ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Geochemical Report

TOTAL COST: $38,284

AUTHOR(S): Paul Reynolds, P. Geo.
SIGNATURE(S): "*Paul Reynolds*" (Signed)

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 4243369

YEAR OF WORK: 2008

PROPERTY NAME: West Valley

CLAIM NAME(S) (on which work was done): See report

COMMODITIES SOUGHT: Cu, Mo, Au

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: 092ISW003, 006, 007, 024, 034, 044& 070

MINING DIVISION: Kamloops
NTS / BCGS: 092I/036, 046
LATITUDE: _____° _____' _____"
LONGITUDE: _____° _____' _____" (at centre of work)
UTM Zone: 10 EASTING: 635500 NORTHING: 5579300

OWNER(S): Happy Creek Minerals Ltd.

MAILING ADDRESS:
2310 – 1066 West Hastings Street
Vancouver, BC, V6E 3X2

OPERATOR(S) [who paid for the work]: As above

MAILING ADDRESS:

REPORT KEYWORDS:
The West Valley property is underlain by granodiorite, quartz diorite, quartz monzonite, and crowded quartz feldspar porphyry dykes. These lithologies are tentatively assigned to the Bethsaida, Skeena, Chataway and Border phases of the Upper Triassic - Lower Jurassic Guichon Creek batholith, a multi-phase calc-alkaline intrusion which hosts the Valley Copper and Lornex deposits to the north

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
3709, 1790, 4050

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil			
Silt	35	See Report	
Rock	19	See Report	
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying	54		
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		TOTAL COST	34, 284

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GEOCHEMICAL REPORT

on the

WEST VALLEY PROPERTY

Kamloops Mining Division
British Columbia

Map Sheet: 092I/036, 046
UTM East: 635500
UTM North: 5579300
UTM Zone 10N

for

HAPPY CREEK MINERALS LTD.
#2310-1066 West Hastings Street
Vancouver, B.C.
V6E 3X2

by

Paul Reynolds, B. Sc., P. Geo.

2009 January 21

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1. SUMMARY

The West Valley property consists of 49 contiguous mineral claims comprising 9,175.8 hectares. The claims are located approximately 40 kilometres northwest of Merritt, B.C., and 10 kilometres south of the Valley Copper Mine. The claims are accessible by good gravel roads from Upper Nicola.

The West Valley property is underlain by granodiorite, quartz diorite, quartz monzonite, and crowded quartz feldspar porphyry dykes. These lithologies are tentatively assigned to the Bethsaida, Skeena, Chataway and Border phases of the Upper Triassic - Lower Jurassic Guichon Creek batholith, a multi-phase calc-alkaline intrusion which hosts the Valley Copper and Lornex deposits to the north (Figure 3).

Exploration in the area, dating from the 1950's to present, has covered prospecting, soil sampling, regional geochemical surveys, geological mapping, trenching, geophysical surveys, and limited diamond drilling.

During the period 2008 October 14 to October 25 a six man crew completed a stream sediment and rock sampling program over a portion of the property. Several rock samples returned highly anomalous to potentially economic grades of copper. Further exploration work is warranted.

2. INTRODUCTION AND TERMS OF REFERENCE

This report has been prepared in order to satisfy assessment requirements. It discusses the 2008 gochemical program.

The information for the accompanying report was obtained from sources cited under references and from field work conducted under the supervision of the author during the 2008 work program.

The registered owner of the West Valley property is Happy Creek Minerals Ltd.

3. PROPERTY DESCRIPTION AND LOCATION

The West Valley property is located approximately 40 kilometres northwest of Merritt, B.C., and 10 kilometres south-southwest of the Valley Copper Mine, Highland Valley. The claims are centered at 635500 east and 5579300 north, UTM zone 10N on NTS map sheet 092I/036 and 092I/046. The West Valley property comprises 49 contiguous mineral claims (Figure 1) and covers an area of 9,175.8 hectares. The claims are in the Kamloops Mining Division. Complete claim information is listed in Table 1. All claims are recorded in the name of Happy Creek Minerals Ltd. The claims have not been legally surveyed.

