925.6	0.2	0.6	1.2	60.0	10.0	2.5	11.0	2.0	12.6
	Median	0.5	5.0	1.5	100.0	194.5	2.5	2600.0	0.5	1980.0	0.2	0.5	0.5	63.4	10.0	2.5	10.0	2.0	12.2
	Count	12	18	18	18	18	18	5	18	18	18	18	18	18	18	18	18	18	18

ROCK CREEK BASELINE SURFACE WATER MONITORING

Bonanza Data

Sample ID#	Date	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D
Units		ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200
MARY																			
8029	5/26/2005	2.94	0.2	0.171	28.4	0.5	2	0.5	0.02	0.1	3.42	0.406		5	0.694	100	293	2.5	
8041	6/13/2005	3.32	0.2	0.084	48.6	1.48	2	0.5	0.02	0.1	5.94	0.5		5	1.11	100	223	2.5	
8053	7/11/2005	3.81	0.2	0.25	49.6	0.55	2	0.5	0.02	0.1	7.38	0.5		5	1	100	181	2.5	
8063	8/8/2005	4.18	0.2	0.25	60.3	0.5	2	0.5	0.02	0.1	8.16	0.5		5	10.8	100	250	2.5	
8075	9/28/2005	4.69	0.2	0.25	49.1	0.5	2	0.5	0.02	0.1	5.99	0.5		5	1.02	100	200	2.5	
8080	10/18/2005	4.03	0.2	0.406	56.4	0.5	2	0.5	0.02	0.08	7.74	0.5		5	1.65	100	186	2.5	
8092	11/15/2005	4.56	0.2	0.127	64.3	0.5	2	0.5	0.02		8.68	0.5		5	1.49	100	250	2.5	
8105	12/13/2005	4.46	0.292	0.25	60.8	0.5	2	0.5	0.02	0.1	8.91	0.5		5	0.932	100	170	2.5	
8117	1/30/2006	4.36	0.2	0.25	66.4	0.5	2	0.5	0.02	0.123	10.4	0.5		3.25	2.23	100	186	2.5	
8129	2/13/2006	4.33	0.2	0.25	67.6	0.5	2	0.5	0.02	0.1	10.4	0.5		5	1.45	100	171	2.5	
8165	8/31/2006	4.81	0.2	0.25	72	0.809	2	0.373	0.01	0.1	9.52	0.5		5	2.2	100	295	1.91	
1901	11/2/2006	4.3	0.2	0.25	57.4	0.5	2	0.5	0.01	0.1	7.51	0.5		5	1.55	100	198	2.5	2580
1913	11/8/2006	5.07	0.2	0.25	60.3	0.5	2	0.5	0.01	0.1	7.98	0.5		5	2.23	100	214	2.5	2650
1877	11/14/2006	4.77	0.2	0.25	59.3	0.5	2	0.323	0.01	0.1	7.87	0.5		5	1.78	100	262	2.5	2650
1889	12/5/2006	4.95	0.2	0.25	63.8	0.5	2	0.5	0.01	0.1	8.51	0.5		5	2.35	100	197	2.5	
1925	12/14/2006	4.95	0.2	0.25	60.9	0.5	2	0.5	0.127	0.114	8.63	0.5		3.19	1.9	100	178	2.5	2660
1933	3/6/2007	4.68	0.2	0.25	61.9	0.5	2	0.338	0.01	0.1	9.19	0.5		5	1.45	100	241	2.5	2690
1941	11/9/2007	4.89	0.2	0.25	66.9	1	2	0.5	0.01	0.1	9.58	0.5		5	2.06	100	227	2.5	
	Minimum	2.9	0.2	0.1	28.4	0.5	2.0	0.3	0.0	0.1	3.4	0.4	0.0	3.2	0.7	100.0	170.0	1.9	2580.0
	Maximum	5.1	0.3	0.4	72.0	1.5	2.0	0.5	0.0	0.1	10.4	0.5	0.0	5.0	2.4	100.0	295.0	2.5	2690.0
	Average	4.4	0.2	0.2	58.6	0.6	2.0	0.5	0.0	0.1	8.1	0.5	#DIV/0!	4.8	1.6	100.0	217.9	2.5	2646.0
	Median	4.5	0.2	0.3	60.6	0.5	2.0	0.5	0.0	0.1	8.3	0.5	#NUM!	5.0	1.6	100.0	207.0	2.5	2650.0
	Count	18	18	18	18	18	18	18	17	17	18	18	0	18	17	18	18	18	5

ROCK CREEK BASELINE SURFACE WATER MONITORING Bonanza Data

Sample ID#	Date	Ag-D	Na-D	Sr-D	TI-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	500	0.005	1	1	5	20	5			
MARY												
8029	5/26/2005	0.5	1540	0.0709	0.5	0.5	29.8	10	2.5	2.17	1.78	10%
8041	6/13/2005	0.5	1570	0.129	0.5	0.5	54.6	10	2.5	3.39	2.99	6%
8053	7/11/2005	0.5	1720	0.152	0.5	0.5	33.5	10	2.5	3.87	3.16	10%
8063	8/8/2005	0.5	1870	0.168	0.5	0.5	65.1	10	2.5	4.25	3.77	6%
8075	9/28/2005	0.5	1760	0.126	0.5	0.612	55.9	10	2.95	3.40	3.03	6%
8080	10/18/2005	0.5	1850	0.16	0.5	0.665	30.1	10	2.5	4.10	3.54	7%
8092	11/15/2005	0.5	1880	0.177	0.5	1.48	68.8	10	1.55	1.25	4.01	-52%
8105	12/13/2005	0.5	2130	0.175	0.5	0.5	42.6	10	2.5	4.87	3.87	11%
8117	1/30/2006	0.5	1910	0.19	0.5	2.19	64.3	10	2.5	5.11	4.26	9%
8129	2/13/2006	0.5	1900	0.192	0.5	0.5	52.9	10	2.5	5.11	4.32	8%
8165	8/31/2006	0.5	2060	0.193	0.5	0.5	64.2	10	2.69	4.62	4.48	2%
1901	11/2/2006	0.5	2000	0.154	0.5	0.91	69.3	10	2.5	4.12	3.58	7%
1913	11/8/2006	0.5	2150	0.168	0.5	0.575	86.1	10	2.5	4.30	3.77	7%
1877	11/14/2006	0.5	2200	0.171	0.5	0.564	64.7	10	3.19	4.49	3.71	9%
1889	12/5/2006	0.5	2280	0.178	0.5	0.5	72	10	2.5	4.79	3.99	9%
1925	12/14/2006	0.5	2050	0.176	1.03	2.49	76.6	10	2.5	4.74	3.85	10%
1933	3/6/2007	0.5	1980	0.175	0.5	0.5	71.3	7.14	2.5	4.64	3.94	8%
1941	11/9/2007	0.5	2310	0.184	0.5	0.5	66.9	10	2.5	5.03	4.23	9%
Minimum		0.5	1540.0	0.1	0.5	0.5	29.8	7.1	1.6			
Maximum		0.5	2310.0	0.2	1.0	2.5	86.1	10.0	3.2			
Average		0.5	1953.3	0.2	0.5	0.8	59.4	9.8	2.5			
Median		0.5	1945.0	0.2	0.5	0.5	64.5	10.0	2.5			
Count		18	18	18	18	18	18	18	18			

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.

Surface Water Monitoring
at Rock Creek

Bonanza Analysis of Duplicates

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES - Bonanza/Saddle

Station	Sample ID# Units	Date	Lab Work Order #	Comments	Status	Reason Rejected	Field pH pH units	Field Cond us/cm	Lab pH pH units	Lab Cond us/cm	TDS mg/L
Detection Limits (PQL)											
MARY	1933	3/6/2007	1070914		Accepted				0.1	1	10
MARY	DUPL 1939	3/6/2007	1070914		Accepted						208
	RPD			Good duplicates. Some total metals with borderline duplicated issues, but ok. Only Fe-T duplicated is bad but too late for rerun.							-1%
ANV2	1944	11/9/2007	1076057		Accepted		7.77		7.77	370	219
ANV2	DUPL 1947	11/9/2007	1076057		Accepted				7.80	370	176
	RPD			Good duplicates. TDS does not duplicate very well, but was not reflected in other results. Therefore not a concern and too late for rerun.							22%

RPD is >20%

**ROCK CREEK BASELINE SURFACE WATER MONITORING
ANALYSIS OF DUPLICATES - Bonanza/Saddle**

Station	Sample ID#	TSS	Alk	SO4	Cl	F	Br	Ammonia	NO3+NO2	CN-T	CN-WAD	Calc. Hardness
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Detection Limits (PQL)		0.5	10	0.1	0.1	0.1	0.05	0.1	0.1	0.005	0.005	
MARY	1933	0.8	164	24.6	2.85	0.05		0.05	0.103	0.0025	0.0025	194.14
MARY	DUPL 1939	0.4	164	26.7	3.11	0.05		0.0415	0.0865	0.0025	0.0025	194.10
	RPD	67%	0%	-8%	-9%	0%	#DIV/0!	19%	17%	0%	0%	0%
		ok, <DL										
ANV2	1944	0.206	135	60.1	3.22	0.047		0.05	0.05	0.0025	0.0025	203.72
ANV2	DUPL 1947	0.25	136	60.4	3.22	0.047		0.05	0.05	0.0025	0.0025	201.20
	RPD	-19%	-1%	0%	0%	0%	#DIV/0!	0%	0%	0%	0%	1%

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES - Bonanza/Saddle

Station	Sample ID#	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T	Mg-T	Mn-T	Hg-T	Mo-T	Ni-T	P-T
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2	200
MARY	1933	12.4	2.26	22.4	4.88	0.2	0.25	62.5	0.328	2	0.358	0.0293	0.092	9.22	1.84	0.5	5	1.57	100
MARY	DUPL 1939	7.33	2.1	23.4	4.82	0.2	0.25	62.4	0.5	2	0.416	1.11	0.1	9.27	3.48	0	5	1.6	100
	RPD	51%	7%	-4%	1%	0%	0%	0%	-42%	0%	-15%	-190%	-9%	-1%	-62%	200%	0%	-2%	0%
		ok, <DL							ok, <DL						ok, <4xDI		ok, <DL		
ANV2	1944	10	3.83	5.54	11.7	0.2	0.25	58.8	1	2	0.483	0.0074	0.1	13.8	4.69	0.5	5	2.12	100
ANV2	DUPL 1947	10	3.97	5.55	11.9	0.2	0.25	57.3	1	2	0.5	0.0106	0.1	14.1	5.12	0	5	1.91	100
	RPD	0%	-4%	0%	-2%	0%	0%	3%	0%	0%	-3%	-35%	0%	-2%	-9%	200%	0%	10%	0%
												ok, <DL				ok, <DL			

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES - Bonanza/Saddle

Station	Sample ID#	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Ti-T	Sn-T	Ti-T	V-T	Zn-T	Al-D	Sb-D	As-D	Ba-D	Be-D	Cd-D	Ca-D
	Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
Detection Limits (PQL)		500	5	200	1	500	0.005	1	1	5	20	5	20	1	5	3	0.4	0.5	0.1
MARY	1933	226	6.17	2570	0.5	2120	0.176	0.802	2.47	78.3	10	2.5	10	1.96	22.5	4.68	0.2	0.25	61.9
MARY	DUPL 1939	231	2.5	2650	0.5	2080	0.176	0.5	0.5	81.1	10	5.18	10	2	23	4.5	0.2	0.25	61.7
RPD		-2%	85%	-3%	0%	2%	0%	46%	133%	-4%	0%	-70%	0%	-2%	-2%	4%	0%	0%	0%
			ok, <2xDL					ok, <DL	ok, <3xDL			ok, <2xDL							
ANV2	1944	302	2.5		0.5	2360	0.159	0.5	0.5	58.3	10	2.5	10	4.01	5.44	11.8	0.2	0.25	59.1
ANV2	DUPL 1947	316	2.5		0.5	2470	0.162	0.5	0.5	57.9	10	2.5	10	4.06	5.78	12.1	0.2	0.25	55.8
RPD		-5%	0%	#DIV/0!	0%	-5%	-2%	0%	0%	1%	0%	0%	0%	-1%	-6%	-3%	0%	0%	6%

