

**ANALYTICAL RESULTS FOR SURFACE WATER
MONITORING ACTIVITIES
CONDUCTED MAY 2000**

**ADDENDUM TO THE
SAMPLING AND ANALYSIS PLAN
FOR
UPPER SILVER CREEK WATERSHED**

July 28, 2000

Revised

September 13, 2000

Prepared for:

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1.0 INTRODUCTION

This report present the results of a water quality assessment of the upper Silver Creek watershed that was conducted for the Upper Silver Creek Watershed Stakeholders Group (USCWSG) by United Park City Mines (UPCM). The first report was sent to the stakeholders on July 28, 2000, this report incorporates comments from the group. Resource Management Consultants (RMC) working for UPCM conducted the assessment. Field work was conducted on May 15, 16 and 31, 2000 and June 5, 2000. Samples collected this spring represent high flow conditions, low flow and sediment samples will be collected this fall.

The water quality assessment was conducted in accordance with the Sample and Analysis Plan (SAP) for the USCWSC (RMC, 2000). The work was also conducted in accordance with the National Contingency Plan (NCP), the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), with the oversight and approval of the United States Environmental Protection Agency (EPA) and the Utah Department of Environmental Response and Remediation (UDERR).

Oversight was provided by the EPA Project Manager, Jim Christiansen, Mo Slam and Mike Zucker with UDERR. In addition Paul Lammers with Park City Municipal Corporation (PCMC) was present during a portion of the field activities. Gary Colgan, the Quality Assurance official was present to observe some of the sample collection procedures.

In November of 1999 the USCWSG was formed to examine environmental concerns in the watershed. As part of that examination the group has initiated an assessment of water quality in the upper Silver Creek watershed. This report presents water quality and limited quantity data for review and discussion by the USCWSG.

The objectives, as determined by the USCWSG, of the water quality assessment are stated in the SAP (RMC, May 2, 2000). In summary the objectives of the sampling program were to collect samples to identify potential source areas that may adversely

impact Silver Creek water quality, coordinate data collection activities, provide data for Total Maximum Daily Load (TMDL) analyses, establish procedures for data analyses, define Quality Assurance/Quality Control measures, and establish Health and Safety procedures.

2.0 REPORT ORGANIZATION

The format of this report has been selected to present a narrative on the water sample collection activities, briefly discuss the analytical results, note general observations and document the Quality Assurance/Quality Control (QAQC) review of the data. The QAQC data review is presented in Appendix A of this report. The laboratory analytical reports are in Appendix B. Figure 1 of this report graphically portrays locations of the sample stations.

3.0 WATER SAMPLE COLLECTION

Twenty-six (26) surface water samples were collected during the field activities, stream flow measurements were conducted at twelve (12) locations. In the May 1, 2000 SAP there were thirty-one (31) sample locations selected to characterize water quality in the study area. The study area is shown on Figure 2.0 of the SAP and can be described as Silver Creek tributary drainages beginning south of Park City, Utah downstream to just below the Richardson Flat tailings impoundment. In addition the Thaynes Canyon drainage was also included in the study area it is a tributary of East Canyon Creek. Of the thirty-one (31) locations identified in the SAP eighteen (18) were sampled and nine (9) opportunity samples were collected (see Table 1). Opportunity samples are identified in the SAP as those samples that are selected, in the field, by the sampling team to quantify snowmelt or stormwater runoff impacts.

The sampling was conducted over an extended time period due to the relatively low spring runoff flows. At most of the upper watershed locations (south of Park City) flows were only present during the afternoon when the ambient air temperatures were high enough to generate snowmelt. The Thaynes Canyon samples could not be collected in May due to snowdrifts that prevented access into the canyon.

At each location field parameters, pH, conductivity, and temperature were measured, where possible flow data was collected using either a Parshall flume, flow meter, or calibrated bucket and stop watch. Water quality samples were collected and preserved, sealed with tamper tape and stored for that day in an ice-chest. At the end of the day the samples were either delivered directly to the analytical laboratory or stored in a secured refrigerator.

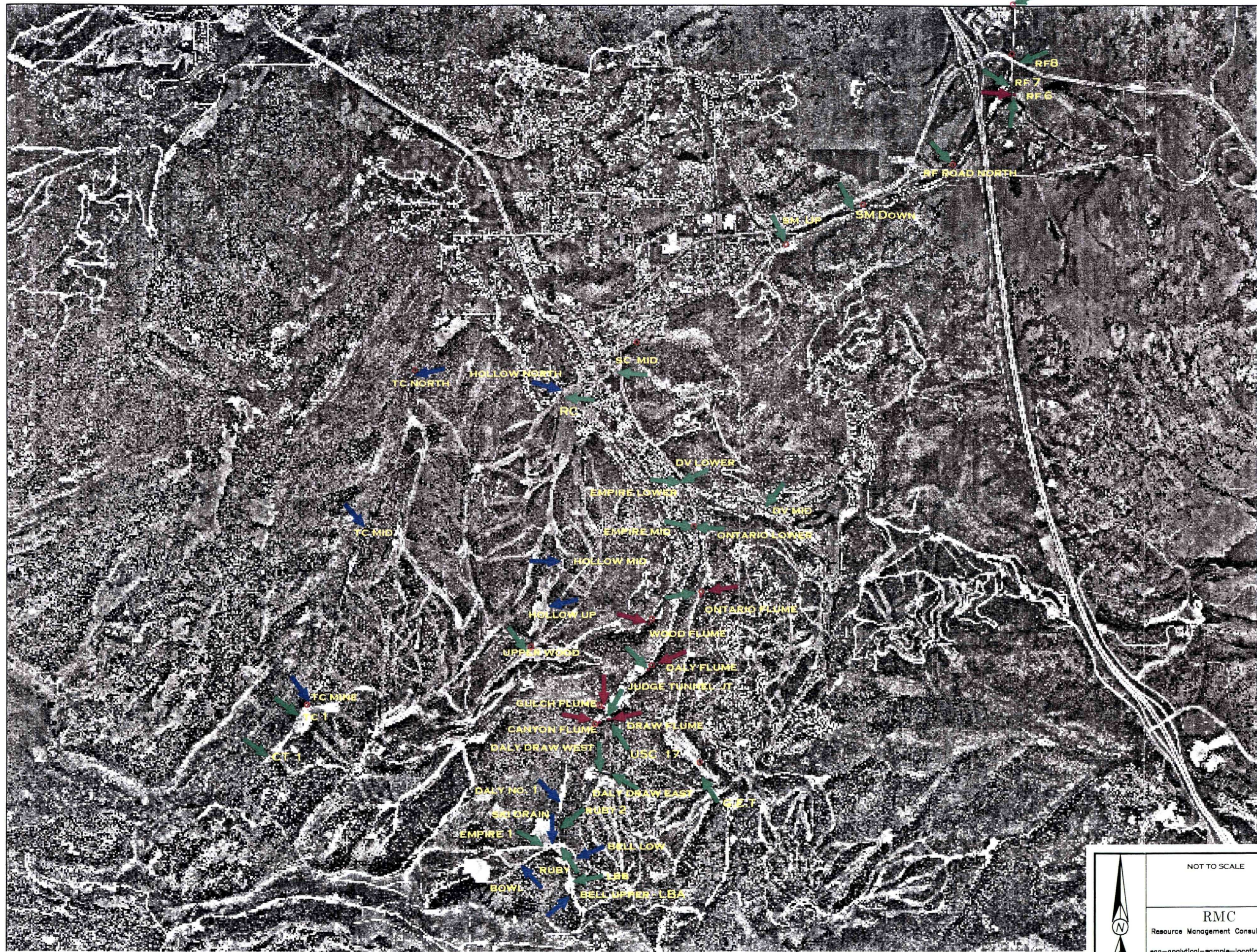
UDERR representatives collected duplicate samples at various locations, laboratory analytical data are pending and will be incorporated into this report when available.

4.0 WATER QUALITY AND QUANTITY RESULTS

Water quality samples were analyzed for inorganic parameters and at some sites for nutrient and sediment parameters. Table 2 presents a summary of the data collected for this sampling event. Appendix A contains laboratory analytical data reports. Not all tributary drainages were sampled due to the low or non-existent spring runoff flows in the ephemeral and intermittent drainages. As expected the flow data show that stream flows increased from the upper to the lower sites.

5.0 WATER QUALITY DATA VALIDATION

Appendix A contains the water quality data validation report. The data validation process evaluates if the specific requirements for the intended use have been fulfilled and ensures that the results conform to the user's needs. Overall, the data appear to be adequate for the intended use and of good quality. However, the laboratory did notice a pattern of "possible low-level spot lead contamination" in one batch of laboratory samples. To ensure that the lead results were accurate, the entire batch was redigested and reanalyzed. Lead results were corrected for two samples, USC-JT and USC-12 as a result of the repeat analyses.



UNITED PARK CITY MINES COMPANY

SILVER CREEK WATERSHED

LEGEND

- PARSHALL FLUME LOCATION
- NON-GAUGED LOCATION - NOT SAMPLED IN MAY 2000
- SEDIMENT SAMPLING LOCATION - SEPT. 2000
- ACTUAL SAMPLING LOCATION - MAY 2000 EVENT

KCGEE 11/24/99
UPDATED 6/22/00

NOT TO SCALE	Date :	August 22, 2000
	Title :	Sample Locations
RMC Resource Management Consultants, Inc. sap-analytical-sample-location-7-31	Client :	United Park City Mines
	Fig. No.:	Figure 1.0

Table 1, Upper Siver Creek Watershed Field Paramaters, May 2000

FIELD PARAMETERS					COMMENTS
LOCATION	FLOW (gpm)	pH	CONDUCTIVITY	TEMP (C)	
USC-1	2329.2	7.71	1174	14.5	FLOW METER
USC-2	nfm	7.57	1137	19.2	
USC-3	1467.9	7.76	1075	20.5	FLOW METER
USC-4	58.3	7.42	1404	18.5	0.13 ON 18" FLUME
USC-5	nfm	7.36	1626	19.8	
USC-6	nfm	7.55	1613	17.8	
USC-7	461.08	8.7	1390	18.0	FLOW METER
USC-8	702.96	8.07	1411	14.4	STRONG HERBICIDE ODOR
USC-9	669.87	7.36	1017	14.9	FLOW METER
USC-10	790.17	7.5	1002	12.6	FLOW METER
USC-11	nfm	7.78	3300	9.8	
USC-12	60	7.6	345	8.6	BUCKET/STOPWATCH AT MOUTH OF CULVERT
USC-13	13	7.24	843	9.1	BUCKET/STOP WATCH
USC-14	53.8	7.37	240	9.8	0.12 ON 18" FLUME
USC-15	35	7.5	429	8.5	0.08 ON 12" FLUME
USC-17	12	6.95	247	5.3	NO FLOW IN FLUME, SAMPLED 73' UPSTREAM
USC-25 UPPER WOOD	nfm	6.93	120.1	6.1	
USC-RUBY LIFT RUBY 1	nfm	6.99	1121	13.4	AT BASE OF LIFT, FILL SOILS
USC-RUBY LIFT RUBY 2	nfm	6.06	420	7.5	SMALL DRAINAGE IN WOODS BELOW LIFT
USC-JT (JUDGE TUNNEL)	nfm	6.7	386	5.9	
USC-DAILY DRAW EAST	nfm	6.16	294	5.5	BELOW NORTH SIDE LIFT
USC-DAILY DRAW WEST	nfm	6.65	265	7.9	
LBA	nfm	7.76	58.5	8.5	ABOVE LITTLE BELL MINE
LBB	nfm	7.4	71.5	4.5	BELOW LITTLE BELL MINE
USC-GET	nfm	6.49	140	9	
USC-EMPIRE 1	nfm	6.66	664	11.2	
USC TC-1	nfm	7.8	440	17	
CT-1	54	7.6	342	5	2" FLUME @ COMSTOCK TUNNEL
USC-RC	nfm	7.19	nm	7	RESORT CENTER
Notes: nfm - no flow measurement					