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES - Bonanza/Saddle

Station	Sample ID#	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D	P-D	K-D	Se-D	Si-D	Ag-D	Na-D	Sr-D	Ti-D
	Units	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		1	4	1	0.02	0.2	0.1	1	1	10	2	200	500	5	200	1	500	0.005	1
MARY	1933	0.5	2	0.338	0.01	0.1	9.19	0.5		5	1.45	100	241	2.5	2690	0.5	1980	0.175	0.5
MARY	DUPL 1939	0.5	2	0.5	0.01	0.1	9.18	0.5		5	1.53	100	246	4.36	2700	0.5	2100	0.174	0.5
	RPD	0%	0%	-39%	0%	0%	0%	0%	#DIV/0!	0%	-5%	0%	-2%	-54%	0%	0%	-6%	1%	0%
				ok, <DL										ok, <DL					
ANV2	1944	1	2	0.5	0.01	0.1	14.1	4.5		5	2.09	100	307	2.5		0.5	2460	0.161	0.5
ANV2	DUPL 1947	1	2	0.32	0.01	0.1	14	4.58		5	2.23	100	309	2.5		0.5	2480	0.16	0.5
	RPD	0%	0%	44%	0%	0%	1%	-2%	#DIV/0!	0%	-6%	0%	-1%	0%	#DIV/0!	0%	-1%	1%	0%
				ok, <DL															

RPD is >20%

ROCK CREEK BASELINE SURFACE WATER MONITORING ANALYSIS OF DUPLICATES - Bonanza/Saddle

Station	Sample ID#	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
	Units	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		1	5	20	5			
MARY	1933	0.5	71.3	7.14	2.5	4.64	3.94	8%
MARY	DUPL 1939	0.5	82.9	10	2.5	4.76	3.93	9%
	RPD	0%	-15%	-33%	0%			
				ok, <DL				
ANV2	1944	0.5	57.7	10	2.5	6.15	4.23	19%
ANV2	DUPL 1947	0.5	58.4	10	2.5	6.19	4.05	21%
	RPD	0%	-1%	0%	0%			

RPD is >20%

Surface Water Monitoring
at Rock Creek

Other Bonanza Duplicates

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates - Bonanza/Saddle

Sample ID#	Date	Lab Work	Status	Field pH	Field Cond	Lab pH	Lab Cond	TDS	TSS	Alk	SO4	Cl	F	Br	Ammonia
Units		Order #		pH units	us/cm	pH units	us/cm	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Detection Limits (PQL)						0.1	1	10	0.5	10	0.1	0.1	0.1	0.05	0.1
DUPLICATES															
DUPL - 8010	2/23/2005	#N/A						108	0.25	109	22	2.35	0.05		0.05
DUPL - 8021	3/23/2005	#N/A						165	0.5	113	33.4	2.89	0.05		0.05
DUPL - 8028	4/6/2005	#N/A						141	0.5	119	29	2.54	0.05		0.05
DUPL - 8039	5/19/2005	#N/A				7.80	205	121	8	78	22.7	2.88	0.05		0.05
DUPL - 8051	6/13/2005	#N/A				8.00	265	153	0.2	124	11.6	2.45	0.05		0.132
DUPL 8073	8/8/2005	#N/A						174	0.8	116	31.1	2.88	0.043		0.05
DUPL 8085	9/28/2005	#N/A						144	9.5	96	25.2	3.56	0.039		0.0316
DUPL 8090	10/19/2005	#N/A						141	9.8	99	27.5	3.38	0.066		0.184
DUPL 8103	11/14/2005	#N/A						133	8.2	109	28.7	3.15	0.047		0.05
DUPL 8115	12/13/2005	#N/A						150	0.25	107	20.5	2.43	0.05		0.05
DUPL 8139	2/15/2006	#N/A						125	3.4	104	26.4	3.19	0.049		0.256
DUPL 8151	3/22/2006	#N/A						130	0.25	120	23.9	2.42	0.05		0.05
DUPL 8163	4/5/2006	#N/A						160	0.5	122	29	2.82	0.05		0.034
DUPL 8175	8/31/2006	#N/A						156	0.2	120	21.2	2.45	0.04		0.05
DUPL 1911	11/1/2006	#N/A						132	1.6	116	31.2	3.4	0.034		0.113
DUPL 1923	11/8/2006	#N/A						156	3.5	110	31.7	3.3	0.034		0.0495
DUPL 1887	11/14/2006	#N/A						160	0.5	122	49	3.37	0.036		0.05
DUPL 1899	12/5/2006	#N/A						141	0.25	102	17.4	2.49	0.05		0.0314
DUPL 1931	12/14/2006	#N/A						186	0.5	162	26.7	3.66	0.05		0.05
DUPL 1939	3/6/2007	1070914	Accepted					210	0.4	164	26.7	3.11	0.05		0.0415
DUPL 1947	11/9/2007	1076057	Accepted			7.80	370	176	0.25	136	60.4	3.22	0.047		0.05

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates - Bonanza/Saddle

Sample ID#	Date	NO3+NO2	CN-T	CN-WAD	Calc. Hardness	Al-T	Sb-T	As-T	Ba-T	Be-T	Cd-T	Ca-T	Cr-T	Co-T	Cu-T	Fe-T	Pb-T
Units		mg/L	mg/L	mg/L		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L
Detection Limits (PQL)		0.1	0.005	0.005		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2
DUPLICATES																	
DUPL - 8010	2/23/2005	0.05	0.0025	0.0025	130.60	10	0.5	2.5	3.14	0.2	0.25	37.1	0.5	2	0.5	0.02	0.1
DUPL - 8021	3/23/2005	0.05	0.0025	0.0025	142.91	10	1.93	2.5	7.89	0.2	0.25	41.3	0.5	2	0.5	0.02	0.1
DUPL - 8028	4/6/2005	0.05	0.0025	0.0025	149.58	10	0.5	5.48	4.29	0.2	0.25	42.9	0.5	2	0.5	0.02	0.1
DUPL - 8039	5/19/2005	0.5	0.0025	0.0025	99.40	244	1.82	6.35	9.48	0.2	0.25	28.3	0.5	2	1.04	0.517	0.312
DUPL - 8051	6/13/2005	0.06	0.0025	0.0027	145.62	10	1.7	9.2	3.51	0.2	0.232	48.5	0.5	2	0.5	0.02	0.1
DUPL 8073	8/8/2005	0.05	0.0025	0.0025	156.08	10	2.41	2.92	9.87	0.2	0.25	45.5	0.5	2	0.5	0.0333	0.1
DUPL 8085	9/28/2005	0.045	0.0025	0.0025	125.02	59	1.95	5.07	8.41	0.2	0.25	36.2	0.5	2	0.355	0.0958	0.189
DUPL 8090	10/19/2005	0.282	0.0025		127.52	124	1.74	4	8.66	0.2	0.25	37	0.5	2	0.403	0.168	0.318
DUPL 8103	11/14/2005	0.08	0.0025	0.0025	139.33	31	1.18	2.65	7.8	0.2	0.25	40	0.5	2	0.5	0.0581	0.1
DUPL 8115	12/13/2005	0.0325	0.0025	0.0025	117.57	10	0.5	2.5	3.13	0.2	0.25	33.2	0.5	2	0.5	0.02	0.1
DUPL 8139	2/15/2006	0.086	0.0025	0.0025	133.42	25.5	1.44	3.09	7.24	0.2	0.25	39	0.5	2	0.5	0.0369	0.1
DUPL 8151	3/22/2006	0.05	0.0025	0.0025	143.10	10	0.5	2.5	3.42	0.2	0.25	40.8	0.5	2	0.5	0.02	0.1
DUPL 8163	4/5/2006	0.05	0.0025	0.0025	150.26	10	0.389	5.77	5.22	0.2	0.158	43.5	0.5	2	0.5	0.02	0.1
DUPL 8175	8/31/2006	0.05	0.0025	0.0025	136.96	10	0.5	4.3	4.46	0.2	0.25	40.2	0.5	2	0.5	0.01	0.1
DUPL 1911	11/1/2006	0.05	0.0025	0.0025	138.80	18.1	1.42	2.5	7.86	0.2	0.25	40	0.5	2	0.5	0.0542	0.1
DUPL 1923	11/8/2006	0.05	0.0025	0.0025	144.23	26	1.66	2.5	9.62	0.2	0.25	41.4	0.5	2	0.391	0.0529	0.1
DUPL 1887	11/14/2006	0.05	0.0016	0.0025	167.60	413	3.88	7.43	12.7	0.2	0.77	48.3	0.5	2	0.522	0.0327	0.12
DUPL 1899	12/5/2006	0.05	0.0025	0.0025	115.69	10	0.5	2.5	3.5	0.2	0.25	33.8	0.5	2	0.5	0.007	0.1
DUPL 1931	12/14/2006	0.0675	0.0025	0.003	189.67	10	2.14	11.7	4.67	0.2	0.25	61.5	0.5	2	0.5	0.01	0.1
DUPL 1939	3/6/2007	0.0865	0.0025	0.0025	194.10	7.33	2.1	23.4	4.82	0.2	0.25	62.4	0.5	2	0.416	1.11	0.1
DUPL 1947	11/9/2007	0.05	0.0025	0.0025	201.20	10	3.97	5.55	11.9	0.2	0.25	57.3	1	2	0.5	0.0106	0.1

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates - Bonanza/Saddle

Sample ID#	Date	Mg-T	Mn-T	Hg-T	Mo-T	Ni-T	P-T	K-T	Se-T	Si-T	Ag-T	Na-T	Sr-T	Tl-T	Sn-T	Ti-T	V-T	Zn-T
Units		mg/L	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Detection Limits (PQL)		0.1	1	1	10	2	200	500	5	200	1	500	0.005	1	1	5	20	5

DUPLICATES

DUPL - 8010	2/23/2005	9.21	0.5	0.5	5	1	100	250	2.5		0.5	1560	0.104	0.5	0.5	23.6	10	2.5
DUPL - 8021	3/23/2005	9.65	1.19	0.5	5	1	100	250	2.5		0.5	2000	0.119	0.5	0.5	25.4	10	2.5
DUPL - 8028	4/6/2005	10.3	0.5	0.5	5	1	100	250	2.5		0.5	2000	0.121	0.5	0.5	30.1	10	2.5
DUPL - 8039	5/19/2005	6.97	21.3	3.6	5	1	100	250	2.5		0.5	2100	0.0819	0.5	0.5	39.2	10	2.5
DUPL - 8051	6/13/2005	5.93	0.5	0.3	5	1.24	100	208	2.5		0.5	1670	0.131	0.5	0.5	49	10	2.5
DUPL 8073	8/8/2005	10.3	9.09	0.2	5	1.28	100	299	2.5		0.5	2380	0.132	0.5	0.5	57.7	10	2.5
DUPL 8085	9/28/2005	8.4	14.1	2.3	5	1.38	100	266	2.5		0.5	2080	0.105	0.5	0.5	30	10	1.77
DUPL 8090	10/19/2005	8.52	23.8	2.2	5	1.22	100	219	2.5		0.5	1990	0.106	0.5	0.5	38.5	10	2.5
DUPL 8103	11/14/2005	9.57	15.4	1.7	5	1.25	100	200	2.5		0.5	1990	0.11	0.5	0.5	11.7	10	2.5
DUPL 8115	12/13/2005	8.41	0.5	0.2	5	1	100	250	2.5		0.5	1830	0.0947	0.5	0.5	34.1	10	2.5
DUPL 8139	2/15/2006	8.74	5.32	0.8	5	0.802	100	238	2.5		0.5	2230	0.112	0.5	0.5	44.4	10	2.5
DUPL 8151	3/22/2006	10	0.5	0.2	5	1.09	100	167	2.5		0.5	1680	0.113	0.5	0.5	23.3	10	2.5
DUPL 8163	4/5/2006	10.1	1.91	0.4	5	0.887	100	230	2.5		0.5	2190	0.126	0.5	0.5	44	10	14.3
DUPL 8175	8/31/2006	8.87	1.29		5	0.983	100	168	2.5		0.5	1890	0.115	0.5	0.5	50.1	10	2.5
DUPL 1911	11/1/2006	9.44	10.3		5	1.32	100	249	2.5	2410	0.5	2200	0.109	0.5	0.5	48.3	10	2.5
DUPL 1923	11/8/2006	9.91	15.1		5	1.7	100	317	2.5	2780	0.5	2580	0.115	0.5	0.5	58.5	10	2.5
DUPL 1887	11/14/2006	11.4	7.79		5	7.42	100	401	2.5	2350	0.5	2250	0.142	0.5	0.5	65.4	10	2.5
DUPL 1899	12/5/2006	7.59	0.5		5	1.33	100	162	2.5		0.5	2030	0.0908	0.355	0.607	38.1	10	2.5
DUPL 1931	12/14/2006	8.74	0.5		5	1.94	100	181	2.5	2610	0.5	2160	0.179	0.5	0.5	74.1	10	2.5
DUPL 1939	3/6/2007	9.27	3.48	0	5	1.6	100	231	2.5	2650	0.5	2080	0.176	0.5	0.5	81.1	10	5.18
DUPL 1947	11/9/2007	14.1	5.12	0	5	1.91	100	316	2.5		0.5	2470	0.162	0.5	0.5	57.9	10	2.5

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates - Bonanza/Saddle

Sample ID#	Date	Al-D	Sb-D	As-D	Ba-D	Be-D	Cd-D	Ca-D	Cr-D	Co-D	Cu-D	Fe-D	Pb-D	Mg-D	Mn-D	Hg-D	Mo-D	Ni-D
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ng/L	ug/L	ug/L
Detection Limits (PQL)		20	1	5	3	0.4	0.5	0.1	1	4	1	0.02	0.2	0.1	1	1	10	2
DUPLICATES																		
DUPL - 8010	2/23/2005	10	0.5	2.5	3.11	0.2	0.25	36.2	0.5	2	0.5	0.02	0.1	9.1	0.5		5	1
DUPL - 8021	3/23/2005	10	1.87	2.5	7.52	0.2	0.25	39.9	0.5	2	0.5	0.02	0.1	9.27	0.5		5	1
DUPL - 8028	4/6/2005	10	0.5	5.14	4.08	0.2	0.25	40.4	0.5	2	0.5	0.02	0.1	9.87	0.5		5	1
DUPL - 8039	5/19/2005	10	1.73	2.5	6.97	0.2	0.25	28.6	0.5	2	0.5	0.02	0.1	6.99	7.72		5	1
DUPL - 8051	6/13/2005	10	1.63	10	3.27	0.2	0.205	48.2	1.1	2	0.5	0.02	0.1	5.9	0.5		5	1.06
DUPL 8073	8/8/2005	10	2.31	2.2	9.35	0.2	0.25	44.1	0.5	2	0.5	0.02	0.1	9.88	7.22		5	1.05
DUPL 8085	9/28/2005	10	1.66	2.99	7.96	0.2	0.25	35.6	0.5	2	0.5	0.02	0.1	8.29	6.58		5	0.999
DUPL 8090	10/19/2005	10	1.76	2.44	6.36	0.2	0.466	37.1	0.565	2	0.5	0.02	0.1	8.57	6.3		5	1.21
DUPL 8103	11/14/2005	10	1.2	2.72	7.51	0.2	0.25	40.8	0.5	2	0.5	0.02	0.1	9.44	8.36		5	1.06
DUPL 8115	12/13/2005	10	0.5	2.5	3.39	0.2	0.25	33.8	0.5	2	0.5	0.02	0.1	8.49	0.5		5	0.634
DUPL 8139	2/15/2006	10	1.55	2.05	6.88	0.2	0.108	36.3	0.5	2	0.5	0.02	0.1	7.97	1.34		5	0.802
DUPL 8151	3/22/2006	10	0.5	2.5	3.48	0.2	0.25	39.3	0.5	2	0.5	0.02	0.1	9.72	0.5		5	0.982
DUPL 8163	4/5/2006	10	0.451	5.37	4.97	0.2	0.141	42.5	0.5	2	0.5	0.02	0.1	9.87	1.59		5	0.718
DUPL 8175	8/31/2006	10	0.34	5.35	4.52	0.2	0.25	41.9	0.5	2	0.5	0.01	0.1	9.28	1.31		5	1.53
DUPL 1911	11/1/2006	10	1.56	2.5	7.44	0.2	0.25	39.3	0.5	2	0.5	0.01	0.1	9.26	6.49		5	1.41
DUPL 1923	11/8/2006	10	2.04	2.5	9.76	0.2	0.25	42	0.421	2	0.32	0.01	0.1	10	10.8		5	1.71
DUPL 1887	11/14/2006	10	4.32	5.94	13	0.2	0.25	48.5	0.5	2	0.507	0.01	0.1	11.4	5.24		5	2.42
DUPL 1899	12/5/2006	10	0.5	2.5	3.13	0.2	0.25	33.1	0.5	2	0.5	0.01	0.1	7.33	0.5		5	1.4
DUPL 1931	12/14/2006	10	2.22	9.33	4.58	0.2	0.25	60.8	0.5	2	0.5	0.01	0.1	8.61	0.5		5	1.74
DUPL 1939	3/6/2007	10	2	23	4.5	0.2	0.25	61.7	0.5	2	0.5	0.01	0.1	9.18	0.5		5	1.53
DUPL 1947	11/9/2007	10	4.06	5.78	12.1	0.2	0.25	55.8	1	2	0.32	0.01	0.1	14	4.58		5	2.23

ROCK CREEK BASELINE SURFACE WATER MONITORING

Duplicates - Bonanza/Saddle

Sample ID#	Date	P-D	K-D	Se-D	Si-D	Ag-D	Na-D	Sr-D	TI-D	Sn-D	Ti-D	V-D	Zn-D	Anion Sum	Cation Sum	Ion Balance
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	meq	meq	
Detection Limits (PQL)		200	500	5	200	1	500	0.005	1	1	5	20	5			
DUPLICATES																
DUPL - 8010	2/23/2005	100	250	2.5		0.5	1650	0.103	0.5	0.5	24	10	2.5	3.39	2.64	13%
DUPL - 8021	3/23/2005	100	250	2.5		0.5	1870	0.115	0.5	0.5	28.2	10	2.5	4.08	2.84	18%
DUPL - 8028	4/6/2005	100	250	2.5		0.5	1980	0.116	0.5	0.5	25.8	10	2.5	3.96	2.92	15%
DUPL - 8039	5/19/2005	100	250	2.5		0.5	1960	0.0817	0.5	0.5	36	10	2.5	3.07	2.10	19%
DUPL - 8051	6/13/2005	100	217	2.5		0.5	1560	0.128	0.5	0.5	54.3	10	2.5	3.37	2.97	6%
DUPL 8073	8/8/2005	100	291	2.5		0.5	2480	0.127	0.5	0.5	59.7	10	2.5	4.02	3.13	12%
DUPL 8085	9/28/2005	100	274	2.5		0.5	2230	0.103	0.5	0.5	40.6	10	2.5	3.32	2.56	13%
DUPL 8090	10/19/2005	100	249	2.5		0.5	1960	0.106	0.5	0.5	23.3	10	2.5	3.52	2.65	14%
DUPL 8103	11/14/2005	100	192	2.5		0.5	1960	0.112	0.5	0.5	24	10	2.5	3.76	2.90	13%
DUPL 8115	12/13/2005	100	154	2.5		0.5	1890	0.096	0.5	0.5	31.7	10	2.5	3.27	2.47	14%
DUPL 8139	2/15/2006	100	263	2.5		0.5	2150	0.102	0.5	0.5	40.2	10	3.44	3.54	2.57	16%
DUPL 8151	3/22/2006	100	189	2.5		0.5	1820	0.11	0.5	0.5	23.3	10	2.5	3.71	2.85	13%
DUPL 8163	4/5/2006	100	183	2.5		0.5	2230	0.125	0.5	0.5	47.7	10	2.5	4.03	3.04	14%
DUPL 8175	8/31/2006	100	225	2.5		0.5	2110	0.121	0.5	0.5	32.5	10	3.94	3.57	2.95	9%
DUPL 1911	11/1/2006	100	245	2.5	2270	0.5	2370	0.109	0.5	0.5	49.9	10	2.5	4.04	2.83	18%
DUPL 1923	11/8/2006	100	314	2.5	2680	0.5	2660	0.116	0.5	0.5	61.4	10	2.5	3.94	3.04	13%
DUPL 1887	11/14/2006	100	386	2.5	2400	0.5	2280	0.142	0.5	0.5	69.2	10	2.95	5.09	3.47	19%
DUPL 1899	12/5/2006	100	232	2.5		0.5	1950	0.0885	0.5	0.5	41.3	10	2.5	3.01	2.35	12%
DUPL 1931	12/14/2006	100	190	2.5	2720	0.5	2100	0.175	0.5	0.5	77.4	10	4.48	4.73	3.84	10%
DUPL 1939	3/6/2007	100	246	4.36	2700	0.5	2100	0.174	0.5	0.5	82.9	10	2.5	4.76	3.93	9%
DUPL 1947	11/9/2007	100	309	2.5		0.5	2480	0.16	0.5	0.5	58.4	10	2.5	6.19	4.05	21%

Highlighting Legend for Data columns

- Highlights datapoints to be excluded from analyses due to unexplained contamination.
- Possibly suspect data, but could be explained by analytical error or sample variability.

Surface Water Monitoring
at Rock Creek

Bonanza Lab Reports



**SGS Environmental Services
Alaska Division
Level II Laboratory Data Report**

Project: NovaGold Resources Inc.
Client: AK Gold Company
SGS Work Order: 1070914

Released by:

Contents:

Cover Page
Case Narrative
Final Report Pages
Quality Control Summary Forms
Chain of Custody/Sample Receipt Forms

Note:
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.



CASE NARRATIVE

Print Date: 3/15/2007

Client Name: AK Gold Company
Project Name: NovaGold Resources Inc.
Workorder No.: 1070914

Sample Comments

Refer to the sample receipt form for information on sample condition.

<u>Lab Sample ID</u>	<u>Sample Type</u>	<u>Client Sample ID</u>
1070914006	PS	DUPL 1939
	EPA 160.2 - TSS result biased low, (torn filter). 4500NH3 - The MS for ammonia fails to meet QC criteria. The batch LCS is within QC limits.	
1070914007	PS	BLNK 1940
	300.0 - The duplicate failed for Nitrate and Total Nitrate/Nitrite - N; the difference between the sample and the duplicate was less than the PQL. 353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits. 4500CN - The MS for total cyanide fails to meet QC criteria. The batch LCS is within QC limits. 4500CN WAD - The MS for WAD cyanide fails to meet QC criteria. The batch LCS is within QC limits.	
754020	UDUP	BLNK 1940(1070914007UDUP)
	300.0 - The duplicate failed for Nitrate and Total Nitrate/Nitrite - N; the difference between the sample and the duplicate was less than the PQL.	
754099	MS	McKinley View(1070909001MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
754100	MS	Mat-Su Region...(1070909007MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
754101	MS	BLNK 1940(1070914007MS)
	353.2 - The MS for Total Nitrate/Nitrite recovered below the QC criteria. The batch LCS is within QC limits.	
754365	MB	MB for HBN 183427 [MXX/18709]
	200.8 -Se was detected in the method blank greater than 1/2 of the PQL but less than PQL.	
754491	MS	DUPL 1939(1070914006MS)
	4500NH3 - The MS for ammonia fails to meet QC criteria. The batch LCS is within QC limits.	
754569	MS	BLNK 5963(1070892007MS)
	4500CN WAD - The MS for WAD cyanide fails to meet QC criteria. The batch LCS is within QC limits.	
754571	MS	BLNK 1940(1070914007MS)
	4500CN WAD - The MS for WAD cyanide fails to meet QC criteria. The batch LCS is within QC limits.	
754573	MS	BLNK 5963(1070892007MS)
	4500CN - The MS for total cyanide fails to meet QC criteria. The batch LCS is within QC limits.	
754575	MS	BLNK 1940(1070914007MS)
	4500CN - The MS for total cyanide fails to meet QC criteria. The batch LCS is within QC limits.	