Table 2, Upper Silver Creek Watershed Analytical Results Summary, May 2000

units mg/l except for Hg - ng/l

Utah Water Quality Standards, Stream Classification 1c				AG	AG(D)	AL	AL(D)	ALK	AS	AS(D) ¹	CA	TA/AN B	CD	CD(D)	CL	CO ₃	CR	CR(D) ¹	CU	CU(D)	FE	FE(D)	HG	HG(D)	HARD	HCO ₃	K	MG	MN	MN(D)	NA	NH ₃ /N	NO ₂ /NO ₃	PB	PB(D)	PH	PO ₄	SB	SB(D)	SE	SE(D)	SO ₄ ²	TDS	TSS	ZN	ZN(D)
Aquatic Wildlife Standard, Stream Classification 3a ²					0.05		NA			0.05				0.001				0.05		1				20								4		0.05		0.05		NA		0.01						
Chronic					NA		0.087			0.19				0.004				0.572		0.033		1		12										0.015				NA		0.005						0.303
Acute					0.01		0.75			0.36				0.026				4.8		0.055				24										0.375				NA		0.02						0.335
Lab #	Date	Sample #	Description	AG	AG(D)	AL	AL(D)	ALK	AS	AS(D)	CA	TA/AN B	CD	CD(D)	CL	CO ₃	CR	CR(D)	CU	CU(D)	FE	FE(D)	HG	HG(D)	HARD	HCO ₃	K	MG	MN	MN(D)	NA	NH ₃ /N	NO ₂ /NO ₃	PB	PB(D)	PH	PO ₄	SB	SB(D)	SE	SE(D)	SO ₄ ²	TDS	TSS	ZN	ZN(D)
L000743-010	15-May-00	USC-1	RAIL TRESSEL@U248	<0.005	<0.005	0.078	<0.050	162	0.008	0.008	128	<1.0	0.002	<0.001	162	<1.0	<0.010	<0.010	0.005	<0.005	0.25	<0.10	113	2.35	459	162	<2.0	34	0.16	0.13	63	0.063	0.061	0.051	<0.005	7.9	<0.050	0.008	0.008	<0.005	<0.005	230	786	4.7	0.45	0.41
L000743-011	15-May-00	USC-2	CULVERT@U248	<0.005	<0.005	<0.050	<0.050	171	<0.005	<0.005	130	-3.5	0.002	<0.001	138	<1.0	<0.010	<0.010	<0.005	<0.005	0.15	<0.10			488	171	<2.0	35	0.15	0.16	59	0.067	0.069	0.016	<0.005	8.2	<0.050	0.008	0.005	<0.005	<0.005	262	791	<1.0	0.37	0.33
L000743-012	15-May-00	USC-3	UPSTREAM RRTRESSEL	<0.005	<0.005	0.069	<0.050	159	0.007	0.007	118	<1.0	0.003	0.001	137	<1.0	<0.010	<0.010	<0.005	<0.005	0.2	<0.10			428	159	<2.0	33	0.17	0.17	60	0.24	0.13	0.041	<0.005	8.1	<0.050	0.007	0.008	<0.005	<0.005	228	718	4.3	0.54	0.51
L000743-020	15-May-00	USC-32	Duplicate of USC-3	<0.005	<0.005	<0.050	<0.050	155	0.007	0.007	119	<1.0	0.003	0.001	128	<1.0	<0.010	<0.010	<0.005	<0.005	0.22	<0.10			431	155	<2.0	33	0.19	0.17	60	<0.050	0.11	0.034	<0.005	8.2	<0.050	0.008	0.008	<0.005	<0.005	260	711	3.9	0.62	0.52
L000743-013	15-May-00	USC-4	DIVERSION DITCH 50'	<0.005	<0.005	<0.050	<0.050	216	<0.005	<0.005	232	1.8	<0.001	<0.001	72	<1.0	<0.010	<0.010	<0.005	<0.005	<0.10	<0.10	1.28	1.18	785	218	<2.0	50	0.82	0.88	39	0.24	0.2	0.011	<0.005	7.9	<0.050	<0.005	<0.005	<0.005	<0.005	537	1180	<1.0	0.049	<0.020
L000743-014	15-May-00	USC-5	N.O.L.D. ROAD TO R.F.	<0.005	<0.005	<0.050	<0.050	119	<0.005	<0.005	130	-1.4	0.005	0.001	315	<1.0	<0.010	<0.010	<0.005	0.007	0.23	<0.10			422	119	2.6	24	0.42	0.34	157	<0.050	0.054	0.028	<0.005	7.8	<0.050	0.009	0.008	<0.005	<0.005	238	1065	<1.0	1.1	0.95
L000743-015	15-May-00	USC-6	BELOW SILVERMAPLE	<0.005	<0.005	<0.050	<0.050	108	0.005	0.005	133	-5.7	0.002	<0.001	363	<1.0	<0.010	<0.010	<0.005	<0.005	0.24	<0.10	42.3	1.5	432	108	2.8	24	0.26	0.26	141	0.11	0.11	0.031	<0.005	8.1	<0.050	0.009	0.008	<0.005	<0.005	238	1088	1.8	0.47	0.47
L000743-016	15-May-00	USC-7	ABOVE SILVERMAPLE	<0.005	<0.005	0.21	<0.050	103	<0.005	<0.005	94	1.4	0.003	<0.001	297	<1.0	<0.010	<0.010	<0.005	<0.005	0.39	<0.10	51.9	3.28	315	103	2.6	19	0.13	0.12	147	0.063	0.29	0.027	<0.005	8.2	<0.050	0.008	0.005	<0.005	<0.005	110	803	13	0.28	0.092
L000743-017	15-May-00	USC-8	STATE Sample SITE	<0.005	<0.005	0.2	<0.050	102	<0.005	<0.005	94	-7.6	0.005	0.002	372	<1.0	<0.010	<0.010	<0.005	<0.005	0.35	<0.10	48.9	4.37	314	102	2.4	19	0.15	0.14	146	<0.050	0.54	0.018	<0.005	8.3	<0.050	0.008	<0.005	<0.005	<0.005	124	874	14	0.35	0.27
L000743-018	16-May-00	USC-9	DV @ CONFLUENCE	<0.005	<0.005	0.37	<0.050	104	<0.005	<0.005	122	-3.2	0.023	0.021	915	<1.0	<0.010	<0.010	0.009	0.009	0.68	<0.10			370	104	4.2	16	0.14	0.13	514	0.063	1.2	0.084	<0.005	8	<0.050	0.016	0.014	<0.005	<0.005	208	1910	34	1	1.1
L000743-019	16-May-00	USC-10	DV E. OF Rd. GOING S.	<0.005	<0.005	0.17	<0.050	95	<0.005	<0.005	83	<1.0	0.001	<0.001	204	<1.0	<0.010	<0.010	<0.005	<0.005	0.29	<0.10			288	95	<2.0	20	0.19	0.16	83	0.05	0.54	<0.005	<0.005	8	<0.050	<0.005	<0.005	<0.005	<0.005	107	602	8.9	0.16	0.12
L000743-008	16-May-00	USC-11	EMP.Cyn.@CULVERT	<0.005	<0.005	0.22	<0.050		<0.005	<0.005	83		<0.001	<0.001					<0.005	<0.005	0.32	<0.10			288			19	0.18	0.17				<0.005	<0.005	8.3		<0.005	<0.005	<0.005	<0.005		548	9.5	0.15	0.1
L000743-008	16-May-00	USC-12	ONT.Cyn.merg@WEMP.	<0.005	<0.005	0.14	<0.050		<0.005	<0.005	101		0.011	0.011					0.006	<0.005	0.14	<0.10	155	36.8	302			12	0.016	0.012			0.01	<0.005	8.3		0.013	0.013	<0.005	<0.005		1950	3.2	0.6	0.6	
L000743-007	16-May-00	USC-13	EMP.Cyn@flow drain	<0.005	<0.005	0.08	<0.050		<0.005	<0.005	98		0.044	0.044					0.01	0.007	<0.10	<0.10			287			10	0.036	0.039			0.052	0.021	7.6		0.026	0.028	0.008	0.009		548	<1.0	5.3	5.3	
L000743-006	16-May-00	USC-14	Flume lower ONT.Cyn	<0.005	<0.005	0.16	<0.050		<0.005	<0.005	94		0.009	0.009					<0.005	<0.005	0.19	<0.10			281			12	0.018	0.012				0.005	<0.005	8		0.011	0.011	<0.005	<0.005		1357	4.9	0.8	0.59
L000743-005	16-May-00	USC-15	Flume EMP.Cyn Iron gate	<0.005	<0.005	<0.050	<0.050		<0.005	0.005	72		0.027	0.029					0.006	0.005	<0.10	<0.10	4.82	2.87	210			7.1	<0.010	<0.010				0.028	0.024	7.5		0.03	0.03	0.005	0.008		299	<1.0	4.3	4.4
L000743-004	16-May-00	USC-17	Abv flume adj. Judge Tunnel	<0.005	<0.005	<0.050	<0.050		<0.005	<0.005	31		<0.001	<0.001					<0.005	<0.001	<0.10	<0.10			108			6.9	<0.010	<0.010				<0.005	<0.005	7.3		<0.005	<0.005	<0.005	<0.005		151	<1.0	0.011	0.011
L000743-003	16-May-00	USC-25	Woodside Gulch	<0.005	<0.005	3.6	0.084		0.009	<0.005	18		<0.001	<0.001					0.015	<0.005	6.1	<0.10			55			2.6	0.26	0.026			0.17	<0.005	7	0.05	0.006	<0.005	<0.005	<0.005		94	152	0.18	0.04	
L000743-002	16-May-00	USC-JT	Judge Trl. up Daly#1 shaft	<0.005	<0.005	<0.050	<0.050		0.009	<0.005	82		0.003	0.002					0.019	0.006	0.25	<0.10			191			6.7	0.014	0.014			0.006	<0.005	8.2		0.007	0.006	<0.005	<0.005		269	1.1	0.71	0.73	
L001184-001	16-May-00	Empire 1	Upper Empire Canyon											0.022	<0.003																		0.082	<0.005										0.17	0.078	
L001184-002	16-May-00	Ruby 1	Ruby Chertiff											0.046	<0.003																		0.012	<0.005										0.091	0.048	
L000743-001	16-May-00	Ruby 2	Gulch North of Daly West											0.002	0.002																		0.006	<0.005										0.1	0.13	
L000773-001	22-May-00	USC-RC	Resort Center	<0.005	<0.005	<0.040	<0.040	280	<0.005	<0.005	122	6	<0.001	<0.001	22	<1.0	<0.010	<0.010	<0.010	<0.010	<0.050	<0.050			493	260	2.2	38	<0.010	<0.010	16	0.077	1.2	<0.005	<0.005	8.1	0.063	<0.005	<0.005	<0.005	<0.005	173	804	<1.0	0.063	0.055
L000828-001	31-May-00	LBA	LittleBell Above								5.7		<0.003	<0.003							0.063	0.030			21.			1.7	<0.010	<0.010				<0.010	<0.010	6.9						45.	2.2	0.045	0.027	
L000828-002	31-May-00	LBB	Littlebell Below								8.5		<0.003	<0.003							0.39	0.031			33.			2.8	<0.010	<0.010				<0.010	<0.010	6.9						55.	2.2	0.071	0.065	
L000829-001	31-May-00	GET	Great Eastern Tunnel								19		<0.003	<0.003							0.1	<0.01			87			4.7	<0.01	<0.01				<0.005	<0.005	6.5						86	1.5	0.044	0.063	
L000884-001	5-Jun-00	TC-1	T.Cyn. Next to shaft dump	0.009	<0.005	<0.040	<0.040		<0.005	<0.005	85		0.035	0.036																																

APPENDIX A

DATA REVIEW REPORT

Upper Silver Creek Watershed Stakeholders Group Sampling Round 1

INTRODUCTION

This report presents the results of the validation of analytical data for surface water samples collected May 15, 16 and 31, 2000 and June 5, 2000 along Upper Silver Creek, near Park City, Utah. American Environmental Consultants (AEC) Laboratory in Salt Lake City and Frontier Geosciences Inc. (mercury only) performed the analyses. Table 1 summarizes the samples collected, sample dates, parameters analyzed, and laboratory sample batch numbers and related laboratory QC numbers. The laboratory analytical reports, including the laboratory quality control data, are provided in Appendix A.

The data validation process evaluates whether the specific requirements for an intended use have been fulfilled and ensures that the results conform to the user's needs. This report summarizes the review of sampling and analysis to assess conformance with QC requirements for this project. This data evaluation is presented in terms of the PARCC criteria and is based on the *U.S. EPA Functional Guidelines for Inorganic Data Review* (U.S. EPA, 1994), on the quality control limits established by the analytical laboratory or as specified by the specific analytical method, and on the *Upper Silver Creek Watershed Stakeholders Group Sampling and Analysis Plan (SAP)* (Environmental Resource Management Consultants dba RMC, May 2000). The analytical results were evaluated against data quality objectives (DQOs), which are quantitative and qualitative statements that specify data quality and are expressed in terms of precision, accuracy, representativeness, comparability, and completeness (PARCC). Tables 1 and 3 of the SAP describe the DQOs and QA/QC goals for this project. Table 4 of the SAP presents the data validation and verification requirements for this project.

Twenty-seven surface water samples (26 samples plus one duplicate) were analyzed for the parameters noted in Table 1. The analytical data were validated and qualified based on the results of the following data evaluation parameters or quality control (QC) samples:

- Appropriate methods run
- Extraction and analytical holding times
- Matrix spike (MS) and matrix spike duplicate (MSD) samples
- Method blank samples
- Laboratory control samples
- Laboratory duplicate samples
- Field duplicate samples
- Reporting limits
- Cation/anion balances.

The next section of this report summarizes the data validation results following the list of data validation and verification requirements in Table 4 of the SAP. The third and final section of this report summarizes the data validation results in terms of PARCC criteria, including completeness calculations expressing the percent complete of valid data compared to the total number of samples collected. This section also makes recommendations for suggested alterations to the sampling and analysis program to improve data collection and analytical protocols in the event additional sampling is conducted..

DATA VALIDATION RESULTS

Sampling Locations and Frequencies

Although it was not possible to collect samples at all sample stations listed in Table 5 of the SAP because of low spring runoff conditions this year, samples and quality control (QC) samples were collected at selected stations and as opportunity samples where possible. At the other stations listed on Table 5 of the SAP (USC-16, 18 through 24, and 26 through 31), samples were not collected because water was not present.

Sample Collection and Handling

Samples were collected and handled in accordance with the procedures described in the SAP. Sample collection and handling procedures were verified in the field by the project QA Officer and members of the Stakeholders Group. Sample collection and handling procedures were documented in field notes and chain-of-custody/laboratory request forms.

Analytical Methods

Although standard EPA-approved analytical methods were used in all cases, there are a few minor discrepancies between the analytical methods used by AEC Laboratory and those specified in the project SAP. Specifically, EPA Method 350.1 instead of 353.2 was used for ammonia (NH_3) and EPA Method 365.1 instead of 353.2 was used for phosphate (PO_4). The methods specified in the SAP were incorrect method references which should be changed. Methods 6010 (ICP) and 6020 (ICPMS) compared to Method 200.8 specified in the final version of Table 2 of the SAP were used to analyze metals. This discrepancy occurred because the laboratory was not aware of a late change in the SAP. However, except for some minor differences in QA procedures and limits, Methods 6010 and 6020 are the same as Method 200.7 and 200.8, respectively. For example, the method-specified control limits for LCS samples are 85-115% for Methods 200.7 and 200.8 compared to 80 to 120% for Methods 6010 and 6020. The spike recovery limits are also somewhat different: 70-130% for Methods 200.7 and 200.7 and 75-125% for Methods 6010 and 6020.

The laboratory performed internal laboratory calibration checks according to the method-specified protocols. Case narratives were compiled in the analyst's logbook, in digestion logs, and as raw data.

All analytical methods specified in the SAP were run except TDS, TSS, and laboratory pH on three samples (Ruby 1, Ruby 2, and Empire 1). Because of a delay submitting these samples to the laboratory, these parameters were not run because holding times were already exceeded.

Holding Times

Holding time reflects the length of time after sample collection that a sample or extract remains representative of environmental conditions. Holding times were compared to standard method-specific holding times accepted by the EPA as listed in Table 2 of the SAP. Data for samples that were extracted and analyzed within holding time criteria are considered representative. For samples that were extracted or analyzed outside of holding criteria, the sample data are qualitatively evaluated to determine the potential effect of the holding time violation on sample representativeness.

All holding times were met except for samples where pH and hardness were analyzed (List 1). For pH, the SAP (Table 2) specifies that laboratory pH measurements be performed within one day, however, the laboratory measured pH after seven days. The method specifies that samples should be “analyzed immediately” for pH which is not practical for samples transported to a laboratory. Since pH was also measured in the field at the time of sampling, these measurements should be used. Hardness was analyzed after approximately 25 days compared to 14 days specified in the SAP. However, because hardness is calculated from calcium and magnesium data (which both have holding times of 28 days), the holding times specified by the method was not exceeded. The holding time for hardness should be changed in the SAP to 180 days.

Reporting Limits

The reporting limits specified in the SAP (Table 2) were met in most cases by the laboratories. However, reporting limits for three analytes were sometimes higher than those specified in the SAP. QA results could not support lower reporting limits for these parameters. These elevated reporting limits were generally ten times higher than those specified in the SAP. The following are a list of analytes, the elevated reporting limits, and the number of non-detect values reported with these elevated limits:

- aluminum, 0.04 or 0.05 compared to 0.005 ppm (30 out of 42 analyses)
- chromium, 0.010 compared to 0.005 ppm (18 out of 22 analyses)
- potassium, 2.0 compared to 1.0 ppm (3 out of 11 analyses).

Field Duplicates

One set of blind field duplicates was collected during Round 1: USC-32 was collected as a duplicate of USC-3. However, for the number of samples collected (26), three duplicate sets should have been submitted to the laboratory. No duplicate samples were submitted to Frontier Geosciences for mercury analysis. Table 2 summarizes the relative percent difference (RPD) calculations for the one set of duplicates. For the USC-3/USC-32 duplicate set, the calculated RPDs are excellent, all less than 20 percent compared to the QA/QC goal of 35 percent (if > 5 times LRL) or +/- LRL (if < 5 times LRL).

In addition to the field duplicates discussed above, the Utah DEQ collected split samples at seven sampling locations (USC-1, USC-5, USC-12, USC-13, USC-15, USC-JT, and TC-1. Table 3 provides a comparison of the primary analytical results (validated in this report) with the state splits. As shown in Table 3, the split sample results show excellent correlation with the primary analytical results. With two minor exceptions, calculated RPDs were within established QA/QC goals for field duplicates. Where the reporting limits for the compared samples were different, an average of the two LRLs was used to assess compliance with QA/QC goals for duplicate samples. The exceptions include: (1) total lead results for sample USC-5, 0.026 mg/l compared to the state split of 0.0145 mg/l; and total lead results for sample USC-13, 0.052 compared to the state split of 0.0362 mg/l. In one case the state result was lower than the primary result and in the other case the state result was lower than the primary result.

Laboratory QC Samples

AEC Laboratory analyzed matrix spike/matrix spike duplicate, method (prep) blank, and lab control samples for each sample batch to evaluate data quality. For four out of five batches, no matrix spike duplicates were run, but laboratory duplicate samples were prepared and analyzed. This is consistent with the quality control requirements outlined in the SAP (Section 3.5) except that the laboratory analyzed a set of laboratory duplicates rather than a matrix spike duplicate for three out of four batches. The laboratory indicated that this was their routine procedure until recently (when they started running MSDs instead of duplicates) and because of the confusion over project requirements, MSDs were

not run on the first four sample batches. The sample laboratory sample batches with associated laboratory QC numbers consisted of: L000743/WG000406 (22 samples); L000828/WG000435 (2 samples); L000829/WG000436 (1 sample); L000864/WG000451 (2 samples); and L001164/WG000635 (2 samples). MSDs were only run on batch L001164/WG000635.

Frontier Geosciences analyzed matrix spike and matrix spike duplicate, method blank, and lab control samples for the single batch of seven samples for mercury analysis to evaluate data quality.

Matrix Spike Samples. A matrix spike sample was analyzed for each laboratory sample batch by AEC Laboratory. All of the spike recoveries for the five matrix spike samples were within method-specified control limits. However, for most analytes, the quality control requirement (Section 3.5 of SAP) of running MS/MSDs at a rate of ten percent of the sample load for each sample type was not met. As shown in Table 4, MS samples were run at a frequency of more than ten percent of the samples for cadmium (total and dissolved); iron (total and dissolved), lead (total and dissolved), manganese (total and dissolved), and zinc (total and dissolved). MS samples were analyzed at a frequency between 8 and 10 percent for most of the remaining parameters except aluminum (total and dissolved) at a frequency of 4.8 percent. No MS samples were run for carbonate (titration), bicarbonate (titration), and sulfate (colorimetric) because the methods are not amenable to running MS samples. Overall, MS samples were run at an average frequency of 10.5 percent. Considering that most analytical programs only require an MS/MSD frequency of five percent, the reduced MS load is not a concern, although this requirement should be clarified and discussed with the laboratory before the next sampling event. RPDs for MS/MSDs for batch L001164/WG000635 were well within method-specified control limits.

One set of matrix spike and matrix spike duplicate samples was analyzed for the batch of seven samples analyzed by Frontier Geosciences, a frequency of 14 percent. All of the spike recoveries and MS/MSD RPDs were within method-specified control limits.

Method (Prep) Blanks. A method or prep blank sample was analyzed for each laboratory sample batch. No analytes were detected in any of the method blanks indicating that no

laboratory contamination was present. However, the AEC Laboratory did notice a pattern of “possible low-level spot lead contamination” in laboratory batch L000743. To ensure that the lead results were accurate, the entire batch was redigested and reanalyzed. Lead results were corrected for two samples, USC-JT (L000743-002) and USC-12 (L000743-008), as a result of the repeat analyses.

Laboratory Control Samples. Laboratory control samples were analyzed for each laboratory sample batch by each laboratory. All of the recoveries for the laboratory control samples were within method-specified control limits.

Laboratory Duplicates. AEC Laboratory randomly prepared a set of split or duplicate samples from one of the submitted samples which were analyzed as a check on the reproducibility of the laboratory results. Split samples were prepared and analyzed for three out of four laboratory batches. The calculated RPDs for these samples were all less than 20 percent, with most results within 10 percent, indicating excellent reproducibility.

Cation/Anion Balance

AEC Laboratory calculated cation/anion balances for all samples where List 1 parameters were analyzed. The cation/anion balances for these 11 samples ranged from -7.6 to 1.8 percent, indicating good major ion balances. This result indicates that the major ion data can be used with a high degree of confidence even though MS samples were not run for all major ions.

Data Reduction

For the purposes of developing a database and preparing summary tables for reports, all laboratory data will be transferred from the laboratory to United Park City Mines in both paper and electronic form. UPCM will ensure that the data is forwarded to the stakeholders group.

DATA VALIDATION SUMMARY

This section summarizes the data validation results in terms of PARCC (Precision, Accuracy, Representativeness, Comparability, and Completeness) criteria, including completeness calculations expressing the percent complete of valid data compared to the

total number of samples collected. These results are then compared to the project QA/QC goals (Table 3 of SAP). This section also makes recommendations for alterations to the sampling and analysis program to improve data collection and analytical protocols for the second sampling round.

PARCC Criteria Summary

Precision. Based on the results of the field duplicates, laboratory duplicates, and matrix spike results, the data are precise. Although MS, MSD, and blind duplicate samples were not always run at the frequency specified in the SAP, the available data along with other measurements of precision indicate that the data can be used with a high degree of confidence.

Accuracy. Based on the percent recoveries of the MS/MSD and laboratory control samples, the data are accurate. Although MS, MSD, and blind duplicate samples were not always run at the frequency specified in the SAP, the available data along with other measurements of accuracy indicate that the data can be used with a high degree of confidence.

Representativeness. Based on the results of the holding time review, method blank data, and blind duplicate sample data evaluation, the data for this project can be considered representative of water quality conditions along Upper Silver Creek.

Comparability. Standard methods of sample collection and standard units of measure were used during this project. The analyses performed by the laboratory were in accordance with current SW-846 and other U.S. EPA methodology. Results of field and laboratory duplicate analyses were excellent.

Completeness. Based on the results of the data validation, all data are considered valid without qualification. Sampling and analytical completeness is 99 percent, indicating that the completeness goal of 90 percent was met for the project. Only three samples (Ruby 1, Ruby 2, and Empire 1) were not analyzed for all specified parameters (TSS, TDS, and lab pH).

Recommendations

To improve future data collection and analytical protocols, the following recommendations should be implemented:

- Verify the methods to be used with the laboratory, and make adjustments to the laboratory methods or SAP as necessary. For comparability reasons, the same laboratory methods should probably be used for any future sampling events.
- Verify reporting limits with laboratory and request that laboratory meet the reporting limits listed in the SAP if critical (i.e., if reporting limits are at or above water quality criteria). Adjust SAP if necessary.
- Review SAP requirements for matrix spike and matrix spike duplicates and discuss with laboratory. Adjust SAP if necessary.
- Make sure field team collects and submits field duplicate samples at the SAP-specified frequency (10 percent) by better organizing bottle kits and deciding in advance where duplicates are to be collected.

Table 1
Summary of Samples Collected

Sample Name	Sample Location	Data Collected	Analytes	AEC Lab Batch No.	AEC Lab QC No.
USC-1	North Rail	5/15/00	List 1 + Hg	L000743	WG000406
USC-2	RF- 8	5/15/00	List 1	L000743	WG000406
USC-3	RF- 7	5/15/00	List 1	L000743	WG000406
USC-4	RF- 6	5/15/00	List 1 + Hg	L000743	WG000406
USC-5	RF Road North	5/15/00	List 1	L000743	WG000406
USC-6	SM Down	5/15/00	List 1 + Hg	L000743	WG000406
USC-7	SM Up	5/15/00	List 1 + Hg	L000743	WG000406
USC-8	SC Mid	5/15/00	List 1 + Hg	L000743	WG000406
USC-9	DV Lower	5/15/00	List 1	L000743	WG000406
USC-10	DV Mid	5/15/00	List 1	L000743	WG000406
USC-11	Empire Lower	5/16/00	List 2	L000743	WG000406
USC-12	Ontario Lower	5/16/00	List 2 + Hg	L000743	WG000406
USC-13	Empire Mid	5/16/00	List 2	L000743	WG000406
USC-14	Ontario Flume	5/16/00	List 2	L000743	WG000406
USC-15	Daly Flume	5/16/00	List 2 + Hg	L000743	WG000406
USC-17	Draw Flume	5/16/00	List 2	L000743	WG000406
USC-25	Upper Wood	5/16/00	List 2 + PO4 Requested	L000743	WG000406
USC-32	Dup of USC-3 (RF-7)	5/15/00	List 1	L000743	WG000406
RUBY-2	Deer Valley Ruby Chairlift (downstream of Ruby 1)	5/16/00	T & D Cd, Pb, Zn	L000743	WG000406
USC-JT	Judge Tunnel	5/16/00	List 2	L000743	WG000406
LBA	Little Bell (above)	5/31/00	List 3	L000828	WG000435
LBB	Little Bell (below)	5/31/00	List 3	L000828	WG000435
GET	Great Eastern Tunnel	5/31/00	List 3	L000829	WG000436
TC-1	Thaynes Canyon	6/5/00	List 2	L000864	WG000451
CT-1	Comstock Tunnel	6/5/00	List 2	L000864	WG000451
Empire 1	Empire Canyon (W of Ruby 1)	5/16/00	T & D Cd, Pb, Zn	L001164	WG000635
Ruby 1	Deer Valley Ruby Chairlift	5/16/00	T & D Cd, Pb, Zn	L001164	WG000635

List 1 Analytes: TSS, TDS, Hardness, Cat/Anion Bal, Alk, pH, NO3, NO2, NH3, PO4, Ca, Mg, Al, Al-d, Cu, Cu-d, Zn, Zn-d, Ag, Ag-d, As, As-d, Sb, Sb-d, Se, Se-d, Cd, Cd-d, Pb, Pb-d, SO4, Fe, Fe-d, Mn, Mn-d, K, Na, Cl, Cr, Cr-d, CO3, HCO3

List 2 Analytes: TSS, TDS, pH, Hardness, Ag, Ag-d, Al, Al-d, As, As-d, Cd, Cd-d, Cu, Cu-d, Fe, Fe-d, Mn, Mn-d, Pb, Pb-d, Sb, Sb-d, Se, Se-d, Zn, Zn-d

List 3 Analytes: TSS, TDS, pH, hardness, Cd, Cd-d, Fe, Fe-d, Pb, Pb-d, Mn, Mn-d, Zn, Zn-d

List 4 Analytes: TSS, TDS, pH, Cd, Cd-d, Pb, Pb-d, Zn, Zn-d

Table 2
Field Duplicate Summary

Parameter	Units	USC-3	USC-32	RPD (%)
Ag	ppm	<0.010	<0.010	NC
Ag (D)	ppm	<0.010	<0.010	NC
Al	ppm	0.069	<0.050	NC
Al (D)	ppm	<0.050	<0.050	NC
ALK	ppm	159	155	2.5
As	ppm	0.007	0.007	0.0
As (D)	ppm	0.007	0.007	0.0
Ca	ppm	118	119	0.8
Cat/An Balance	%	<1.0	<1.0	NC
Cd	ppm	0.003	0.003	0.0
Cd (D)	ppm	0.001	0.001	0.0
Cl-	ppm	137	128	6.8
CO3	ppm	<1.0	<1.0	NC
Cr	ppm	<0.010	<0.010	NC
Cr (D)	ppm	<0.010	<0.010	NC
Cu	ppm	<0.010	<0.010	NC
Cu (D)	ppm	<0.010	<0.010	NC
Fe	ppm	0.20	0.22	9.5
Fe (D)	ppm	<0.10	<0.10	NC
Hardness	ppm	428	431	0.7
HCO3	ppm	159	155	2.5
K	ppm	<2.0	<2.0	NC
Mg	ppm	33	33	0.0
Mn	ppm	0.17	0.19	11.1
Mn (D)	ppm	0.17	0.17	0.0
Na	ppm	60	60	0.0
HN3/N	ppm	0.24	<0.050	NC
NO2/NO3	ppm	0.13	0.11	16.7
Pb	ppm	0.041	0.034	18.7
Pb (D)	ppm	<0.005	<0.005	NC
pH	pH units	8.1	8.2	1.2
PO4	ppm	<0.050	<0.050	NC
Sb	ppm	0.007	0.006	15.4
Sb (D)	ppm	0.006	0.006	0.0
Se	ppm	<0.005	<0.005	NC
Se (D)	ppm	<0.005	<0.005	NC
SO4=	ppm	228	250	9.2
TDS	ppm	716	711	0.7
TSS	ppm	4.3	3.9	9.8
Zn	ppm	0.54	0.62	13.8
Zn (D)	ppm	0.51	0.52	1.9