Laboratory Analytical Report

Client: **AK Gold Company**
111 W 16th Ave Suite 301
Anchorage, AK 99501

Attn: **Charlotte MacCay**
T: (907)563-0013 F:(907)563-6713

Project: **NovaGold Resources Inc.**
Workorder No.: **1070914**

Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Stephen Ede
Stephen.Ede@sgs.com
Technical Director

Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



SAMPLE SUMMARY

Print Date: 3/15/2007

Client Name: AK Gold Company
Project Name: NovaGold Resources Inc.
Workorder No.: 1070914

Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO3 QC	SM20 2320B
Ammonia-N (W) SM4500-F	SM20 4500-NH3 F
Ion Chromatographic Analysis (W)	EPA 300.0
Low Level Mercury EPA 1631	EPA 1631 E
Metals in Drinking Water by ICP DISSOLVE	EP200.7
Metals in Drinking Water by ICP-MS DISSO	EP200.8
Metals in Water by 200.7 ICP	EP200.7
Metals in Water by 200.8 ICP-MS	EP200.8
Nitrate/Nitrite Flow injection Pres.	EPA 353.2
Total Cyanide SM4500CN	SM20 4500-CN C,E
Total Dissolved Solids SM18 2540C	SM20 2540C
Total Suspended Solids EPA 160.2	EPA 160.2
Weak Acid Disassociable Cyanide	SM20 4500-CN I

Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1070914001	MARY 1933
1070914002	BOST 1934
1070914003	ANV2 1936
1070914004	ANV3 1937
1070914005	ANV4 1938
1070914006	DUPL 1939
1070914007	BLNK 1940
1070914008	MARY 1933
1070914009	BOST 1934
1070914010	ANV2 1936
1070914011	ANV3 1937
1070914012	ANV4 1938
1070914013	DUPL 1939
1070914014	BLNK 1940



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **MARY 1933**
SGS Ref. #: 1070914001
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 10:05
Receipt Date/Time: 03/07/07 09:35

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	62.5	1.00	0.310	mg/L	10	MIP5256	MXX18710	
Mercury	ND	1.00	0.500	ng/L	1	MCV3592	MXX18703	
Iron	0.0293	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Magnesium	9.22	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Strontium	0.176	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MCV3592 Analytical Method: EPA 1631 E Analysis Date/Time: 03/12/07 14:19 Dilution Factor: 1	Prep Batch: MXX18703 Prep Method: METHOD Prep Date/Time: 03/08/07 11:48	Initial Prep Wt./Vol.: 100 mL Prep Extract Vol.: 100 mL Container ID:1070914001-H Analyst: AFH
Analytical Batch: MIP5256 Analytical Method: EP200.7 Analysis Date/Time: 03/15/07 08:53 Dilution Factor: 1	Prep Batch: MXX18710 Prep Method: E200.2 Prep Date/Time: 03/13/07 16:00	Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 25 mL Container ID:1070914001-G Analyst: TK
Analytical Batch: MIP5256 Analytical Method: EP200.7 Analysis Date/Time: 03/15/07 09:55 Dilution Factor: 10	Prep Batch: MXX18710 Prep Method: E200.2 Prep Date/Time: 03/13/07 16:00	Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 25 mL Container ID:1070914001-G Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **MARY 1933**
SGS Ref. #: 1070914001
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 10:05
Receipt Date/Time: 03/07/07 09:35

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	12.4 J	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	2.26	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	22.4	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	4.88	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	0.328 J	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	0.358 J	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	0.0915 J	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	1.84	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.57 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	226 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	6.17	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Sodium	2120	500	150	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Zinc	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2690	200	100	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Thallium	0.802 J	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Tin	2.47	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	78.3	5.00	1.50	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 14:07
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914001-G
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **MARY 1933**
 SGS Ref. #: 1070914001
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 10:05
 Receipt Date/Time: 03/07/07 09:35

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.103	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	24.6	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	2.85	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	0.800	0.500	0.150	mg/L		STS2971		
Alkalinity	164	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	208	10.0	3.10	mg/L	1	WAT6249		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070914001-D
 Analyst: ACF

Analytical Batch: WAT6249 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/12/07 13:45 Container ID:1070914001-C
 Dilution Factor: 1 Analyst: ACF

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:02 Prep Date/Time: 03/14/07 09:00 Container ID:1070914001-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 10:04 Container ID:1070914001-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 14:21 Prep Date/Time: 03/08/07 07:18 Container ID:1070914001-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070914001-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **MARY 1933**
SGS Ref. #: 1070914001
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 10:05
Receipt Date/Time: 03/07/07 09:35

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914001-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914001-E
Analyst: ACF



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: BOST 1934
SGS Ref. #: 1070914002
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 11:00
Receipt Date/Time: 03/07/07 09:35

Metals Department

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Mercury, Iron, Magnesium, and Strontium.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **BOST 1934**
SGS Ref. #: 1070914002
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 11:00
Receipt Date/Time: 03/07/07 09:35

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	3.14	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	0.869 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	184 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	ND	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Sodium	1700	500	150	ug/L	5	MMS4707	MXX18709	
Zinc	2.75 J	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2230	200	100	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	41.8	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:03
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914002-G
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **BOST 1934**
 SGS Ref. #: 1070914002
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 11:00
 Receipt Date/Time: 03/07/07 09:35

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0590 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	21.5	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	2.45	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS2971		
Alkalinity	112	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	139	10.0	3.10	mg/L	1	WAT6249		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070914002-D
 Analyst: ACF

Analytical Batch: WAT6249 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/12/07 13:45 Container ID:1070914002-C
 Dilution Factor: 1 Analyst: ACF

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:02 Prep Date/Time: 03/14/07 09:00 Container ID:1070914002-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 10:06 Container ID:1070914002-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 14:40 Prep Date/Time: 03/08/07 07:18 Container ID:1070914002-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070914002-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **BOST 1934**
SGS Ref. #: 1070914002
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 11:00
Receipt Date/Time: 03/07/07 09:35

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914002-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914002-E
Analyst: ACF



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: ANV2 1936
SGS Ref. #: 1070914003
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:00
Receipt Date/Time: 03/07/07 09:35

Metals Department

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Mercury, Iron, Magnesium, and Strontium.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV2 1936**
SGS Ref. #: 1070914003
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:00
Receipt Date/Time: 03/07/07 09:35

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	28.6	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	5.12	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	5.80	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	12.8	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	0.676 J	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	0.0660 J	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	5.47	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.44 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	343 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	ND	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Sodium	1990	500	150	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Zinc	11.3	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2200	200	100	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	70.2	5.00	1.50	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:08
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914003-G
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV2 1936**
SGS Ref. #: 1070914003
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:00
Receipt Date/Time: 03/07/07 09:35

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0590 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	61.1	0.200	0.0620	mg/L	2	WIC4018	WXX5741	
Chloride	3.39	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	0.0380 J	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	3.00	0.500	0.150	mg/L		STS2971		
Alkalinity	138	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	228	10.0	3.10	mg/L	1	WAT6249		



Client Sample ID: **ANV2 1936**
 SGS Ref. #: 1070914003
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 12:00
 Receipt Date/Time: 03/07/07 09:35

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS2971						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: EPA 160.2								
Analysis Date/Time: 03/07/07 12:00						Container ID:1070914003-D Analyst: ACF		
Analytical Batch: WAT6249						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 03/12/07 13:45						Container ID:1070914003-C Analyst: ACF		
Dilution Factor: 1								
Analytical Batch: WDA1032						Prep Batch: WXX5749		
Analytical Method: SM20 4500-NH3 F						Prep Method: EXT/4500F1		
Analysis Date/Time: 03/14/07 11:10						Prep Date/Time: 03/14/07 09:00		
Dilution Factor: 1						Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 50 mL Container ID:1070914003-F Analyst: AZS		
Analytical Batch: WFI1394						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: EPA 353.2								
Analysis Date/Time: 03/08/07 10:07						Container ID:1070914003-A Analyst: JDS		
Dilution Factor: 5								
Analytical Batch: WIC4018						Prep Batch: WXX5741		
Analytical Method: EPA 300.0						Prep Method: H2O/EP300		
Analysis Date/Time: 03/08/07 15:00						Prep Date/Time: 03/08/07 07:18		
Dilution Factor: 1						Initial Prep Wt./Vol.: 10 mL Prep Extract Vol.: 10 mL Container ID:1070914003-B Analyst: JDS		
Analytical Batch: WIC4018						Prep Batch: WXX5741		
Analytical Method: EPA 300.0						Prep Method: H2O/EP300		
Analysis Date/Time: 03/08/07 18:15						Prep Date/Time: 03/08/07 07:18		
Dilution Factor: 2						Initial Prep Wt./Vol.: 10 mL Prep Extract Vol.: 10 mL Container ID:1070914003-B Analyst: JDS		
Analytical Batch: WTI2753						Initial Prep Wt./Vol.: 100 mL		
Analytical Method: SM20 2320B								
Analysis Date/Time: 03/09/07 15:00						Container ID:1070914003-C Analyst: PLW		
Dilution Factor: 1								



Client Sample ID: ANV2 1936
SGS Ref. #: 1070914003
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:00
Receipt Date/Time: 03/07/07 09:35

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914003-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914003-E
Analyst: ACF



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: ANV3 1937
SGS Ref. #: 1070914004
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:30
Receipt Date/Time: 03/07/07 09:35

Metals Department

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Mercury, Iron, Magnesium, and Strontium.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV3 1937**
SGS Ref. #: 1070914004
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:30
Receipt Date/Time: 03/07/07 09:35

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	18.3 J	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	2.04	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	7.71	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	6.61	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.05 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	252 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	ND	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Sodium	2070	500	150	ug/L	5	MMS4707	MXX18709	
Zinc	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2210	200	100	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	48.3	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707	Prep Batch: MXX18709	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.8	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 03/14/07 15:12	Prep Date/Time: 03/13/07 16:00	Container ID:1070914004-G
Dilution Factor: 5		Analyst: TK



Client Sample ID: ANV3 1937
SGS Ref. #: 1070914004
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:30
Receipt Date/Time: 03/07/07 09:35

Waters Department

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Sulfate, Total Nitrate/Nitrite-N, Chloride, Fluoride, Total Suspended Solids, Alkalinity, Ammonia-N, Total Dissolved Solids.

Batch Information

Analytical Batch: STS2971
Analytical Method: EPA 160.2
Analysis Date/Time: 03/07/07 12:00
Initial Prep Wt./Vol.: 1000 mL
Container ID:1070914004-D
Analyst: ACF

Analytical Batch: WAT6249
Analytical Method: SM20 2540C
Analysis Date/Time: 03/12/07 13:45
Dilution Factor: 1
Initial Prep Wt./Vol.: 80 mL
Container ID:1070914004-C
Analyst: ACF

Analytical Batch: WDA1032
Analytical Method: SM20 4500-NH3 F
Analysis Date/Time: 03/14/07 11:20
Dilution Factor: 1
Prep Batch: WXX5749
Prep Method: EXT/4500F1
Prep Date/Time: 03/14/07 09:00
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1070914004-F
Analyst: AZS

Analytical Batch: WFI1394
Analytical Method: EPA 353.2
Analysis Date/Time: 03/08/07 10:09
Dilution Factor: 5
Initial Prep Wt./Vol.: 5 mL
Container ID:1070914004-A
Analyst: JDS

Analytical Batch: WIC4018
Analytical Method: EPA 300.0
Analysis Date/Time: 03/08/07 15:19
Dilution Factor: 1
Prep Batch: WXX5741
Prep Method: H2O/EP300
Prep Date/Time: 03/08/07 07:18
Initial Prep Wt./Vol.: 10 mL
Prep Extract Vol.: 10 mL
Container ID:1070914004-B
Analyst: JDS

Analytical Batch: WTI2753
Analytical Method: SM20 2320B
Analysis Date/Time: 03/09/07 15:00
Dilution Factor: 1
Initial Prep Wt./Vol.: 100 mL
Container ID:1070914004-C
Analyst: PLW



Client Sample ID: ANV3 1937
SGS Ref. #: 1070914004
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:30
Receipt Date/Time: 03/07/07 09:35

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914004-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914004-E
Analyst: ACF



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV4 1938**
 SGS Ref. #: 1070914005
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 13:15
 Receipt Date/Time: 03/07/07 09:35

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	40.0	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Mercury	0.796 J	1.00	0.500	ng/L	1	MCV3592	MXX18703	
Iron	0.0140 J	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Magnesium	9.82	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Strontium	0.111	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MCV3592	Prep Batch: MXX18703	Initial Prep Wt./Vol.: 100 mL
Analytical Method: EPA 1631 E	Prep Method: METHOD	Prep Extract Vol.: 100 mL
Analysis Date/Time: 03/12/07 15:31	Prep Date/Time: 03/08/07 11:48	Container ID:1070914005-H
Dilution Factor: 1		Analyst: AFH
Analytical Batch: MIP5256	Prep Batch: MXX18710	Initial Prep Wt./Vol.: 50 mL
Analytical Method: EP200.7	Prep Method: E200.2	Prep Extract Vol.: 25 mL
Analysis Date/Time: 03/15/07 09:21	Prep Date/Time: 03/13/07 16:00	Container ID:1070914005-G
Dilution Factor: 1		Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV4 1938**
 SGS Ref. #: 1070914005
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 13:15
 Receipt Date/Time: 03/07/07 09:35

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	6.30 J	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	1.40	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	18.9	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	0.514 J	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	7.07	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.07 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	284 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	ND	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Sodium	2220	500	150	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Zinc	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2270	200	100	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	51.5	5.00	1.50	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
 Analytical Method: EP200.8
 Analysis Date/Time: 03/14/07 15:16
 Dilution Factor: 5

Prep Batch: MXX18709
 Prep Method: E200.2
 Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
 Prep Extract Vol.: 25 mL
 Container ID:1070914005-A
 Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV4 1938**
 SGS Ref. #: 1070914005
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 13:15
 Receipt Date/Time: 03/07/07 09:35

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0610 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	32.3	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	3.16	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	0.0360 J	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	ND	0.500	0.150	mg/L		STS2971		
Alkalinity	110	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	160	10.0	3.10	mg/L	1	WAT6249		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070914005-D
 Analyst: ACF

Analytical Batch: WAT6249 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/12/07 13:45 Container ID:1070914005-C
 Dilution Factor: 1 Analyst: ACF

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:21 Prep Date/Time: 03/14/07 09:00 Container ID:1070914005-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 10:10 Container ID:1070914005-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 15:38 Prep Date/Time: 03/08/07 07:18 Container ID:1070914005-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070914005-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **ANV4 1938**
SGS Ref. #: 1070914005
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 13:15
Receipt Date/Time: 03/07/07 09:35

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914005-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914005-E
Analyst: ACF



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **DUPL 1939**
SGS Ref. #: 1070914006
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	62.4	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Mercury	0.514 J	1.00	0.500	ng/L	1	MCV3592	MXX18703	
Iron	1.11	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Magnesium	9.27	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Strontium	0.176	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MCV3592
Analytical Method: EPA 1631 E
Analysis Date/Time: 03/12/07 15:45
Dilution Factor: 1

Prep Batch: MXX18703
Prep Method: METHOD
Prep Date/Time: 03/08/07 11:48

Initial Prep Wt./Vol.: 100 mL
Prep Extract Vol.: 100 mL
Container ID:1070914006-H
Analyst: AFH

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:24
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914006-G
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **DUPL 1939**
SGS Ref. #: 1070914006
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	7.33 J	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	2.10	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	23.4	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	4.82	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	0.416 J	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	3.48	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.60 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	231 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	ND	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Sodium	2080	500	150	ug/L	5	MMS4707	MXX18709	
Zinc	5.18	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2700	200	100	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	81.1	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:21
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914006-G
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **DUPL 1939**
 SGS Ref. #: 1070914006
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 00:00
 Receipt Date/Time: 03/07/07 09:35

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0865 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	26.7	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	3.11	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	0.400 J	0.500	0.150	mg/L		STS2971		
Alkalinity	164	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	0.0415 J	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	210	10.0	3.10	mg/L	1	WAT6249		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070914006-D
 Analyst: ACF

Analytical Batch: WAT6249 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/12/07 13:45 Container ID:1070914006-C
 Dilution Factor: 1 Analyst: ACF

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:10 Prep Date/Time: 03/14/07 09:00 Container ID:1070914006-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 10:12 Container ID:1070914006-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 15:57 Prep Date/Time: 03/08/07 07:18 Container ID:1070914006-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070914006-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **DUPL 1939**
SGS Ref. #: 1070914006
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914006-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914006-E
Analyst: ACF



Client Sample ID: **BLNK 1940**
SGS Ref. #: 1070914007
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:27
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914007-G
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: BLNK 1940
SGS Ref. #: 1070914007
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and limits.

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:25
Dilution Factor: 5
Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914007-G
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **BLNK 1940**
 SGS Ref. #: 1070914007
 Project ID: NovaGold Resources Inc.
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 03/06/07 00:00
 Receipt Date/Time: 03/07/07 09:35

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Total Nitrate/Nitrite-N	0.0415 J	0.100	0.0310	mg/L	5	WFI1394		
Sulfate	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Chloride	0.117	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4018	WXX5741	
Total Suspended Solids	0.800	0.500	0.150	mg/L		STS2971		
Alkalinity	ND	10.0	3.10	mg/L	1	WTI2753		
Ammonia-N	0.0451 J	0.100	0.0310	mg/L	1	WDA1032	WXX5749	
Total Dissolved Solids	ND	10.0	3.10	mg/L	1	WAT6249		

Batch Information

Analytical Batch: STS2971 Initial Prep Wt./Vol.: 1000 mL
 Analytical Method: EPA 160.2
 Analysis Date/Time: 03/07/07 12:00 Container ID:1070914007-D
 Analyst: ACF

Analytical Batch: WAT6249 Initial Prep Wt./Vol.: 80 mL
 Analytical Method: SM20 2540C
 Analysis Date/Time: 03/12/07 13:45 Container ID:1070914007-C
 Dilution Factor: 1 Analyst: ACF

Analytical Batch: WDA1032 Prep Batch: WXX5749 Initial Prep Wt./Vol.: 50 mL
 Analytical Method: SM20 4500-NH3 F Prep Method: EXT/4500F1 Prep Extract Vol.: 50 mL
 Analysis Date/Time: 03/14/07 11:21 Prep Date/Time: 03/14/07 09:00 Container ID:1070914007-F
 Dilution Factor: 1 Analyst: AZS

Analytical Batch: WFI1394 Initial Prep Wt./Vol.: 5 mL
 Analytical Method: EPA 353.2
 Analysis Date/Time: 03/08/07 10:13 Container ID:1070914007-A
 Dilution Factor: 5 Analyst: JDS

Analytical Batch: WIC4018 Prep Batch: WXX5741 Initial Prep Wt./Vol.: 10 mL
 Analytical Method: EPA 300.0 Prep Method: H2O/EP300 Prep Extract Vol.: 10 mL
 Analysis Date/Time: 03/08/07 16:55 Prep Date/Time: 03/08/07 07:18 Container ID:1070914007-B
 Dilution Factor: 1 Analyst: JDS

Analytical Batch: WTI2753 Initial Prep Wt./Vol.: 100 mL
 Analytical Method: SM20 2320B
 Analysis Date/Time: 03/09/07 15:00 Container ID:1070914007-C
 Dilution Factor: 1 Analyst: PLW



Client Sample ID: **BLNK 1940**
SGS Ref. #: 1070914007
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Inorganic Contaminants

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Cyanide	ND	0.0050	0.0015	mg/L	1	WSP4456	WXX5750	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WSP4457	WXX5751	

Batch Information

Analytical Batch: WSP4456
Analytical Method: SM20 4500-CN C,E
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5750
Prep Method: EXT/4500CN
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914007-E
Analyst: AZS

Analytical Batch: WSP4457
Analytical Method: SM20 4500-CN I
Analysis Date/Time: 03/14/07 08:30
Dilution Factor: 1

Prep Batch: WXX5751
Prep Method: EXT/WADCN1
Prep Date/Time: 03/13/07 08:30

Initial Prep Wt./Vol.: 6 mL
Prep Extract Vol.: 6 mL
Container ID:1070914007-E
Analyst: ACF



Client Sample ID: **MARY 1933**
SGS Ref. #: 1070914008
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 10:05
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	61.9	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Strontium	0.175	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	
Magnesium	9.19	0.100	0.0310	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:30
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914008-B
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: MARY 1933
SGS Ref. #: 1070914008
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 10:05
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and limits.

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:29
Dilution Factor: 5
Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914008-B
Analyst: TK



Client Sample ID: **BOST 1934**
SGS Ref. #: 1070914009
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 11:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	36.4	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Strontium	0.102	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	
Magnesium	9.13	0.100	0.0310	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:32
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914009-B
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: BOST 1934
SGS Ref. #: 1070914009
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 11:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows list various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and limits.

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:46
Dilution Factor: 5
Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914009-B
Analyst: TK



Client Sample ID: **ANV2 1936**
SGS Ref. #: 1070914010
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	54.7	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Strontium	0.164	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	
Magnesium	14.4	0.100	0.0310	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:35
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914010-B
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV2 1936**
SGS Ref. #: 1070914010
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	4.99	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	3.23 J	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	12.1	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	0.577 J	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	3.02	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.51 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	315 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	ND	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Sodium	2110	500	150	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Zinc	2.73 J	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2240	200	100	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	69.9	5.00	1.50	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:50
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914010-B
Analyst: TK



Client Sample ID: **ANV3 1937**
SGS Ref. #: 1070914011
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:30
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	40.1	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Strontium	0.113	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	
Magnesium	8.94	0.100	0.0310	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:38
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914011-B
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV3 1937**
SGS Ref. #: 1070914011
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 12:30
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	2.07	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	7.39	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	4.77	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.06 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	282 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	ND	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Sodium	2020	500	150	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Silicon	2150	200	100	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	44.5	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Zinc	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:55
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914011-B
Analyst: TK



Client Sample ID: **ANV4 1938**
SGS Ref. #: 1070914012
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 13:15
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	40.9	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Strontium	0.113	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	
Magnesium	10.0	0.100	0.0310	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:41
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914012-B
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **ANV4 1938**
SGS Ref. #: 1070914012
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 13:15
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	1.39	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	7.72	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	6.42	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.14 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	298 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	4.41 J	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Sodium	2280	500	150	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Silicon	2320	200	100	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	46.7	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Vanadium	7.01 J	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Zinc	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 15:59
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914012-B
Analyst: TK



Client Sample ID: **DUPL 1939**
SGS Ref. #: 1070914013
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	61.7	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Strontium	0.174	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	
Magnesium	9.18	0.100	0.0310	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:43
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914013-B
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: **DUPL 1939**
SGS Ref. #: 1070914013
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Antimony	2.00	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Arsenic	23.0	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Barium	4.50	3.00	0.940	ug/L	5	MMS4707	MXX18709	
Beryllium	ND	0.400	0.130	ug/L	5	MMS4707	MXX18709	
Cadmium	ND	0.500	0.150	ug/L	5	MMS4707	MXX18709	
Chromium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Cobalt	ND	4.00	1.20	ug/L	5	MMS4707	MXX18709	
Copper	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Lead	ND	0.200	0.0620	ug/L	5	MMS4707	MXX18709	
Manganese	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS4707	MXX18709	
Nickel	1.53 J	2.00	0.620	ug/L	5	MMS4707	MXX18709	
Phosphorus	ND	200	62.0	ug/L	5	MMS4707	MXX18709	
Potassium	246 J	500	150	ug/L	5	MMS4707	MXX18709	
Selenium	4.36 J	5.00	1.50	ug/L	5	MMS4707	MXX18709	
Silver	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Sodium	2100	500	150	ug/L	5	MMS4707	MXX18709	
Thallium	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Vanadium	ND	20.0	6.20	ug/L	5	MMS4707	MXX18709	
Zinc	ND	5.00	2.50	ug/L	5	MMS4707	MXX18709	
Silicon	2650	200	100	ug/L	5	MMS4707	MXX18709	
Tin	ND	1.00	0.310	ug/L	5	MMS4707	MXX18709	
Titanium	82.9	5.00	1.50	ug/L	5	MMS4707	MXX18709	

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 16:03
Dilution Factor: 5

Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914013-B
Analyst: TK



Client Sample ID: **BLNK 1940**
SGS Ref. #: 1070914014
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	ND	0.100	0.0310	mg/L	1	MIP5256	MXX18710	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5256	MXX18710	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5256	MXX18710	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5256	MXX18710	

Batch Information

Analytical Batch: MIP5256
Analytical Method: EP200.7
Analysis Date/Time: 03/15/07 09:46
Dilution Factor: 1

Prep Batch: MXX18710
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914014-B
Analyst: TK



AK Gold Company

Print Date: 3/15/2007

Client Sample ID: BLNK 1940
SGS Ref. #: 1070914014
Project ID: NovaGold Resources Inc.
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 03/06/07 00:00
Receipt Date/Time: 03/07/07 09:35

Dissolved Metals by ICP/MS

Table with 9 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective results and limits.