NC-Not Calculated

Table 3
Comparison of Primary Samples with State Splits

Lab #	Date	Sample #	Description	AG	AG(D)	AS	AS(D)	CD	CD(D)	CR	CR(D)	CU	CU(D)	FE	FE(D)	HG	HG(D)	K	MG	MN	MN(D)	NA	PB	PB(D)	SB	SB(D)	SE	SE(D)	ZN	ZN(D)	
L000743-010	15-May-00	USC-1	RAIL TRESSEL@U248	<0.005	<0.005	0.006	0.005	0.002	<0.001	<0.010	<0.010	0.005	<0.005	0.25	<0.10	113	2.35	<2.0	34	0.16	0.13	63	0.051	<0.005	0.008	0.006	<0.005	<0.005	0.45	0.41	
		State Split		<0.002	<0.002	0.0076	<0.005	0.0019	<0.001	0.0072	<0.005	<0.012	<0.012	0.247	<0.020	<200	<200	1.7	38.1	0.157	0.118	69.9	0.0442	<0.003	0.0059	0.0058	0.0014	0.0013	0.475	0.373	
		RPD(%)		NC	NC	23.5	NC	5.1	NC	NC	NC	NC	NC	1.2	NC	NC	NC	NC	11.4	1.9	9.7	10.4	14.3	NC			NC	NC	5.4	9.5	
L000743-014	15-May-00	USC-5	N.OLD ROAD TO R.F.	<0.005	<0.005	<0.005	<0.005	0.005	0.001	<0.010	<0.010	<0.005	0.007	0.23	<0.10			2.6	24	0.42	0.34	157	0.026	<0.005	0.009	0.008	<0.005	<0.005	1.1	0.95	
		State Split		<0.002	<0.002	<0.005	<0.005	0.0039	<0.001	0.0055	<0.005	<0.012	<0.012	0.290	0.0206	608	<200	2.6	27.6	0.361	0.300	168	0.0145	<0.003	0.0077	0.0075	0.001	0.0011	1.18	0.877	
		RPD(%)		NC	NC	NC	NC	24.7	NC	NC	NC	NC	NC	23.1	NC			0.0	14.0	15.1	12.5	6.8	56.8	NC			NC	NC	7.0	8.0	
L000743-008	16-May-00	USC-12	ONT.Cyn.mergW/EMP.	<0.005	<0.005	<0.005	<0.005	0.011	0.011			0.006	<0.005	0.14	<0.10	155	36.6		12	0.016	0.012		0.01	<0.005	0.013	0.013	<0.005	<0.005	0.6	0.6	
		State Split		<0.002	<0.002	<0.005	<0.005	0.0089	0.0087	<0.005	<0.005	<0.012	<0.012	0.080	<0.020	<200	<200	3.3	13.4	0.016	0.0114	598	0.0056	<0.003	0.0122	0.0121	<0.001	<0.001	0.658	0.608	
		RPD(%)		NC	NC	NC	NC	21.1	23.4			NC	NC	54.5	NC	NC	NC		11.0	0.0	5.1		56.4	NC			NC	NC	9.2	1.3	
L000743-007	16-May-00	USC-13	EMP.Cyn@flow drain	<0.005	<0.005	<0.005	<0.005	0.044	0.044			0.01	0.007	<0.10	<0.10				10	0.036	0.039		0.052	0.021	0.028	0.028	0.008	0.009	5.3	5.3	
		State Split		<0.002	<0.002	<0.005	<0.005	0.0377	0.0373	<0.005	<0.005	<0.012	<0.012	0.0607	<0.020	<200	<200	2.06	11.2	0.0384	0.0356	58.5	0.0362	0.0206	0.0265	0.0263	0.0079	0.0077	6.15	5.75	
		RPD(%)		NC	NC	NC	NC	15.4	16.5			NC	NC	NC	NC				11.3	6.5	9.1		35.8	1.9			1.3	15.6	14.8	8.1	
L000743-005	16-May-00	USC-15	Flume.EMP.Cyn iron gate	<0.005	<0.005	<0.005	0.005	0.027	0.029			0.006	0.005	<0.10	<0.10	4.82	2.87		7.1	<0.010	<0.010		0.028	0.024	0.03	0.03	0.005	0.008	4.3	4.4	
		State Split		<0.002	<0.002	<0.005	<0.005	0.0244	0.0241	<0.005	<0.005	<0.012	<0.012	<0.020	<0.020	<200	<200	1.29	7.93	<0.005	<0.005	6.5	0.0262	0.024	0.0303	0.0284	0.0067	0.0063	4.73	4.66	
		RPD(%)		NC	NC	NC	NC	10.1	18.5			NC	NC	NC	NC	NC	NC		11.0	NC	NC		6.6	0.0			29.1	23.8	9.5	5.7	
L000743-002	16-May-00	USC-JT	JudgeTnl.up.Daly#1 shaft	<0.005	<0.005	0.009	<0.005	0.003	0.002			0.019	0.006	0.25	<0.10				8.7	0.014	0.014		0.006	<0.005	0.007	0.006	<0.005	<0.005	0.71	0.73	
		State Split		<0.002	<0.002	0.0086	<0.005	0.0022	0.0021	<0.005	<0.005	0.0164	<0.012	0.3190	<0.020	<200	<200	1.18	9.75	0.0088	0.0091	4.14	0.0048	<0.003	0.0065	0.0063	0.002	0.002	0.662	0.652	
		RPD(%)		NC	NC	4.5	NC	30.8	4.9			14.7	NC	24.3	NC				11.4	45.6	42.4		22.2	NC			NC	NC	7.0	11.3	
L000864-001	5-Jun-00	TC-1	T.Cyn. Next to shaft dump	0.009	<0.005	<.005	<.005	0.035	0.036			0.01	0.006	<.050	<.050				6	0.011	<.010		0.025	0.024	0.005	<.005	0.037	0.031	3	2.9	
		State Split		<0.002	<0.002			0.0314	0.0316			<0.012	<0.012	<0.020	<0.020					0.0079	0.0082		0.0253	0.0231					3.01	2.81	
		RPD(%)		NC	NC			10.8	13.0			NC	NC	NC	NC						32.8	NC		1.2	3.8					0.3	3.2

Note: Units in mg/l except for Hg in ng/L.

Table 4
Summary of Matrix Spike Samples

Parameter	List 1	List 2	List 3	No. Samples	No. MS	% MS
Ag	*	*		21	2	9.5
Ag (D)	*	*		21	2	9.5
Al	*	*		21	1	4.8
Al (D)	*	*		21	1	4.8
ALK	*			11		
As	*	*		21	2	9.5
As (D)	*	*		21	2	9.5
Ca	*	*	*	24	2	8.3
Cd	*	*	*	27	4	14.8
Cd (D)	*	*	*	27	4	14.8
Cl-	*			11	1	9.1
CO3	*			11		
Cr	*			11	1	9.1
Cr (D)	*			11	1	9.1
Cu	*	*		21	2	9.5
Cu (D)	*	*		21	2	9.5
Fe	*	*	*	24	3	12.5
Fe (D)	*	*	*	24	3	12.5
Hardness	*	*	*	24		
HCO3	*			11		
Hg (D)				7	1	14.3
Hg (T)				7	1	14.3
K	*			11	1	9.1
Mg	*	*	*	24	2	8.3
Mn	*	*	*	24	3	12.5
Mn (D)	*	*	*	24	3	12.5
Na	*			11	1	9.1
HN3/N	*			11	1	9.1
NO2/NO3	*			11	1	9.1
Pb	*	*	*	27	4	14.8
Pb (D)	*	*	*	27	4	14.8
pH	*	*	*	24		
PO4	*			12	1	8.3
Sb	*	*		21	2	9.5
Sb (D)	*	*		21	2	9.5
Se	*	*		21	2	9.5
Se (D)	*	*		21	2	9.5
SO4=	*			11	1	9.1
TDS	*	*	*	24		
TSS	*	*	*	24		
Zn	*	*	*	27	3	11.1
Zn (D)	*	*	*	27	4	14.8
				801	Avg	10.5

APPENDIX B

AMERICAN ENVIRONMENTAL CONSULTANTS LABORATORY

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July 31, 2000

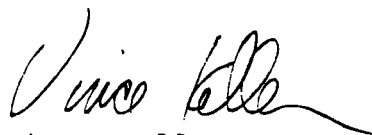
Mr. Kerry Gee
UNITED PARK CITY MINES
Box 1450
Park City, Utah 84060

Dear Mr. Gee:

Please find attached amended analytical results for water samples collected May 15, 16, and 31, 2000, in association with the Silver Creek Watershed Project. Samples were amended to reflect the correct date of analysis for TDS for our lab batch L000743. Initially the date was reported incorrectly due to a transcription error. Also some results have been amended with a lower reporting limit to comply with the detection limit stated in the sampling and analysis plan for this project. There was some confusion as to which Park City Mines project these samples were associated with and the respective reporting limit.

The samples were received by the laboratory on May 15, 16 and June 1, 2000.

Sincerely,



Vince Keller
Laboratory Coordinator

cc: J.Fricke/RMC (w.attach.)



AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-001	16-MAY-00	RUBY-2	CD	0.002	ppm	KB	05-JUN-00	180	6020
			CD (D)	0.002	ppm	KB	05-JUN-00	180	6020
			PB	0.006	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			ZN	0.10	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.13	ppm	KB	05-JUN-00	180	6020
L000743-002	16-MAY-00	USC-JT	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	<0.050	ppm	KB	05-JUN-00	180	6020
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			AS	0.009	ppm	KB	05-JUN-00	180	6020
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	62.	ppm	VK	10-JUN-00	180	6010
			CD	0.003	ppm	KB	05-JUN-00	180	6020
			CD (D)	0.002	ppm	KB	05-JUN-00	180	6020
			CU	0.019	ppm	KB	05-JUN-00	180	6020
			CU (D)	0.006	ppm	KB	05-JUN-00		6020
			FE	0.25	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	191.	ppm CaCO3	BD	10-JUN-00		2340B
			MG	8.7	ppm	VK	10-JUN-00	180	6010
			MN	0.014	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.014	ppm	BD	19-JUN-00	180	6010
			PB	0.006	ppm	KB	22-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.2	pH	BD	22-MAY-00		150.1
			SB	0.007	ppm	KB	05-JUN-00	180	6020
			SB (D)	0.006	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			TDS	269.	ppm	BD	18-MAY-00	7	160.1
			TSS	1.1	ppm	MC	19-MAY-00	7	160.2
			ZN	0.71	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.73	ppm	KB	05-JUN-00	180	6020
L000743-003	16-MAY-00	USC-25	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	3.6	ppm	KB	05-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-003	16-MAY-00	USC-25	AL (D)	0.064	ppm	KB	05-JUN-00	180	6020
			AS	0.009	ppm	KB	05-JUN-00	180	6020
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	18.	ppm	VK	10-JUN-00	180	6010
			CD	<0.001	ppm	KB	05-JUN-00	180	6020
			CD (D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CU	0.015	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	6.1	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	55.	ppm CaCO3	BD	10-JUN-00		2340B
			MG	2.6	ppm	VK	10-JUN-00	180	6010
			MN	0.26	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.026	ppm	BD	19-JUN-00	180	6010
			PB	0.17	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	7.0	pH	BD	22-MAY-00		150.1
			PO4	0.050	ppm	JN	18-MAY-00		365.1
			SB	0.006	ppm	KB	05-JUN-00	180	6020
			SB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			TDS	94.	ppm	BD	18-MAY-00	7	160.1
			TSS	152.	ppm	MC	19-MAY-00	7	160.2
			ZN	0.18	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.040	ppm	KB	05-JUN-00	180	6020
L000743-004	16-MAY-00	USC-17	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	<0.050	ppm	KB	05-JUN-00	180	6020
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	31.	ppm	VK	10-JUN-00	180	6010
			CD	<0.001	ppm	KB	05-JUN-00	180	6020
			CD (D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	<0.10	ppm	VK	10-JUN-00	180	6010

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-004	16-MAY-00	USC-17	FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	106.	ppm CaCO3	BD	10-JUN-00		2340B
			MG	6.9	ppm	VK	10-JUN-00	180	6010
			MN	<0.010	ppm	BD	19-JUN-00	180	6010
			MN(D)	<0.010	ppm	BD	19-JUN-00	180	6010
			PB	<0.005	ppm	KB	05-JUN-00	180	6020
			PB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	7.3	pH	BD	22-MAY-00		150.1
			SB	<0.005	ppm	KB	05-JUN-00	180	6020
			SB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			TDS	151.	ppm	BD	18-MAY-00	7	160.1
			TSS	<1.0	ppm	MC	19-MAY-00	7	160.2
			ZN	0.011	ppm	KB	05-JUN-00	180	6020
			ZN(D)	0.011	ppm	KB	05-JUN-00	180	6020
L000743-005	16-MAY-00	USC-15	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	<0.050	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS(D)	0.005	ppm	KB	05-JUN-00	180	6020
			CA	72.	ppm	VK	10-JUN-00	180	6010
			CD	0.027	ppm	KB	05-JUN-00	180	6020
			CD(D)	0.029	ppm	KB	05-JUN-00	180	6020
			CU	0.006	ppm	KB	05-JUN-00	180	6020
			CU(D)	0.005	ppm	KB	05-JUN-00		6020
			FE	<0.10	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	210.	ppm CaCO3	BD	10-JUN-00		2340B
			MG	7.1	ppm	VK	10-JUN-00	180	6010
			MN	<0.010	ppm	BD	19-JUN-00	180	6010
			MN(D)	<0.010	ppm	BD	19-JUN-00	180	6010
			PB	0.028	ppm	KB	05-JUN-00	180	6020
			PB(D)	0.024	ppm	KB	05-JUN-00	180	6020
			PH	7.5	pH	BD	22-MAY-00		150.1
			SB	0.030	ppm	KB	05-JUN-00	180	6020
			SB(D)	0.030	ppm	KB	05-JUN-00	180	6020

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ANALYTICAL DATA REPORT

United Park City Mines

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Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-005	16-MAY-00	USC-15	SE	0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	0.008	ppm	KB	05-JUN-00	180	6020
			TDS	299.	ppm	BD	18-MAY-00	7	160.1
			TSS	<1.0	ppm	MC	19-MAY-00	7	160.2
			ZN	4.3	ppm	KB	05-JUN-00	180	6020
			ZN(D)	4.4	ppm	KB	05-JUN-00	180	6020
L000743-006	16-MAY-00	USC-14	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.16	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	94.	ppm	VK	10-JUN-00	180	6010
			CD	0.009	ppm	KB	05-JUN-00	180	6020
			CD(D)	0.009	ppm	KB	05-JUN-00	180	6020
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU(D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.19	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	281.	ppm	BD	10-JUN-00		2340B
			MG	12.	ppm	VK	10-JUN-00	180	6010
			MN	0.018	ppm	BD	19-JUN-00	180	6010
			MN(D)	0.012	ppm	BD	19-JUN-00	180	6010
			PB	0.005	ppm	KB	05-JUN-00	180	6020
			PB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.0	pH	BD	22-MAY-00		150.1
			SB	0.011	ppm	KB	05-JUN-00	180	6020
			SB(D)	0.011	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			TDS	1357.	ppm	BD	18-MAY-00	7	160.1
			TSS	4.9	ppm	MC	19-MAY-00	7	160.2
			ZN	0.60	ppm	KB	05-JUN-00	180	6020
			ZN(D)	0.59	ppm	KB	05-JUN-00	180	6020
L000743-007	16-MAY-00	USC-13	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.060	ppm	KB	05-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-007	16-MAY-00	USC-13	AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	98.	ppm	VK	10-JUN-00	180	6010
			CD	0.044	ppm	KB	05-JUN-00	180	6020
			CD(D)	0.044	ppm	KB	05-JUN-00	180	6020
			CU	0.010	ppm	KB	05-JUN-00	180	6020
			CU(D)	0.007	ppm	KB	05-JUN-00		6020
			FE	<0.10	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	287.	ppm CaCO3	BD	10-JUN-00		2340B
			MG	10.	ppm	VK	10-JUN-00	180	6010
			MN	0.036	ppm	BD	19-JUN-00	180	6010
			MN(D)	0.039	ppm	BD	19-JUN-00	180	6010
			PB	0.052	ppm	KB	05-JUN-00	180	6020
			PB(D)	0.021	ppm	KB	05-JUN-00	180	6020
			PH	7.6	pH	BD	22-MAY-00		150.1
			SB	0.028	ppm	KB	05-JUN-00	180	6020
			SB(D)	0.028	ppm	KB	05-JUN-00	180	6020
			SE	0.008	ppm	KB	05-JUN-00	180	6020
			SE(D)	0.009	ppm	KB	05-JUN-00	180	6020
			TDS	548.	ppm	BD	18-MAY-00	7	160.1
			TSS	<1.0	ppm	MC	19-MAY-00	7	160.2
			ZN	5.3	ppm	KB	05-JUN-00	180	6020
			ZN(D)	5.3	ppm	KB	05-JUN-00	180	6020
L000743-008	16-MAY-00	USC-12	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.14	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	101.	ppm	VK	10-JUN-00	180	6010
			CD	0.011	ppm	KB	05-JUN-00	180	6020
			CD(D)	0.011	ppm	KB	05-JUN-00	180	6020
			CU	0.006	ppm	KB	05-JUN-00	180	6020
			CU(D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.14	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010

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Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-008	16-MAY-00	USC-12	HARD	302.	ppm CaCO3	BD	10-JUN-00		2340B
			MG	12.	ppm	VK	10-JUN-00	180	6010
			MN	0.016	ppm	BD	19-JUN-00	180	6010
			MN(D)	0.012	ppm	BD	19-JUN-00	180	6010
			PB	0.010	ppm	KB	22-JUN-00	180	6020
			PB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.3	pH	BD	22-MAY-00		150.1
			SB	0.013	ppm	KB	05-JUN-00	180	6020
			SB(D)	0.013	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			TDS	1950.	ppm	BD	18-MAY-00	7	160.1
			TSS	3.2	ppm	MC	19-MAY-00	7	160.2
			ZN	0.60	ppm	KB	05-JUN-00	180	6020
			ZN(D)	0.60	ppm	KB	05-JUN-00	180	6020
L000743-009	16-MAY-00	USC-11	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.22	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	83.	ppm	VK	10-JUN-00	180	6010
			CD	<0.001	ppm	KB	05-JUN-00	180	6020
			CD(D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU(D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.32	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	288.	ppm CaCO3	BD	10-JUN-00		2340B
			MG	19.	ppm	VK	10-JUN-00	180	6010
			MN	0.18	ppm	BD	19-JUN-00	180	6010
			MN(D)	0.17	ppm	BD	19-JUN-00	180	6010
			PB	<0.005	ppm	KB	05-JUN-00	180	6020
			PB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.3	pH	BD	22-MAY-00		150.1
			SB	<0.005	ppm	KB	05-JUN-00	180	6020
			SB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020

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Batch No: L000743

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L000743-009	16-MAY-00	USC-11	SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			TDS	646.	ppm	BD	18-MAY-00	7	160.1
			TSS	9.5	ppm	MC	19-MAY-00	7	160.2
			ZN	0.15	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.10	ppm	KB	05-JUN-00	180	6020
L000743-010	15-MAY-00	USC-1	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.078	ppm	KB	05-JUN-00	180	6020
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	162.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	0.006	ppm	KB	05-JUN-00	180	6020
			AS (D)	0.005	ppm	KB	05-JUN-00	180	6020
			CA	128.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	<1.0	%	BD	19-JUN-00		
			CD	0.002	ppm	KB	05-JUN-00	180	6020
			CD (D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CL-	162.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR (D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	0.005	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.25	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	459.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	162.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	<2.0	ppm	VK	10-JUN-00	180	6010
			MG	34.	ppm	VK	10-JUN-00	180	6010
			MN	0.16	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.13	ppm	BD	19-JUN-00	180	6010
			NA	63.	ppm	VK	10-JUN-00	180	6010
			NH3/N	0.063	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.061	ppm	JN	19-MAY-00	28	353.2
			PB	0.051	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	7.9	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.008	ppm	KB	05-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE		DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE		HOLD	METHOD
	COLLECTED							ANALYZED	DAYS		
L000743-010	15-MAY-00	USC-1	SB (D)	0.006	ppm	KB	05-JUN-00	180	6020		
			SE	<0.005	ppm	KB	05-JUN-00	180	6020		
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020		
			SO4=	230.	ppm	JN	01-JUN-00	28	9036		
			TDS	786.	ppm	BD	18-MAY-00	7	160.1		
			TSS	4.7	ppm	MC	19-MAY-00	7	160.2		
			ZN	0.45	ppm	KB	05-JUN-00	180	6020		
			ZN (D)	0.41	ppm	KB	05-JUN-00	180	6020		
L000743-011	15-MAY-00	USC-2	AG	<0.005	ppm	VK	10-JUN-00	180	6010		
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010		
			AL	<0.050	ppm	KB	05-JUN-00	180	6020		
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020		
			ALK.	171.	ppm	CaCO3 DC	22-MAY-00		310.1		
			AS	<0.005	ppm	KB	05-JUN-00	180	6020		
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020		
			CA	130.	ppm	VK	10-JUN-00	180	6010		
			CAT/AN BAL	-3.5	%	BD	19-JUN-00				
			CD	0.002	ppm	KB	05-JUN-00	180	6020		
			CD (D)	<0.001	ppm	KB	05-JUN-00	180	6020		
			CL-	139.	ppm	JN	31-MAY-00	28	325.2		
			CO3	<1.0	ppm	CaCO3 DC	22-MAY-00	14	310.1		
			CR	<0.010	ppm	BD	19-JUN-00	180	6010		
			CR (D)	<0.010	ppm	BD	19-JUN-00	180	6010		
			CU	<0.005	ppm	KB	05-JUN-00	180	6020		
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020		
			FE	0.15	ppm	VK	10-JUN-00	180	6010		
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010		
			HARD	468.	ppm	CaCO3 BD	10-JUN-00		2340B		
			HCO3	171.	ppm	CaCO3 DC	22-MAY-00	14	310.1		
			K	<2.0	ppm	VK	10-JUN-00	180	6010		
			MG	35.	ppm	VK	10-JUN-00	180	6010		
			MN	0.15	ppm	BD	19-JUN-00	180	6010		
			MN (D)	0.16	ppm	BD	19-JUN-00	180	6010		
			NA	59.	ppm	VK	10-JUN-00	180	6010		
			NH3/N	0.067	ppm	JN	24-MAY-00	28	350.1		
			NO2/NO3	0.089	ppm	JN	19-MAY-00	28	353.2		
			PB	0.016	ppm	KB	05-JUN-00	180	6020		
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020		

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-011	15-MAY-00	USC-2	PH	8.2	pH	DC	22-MAY-00	150.1	
			PO4	<0.050	ppm	JN	18-MAY-00	365.1	
			SB	0.006	ppm	KB	05-JUN-00	180	6020
			SB(D)	0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	292.	ppm	JN	31-MAY-00	28	9036
			TDS	791.	ppm	BD	18-MAY-00	7	160.1
			TSS	<1.0	ppm	MC	19-MAY-00	7	160.2
			ZN	0.37	ppm	KB	05-JUN-00	180	6020
			ZN(D)	0.33	ppm	KB	05-JUN-00	180	6020
L000743-012	15-MAY-00	USC-3	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.069	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	159.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	0.007	ppm	KB	05-JUN-00	180	6020
			AS(D)	0.007	ppm	KB	05-JUN-00	180	6020
			CA	118.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	<1.0	%	BD	19-JUN-00		
			CD	0.003	ppm	KB	05-JUN-00	180	6020
			CD(D)	0.001	ppm	KB	05-JUN-00	180	6020
			CL-	137.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR(D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU(D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.20	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	428.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	159.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	<2.0	ppm	VK	10-JUN-00	180	6010
			MG	33.	ppm	VK	10-JUN-00	180	6010
			MN	0.17	ppm	BD	19-JUN-00	180	6010
			MN(D)	0.17	ppm	BD	19-JUN-00	180	6010
			NA	60.	ppm	VK	10-JUN-00	180	6010
			NH3/N	0.24	ppm	JN	24-MAY-00	28	350.1

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-012	15-MAY-00	USC-3	NO2/NO3	0.13	ppm	JN	19-MAY-00	28	353.2
			PB	0.041	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.1	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.007	ppm	KB	05-JUN-00	180	6020
			SB (D)	0.006	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	228.	ppm	JN	01-JUN-00	28	9036
			TDS	716.	ppm	BD	18-MAY-00	7	160.1
			TSS	4.3	ppm	MC	19-MAY-00	7	160.2
			ZN	0.54	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.51	ppm	KB	05-JUN-00	180	6020
L000743-013	15-MAY-00	USC-4	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	<0.050	ppm	KB	05-JUN-00	180	6020
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	218.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	232.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	1.8	%	BD	19-JUN-00		
			CD	<0.001	ppm	KB	05-JUN-00	180	6020
			CD (D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CL-	72.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR (D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	<0.10	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	785.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	218.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	<2.0	ppm	VK	10-JUN-00	180	6010
			MG	50.	ppm	VK	10-JUN-00	180	6010
			MN	0.82	ppm	BD	19-JUN-00	180	6010

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ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-013	15-MAY-00	USC-4	MN(D)	0.88	ppm	BD	19-JUN-00	180	6010
			NA	39.	ppm	VK	10-JUN-00	180	6010
			NH3/N	0.24	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.20	ppm	JN	19-MAY-00	28	353.2
			PB	0.011	ppm	KB	05-JUN-00	180	6020
			PB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	7.9	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	<0.005	ppm	KB	05-JUN-00	180	6020
			SB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	537.	ppm	JN	31-MAY-00	28	9036
			TDS	1160.	ppm	BD	18-MAY-00	7	160.1
			TSS	<1.0	ppm	MC	19-MAY-00	7	160.2
			ZN	0.049	ppm	KB	05-JUN-00	180	6020
			ZN(D)	0.015	ppm	KB	05-JUN-00	180	6020
L000743-014	15-MAY-00	USC-5	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	<0.050	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	119.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	130.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	-1.4	%	BD	19-JUN-00		
			CD	0.005	ppm	KB	05-JUN-00	180	6020
			CD(D)	0.001	ppm	KB	05-JUN-00	180	6020
			CL-	315.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR(D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU(D)	0.007	ppm	KB	05-JUN-00		6020
			FE	0.23	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	422.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	119.	ppm CaCO3	DC	22-MAY-00	14	310.1

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-014	15-MAY-00	USC-5	K	2.6	ppm	VK	10-JUN-00	180	6010
			MG	24.	ppm	VK	10-JUN-00	180	6010
			MN	0.42	ppm	BD	19-JUN-00	180	6010
			MN(D)	0.34	ppm	BD	19-JUN-00	180	6010
			NA	157.	ppm	VK	10-JUN-00	180	6010
			NH3/N	<0.050	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.054	ppm	JN	19-MAY-00	28	353.2
			PB	0.026	ppm	KB	05-JUN-00	180	6020
			PB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	7.8	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.009	ppm	KB	05-JUN-00	180	6020
			SB(D)	0.008	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	238.	ppm	JN	31-MAY-00	28	9036
			TDS	1065.	ppm	BD	18-MAY-00	7	160.1
			TSS	<1.0	ppm	MC	19-MAY-00	7	160.2
			ZN	1.1	ppm	KB	05-JUN-00	180	6020
			ZN(D)	0.95	ppm	KB	05-JUN-00	180	6020
L000743-015	15-MAY-00	USC-6	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	<0.050	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	106.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	0.005	ppm	KB	05-JUN-00	180	6020
			AS(D)	0.005	ppm	KB	05-JUN-00	180	6020
			CA	133.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	-5.7	%	BD	19-JUN-00		
			CD	0.002	ppm	KB	05-JUN-00	180	6020
			CD(D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CL-	353.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR(D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU(D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.24	ppm	VK	10-JUN-00	180	6010

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ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-015	15-MAY-00	USC-6	FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	432.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	106.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	2.8	ppm	VK	10-JUN-00	180	6010
			MG	24.	ppm	VK	10-JUN-00	180	6010
			MN	0.26	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.26	ppm	BD	19-JUN-00	180	6010
			NA	141.	ppm	VK	10-JUN-00	180	6010
			NH3/N	0.11	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.11	ppm	JN	19-MAY-00	28	353.2
			PB	0.031	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.1	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.009	ppm	KB	05-JUN-00	180	6020
			SB (D)	0.008	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	236.	ppm	JN	31-MAY-00	28	9036
			TDS	1068.	ppm	BD	18-MAY-00	7	160.1
			TSS	1.6	ppm	MC	19-MAY-00	7	160.2
			ZN	0.47	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.47	ppm	KB	05-JUN-00	180	6020
L000743-016	15-MAY-00	USC-7	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.21	ppm	KB	05-JUN-00	180	6020
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	103.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	94.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	1.4	%	BD	19-JUN-00		
			CD	0.003	ppm	KB	05-JUN-00	180	6020
			CD (D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CL-	297.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR (D)	<0.010	ppm	BD	19-JUN-00	180	6010

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Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-016	15-MAY-00	USC-7	CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.39	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	315.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	103.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	2.6	ppm	VK	10-JUN-00	180	6010
			MG	19.	ppm	VK	10-JUN-00	180	6010
			MN	0.13	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.12	ppm	BD	19-JUN-00	180	6010
			NA	147.	ppm	VK	10-JUN-00	180	6010
			NH3/N	0.063	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.29	ppm	JN	19-MAY-00	28	353.2
			PB	0.027	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.2	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.006	ppm	KB	05-JUN-00	180	6020
			SB (D)	0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	110.	ppm	JN	31-MAY-00	28	9036
			TDS	903.	ppm	BD	18-MAY-00	7	160.1
			TSS	13.	ppm	MC	19-MAY-00	7	160.2
			ZN	0.28	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.092	ppm	KB	05-JUN-00	180	6020
L000743-017	15-MAY-00	USC-8	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.20	ppm	KB	05-JUN-00	180	6020
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	102.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	94.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	-7.6	%	BD	19-JUN-00		
			CD	0.005	ppm	KB	05-JUN-00	180	6020
			CD (D)	0.002	ppm	KB	05-JUN-00	180	6020
			CL-	372.	ppm	JN	31-MAY-00	28	325.2

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-017	15-MAY-00	USC-8	CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR (D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.35	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	314.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	102.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	2.4	ppm	VK	10-JUN-00	180	6010
			MG	19.	ppm	VK	10-JUN-00	180	6010
			MN	0.15	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.14	ppm	BD	19-JUN-00	180	6010
			NA	146.	ppm	VK	10-JUN-00	180	6010
			NH3/N	<0.050	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.54	ppm	JN	19-MAY-00	28	353.2
			PB	0.016	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.3	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.006	ppm	KB	05-JUN-00	180	6020
			SB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	124.	ppm	JN	31-MAY-00	28	9036
			TDS	874.	ppm	BD	18-MAY-00	7	160.1
			TSS	14.	ppm	MC	19-MAY-00	7	160.2
			ZN	0.35	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.27	ppm	KB	05-JUN-00	180	6020
L000743-018	16-MAY-00	USC-9	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.37	ppm	KB	05-JUN-00	180	6020
			AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	104.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	<0.005	ppm	KB	05-JUN-00	180	6020
			AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	122.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	-3.2	%	BD	19-JUN-00		