Batch Information

Analytical Batch: MMS4707
Analytical Method: EP200.8
Analysis Date/Time: 03/14/07 16:08
Dilution Factor: 5
Prep Batch: MXX18709
Prep Method: E200.2
Prep Date/Time: 03/13/07 16:00
Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1070914014-B
Analyst: TK



**SGS Environmental Services
Alaska Division
Level II Laboratory Data Report**

Project: Rock Creek
Client: AK Gold Company
SGS Work Order: 1076057

Released by:

Contents:

Cover Page
Case Narrative
Final Report Pages
Quality Control Summary Forms
Chain of Custody/Sample Receipt Forms

Note:
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.



CASE NARRATIVE

Print Date: 12/6/2007

Client Name: AK Gold Company

Project Name: Rock Creek

Workorder No.: 1076057

Sample Comments

Refer to the sample receipt form for information on sample condition.

<u>Lab Sample ID</u>	<u>Sample Type</u>	<u>Client Sample ID</u>
1076057003	PS	ANV1 1943
	4500NH3F - Ammonia - The matrix spike recovered above the QC criteria. The batch LCS is within QC limits. 4500NH3F - Ammonia - The sample and the sample duplicate RPD do not meet QC goals. The sample and duplicate are below the PQL.	
1076057008	PS	BLNK 1948
	EP150.1 - pH - pH reading analyzed without stir bar. pH reading fluctuates between 6.02 and 6.71 when analyzed with stir bar.	
805402	MS	MARY 1941(1076057001MS)
	200.8 - Metals - Matrix spike recovery for calcium did not meet QC criteria. Calcium concentration in the sample is greater than 4x the spike concentration.	
805938	MB	MB for HBN 194730 [MXX/19783]
	1631-Mercury-Mercury was detected in the method blank. Concentration of mercury was below the PQL.	
806217	UDUP	SABC 5972(1076030001UDUP)
	300.0 - Anions - The duplicate did not meet QC goals for nitrate and total nitrate/nitrite; the difference between the sample and the duplicate was less than the PQL.	
806220	BN1	MARY 1941(1076057001BN1)
	300.0 - Anions - The matrix spike recovered outside of acceptance criteria for sulfate. See LCS for quality control requirements.	
806459	DUP	Plant Filtrate(1076096001DUP)
	SM2320B - Alkalinity - Sample received after hold time	
808788	DUP	ANV1 1943(1076057003DUP)
	4500NH3F - Ammonia - The sample and the sample duplicate RPD do not meet QC goals. The sample and duplicate are below the PQL.	
808789	MS	ANV1 1943(1076057003MS)
	4500NH3F - Ammonia - The matrix spike recovered above the QC criteria. The batch LCS is within QC limits.	
808791	MS	MW07-11(1076151001MS)
	4500NH3F - Ammonia - The matrix spike recovered above the QC criteria. The batch LCS is within QC limits.	



Laboratory Analytical Report

Client: **AK Gold Company**

P.O. Box 640
115 6th Ave West
Nome, AK 997620640

Attn: **Brent Murphy**

T: (907)443-4622 F:(907)443-4661
brent.murphy@novagold.net

Project: **Rock Creek**

Workorder No.: **1076057**

Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Stephen Ede
Stephen.Ede@sgs.com
Technical Director

Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The laboratory certification numbers are AK971-05 (DW), UST-005 (CS) and AK00971 (Micro) for ADEC and 001582 for NELAP (RCRA methods: 1010/1020, 1311, 6000/7000, 9040/9045, 9056, 9060, 9065, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard

Note: Soil samples are reported on a dry weight basis unless otherwise specified



SAMPLE SUMMARY

Print Date: 12/6/2007

Client Name: AK Gold Company
Project Name: Rock Creek
Workorder No.: 1076057

Analytical Methods

<u>Method Description</u>	<u>Analytical Method</u>
Alkalinity as CaCO3 QC	SM20 2320B
Ammonia-N (W) SM4500-F	SM20 4500-NH3 F
Conductivity SM2510B	SM20 2510B
Ion Chromatographic Analysis (W)	EPA 300.0
Low Level Mercury EPA 1631	EPA 1631 E
Metals in Drinking Water by ICP DISSOLVE	EP200.7
Metals in Drinking Water by ICP-MS DISSO	EP200.8
Metals in Water by 200.7 ICP	EP200.7
Metals in Water by 200.8 ICP-MS	EP200.8
Nitrate/Nitrite Flow injection Pres.	SM20 4500NO3-F
pH Analysis	SM20 4500-H B
Total Cyanide SM4500 (W) Kone Lab	SM20 4500-CN C,E
Total Dissolved Solids SM18 2540C	SM20 2540C
Total Suspended Solids SM20 2540D	SM20 2540D
Weak Acid Disassociable Cyanide Kone	SM20 4500-CN I

Sample ID Cross Reference

<u>Lab Sample ID</u>	<u>Client Sample ID</u>
1076057001	MARY 1941
1076057002	BOST 1942
1076057003	ANV1 1943
1076057004	ANV2 1944
1076057005	ANV3 1945
1076057006	ANV4 1946
1076057007	DUPL 1947
1076057008	BLNK 1948
1076057009	MARY 1941
1076057010	BOST 1942
1076057011	ANV1 1943
1076057012	ANV2 1944
1076057013	ANV3 1945
1076057014	ANV4 1946
1076057015	DUPL 1947
1076057016	BLNK 1948



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **MARY 1941**
SGS Ref. #: 1076057001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 15:00
Receipt Date/Time: 11/12/07 08:10

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	66.9	0.200	0.0620	mg/L	2	MIP5416	MXX19767	
Iron	0.0107 J	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Magnesium	9.53	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Strontium	0.183	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Mercury	ND	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763 Analytical Method: EPA 1631 E Analysis Date/Time: 11/15/07 15:38 Dilution Factor: 1	Prep Batch: MXX19783 Prep Method: METHOD Prep Date/Time: 11/14/07 09:40	Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 50 mL Container ID:1076057001-H Analyst: AFH
Analytical Batch: MIP5416 Analytical Method: EP200.7 Analysis Date/Time: 11/16/07 13:49 Dilution Factor: 2	Prep Batch: MXX19767 Prep Method: E200.2 Prep Date/Time: 11/13/07 08:00	Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 25 mL Container ID:1076057001-A Analyst: NRB
Analytical Batch: MIP5416 Analytical Method: EP200.7 Analysis Date/Time: 11/16/07 13:55 Dilution Factor: 1	Prep Batch: MXX19767 Prep Method: E200.2 Prep Date/Time: 11/13/07 08:00	Initial Prep Wt./Vol.: 50 mL Prep Extract Vol.: 25 mL Container ID:1076057001-A Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **MARY 1941**
SGS Ref. #: 1076057001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 15:00
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	8.85 J	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	2.58	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	14.5	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	5.05	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	0.501 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	0.112 J	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	0.646 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	2.12	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	219 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2260	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	0.602 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	69.4	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 20:23
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057001-A
Analyst: MH



Client Sample ID: **MARY 1941**
SGS Ref. #: 1076057001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 15:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Chloride	3.28	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	0.0330 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	26.8	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	166	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	2.11	0.556	0.167	mg/L		STS3101		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1210	WXX6266	
Conductivity	365	1.00	0.477	umhos/cm		WAT6659		
Cyanide	0.0015 J	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	8.00	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	205	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **MARY 1941**
 SGS Ref. #: 1076057001
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 11/09/07 15:00
 Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3101						Initial Prep Wt./Vol.: 900 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076057001-G Analyst: CLS		
Analytical Batch: WAT6658						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 13:30						Container ID:1076057001-F Analyst: JDH		
Dilution Factor: 1								
Analytical Batch: WAT6659						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076057001-F Analyst: CLS		
Analytical Batch: WDA1199		Prep Batch: WXX6245		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 13:02		Prep Date/Time: 11/13/07 08:00		Container ID:1076057001-C		Analyst: HP		
Dilution Factor: 1								
Analytical Batch: WDA1201		Prep Batch: WXX6250		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN I		Prep Method: EXT/WAD1		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 16:03		Prep Date/Time: 11/13/07 08:00		Container ID:1076057001-C		Analyst: HP		
Dilution Factor: 1								
Analytical Batch: WDA1210		Prep Batch: WXX6266		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 11/29/07 17:21		Prep Date/Time: 11/29/07 09:00		Container ID:1076057001-D		Analyst: TRM		
Dilution Factor: 1								
Analytical Batch: WFI1527						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/13/07 16:34						Container ID:1076057001-B Analyst: LCP		
Dilution Factor: 5								
Analytical Batch: WIC4126						Initial Prep Wt./Vol.: 10 mL		
Analytical Method: EPA 300.0						Prep Extract Vol.: 10 mL		
Analysis Date/Time: 11/15/07 19:53						Container ID:1076057001-A Analyst: LCP		
Dilution Factor: 1								
Analytical Batch: WPH5295						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 10:30						Container ID:1076057001-F Analyst: CLS		



Client Sample ID: **MARY 1941**
SGS Ref. #: 1076057001
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 15:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900								Initial Prep Wt./Vol.: 100 mL
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 12:40								Container ID:1076057001-F
Dilution Factor: 1								Analyst: JDH



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: BOST 1942
SGS Ref. #: 1076057002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 11:20
Receipt Date/Time: 11/12/07 08:10

Metals Department

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Iron, Magnesium, Strontium, and Mercury.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, and Initial Prep Wt./Vol. Rows provide details for two different analytical batches.



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **BOST 1942**
SGS Ref. #: 1076057002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 11:20
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	16.9	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	0.139 J	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.22 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	185 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	1980	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	0.649 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	41.4	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Zinc	4.60 J	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/14/07 20:45
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057002-E
Analyst: MH



Client Sample ID: **BOST 1942**
SGS Ref. #: 1076057002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 11:20
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Chloride	2.59	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	0.0310 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	25.4	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	111	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	ND	0.500	0.150	mg/L		STS3101		
Ammonia-N	0.671	0.100	0.0310	mg/L	1	WDA1210	WXX6266	
Conductivity	260	1.00	0.477	umhos/cm		WAT6659		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	7.61	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	138	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: BOST 1942
SGS Ref. #: 1076057002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 11:20
Receipt Date/Time: 11/12/07 08:10

Waters Department

Table with columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Contains multiple rows of batch information for various analytical batches.