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-018	16-MAY-00	USC-9	CD	0.023	ppm	KB	05-JUN-00	180	6020
			CD(D)	0.021	ppm	KB	05-JUN-00	180	6020
			CL-	915.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm	CaCO3 DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR(D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	0.009	ppm	KB	05-JUN-00	180	6020
			CU(D)	0.009	ppm	KB	05-JUN-00		6020
			FE	0.68	ppm	VK	10-JUN-00	180	6010
			FE(D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	370.	ppm	CaCO3 BD	10-JUN-00		2340B
			HCO3	104.	ppm	CaCO3 DC	22-MAY-00	14	310.1
			K	4.2	ppm	VK	10-JUN-00	180	6010
			MG	16.	ppm	VK	10-JUN-00	180	6010
			MN	0.14	ppm	BD	19-JUN-00	180	6010
			MN(D)	0.13	ppm	BD	19-JUN-00	180	6010
			NA	514.	ppm	VK	10-JUN-00	180	6010
			NH3/N	0.093	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	1.2	ppm	JN	19-MAY-00	28	353.2
			PB	0.084	ppm	KB	05-JUN-00	180	6020
			PB(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.0	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.016	ppm	KB	05-JUN-00	180	6020
			SB(D)	0.014	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE(D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	208.	ppm	JN	31-MAY-00	28	9036
			TDS	1910.	ppm	BD	18-MAY-00	7	160.1
			TSS	34.	ppm	MC	19-MAY-00	7	160.2
			ZN	1.0	ppm	KB	05-JUN-00	180	6020
			ZN(D)	1.1	ppm	KB	05-JUN-00	180	6020
L000743-019	16-MAY-00	USC-10	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG(D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	0.17	ppm	KB	05-JUN-00	180	6020
			AL(D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	95.	ppm	CaCO3 DC	22-MAY-00		310.1
			AS	<0.005	ppm	KB	05-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-019	16-MAY-00	USC-10	AS (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			CA	83.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	<1.0	%	BD	19-JUN-00		
			CD	0.001	ppm	KB	05-JUN-00	180	6020
			CD (D)	<0.001	ppm	KB	05-JUN-00	180	6020
			CL-	204.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR (D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.29	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	288.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	95.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	<2.0	ppm	VK	10-JUN-00	180	6010
			MG	20.	ppm	VK	10-JUN-00	180	6010
			MN	0.19	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.16	ppm	BD	19-JUN-00	180	6010
			NA	83.	ppm	VK	10-JUN-00	180	6010
			NH3/N	0.050	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.54	ppm	JN	19-MAY-00	28	353.2
			PB	<0.005	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.0	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	<0.005	ppm	KB	05-JUN-00	180	6020
			SB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	107.	ppm	JN	31-MAY-00	28	9036
			TDS	602.	ppm	BD	18-MAY-00	7	160.1
			TSS	8.9	ppm	MC	19-MAY-00	7	160.2
			ZN	0.16	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.12	ppm	KB	05-JUN-00	180	6020
L000743-020	15-MAY-00	USC-32	AG	<0.005	ppm	VK	10-JUN-00	180	6010
			AG (D)	<0.005	ppm	VK	10-JUN-00	180	6010
			AL	<0.050	ppm	KB	05-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000743-020	15-MAY-00	USC-32	AL (D)	<0.050	ppm	KB	05-JUN-00	180	6020
			ALK.	155.	ppm CaCO3	DC	22-MAY-00		310.1
			AS	0.007	ppm	KB	05-JUN-00	180	6020
			AS (D)	0.007	ppm	KB	05-JUN-00	180	6020
			CA	119.	ppm	VK	10-JUN-00	180	6010
			CAT/AN BAL	<1.0	%	BD	19-JUN-00		
			CD	0.003	ppm	KB	05-JUN-00	180	6020
			CD (D)	0.001	ppm	KB	05-JUN-00	180	6020
			CL-	128.	ppm	JN	31-MAY-00	28	325.2
			CO3	<1.0	ppm CaCO3	DC	22-MAY-00	14	310.1
			CR	<0.010	ppm	BD	19-JUN-00	180	6010
			CR (D)	<0.010	ppm	BD	19-JUN-00	180	6010
			CU	<0.005	ppm	KB	05-JUN-00	180	6020
			CU (D)	<0.005	ppm	KB	05-JUN-00		6020
			FE	0.22	ppm	VK	10-JUN-00	180	6010
			FE (D)	<0.10	ppm	VK	10-JUN-00	180	6010
			HARD	431.	ppm CaCO3	BD	10-JUN-00		2340B
			HCO3	155.	ppm CaCO3	DC	22-MAY-00	14	310.1
			K	<2.0	ppm	VK	10-JUN-00	180	6010
			MG	33.	ppm	VK	10-JUN-00	180	6010
			MN	0.19	ppm	BD	19-JUN-00	180	6010
			MN (D)	0.17	ppm	BD	19-JUN-00	180	6010
			NA	60.	ppm	VK	10-JUN-00	180	6010
			NH3/N	<0.050	ppm	JN	24-MAY-00	28	350.1
			NO2/NO3	0.11	ppm	JN	19-MAY-00	28	353.2
			PB	0.034	ppm	KB	05-JUN-00	180	6020
			PB (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			PH	8.2	pH	DC	22-MAY-00		150.1
			PO4	<0.050	ppm	JN	18-MAY-00		365.1
			SB	0.006	ppm	KB	05-JUN-00	180	6020
			SB (D)	0.006	ppm	KB	05-JUN-00	180	6020
			SE	<0.005	ppm	KB	05-JUN-00	180	6020
			SE (D)	<0.005	ppm	KB	05-JUN-00	180	6020
			SO4=	250.	ppm	JN	31-MAY-00	28	9036
			TDS	711.	ppm	BD	18-MAY-00	7	160.1
			TSS	3.9	ppm	MC	19-MAY-00	7	160.2
			ZN	0.62	ppm	KB	05-JUN-00	180	6020
			ZN (D)	0.52	ppm	KB	05-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT


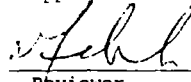
United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: L000743

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
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PH is a field parameter therefore holding time cannot be met
by the laboratory.
Digestion Methods for totals --- 3010 and 6020.


Approved

Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: WG000406

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000406-1		Matrix Spike	AG	80	%Recovery	BD	19-JUN-00	6010	
			AG(D)	88	%Recovery	BD	19-JUN-00	6010	
			AS	104	%Recovery	KB	05-JUN-00	6020	
			AS(D)	110	%Recovery	KB	05-JUN-00	6020	
			CD	105	%Recovery	KB	05-JUN-00	6020	
			CD(D)	107	%Recovery	KB	05-JUN-00	6020	
			CL-	103	%Recovery	JN	31-MAY-00	325.2	
			CR	111	%Recovery	BD	19-JUN-00	6010	
			CR(D)	108	%Recovery	BD	19-JUN-00	6010	
			CU	99	%Recovery	KB	05-JUN-00	6020	
			CU(D)	99	%Recovery	KB	05-JUN-00	6020	
			FE	93	%Recovery	VK	10-JUN-00	6010	
			FE(D)	92	%Recovery	VK	10-JUN-00	6010	
			K	98	%Recovery	VK	10-JUN-00	6010	
			MN	110	%Recovery	BD	19-JUN-00	6010	
			MN(D)	108	%Recovery	BD	19-JUN-00	6010	
			NA	93	%Recovery	VK	10-JUN-00	6010	
			NH3/N	81	%Recovery	JN	24-MAY-00	350.1	
			NO2/NO3	104	%Recovery	JN	19-MAY-00	353.2	
			PB	110	%Recovery	KB	05-JUN-00	6020	
			PB(D)	104	%Recovery	KB	05-JUN-00	6020	
			PO4	108	%Recovery	JN	18-MAY-00	365.1	
			SB	106	%Recovery	KB	05-JUN-00	6020	
			SB(D)	104	%Recovery	KB	05-JUN-00	6020	
			SE	103	%Recovery	KB	05-JUN-00	6020	
			SE(D)	116	%Recovery	KB	05-JUN-00	6020	
			SO4=	102	%Recovery	JN	31-MAY-00	9036	
			ZN	101	%Recovery	KB	05-JUN-00	6020	
			ZN(D)	99	%Recovery	KB	05-JUN-00	6020	
WG000406-2		Prep Blank	AG	<0.005	ppm	VK	10-JUN-00	6010	
			AG(D)	<0.005	ppm	VK	10-JUN-00	6010	
			ALK.	<1.0	ppm CaCO3	DC	22-MAY-00	310.1	
			AS	<0.005	ppm	KB	05-JUN-00	6020	
			AS(D)	<0.005	ppm	KB	05-JUN-00	6020	
			CA	<1.0	ppm	VK	10-JUN-00	6010	
			CD	<0.001	ppm	KB	05-JUN-00	6020	
			CD(D)	<0.001	ppm	KB	05-JUN-00	6020	
			CL-	<1.0	ppm	JN	31-MAY-00	325.2	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: WG000406

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000406-2		Prep Blank	CO3	<1.0	ppm CaCO3	DC	22-MAY-00	310.1	
			CR	<0.010	ppm	BD	19-JUN-00	6010	
			CR (D)	<0.010	ppm	BD	19-JUN-00	6010	
			CU	<0.005	ppm	KB	05-JUN-00	6020	
			CU (D)	<0.005	ppm	KB	05-JUN-00	6020	
			FE	<0.10	ppm	VK	10-JUN-00	6010	
			FE (D)	<0.10	ppm	VK	10-JUN-00	6010	
			HARD	<1.0	ppm CaCO3	BD	10-JUN-00	2340B	
			HCO3	<1.0	ppm CaCO3	DC	22-MAY-00	310.1	
			K	<2.0	ppm	VK	10-JUN-00	6010	
			MG	<1.0	ppm	VK	10-JUN-00	6010	
			MN	<0.010	ppm	BD	19-JUN-00	6010	
			MN (D)	<0.010	ppm	BD	19-JUN-00	6010	
			NA	<2.0	ppm	VK	10-JUN-00	6010	
			NH3/N	<0.050	ppm	JN	24-MAY-00	350.1	
			NO2/NO3	<0.050	ppm	JN	19-MAY-00	353.2	
			PB	<0.005	ppm	KB	05-JUN-00	6020	
			PB (D)	<0.005	ppm	KB	05-JUN-00	6020	
			PO4	<0.050	ppm	JN	18-MAY-00	365.1	
			SB	<0.005	ppm	KB	05-JUN-00	6020	
			SB (D)	<0.005	ppm	KB	05-JUN-00	6020	
			SE	<0.005	ppm	KB	05-JUN-00	6020	
			SE (D)	<0.005	ppm	KB	05-JUN-00	6020	
			SO4=	<2.0	ppm	JN	31-MAY-00	9036	
			TDS	<10.	ppm	BD	18-MAY-00	160.1	
			TSS	<1.0	ppm	MC	19-MAY-00	160.2	
			ZN	<0.010	ppm	KB	05-JUN-00	6020	
			ZN (D)	<0.010	ppm	KB	05-JUN-00	6020	
WG000406-3		Lab Control Sample	AG	95	%Recovery	VK	10-JUN-00	6010	
			AG (D)	100	%Recovery	VK	10-JUN-00	6010	
			ALK.	98	%Recovery	DC	22-MAY-00	310.1	
			AS	109	%Recovery	KB	05-JUN-00	6020	
			AS (D)	101	%Recovery	KB	05-JUN-00	6020	
			CA	105	%Recovery	VK	10-JUN-00	6010	
			CD	108	%Recovery	KB	05-JUN-00	6020	
			CD (D)	106	%Recovery	KB	05-JUN-00	6020	
			CL-	106	%Recovery	JN	31-MAY-00	325.2	
			CR	85	%Recovery	BD	19-JUN-00	6010	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: WG000406

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000406-3		Lab Control Sample	CR (D)	102	%Recovery	BD	19-JUN-00	6010	
			CU	104	%Recovery	KB	05-JUN-00	6020	
			CU (D)	101	%Recovery	KB	05-JUN-00	6020	
			FE	92	%Recovery	VK	10-JUN-00	6010	
			FE (D)	95	%Recovery	VK	10-JUN-00	6010	
			HCO3	98	%Recovery	DC	22-MAY-00	310.1	
			K	96	%Recovery	VK	10-JUN-00	6010	
			MG	100	%Recovery	VK	10-JUN-00	6010	
			MN	85	%Recovery	BD	19-JUN-00	6010	
			MN (D)	102	%Recovery	BD	19-JUN-00	6010	
			NA	93	%Recovery	VK	10-JUN-00	6010	
			NH3/N	102	%Recovery	JN	24-MAY-00	350.1	
			NO2/NO3	99	%Recovery	JN	19-MAY-00	353.2	
			PB	109	%Recovery	KB	05-JUN-00	6020	
			PB (D)	102	%Recovery	KB	05-JUN-00	6020	
			PO4	98	%Recovery	JN	18-MAY-00	365.1	
			SB	107	%Recovery	KB	05-JUN-00	6020	
			SB (D)	103	%Recovery	KB	05-JUN-00	6020	
			SE	108	%Recovery	KB	05-JUN-00	6020	
			SE (D)	104	%Recovery	KB	05-JUN-00	6020	
			SO4=	95	%Recovery	JN	31-MAY-00	9036	
			TDS	99	%Recovery	BD	18-MAY-00	160.1	
			TSS	79	%Recovery	MC	19-MAY-00	160.2	
			ZN	113	%Recovery	KB	05-JUN-00	6020	
			ZN (D)	104	%Recovery	KB	05-JUN-00	6020	
WG000406-4		Duplicate	AG	<1	% RPD	VK	10-JUN-00	6010	
			AG (D)	<1	% RPD	VK	10-JUN-00	6010	
			ALK.	<1	% RPD	DC	22-MAY-00	310.1	
			AS	<1	% RPD	KB	05-JUN-00	6020	
			AS (D)	<1	% RPD	KB	05-JUN-00	6020	
			CA	<1	% RPD	VK	10-JUN-00	6010	
			CD	<1	% RPD	KB	05-JUN-00	6020	
			CD (D)	<1	% RPD	KB	05-JUN-00	6020	
			CL-	3.2	% RPD	JN	31-MAY-00	325.2	
			CO3	<1	% RPD	DC	22-MAY-00	310.1	
			CR	<1	% RPD	BD	19-JUN-00	6010	
			CR (D)	<1	% RPD	BD	19-JUN-00	6010	
			CU	<1	% RPD	KB	05-JUN-00	6020	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: WG000406

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000406-4	Duplicate		CU (D)	<1	% RPD	KB	05-JUN-00	6020	
			FE	5.4	% RPD	VK	10-JUN-00	6010	
			FE (D)	<1	% RPD	VK	10-JUN-00	6010	
			HARD	<1	% RPD	BD	10-JUN-00	23408	
			HCO3	<1	% RPD	DC	22-MAY-00	310.1	
			K	<1	% RPD	VK	10-JUN-00	6010	
			MG	<1	% RPD	VK	10-JUN-00	6010	
			MN	2.1	% RPD	BD	19-JUN-00	6010	
			MN (D)	<1	% RPD	BD	19-JUN-00	6010	
			NA	2.9	% RPD	VK	10-JUN-00	6010	
			NH3/N	<1	% RPD	JN	24-MAY-00	350.1	
			NO2/NO3	5.0	% RPD	JN	19-MAY-00	353.2	
			PB	+/- prdl	% RPD	KB	05-JUN-00	6020	
			PB (D)	<1	% RPD	KB	05-JUN-00	6020	
			PO4	<1	% RPD	JN	18-MAY-00	365.1	
			SB	<1	% RPD	KB	05-JUN-00	6020	
			SB (D)	<1	% RPD	KB	05-JUN-00	6020	
			SE	<1	% RPD	KB	05-JUN-00	6020	
			SE (D)	<1	% RPD	KB	05-JUN-00	6020	
			SO4=	4.2	% RPD	JN	31-MAY-00	9036	
			TDS	3.9	% RPD	BD	18-MAY-00	160.1	
			TSS	<1	% RPD	MC	19-MAY-00	160.2	
			ZN	<1	% RPD	KB	05-JUN-00	6020	
			ZN (D)	<1	% RPD	KB	05-JUN-00	6020	
WG000406-5	Reporting Limit		AG	0.005	ppm			6010	
			AG (D)	0.005	ppm			6010	
			ALK.	1.0	ppm CaCO3			310.1	
			AS	0.005	ppm			6020	
			AS (D)	0.005	ppm			6020	
			CA	1.0	ppm			6010	
			CD	0.001	ppm			6020	
			CD (D)	0.001	ppm			6020	
			CL-	1.0	ppm			325.2	
			CO3	1.0	ppm CaCO3			310.1	
			CR	0.010	ppm			6010	
			CR (D)	0.010	ppm			6010	
			CU	0.005	ppm			6020	
			CU (D)	0.005	ppm			6020	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

(Project AG CREEK WATERSHED)

Batch No: WG000406

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000406-5		Reporting Limit	FE	0.10	ppm				6010
			FE (D)	0.10	ppm				6010
			HARD	1.0	ppm CaCO3				2340B
			HCO3	1.0	ppm CaCO3				310.1
			K	2.0	ppm				6010
			MG	1.0	ppm				6010
			MN	0.010	ppm				6010
			MN (D)	0.010	ppm				6010
			NA	2.0	ppm				6010
			NH3/N	0.050	ppm				350.1
			NO2/NO3	0.050	ppm				353.2
			PB	0.005	ppm				6020
			PB (D)	0.005	ppm				6020
			PO4	0.050	ppm				365.1
			SB	0.005	ppm				6020
			SB (D)	0.005	ppm				6020
			SE	0.005	ppm				6020
			SE (D)	0.005	ppm				6020
			SO4=	2.0	ppm				9036
			TDS	10.	ppm				160.1
			TSS	1.0	ppm				160.2
			ZN	0.010	ppm				6020
			ZN (D)	0.010	ppm				6020

Approved

Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: L000828

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000828-001	31-MAY-00	LBA	CA	5.7	ppm	DC	07-JUN-00	180	6010
			CD	<.003	ppm	CH	19-JUN-00	180	6020
			CD (D)	<.003	ppm	CH	19-JUN-00	180	6020
			FE	.063	ppm	DC	07-JUN-00	180	6010
			FE (D)	.030	ppm	DC	07-JUN-00	180	6010
			HARD	21.	ppm CaCO3	DC	07-JUN-00		2340B
			MG	1.7	ppm	DC	07-JUN-00	180	6010
			MN	<.010	ppm	CH	19-JUN-00	180	6020
			MN (D)	<.010	ppm	CH	19-JUN-00	180	6020
			PB	<.005	ppm	CH	19-JUN-00	180	6020
			PB (D)	<.005	ppm	CH	19-JUN-00	180	6020
			PH	6.9	pH	DC	06-JUN-00		150.1
			TDS	45.	ppm	DC	01-JUN-00	7	160.1
			TSS	2.2	ppm	DC	01-JUN-00	7	160.2
			ZN	.045	ppm	CH	19-JUN-00	180	6020
			ZN (D)	.027	ppm	CH	19-JUN-00	180	6020
L000828-002	31-MAY-00	LBB	CA	8.5	ppm	DC	07-JUN-00	180	6010
			CD	<.003	ppm	CH	19-JUN-00	180	6020
			CD (D)	<.003	ppm	CH	19-JUN-00	180	6020
			FE	.39	ppm	DC	07-JUN-00	180	6010
			FE (D)	.031	ppm	DC	07-JUN-00	180	6010
			HARD	33.	ppm CaCO3	DC	07-JUN-00		2340B
			MG	2.8	ppm	DC	07-JUN-00	180	6010
			MN	<.010	ppm	CH	19-JUN-00	180	6020
			MN (D)	<.010	ppm	CH	19-JUN-00	180	6020
			PB	<.005	ppm	CH	19-JUN-00	180	6020
			PB (D)	<.005	ppm	CH	19-JUN-00	180	6020
			PH	6.9	pH	DC	06-JUN-00		150.1
			TDS	55.	ppm	DC	01-JUN-00	7	160.1
			TSS	2.2	ppm	DC	01-JUN-00	7	160.2
			ZN	.071	ppm	CH	19-JUN-00	180	6020
			ZN (D)	.065	ppm	CH	19-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

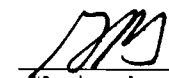
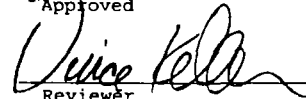
Kerry Gee (Project 199)

Batch No: L000828

LAB NO	DATE	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	HOLD
	COLLECTED						ANALYZED	DAYS METHOD

DIGESTION--3010

PH IS A FIELD PARAMETER THEREFORE THE HOLDING TIME
CANNOT BE MET BY THE LABORATORY.


Approved

Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000435

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000435-1		Matrix Spike	CA	78	%Recovery	DC	07-JUN-00	6010	
			CD	98	%Recovery	CH	19-JUN-00	6020	
			CD(D)	103	%Recovery	CH	19-JUN-00	6020	
			FE	82	%Recovery	DC	07-JUN-00	6010	
			FE(D)	110	%Recovery	DC	07-JUN-00	6010	
			MG	89	%Recovery	DC	07-JUN-00	6010	
			MN	98	%Recovery	CH	19-JUN-00	6020	
			MN(D)	99	%Recovery	CH	19-JUN-00	6020	
			PB	100	%Recovery	CH	19-JUN-00	6020	
			PB(D)	106	%Recovery	CH	19-JUN-00	6020	
			ZN	96	%Recovery	CH	19-JUN-00	6020	
			ZN(D)	107	%Recovery	CH	19-JUN-00	6020	
WG000435-2		Prep Blank	CA	<1	ppm	DC	07-JUN-00	6010	
			CD	<.003	ppm	CH	19-JUN-00	6020	
			CD(D)	<.003	ppm	CH	19-JUN-00	6020	
			FE	<.01	ppm	DC	07-JUN-00	6010	
			FE(D)	<.01	ppm	DC	07-JUN-00	6010	
			MG	<1	ppm	DC	07-JUN-00	6010	
			MN	<.01	ppm	CH	19-JUN-00	6020	
			MN(D)	<.01	ppm	CH	19-JUN-00	6020	
			PB	<.005	ppm	CH	19-JUN-00	6020	
			PB(D)	<.005	ppm	CH	19-JUN-00	6020	
			TDS	<10	ppm	DC	01-JUN-00	160.1	
			TSS	<1	ppm	DC	01-JUN-00	160.2	
			ZN	<.01	ppm	CH	19-JUN-00	6020	
			ZN(D)	<.01	ppm	CH	19-JUN-00	6020	
WG000435-3		Lab Control Sample	CA	96	%Recovery	DC	07-JUN-00	6010	
			CD	97	%Recovery	CH	19-JUN-00	6020	
			FE	100	%Recovery	DC	07-JUN-00	6010	
			MG	93	%Recovery	DC	07-JUN-00	6010	
			MN	103	%Recovery	CH	19-JUN-00	6020	
			PB	101	%Recovery	CH	19-JUN-00	6020	
			TDS	97	%Recovery	DC	01-JUN-00	160.1	
			TSS	99	%Recovery	DC	01-JUN-00	160.2	
			ZN	94	%Recovery	CH	19-JUN-00	6020	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000435

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000435-4		Duplicate	CA	<1	% RPD	DC	07-JUN-00	6010	
			CD	<1	% RPD	CH	19-JUN-00	6020	
			CD (D)	<1	% RPD	CH	19-JUN-00	6020	
			FE	16.	% RPD	DC	07-JUN-00	6010	
			FE (D)	14.	% RPD	DC	07-JUN-00	6010	
			MG	<1	% RPD	DC	07-JUN-00	6010	
			MN	<1	% RPD	CH	19-JUN-00	6020	
			MN (D)	<1	% RPD	CH	19-JUN-00	6020	
			PB	<1	% RPD	CH	19-JUN-00	6020	
			PB (D)	<1	% RPD	CH	19-JUN-00	6020	
			TDS	<1	% RPD	DC	01-JUN-00	160.1	
			TSS	7.1	% RPD	DC	01-JUN-00	160.2	
			ZN	12.	% RPD	CH	19-JUN-00	6020	
			ZN (D)	19.	% RPD	CH	19-JUN-00	6020	
WG000435-5		Reporting Limit	CA	1.	ppm			6010	
			CD	.003	ppm			6020	
			CD (D)	.003	ppm			6020	
			FE	.01	ppm			6010	
			FE (D)	.01	ppm			6010	
			MG	1.	ppm			6010	
			MN	.01	ppm			6020	
			MN (D)	.01	ppm			6020	
			PB	.005	ppm			6020	
			PB (D)	.005	ppm			6020	
			TDS	10.	ppm			160.1	
			TSS	1.	ppm			160.2	
			ZN	.01	ppm			6020	
			ZN (D)	.01	ppm			6020	

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Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: L000829

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000829-001	31-MAY-00	GET	CA	19.	ppm	DC	07-JUN-00	180	6010
			CD	<.003	ppm	CH	19-JUN-00	180	6020
			CD(D)	<.003	ppm	CH	19-JUN-00	180	6020
			FE	.10	ppm	DC	07-JUN-00	180	6010
			FE(D)	<.010	ppm	DC	07-JUN-00	180	6010
			HARD	67.	ppm CaCO3	DC	07-JUN-00		2340B
			MG	4.7	ppm	DC	07-JUN-00	180	6010
			MN	<.010	ppm	CH	19-JUN-00	180	6020
			MN(D)	<.010	ppm	CH	19-JUN-00	180	6020
			PB	<.005	ppm	CH	19-JUN-00	180	6020
			PB(D)	<.005	ppm	CH	19-JUN-00	180	6020
			PH	6.5	pH	DC	06-JUN-00		150.1
			TDS	88.	ppm	DC	01-JUN-00	7	160.1
			TSS	1.5	ppm	DC	01-JUN-00	7	160.2
			ZN	.044	ppm	CH	19-JUN-00	180	6020
			ZN(D)	.053	ppm	CH	19-JUN-00	180	6020

DIGESTION--3010

PH IS A FIELD PARAMETER THEREFORE THE HOLDING TIME
CANNOT BE MET BY THE LABORATORY.

Approved

Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000436

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000436-1		Matrix Spike	CA	78	%Recovery	DC	07-JUN-00	6010	
			CD	98	%Recovery	CH	19-JUN-00	6020	
			CD(D)	103	%Recovery	CH	19-JUN-00	6020	
			FE	82	%Recovery	DC	07-JUN-00	6010	
			FE(D)	110	%Recovery	DC	07-JUN-00	6010	
			MG	89	%Recovery	DC	07-JUN-00	6010	
			MN	98	%Recovery	CH	19-JUN-00	6020	
			MN(D)	99	%Recovery	CH	19-JUN-00	6020	
			PB	100	%Recovery	CH	19-JUN-00	6020	
			PB(D)	106	%Recovery	CH	19-JUN-00	6020	
			ZN	96	%Recovery	CH	19-JUN-00	6020	
			ZN(D)	107	%Recovery	CH	19-JUN-00	6020	
WG000436-2		Prep Blank	CA	<1	ppm	DC	07-JUN-00	6010	
			CD	<.003	ppm	CH	19-JUN-00	6020	
			CD(D)	<.003	ppm	CH	19-JUN-00	6020	
			FE	<.01	ppm	DC	07-JUN-00	6010	
			FE(D)	<.01	ppm	DC	07-JUN-00	6010	
			MG	<1	ppm	DC	07-JUN-00	6010	
			MN	<.01	ppm	CH	19-JUN-00	6020	
			MN(D)	<.01	ppm	CH	19-JUN-00	6020	
			PB	<.005	ppm	CH	19-JUN-00	6020	
			PB(D)	<.005	ppm	CH	19-JUN-00	6020	
			TDS	<10	ppm	DC	01-JUN-00	160.1	
			TSS	<1	ppm	DC	01-JUN-00	160.2	
			ZN	<.01	ppm	CH	19-JUN-00	6020	
			ZN(D)	>.01	ppm	CH	19-JUN-00	6020	
WG000436-3		Lab Control Sample	CA	96	%Recovery	DC	07-JUN-00	6010	
			CD	97	%Recovery	CH	19-JUN-00	6020	
			FE	100	%Recovery	DC	07-JUN-00	6010	
			MG	93	%Recovery	DC	07-JUN-00	6010	
			MN	103	%Recovery	CH	19-JUN-00	6020	
			PB	101	%Recovery	CH	19-JUN-00	6020	
			TDS	97	%Recovery	DC	01-JUN-00	160.1	
			TSS	99	%Recovery	DC	01-JUN-00	160.2	
			ZN	94	%Recovery	CH	19-JUN-00	6020	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000436

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000436-4		Duplicate	CA	<1	% RPD	DC	07-JUN-00	6010	
			CD	<1	% RPD	CH	19-JUN-00	6020	
			CD (D)	<1	% RPD	CH	19-JUN-00	6020	
			FE	16.	% RPD	DC	07-JUN-00	6010	
			FE (D)	14.	% RPD	DC	07-JUN-00	6010	
			MG	<1	% RPD	DC	07-JUN-00	6010	
			MN	<1	% RPD	CH	19-JUN-00	6020	
			MN (D)	<1	% RPD	CH	19-JUN-00	6020	
			PB	<1	% RPD	CH	19-JUN-00	6020	
			PB (D)	<1	% RPD	CH	19-JUN-00	6020	
			TDS	2.1	% RPD	DC	01-JUN-00	160.1	
			TSS	7.1	% RPD	DC	01-JUN-00	160.2	
			ZN	12.	% RPD	CH	19-JUN-00	6020	
			ZN (D)	19.	% RPD	CH	19-JUN-00	6020	
WG000436-5		Reporting Limit	CA	1.	ppm			6010	
			CD	.003	ppm			6020	
			CD (D)	.003	ppm			6020	
			FE	.01	ppm			6010	
			FE (D)	.01	ppm			6010	
			MG	1.	ppm			6010	
			MN	.01	ppm			6020	
			MN (D)	.01	ppm			6020	
			PB	.005	ppm			6020	
			PB (D)	.005	ppm			6020	
			TDS	10.	ppm			160.1	
			TSS	1.	ppm			160.2	
			ZN	.01	ppm			6020	
			ZN (D)	.01	ppm			6020	

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Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: L000864