Client Sample ID: **BOST 1942**
SGS Ref. #: 1076057002
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 11:20
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900								Initial Prep Wt./Vol.: 100 mL
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 12:53								Container ID:1076057002-F
Dilution Factor: 1								Analyst: JDH



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV1 1943**
SGS Ref. #: 1076057003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:25
Receipt Date/Time: 11/12/07 08:10

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	48.0	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	0.00715 J	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Magnesium	8.74	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Strontium	0.144	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Mercury	1.20	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 15:52
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076057003-H
Analyst: AFH

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 14:12
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057003-E
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV1 1943**
SGS Ref. #: 1076057003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:25
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	0.382 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	10.3	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	0.988 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.59 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	154 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2160	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	49.2	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/15/07 00:22
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057003-E
Analyst: MH



Client Sample ID: **ANV1 1943**
SGS Ref. #: 1076057003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:25
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	3.08	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	0.0390 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	0.146	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	29.0	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Alkalinity	120	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	ND	0.500	0.150	mg/L		STS3101		
Ammonia-N	0.0539 J	0.100	0.0310	mg/L	1	WDA1214	WXX6271	
Conductivity	280	1.00	0.477	umhos/cm		WAT6659		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	7.72	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	104	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: ANV1 1943
SGS Ref. #: 1076057003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:25
Receipt Date/Time: 11/12/07 08:10

Waters Department

Table with columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Contains multiple rows of batch information for various analytical batches.



Client Sample ID: **ANV1 1943**
SGS Ref. #: 1076057003
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:25
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 13:02							Container ID:1076057003-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: ANV2 1944
SGS Ref. #: 1076057004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:50
Receipt Date/Time: 11/12/07 08:10

Metals Department

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Iron, Magnesium, Strontium, and Mercury.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV2 1944**
SGS Ref. #: 1076057004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:50
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	3.83	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	5.54	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	11.7	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	0.483 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	4.69	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	2.12	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	302 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2360	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	58.3	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/15/07 00:28
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057004-E
Analyst: MH



Client Sample ID: **ANV2 1944**
SGS Ref. #: 1076057004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:50
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Chloride	3.22	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Fluoride	0.0470 J	0.100	0.0310	mg/L	1	WIC4126	WXX6239	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	60.1	0.200	0.0620	mg/L	2	WIC4128	WXX6255	
Alkalinity	135	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	0.206 J	0.515	0.155	mg/L		STS3101		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1214	WXX6271	
Conductivity	370	1.00	0.477	umhos/cm		WAT6659		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	7.77	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	219	10.0	3.10	mg/L	1	WAT6658		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: ANV2 1944
SGS Ref. #: 1076057004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:50
Receipt Date/Time: 11/12/07 08:10

Waters Department

Table with columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include analytical and prep information for various batches like STS3101, WAT6658, WAT6659, WDA1199, WDA1201, WDA1214, WFI1527, WIC4126, and WIC4128.



Client Sample ID: **ANV2 1944**
SGS Ref. #: 1076057004
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:50
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Analytical Batch: WPH5295 Analytical Method: SM20 4500-H B Analysis Date/Time: 11/12/07 10:30							Initial Prep Wt./Vol.: 1 mL	
							Container ID:1076057004-F Analyst: CLS	
Analytical Batch: WTI2900 Analytical Method: SM20 2320B Analysis Date/Time: 11/16/07 13:12 Dilution Factor: 1							Initial Prep Wt./Vol.: 100 mL	
							Container ID:1076057004-F Analyst: JDH	



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV3 1945**
SGS Ref. #: 1076057005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 13:50
Receipt Date/Time: 11/12/07 08:10

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	46.6	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	0.0138 J	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Magnesium	10.4	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Strontium	0.128	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Mercury	0.850 J	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 16:20
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076057005-H
Analyst: AFH

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 14:28
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057005-E
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV3 1945**
SGS Ref. #: 1076057005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 13:50
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	8.69 J	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	2.41	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	3.40 J	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	8.41	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	2.84	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.53 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	302 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2480	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	45.5	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Zinc	2.66 J	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/15/07 00:35
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057005-E
Analyst: MH



Client Sample ID: **ANV3 1945**
SGS Ref. #: 1076057005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 13:50
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Chloride	3.06	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Fluoride	0.0450 J	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	33.1	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Alkalinity	119	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	ND	0.500	0.150	mg/L		STS3101		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1214	WXX6271	
Conductivity	300	1.00	0.477	umhos/cm		WAT6659		
Cyanide	0.0016 J	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	7.92	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	105	10.0	3.10	mg/L	1	WAT6660		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV3 1945**
 SGS Ref. #: 1076057005
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 11/09/07 13:50
 Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3101						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D						Container ID:1076057005-G		
Analysis Date/Time: 11/12/07 12:00						Analyst: CLS		
Analytical Batch: WAT6659						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B						Container ID:1076057005-F		
Analysis Date/Time: 11/12/07 14:00						Analyst: CLS		
Analytical Batch: WAT6660						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C						Container ID:1076057005-F		
Analysis Date/Time: 11/13/07 14:45						Analyst: JDH		
Dilution Factor: 1								
Analytical Batch: WDA1199		Prep Batch: WXX6245		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 12:36		Prep Date/Time: 11/13/07 08:00		Container ID:1076057005-C				
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1201		Prep Batch: WXX6250		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN I		Prep Method: EXT/WAD1		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 16:12		Prep Date/Time: 11/13/07 08:00		Container ID:1076057005-C				
Dilution Factor: 1						Analyst: HP		
Analytical Batch: WDA1214		Prep Batch: WXX6271		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 12/04/07 13:18		Prep Date/Time: 12/04/07 09:00		Container ID:1076057005-D				
Dilution Factor: 1						Analyst: TRM		
Analytical Batch: WFI1527						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F						Container ID:1076057005-B		
Analysis Date/Time: 11/13/07 16:46						Analyst: LCP		
Dilution Factor: 5								
Analytical Batch: WIC4126		Prep Batch: WXX6240		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 11/15/07 22:35		Prep Date/Time: 11/15/07 09:44		Container ID:1076057005-A				
Dilution Factor: 1						Analyst: LCP		
Analytical Batch: WPH5295						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B						Container ID:1076057005-F		
Analysis Date/Time: 11/12/07 10:30						Analyst: CLS		



Client Sample ID: **ANV3 1945**
SGS Ref. #: 1076057005
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 13:50
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900								Initial Prep Wt./Vol.: 100 mL
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 14:02								Container ID:1076057005-F
Dilution Factor: 1								Analyst: JDH



Client Sample ID: ANV4 1946
SGS Ref. #: 1076057006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 14:20
Receipt Date/Time: 11/12/07 08:10

Metals Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	45.9	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	0.197	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Magnesium	10.6	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Strontium	0.123	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Mercury	0.536 J	1.00	0.500	ng/L	1	MCV3763	MXX19783	

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 16:27
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076057006-H
Analyst: AFH

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 14:31
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057006-E
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV4 1946**
SGS Ref. #: 1076057006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 14:20
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	97.5	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	1.83	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	3.07 J	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	9.68	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	0.348 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	25.0	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.70 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	309 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2670	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	47.0	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/15/07 00:41
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057006-E
Analyst: MH



Client Sample ID: **ANV4 1946**
SGS Ref. #: 1076057006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 14:20
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Chloride	3.11	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Fluoride	0.0440 J	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	34.0	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Alkalinity	116	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	6.15	0.641	0.192	mg/L		STS3101		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1214	WXX6271	
Conductivity	285	1.00	0.477	umhos/cm		WAT6659		
Cyanide	0.0016 J	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	7.99	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	176	10.0	3.10	mg/L	1	WAT6660		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: ANV4 1946
SGS Ref. #: 1076057006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 14:20
Receipt Date/Time: 11/12/07 08:10

Waters Department

Table with columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Contains multiple rows of analytical data for various samples.



Client Sample ID: **ANV4 1946**
SGS Ref. #: 1076057006
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 14:20
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 14:12							Container ID:1076057006-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: DUPL 1947
SGS Ref. #: 1076057007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Metals Department

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Iron, Magnesium, Strontium, and Mercury.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: DUPL 1947
SGS Ref. #: 1076057007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Lists various metals like Aluminum, Antimony, Arsenic, etc., with their respective values and batches.

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/15/07 00:48
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057007-E
Analyst: MH



Client Sample ID: **DUPL 1947**
SGS Ref. #: 1076057007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	3.22	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Fluoride	0.0470 J	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Total Nitrate/Nitrite-N	ND	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	60.4	0.200	0.0620	mg/L	2	WIC4128	WXX6255	
Alkalinity	136	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	ND	0.500	0.150	mg/L		STS3101		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1214	WXX6271	
Conductivity	370	1.00	0.477	umhos/cm		WAT6659		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	7.80	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	176	10.0	3.10	mg/L	1	WAT6660		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **DUPL 1947**
SGS Ref. #: 1076057007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3101						Initial Prep Wt./Vol.: 1000 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076057007-G Analyst: CLS		
Analytical Batch: WAT6659						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076057007-F Analyst: CLS		
Analytical Batch: WAT6660						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 14:45						Container ID:1076057007-F Analyst: JDH		
Dilution Factor: 1								
Analytical Batch: WDA1199						Prep Batch: WXX6245		
Analytical Method: SM20 4500-CN C,E						Prep Method: EXT/CN4500		
Analysis Date/Time: 11/19/07 12:36						Prep Date/Time: 11/13/07 08:00		
Dilution Factor: 1						Initial Prep Wt./Vol.: 6 mL		
Analytical Batch: WDA1201						Prep Batch: WXX6250		
Analytical Method: SM20 4500-CN I						Prep Method: EXT/WAD1		
Analysis Date/Time: 11/19/07 16:12						Prep Date/Time: 11/13/07 08:00		
Dilution Factor: 1						Initial Prep Wt./Vol.: 6 mL		
Analytical Batch: WDA1214						Prep Batch: WXX6271		
Analytical Method: SM20 4500-NH3 F						Prep Method: EXT/4500F1		
Analysis Date/Time: 12/04/07 19:39						Prep Date/Time: 12/04/07 09:00		
Dilution Factor: 1						Initial Prep Wt./Vol.: 50 mL		
Analytical Batch: WFI1527						Prep Batch: WXX6245		
Analytical Method: SM20 4500NO3-F						Prep Method: H2O/EP300		
Analysis Date/Time: 11/13/07 16:49						Prep Date/Time: 11/15/07 09:44		
Dilution Factor: 5						Initial Prep Wt./Vol.: 10 mL		
Analytical Batch: WIC4126						Prep Batch: WXX6255		
Analytical Method: EPA 300.0						Prep Method: H2O/EP300		
Analysis Date/Time: 11/15/07 23:56						Prep Date/Time: 11/19/07 11:03		
Dilution Factor: 1						Initial Prep Wt./Vol.: 10 mL		
Analytical Batch: WIC4128						Prep Batch: WXX6255		
Analytical Method: EPA 300.0						Prep Method: H2O/EP300		
Analysis Date/Time: 11/20/07 10:05						Prep Date/Time: 11/19/07 11:03		
Dilution Factor: 2						Initial Prep Wt./Vol.: 10 mL		
						Container ID:1076057007-B Analyst: LCP		
						Container ID:1076057007-A Analyst: LCP		
						Container ID:1076057007-A Analyst: JDS		



Client Sample ID: **DUPL 1947**
SGS Ref. #: 1076057007
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Analytical Batch: WPH5295 Analytical Method: SM20 4500-H B Analysis Date/Time: 11/12/07 10:30							Initial Prep Wt./Vol.: 1 mL	
							Container ID:1076057007-F Analyst: CLS	
Analytical Batch: WTI2900 Analytical Method: SM20 2320B Analysis Date/Time: 11/16/07 14:22 Dilution Factor: 1							Initial Prep Wt./Vol.: 100 mL	
							Container ID:1076057007-F Analyst: JDH	



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: BLNK 1948
SGS Ref. #: 1076057008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Metals Department

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Iron, Magnesium, Strontium, and Mercury.