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000864-001	05-JUN-00	TC-1	AG	.009	ppm	CH	14-JUN-00	180	6020
			AG(D)	<.005	ppm	CH	14-JUN-00	180	6020
			AL	<.040	ppm	MK	15-JUN-00	180	6010
			AL(D)	<.040	ppm	MK	15-JUN-00	180	6010
			AS	<.005	ppm	CH	14-JUN-00	180	6020
			AS(D)	<.005	ppm	CH	14-JUN-00	180	6020
			CA	85.	ppm	MK	15-JUN-00	180	6010
			CD	.035	ppm	CH	14-JUN-00	180	6020
			CD(D)	.036	ppm	CH	14-JUN-00	180	6020
			CU	.010	ppm	CH	14-JUN-00	180	6020
			CU(D)	.006	ppm	CH	14-JUN-00		6020
			FE	<.050	ppm	MK	15-JUN-00	180	6010
			FE(D)	<.050	ppm	MK	15-JUN-00	180	6010
			HARD	237.	ppm	DC	15-JUN-00		2340B
			MG	6.0	ppm	MK	15-JUN-00	180	6010
			MN	.011	ppm	CH	14-JUN-00	180	6020
			MN(D)	<.010	ppm	CH	14-JUN-00	180	6020
			PB	.025	ppm	CH	14-JUN-00	180	6020
			PB(D)	.024	ppm	CH	14-JUN-00	180	6020
			PH	7.5	pH	DC	09-JUN-00		150.1
			SB	.005	ppm	CH	14-JUN-00	180	6020
			SB(D)	<.005	ppm	CH	14-JUN-00	180	6020
			SE	.037	ppm	CH	14-JUN-00	180	6020
			SE(D)	.031	ppm	CH	14-JUN-00	180	6020
			TDS	660	ppm	DC	08-JUN-00	7	160.1
			TSS	<1	ppm	DC	08-JUN-00	7	160.2
			ZN	3.0	ppm	CH	14-JUN-00	180	6020
			ZN(D)	2.9	ppm	CH	14-JUN-00	180	6020
L000864-002	05-JUN-00	CT-1	AG	<.005	ppm	CH	14-JUN-00	180	6020
			AG(D)	<.005	ppm	CH	14-JUN-00	180	6020
			AL	<.040	ppm	MK	15-JUN-00	180	6010
			AL(D)	<.040	ppm	MK	15-JUN-00	180	6010
			AS	<.005	ppm	CH	14-JUN-00	180	6020
			AS(D)	.006	ppm	CH	14-JUN-00	180	6020
			CA	63.	ppm	MK	15-JUN-00	180	6010
			CD	.007	ppm	CH	14-JUN-00	180	6020
			CD(D)	.008	ppm	CH	14-JUN-00	180	6020
			CU	.022	ppm	CH	14-JUN-00	180	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: L000864

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L000864-002	05-JUN-00	CT-1	CU(D)	.011	ppm	CH	14-JUN-00	6020	
			FE	.070	ppm	MK	15-JUN-00	180	6010
			FE(D)	<.050	ppm	MK	15-JUN-00	180	6010
			HARD	175.	ppm	DC	15-JUN-00		2340B
			MG	4.2	ppm	MK	15-JUN-00	180	6010
			MN	.045	ppm	CH	14-JUN-00	180	6020
			MN(D)	.038	ppm	CH	14-JUN-00	180	6020
			PB	<.005	ppm	CH	14-JUN-00	180	6020
			PB(D)	<.005	ppm	CH	14-JUN-00	180	6020
			PH	7.2	pH	DC	09-JUN-00		150.1
			SB	.008	ppm	CH	14-JUN-00	180	6020
			SB(D)	<.005	ppm	CH	14-JUN-00	180	6020
			SE	.017	ppm	CH	14-JUN-00	180	6020
			SE(D)	.014	ppm	CH	14-JUN-00	180	6020
			TDS	165	ppm	DC	08-JUN-00	7	160.1
			TSS	<1	ppm	DC	08-JUN-00	7	160.2
			ZN	1.6	ppm	CH	14-JUN-00	180	6020
			ZN(D)	1.7	ppm	CH	14-JUN-00	180	6020

DIGESTION--3010

PH IS A FIELD PARAMETER THEREFORE THE HOLDING TIME
CANNOT BE MET BY THE LABORATORY.

Approved

Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	HOLD
							ANALYZED	DAYS METHOD
WG000451-1		Matrix Spike	AG	84	%Recovery	CH	14-JUN-00	6020
			AG(D)	99	%Recovery	CH	14-JUN-00	6020
			AL	97	%Recovery	MK	15-JUN-00	6010
			AL(D)	93	%Recovery	MK	15-JUN-00	6010
			AS	104	%Recovery	CH	14-JUN-00	6020
			AS(D)	109	%Recovery	CH	14-JUN-00	6020
			CA	8x>4xsa	%Recovery	MK	15-JUN-00	6010
			CD	99	%Recovery	CH	14-JUN-00	6020
			CD(D)	105	%Recovery	CH	14-JUN-00	6020
			CU	99	%Recovery	CH	14-JUN-00	6020
			CU(D)	100	%Recovery	CH	14-JUN-00	6020
			FE	105	%Recovery	MK	15-JUN-00	6010
			FE(D)	92	%Recovery	MK	15-JUN-00	6010
			MG	90	%Recovery	MK	15-JUN-00	6010
			MN	104	%Recovery	CH	14-JUN-00	6020
			MN(D)	98	%Recovery	CH	14-JUN-00	6020
			PB	94	%Recovery	CH	14-JUN-00	6020
			PB(D)	111	%Recovery	CH	14-JUN-00	6020
			SB	99	%Recovery	CH	14-JUN-00	6020
			SB(D)	102	%Recovery	CH	14-JUN-00	6020
			SE	104	%Recovery	CH	14-JUN-00	6020
			SE(D)	114	%Recovery	CH	14-JUN-00	6020
			ZN(D)	93	%Recovery	CH	14-JUN-00	6020
WG000451-2		Prep Blank	AG	<.005	ppm	CH	14-JUN-00	6020
			AG(D)	<.005	ppm	CH	14-JUN-00	6020
			AL	<.04	ppm	MK	15-JUN-00	6010
			AL(D)	<.04	ppm	MK	15-JUN-00	6010
			AS	<.005	ppm	CH	14-JUN-00	6020
			AS(D)	<.005	ppm	CH	14-JUN-00	6020
			CA	<2	ppm	MK	15-JUN-00	6010
			CD	<.001	ppm	CH	14-JUN-00	6020
			CD(D)	<.001	ppm	CH	14-JUN-00	6020
			CU	<.005	ppm	CH	14-JUN-00	6020
			CU(D)	<.005	ppm	CH	14-JUN-00	6020
			FE	<.05	ppm	MK	15-JUN-00	6010
			FE(D)	<.05	ppm	MK	15-JUN-00	6010
			MG	<2	ppm	MK	15-JUN-00	6010
			MN	<.01	ppm	CH	14-JUN-00	6020

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000451-2		Prep Blank	MN(D)	<.01	ppm	CH	14-JUN-00	6020	
			PB	<.005	ppm	CH	14-JUN-00	6020	
			PB(D)	<.005	ppm	CH	14-JUN-00	6020	
			SB	<.005	ppm	CH	14-JUN-00	6020	
			SB(D)	<.005	ppm	CH	14-JUN-00	6020	
			SE	<.005	ppm	CH	14-JUN-00	6020	
			SE(D)	<.005	ppm	CH	14-JUN-00	6020	
			TDS	<10	ppm	DC	08-JUN-00	160.1	
			TSS	<1	ppm	DC	08-JUN-00	160.2	
			ZN	<.02	ppm	CH	14-JUN-00	6020	
			ZN(D)	<.02	ppm	CH	14-JUN-00	6020	
WG000451-3		Lab Control Sample	AG	111	%Recovery	CH	14-JUN-00	6020	
			AL	95	%Recovery	MK	15-JUN-00	6010	
			AS	98	%Recovery	CH	14-JUN-00	6020	
			CA	108	%Recovery	MK	15-JUN-00	6010	
			CD	97	%Recovery	CH	14-JUN-00	6020	
			CU	107	%Recovery	CH	14-JUN-00	6020	
			FE	97	%Recovery	MK	15-JUN-00	6010	
			MG	106	%Recovery	MK	15-JUN-00	6010	
			MN	110	%Recovery	CH	14-JUN-00	6020	
			PB	97	%Recovery	CH	14-JUN-00	6020	
			SB	99	%Recovery	CH	14-JUN-00	6020	
			SE	94	%Recovery	CH	14-JUN-00	6020	
			TDS	99	%Recovery	DC	08-JUN-00	160.1	
			TSS	98	%Recovery	DC	08-JUN-00	160.2	
			ZN	100	%Recovery	CH	14-JUN-00	6020	
WG000451-4		Duplicate	AG	<1	% RPD	CH	14-JUN-00	6020	
			AG(D)	<1	% RPD	CH	14-JUN-00	6020	
			AL	<1	% RPD	MK	15-JUN-00	6010	
			AL(D)	<1	% RPD	MK	15-JUN-00	6010	
			AS	<1	% RPD	CH	14-JUN-00	6020	
			AS(D)	<1	% RPD	CH	14-JUN-00	6020	
			CA	<1	% RPD	MK	15-JUN-00	6010	
			CD	1.4	% RPD	CH	14-JUN-00	6020	
			CD(D)	2.2	% RPD	CH	14-JUN-00	6020	
			CU	+ -pq1	% RPD	CH	14-JUN-00	6020	
			CU(D)	<1	% RPD	CH	14-JUN-00	6020	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000451-4		Duplicate	FE	<1	% RPD	MK	15-JUN-00	6010	
			FE (D)	<1	% RPD	MK	15-JUN-00	6010	
			MG	5.7	% RPD	MK	15-JUN-00	6010	
			MN	<1	% RPD	CH	14-JUN-00	6020	
			MN (D)	<1	% RPD	CH	14-JUN-00	6020	
			PB	<1	% RPD	CH	14-JUN-00	6020	
			PB (D)	11.	% RPD	CH	14-JUN-00	6020	
			SB	+ -pq1	% RPD	CH	14-JUN-00	6020	
			SB (D)	<1	% RPD	CH	14-JUN-00	6020	
			SE	8.1	% RPD	CH	14-JUN-00	6020	
			SE (D)	1.3	% RPD	CH	14-JUN-00	6020	
			TDS	2.5	% RPD	DC	08-JUN-00	160.1	
			TSS	<1	% RPD	DC	08-JUN-00	160.2	
			ZN	2.1	% RPD	CH	14-JUN-00	6020	
			ZN (D)	1.1	% RPD	CH	14-JUN-00	6020	
WG000451-5		Reporting Limit	AG	.005	ppm			6020	
			AG (D)	.005	ppm			6020	
			AL	.04	ppm			6010	
			AL (D)	.04	ppm			6010	
			AS	.005	ppm			6020	
			AS (D)	.005	ppm			6020	
			CA	2	ppm			6010	
			CD	.001	ppm			6020	
			CD (D)	.001	ppm			6020	
			CU	.005	ppm			6020	
			CU (D)	.005	ppm			6020	
			FE	.05	ppm			6010	
			FE (D)	.05	ppm			6010	
			MG	2	ppm			6010	
			MN	.01	ppm			6020	
			MN (D)	.01	ppm			6020	
			PB	.005	ppm			6020	
			PB (D)	.005	ppm			6020	
			SB	.005	ppm			6020	
			SB (D)	.005	ppm			6020	
			SE	.005	ppm			6020	
			SE (D)	.005	ppm			6020	
			TDS	10	ppm			160.1	

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000451

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
WG000451-5		Reporting Limit	TSS	1	ppm			160.2	
			ZN	.02	ppm			6020	
			ZN(D)	.02	ppm			6020	

Approved

Reviewer

AEC

AMERICAN ENVIRONMENTAL CONSULTANTS LABORATORY

3422 South 700 West Salt Lake City, Utah 84119-4191

(801) 261-1426 • FAX (801) 264-9838

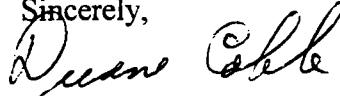
July 26, 2000

Mr. Kerry Gee
UNITED PARK CITY MINES
Box 1450
Park City, Utah 84060

Dear Mr. Gee:

Please find attached the analytical results for two water samples collected on May 16, 2000,
and received by the laboratory on July 21, 2000.

Sincerely,



Duane Coble
Laboratory/Environmental
Technician

Attach.



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AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT


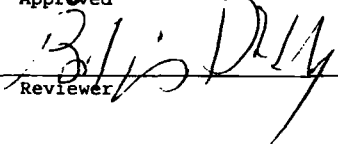
United Park City Mines

Kerry Gee (Project 199)

Batch No: L001164

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L001164-001	16-MAY-00	EMPIRE 1	CD	.022	ppm	CH	26-JUL-00	180	6020
			CD(D)	<.003	ppm	CH	26-JUL-00	180	6020
			PB	.062	ppm	CH	26-JUL-00	180	6020
			PB(D)	<.005	ppm	CH	26-JUL-00	180	6020
			ZN	.17	ppm	CH	26-JUL-00	180	6020
			ZN(D)	.078	ppm	CH	26-JUL-00	180	6020
L001164-002	16-MAY-00	RUBY 1	CD	.046	ppm	CH	26-JUL-00	180	6020
			CD(D)	<.003	ppm	CH	26-JUL-00	180	6020
			PB	.012	ppm	CH	26-JUL-00	180	6020
			PB(D)	<.005	ppm	CH	26-JUL-00	180	6020
			ZN	.091	ppm	CH	26-JUL-00	180	6020
			ZN(D)	.049	ppm	CH	26-JUL-00	180	6020

DIGESTION--3010


Approved
Reviewer

AMERICAN ENVIRONMENTAL CONSULTANTS

ANALYTICAL DATA REPORT

United Park City Mines

Kerry Gee (Project 199)

Batch No: WG000635

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	HOLD	METHOD
							ANALYZED	DAYS	
WG000635-1		Matrix Spike	CD	100	%Recovery	CH	26-JUL-00	6020	
			PB	97	%Recovery	CH	26-JUL-00	6020	
			ZN	100	%Recovery	CH	26-JUL-00	6020	
WG000635-2		Prep Blank	CD	<.003	ppm	CH	26-JUL-00	6020	
			CD(D)	<.003	ppm	CH	26-JUL-00	6020	
			PB	<.005	ppm	CH	26-JUL-00	6020	
			PB(D)	<.005	ppm	CH	26-JUL-00	6020	
			ZN	<.008	ppm	CH	26-JUL-00	6020	
			ZN(D)	<.008	ppm	CH	26-JUL-00	6020	
WG000635-3		Lab Control Sample	CD	93	%Recovery	CH	26-JUL-00	6020	
			PB	95	%Recovery	CH	26-JUL-00	6020	
			ZN	91	%Recovery	CH	26-JUL-00	6020	
WG000635-4		Matrix Spike Duplicate	CD	1.2	% RPD	CH	26-JUL-00	6020	
			PB	1.5	% RPD	CH	26-JUL-00	6020	
			ZN	<1	% RPD	CH	26-JUL-00	6020	
WG000635-5		Reporting Limit	CD	.003	ppm			6020	
			CD(D)	.003	ppm			6020	
			PB	.005	ppm			6020	
			PB(D)	.005	ppm			6020	
			ZN	.008	ppm			6020	
			ZN(D)	.008	ppm			6020	

Approved

Reviewer

Total and Dissolved Hg in Water
(Resource Management Consultants c/o Patrick Smith)

Frontier Geosciences Inc.
414 Pontius North, Suite B
Seattle, WA 98109

Samples analyzed June 5, 2000 (THG6-000605-1)

Sample Identification	[Hg], ng/L*	
	dissolved	total
USC-1	2.35	113
USC-4	1.18	1.28
USC-6	1.50	42.3
USC-7	3.28	51.9
USC-8	4.37	49.9
USC-12	36.6	155
USC-15	2.87	4.82
QC Summary		----
Mean method blank (1% BrCl)		0.08
Estimated MDL (1% BrCl)		0.13
USC-1 + 202.0 ng/L		MS: 286.6 (86.1%) MSD: 300.7 (93.1%)
NIST-1641d (Certified Water SRM)-µg/L		1,452 (91.3%)
Certified value-µg/L		1,590 ± 18

*Blank and dilution corrected