Batch Information

Analytical Batch: MCV3763
Analytical Method: EPA 1631 E
Analysis Date/Time: 11/15/07 16:41
Dilution Factor: 1

Prep Batch: MXX19783
Prep Method: METHOD
Prep Date/Time: 11/14/07 09:40

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1076057008-H
Analyst: AFH

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 14:39
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057008-E
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **BLNK 1948**
SGS Ref. #: 1076057008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Metals by ICP/MS

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	ND	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	ND	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	965	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch: MMS5197
Analytical Method: EP200.8
Analysis Date/Time: 11/15/07 00:55
Dilution Factor: 5

Prep Batch: MXX19766
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057008-E
Analyst: MH



Client Sample ID: **BLNK 1948**
SGS Ref. #: 1076057008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Chloride	0.0910 J	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Fluoride	ND	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Total Nitrate/Nitrite-N	0.137	0.100	0.0310	mg/L	5	WFI1527		
Sulfate	0.0400 J	0.100	0.0310	mg/L	1	WIC4126	WXX6240	
Alkalinity	6.78 J	10.0	3.10	mg/L	1	WTI2900		
Total Suspended Solids	ND	1.00	0.300	mg/L		STS3101		
Ammonia-N	ND	0.100	0.0310	mg/L	1	WDA1214	WXX6271	
Conductivity	4.60	1.00	0.477	umhos/cm		WAT6659		
Cyanide	ND	0.0050	0.0015	mg/L	1	WDA1199	WXX6245	
Weak Acid Dissociable CN	ND	0.0050	0.0015	mg/L	1	WDA1201	WXX6250	
pH	6.02	0.100	0.100	pH units		WPH5295		
Total Dissolved Solids	ND	10.0	3.10	mg/L	1	WAT6660		



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **BLNK 1948**
SGS Ref. #: 1076057008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Batch Information								
Analytical Batch: STS3101						Initial Prep Wt./Vol.: 500 mL		
Analytical Method: SM20 2540D								
Analysis Date/Time: 11/12/07 12:00						Container ID:1076057008-G Analyst: CLS		
Analytical Batch: WAT6659						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 2510B								
Analysis Date/Time: 11/12/07 14:00						Container ID:1076057008-F Analyst: CLS		
Analytical Batch: WAT6660						Initial Prep Wt./Vol.: 80 mL		
Analytical Method: SM20 2540C								
Analysis Date/Time: 11/13/07 14:45						Container ID:1076057008-F Analyst: JDH		
Dilution Factor: 1								
Analytical Batch: WDA1199		Prep Batch: WXX6245		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN C,E		Prep Method: EXT/CN4500		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 12:36		Prep Date/Time: 11/13/07 08:00		Container ID:1076057008-C				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WDA1201		Prep Batch: WXX6250		Initial Prep Wt./Vol.: 6 mL				
Analytical Method: SM20 4500-CN I		Prep Method: EXT/WAD1		Prep Extract Vol.: 6 mL				
Analysis Date/Time: 11/19/07 16:12		Prep Date/Time: 11/13/07 08:00		Container ID:1076057008-C				
Dilution Factor: 1				Analyst: HP				
Analytical Batch: WDA1214		Prep Batch: WXX6271		Initial Prep Wt./Vol.: 50 mL				
Analytical Method: SM20 4500-NH3 F		Prep Method: EXT/4500F1		Prep Extract Vol.: 50 mL				
Analysis Date/Time: 12/04/07 19:39		Prep Date/Time: 12/04/07 09:00		Container ID:1076057008-D				
Dilution Factor: 1				Analyst: TRM				
Analytical Batch: WFI1527						Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SM20 4500NO3-F								
Analysis Date/Time: 11/13/07 16:50						Container ID:1076057008-B Analyst: LCP		
Dilution Factor: 5								
Analytical Batch: WIC4126		Prep Batch: WXX6240		Initial Prep Wt./Vol.: 10 mL				
Analytical Method: EPA 300.0		Prep Method: H2O/EP300		Prep Extract Vol.: 10 mL				
Analysis Date/Time: 11/16/07 00:17		Prep Date/Time: 11/15/07 09:44		Container ID:1076057008-A				
Dilution Factor: 1				Analyst: LCP				
Analytical Batch: WPH5295						Initial Prep Wt./Vol.: 1 mL		
Analytical Method: SM20 4500-H B								
Analysis Date/Time: 11/12/07 10:30						Container ID:1076057008-F Analyst: CLS		



Client Sample ID: **BLNK 1948**
SGS Ref. #: 1076057008
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Waters Department

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Analytical Batch: WT12900							Initial Prep Wt./Vol.: 100 mL	
Analytical Method: SM20 2320B								
Analysis Date/Time: 11/16/07 14:32							Container ID:1076057008-F	
Dilution Factor: 1							Analyst: JDH	



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **MARY 1941**
SGS Ref. #: 1076057009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 15:00
Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	2.52	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	13.9	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	4.89	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	2.06	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	227 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2310	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	66.9	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
Analytical Method:
Analysis Date/Time:

Container ID:
Analyst:



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: MARY 1941
SGS Ref. #: 1076057009
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 15:00
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

Table with 10 columns: Parameter, Result, PQL/CL, MDL, Units, DF, Analytical Batch, Prep Batch, Qualifiers. Rows include Calcium, Iron, Strontium, and Magnesium.

Batch Information

Table with 3 columns: Analytical Batch, Prep Batch, Initial Prep Wt./Vol., Analytical Method, Prep Method, Prep Extract Vol., Analysis Date/Time, Prep Date/Time, Container ID, Dilution Factor, Analyst.



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **BOST 1942**
SGS Ref. #: 1076057010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 11:20
Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	0.331 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	4.87	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	0.669	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.34 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	206 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2260	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	42.0	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
Analytical Method:
Analysis Date/Time:

Container ID:
Analyst:



Client Sample ID: **BOST 1942**
SGS Ref. #: 1076057010
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 11:20
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	42.6	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Strontium	0.131	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Magnesium	9.28	0.100	0.0310	mg/L	1	MIP5416	MXX19767	

Batch Information

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 14:48
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057010-A
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV1 1943**
SGS Ref. #: 1076057011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:25
Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	10.5	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	0.374 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	0.477 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.56 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	166 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2260	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	43.9	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
Analytical Method:
Analysis Date/Time:

Container ID:
Analyst:



Client Sample ID: **ANV1 1943**
SGS Ref. #: 1076057011
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:25
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	47.3	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Strontium	0.146	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Magnesium	8.85	0.100	0.0310	mg/L	1	MIP5416	MXX19767	

Batch Information

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 14:51
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057011-A
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV2 1944**
SGS Ref. #: 1076057012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:50
Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	4.01	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	5.44	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	11.8	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	4.50	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	2.09	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	307 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2460	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	57.7	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
Analytical Method:
Analysis Date/Time:

Container ID:
Analyst:



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV2 1944**
SGS Ref. #: 1076057012
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 12:50
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	59.1	0.200	0.0620	mg/L	2	MIP5416	MXX19767	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Strontium	0.161	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Magnesium	14.1	0.100	0.0310	mg/L	1	MIP5416	MXX19767	

Batch Information

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 14:59
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057012-A
Analyst: NRB

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 15:02
Dilution Factor: 2

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057012-A
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV3 1945**
SGS Ref. #: 1076057013
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 13:50
Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	2.45	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	3.03 J	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	8.68	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	2.11	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.72 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	305 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2550	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	47.8	5.00	1.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
Analytical Method:
Analysis Date/Time:

Container ID:
Analyst:



Client Sample ID: **ANV3 1945**
SGS Ref. #: 1076057013
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 13:50
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	47.2	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Strontium	0.127	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Magnesium	10.5	0.100	0.0310	mg/L	1	MIP5416	MXX19767	

Batch Information

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 15:05
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057013-A
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **ANV4 1946**
SGS Ref. #: 1076057014
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 14:20
Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	1.90	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	2.52 J	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	8.73	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	7.80	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	1.60 J	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	291 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2570	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	46.8	5.00	1.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
Analytical Method:
Analysis Date/Time:

Container ID:
Analyst:



Client Sample ID: **ANV4 1946**
SGS Ref. #: 1076057014
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 14:20
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	46.9	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Strontium	0.123	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Magnesium	10.7	0.100	0.0310	mg/L	1	MIP5416	MXX19767	

Batch Information

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 15:07
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057014-A
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **DUPL 1947**
SGS Ref. #: 1076057015
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	4.06	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	5.78	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	12.1	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	0.320 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	4.58	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	2.23	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	309 J	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	2480	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	58.4	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
Analytical Method:
Analysis Date/Time:

Container ID:
Analyst:



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **DUPL 1947**
SGS Ref. #: 1076057015
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Calcium	55.8	0.200	0.0620	mg/L	2	MIP5416	MXX19767	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Strontium	0.160	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Magnesium	14.0	0.100	0.0310	mg/L	1	MIP5416	MXX19767	

Batch Information

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 15:10
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057015-A
Analyst: NRB

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 15:13
Dilution Factor: 2

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057015-A
Analyst: NRB



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **BLNK 1948**
 SGS Ref. #: 1076057016
 Project ID: Rock Creek
 Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
 Collection Date/Time: 11/09/07 00:00
 Receipt Date/Time: 11/12/07 08:10

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical Batch</u>	<u>Prep Batch</u>	<u>Qualifiers</u>
Vanadium	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Zinc	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Aluminum	ND	20.0	6.20	ug/L	5	MMS5197	MXX19766	
Antimony	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Arsenic	ND	5.00	2.50	ug/L	5	MMS5197	MXX19766	
Barium	ND	3.00	0.940	ug/L	5	MMS5197	MXX19766	
Beryllium	ND	0.400	0.130	ug/L	5	MMS5197	MXX19766	
Cadmium	ND	0.500	0.150	ug/L	5	MMS5197	MXX19766	
Chromium	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Cobalt	ND	4.00	1.20	ug/L	5	MMS5197	MXX19766	
Copper	0.462 J	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Lead	ND	0.200	0.0620	ug/L	5	MMS5197	MXX19766	
Manganese	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Molybdenum	ND	10.0	3.10	ug/L	5	MMS5197	MXX19766	
Nickel	ND	2.00	0.620	ug/L	5	MMS5197	MXX19766	
Phosphorus	ND	200	62.0	ug/L	5	MMS5197	MXX19766	
Potassium	ND	500	150	ug/L	5	MMS5197	MXX19766	
Selenium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	
Silver	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Sodium	1020	500	150	ug/L	5	MMS5197	MXX19766	
Thallium	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Tin	ND	1.00	0.310	ug/L	5	MMS5197	MXX19766	
Titanium	ND	5.00	1.50	ug/L	5	MMS5197	MXX19766	

Batch Information

Analytical Batch:
 Analytical Method:
 Analysis Date/Time:

Container ID:
 Analyst:



AK Gold Company

Print Date: 12/6/2007

Client Sample ID: **BLNK 1948**
SGS Ref. #: 1076057016
Project ID: Rock Creek
Matrix: Water (Surface, Eff., Ground)

All Dates/Times are Alaska Local Time
Collection Date/Time: 11/09/07 00:00
Receipt Date/Time: 11/12/07 08:10

Dissolved Metals

<u>Parameter</u>	<u>Result</u>	<u>PQL/CL</u>	<u>MDL</u>	<u>Units</u>	<u>DF</u>	<u>Analytical</u> <u>Batch</u>	<u>Prep</u> <u>Batch</u>	<u>Qualifiers</u>
Calcium	0.118	0.100	0.0310	mg/L	1	MIP5416	MXX19767	
Iron	ND	0.0200	0.00620	mg/L	1	MIP5416	MXX19767	
Strontium	ND	0.00500	0.00150	mg/L	1	MIP5416	MXX19767	
Magnesium	ND	0.100	0.0310	mg/L	1	MIP5416	MXX19767	

Batch Information

Analytical Batch: MIP5416
Analytical Method: EP200.7
Analysis Date/Time: 11/16/07 15:19
Dilution Factor: 1

Prep Batch: MXX19767
Prep Method: E200.2
Prep Date/Time: 11/13/07 08:00

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 25 mL
Container ID:1076057016-A
Analyst: NRB