Table 1: List of Claims

Tenure Number	Claim Name	Area (ha)	Expiry Date
532667	COPPER 10	82.487	2010/Jun/30
566312	COPPER 8	535.955	2010/Jun/30
568146	NEW COPPER 1	473.743	2010/Jun/30
568147	NEW COPPER 3	494.345	2010/Jun/30
568148	NEW COPPER 3	721.18	2010/Jun/30
568149	NEW COPPER 4	1,030.45	2010/Jun/30
544901	COPPER B	20.594	2010/Jun/30
544902	COPPER C	20.594	2010/Jun/30
544903	COPPER D	20.594	2010/Jun/30
544905	COPPER F	20.607	2010/Jun/30
570358	NEW COPPER 5	20.625	2010/Jun/30
570359	NEW COPPER 6	20.625	2010/Jun/30
570360	NEW COPPER 7	61.804	2010/Jun/30
582066	HIGHLAND VALLEY	433.243	2010/Jun/30
587379	COPPER 11	20.625	2010/Jun/30
587380	COPPER 12	206.24	2010/Jun/30
589580	COPPER IB	412.756	2010/Jun/30
589581	COPPER IA	392.042	2010/Jun/30
589723	COPPER GA	495.183	2010/Jun/30
589725	COPPER GB	268.169	2010/Jun/30
589726	COPPER GC	41.251	2010/Jun/30
589728	COPPER GD	20.625	2010/Jun/30
589892		20.638	2010/Jun/30
589893		247.605	2010/Jun/30
589896		20.633	2010/Jun/30
589897	COPPER H B	330.25	2010/Jun/30
589898		20.636	2010/Jun/30
589900	COPPER H C	144.471	2010/Jun/30
589901		20.634	2010/Jun/30
589902		20.64	2010/Jun/30
590283	COPPER GC	20.625	2010/Jun/30
590284	COPPER GD	41.251	2010/Jun/30
590285	COPPER GE	41.266	2010/Jun/30
590286	COPPER HC	41.276	2010/Jun/30
590287	COPPER HD	20.642	2010/Jun/30
590949	COPPER 7A	453.575	2010/Jun/30
590952	COPPER 7B	515.601	2010/Jun/30
590953	COPPER 7C	20.614	2010/Jun/30
587382		41.244	2010/Jun/30
587383		20.621	2010/Jun/30
587384		61.873	2010/Jun/30
587385		61.872	2010/Jun/30
587386		20.623	2010/Jun/30
587387		41.242	2010/Jun/30
587388		82.508	2010/Jun/30
587389		20.625	2010/Jun/30
587390		20.627	2010/Jun/30
593792	WV SW 1	494.825	2009/Nov/03
593793	WV SW 2	515.6276	2009/Nov 03

4. ACCESSIBILITY CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Access to the property from Merritt, B.C., is via highway 8 to Lower Nicola, then north along Aberdeen Road to Pimainus Lake Forest Service road. This all-weather logging road and recently built secondary logging roads transect the property near kilometre 34. With relative proximity to the Valley Copper Mine and operating mill, infrastructure in the surrounding area is excellent.

Situated within an upland plateau area of approximately 1,400 to 1,600 metres elevation, the West Valley property is underlain by a thick blanket of glacio-fluvial sand and gravel. Small lakes, swamps and seasonal creeks occur throughout the property. Forested areas locally contain fir, birch, poplar and spruce, however, lodgepole pine is predominant and pine beetle infestation encourages ongoing logging activity. Characterized by a dry interior climate, the area has burnt and re-grown several times. Temperatures range from –30 to +40 degrees centigrade, and 50-100 cm annual precipitation occurs primarily as snow during the winter. Water, in suitable quantities for all stages of exploration, is available year round from nearby creeks and lakes.

Well trained professional and field personnel as well as heavy equipment are available in Kamloops and Merritt. Most supplies needed for exploration are available at Kamloops.

5. HISTORY

From 1956 through 1985 the area covered by the West Valley property has been explored intermittently by several operators. The work conducted has generally been reconnaissance in nature and consisted in a large part of soil geochemical surveys, magnetic surveys, induced polarization (IP) surveys and VLF-EM surveys. In addition minor trenching and diamond drilling was conducted at the known showings. Much of this work is poorly documented and the locations of the work programs are somewhat ambiguous.

Table 2: Previous Exploration Work

Year	Exploration Work
1956	McPhar Geopyysics conducted soil geochemistry on behalf of Udd Ramsay Syndicate. 489 soil samples collected. Ref: AR 158.
1956	McPhar Geophysics conducted a magnetic survey on behalf of the Udd Ramsay Syndicate. Rf: AR163.
1957	Phelps Dodge Corporation conducted a 6.59 line mile magnetic survey. Ref: AR 191.
1958	Geological mapping, stream sediment sampling, soil sampling, magnetic and dip needle surveys conducted for Northwestern Exploration Ltd. Ref: AR 231.
1964 - 1966	Buldozer trenching, diamond drilling (4 holes), soil sampling and IP conducted in the vicinity of the Fir occurrence. Ref: AR 786.
1966	Magnetic and soil sample surveys conducted by T. C. Explorations Ltd., in the area of the Pim occurrence. Ref: AR853.
1969	A 24.8 line mile IP survey was conducted for Highland Chief Mines Ltd. Ref: AR 2308.
1970	T. C. Explorations Ltd., conducted 9.5 line miles of VLF-EM, test seismic survey and geological mapping just to the north of the existing property. Ref: AR2793.
1970	Teck Corp., conducted soil surveys over the northern portion of the existing property. Ref: AR 3053.
1970	A VLF-EM survey was conducted for Highland Chief Mines. Ref: AR3322.
1973	Magnetic and geochemical surveys were conducted for Highland Chief Mines. Ref: AR 4584.
1977	VLF-EM and soil sample surveys were conducted by David Mark. Ref: AR 6327.
1977	An IP survey was conducted for Allstar Resources Ltd. Ref: AR 6352.
1978	Prospecting was done in the vicinity of the existing property. Ref: AR 6851.
1981	Diamond drilling (6 holes) was done by Canadian Overseas Mining Corp. This work appears to have been done in the vicinity of the Jay 2 occurrence. DDH 4 intersected 0.9 metres grading 1.87% Cu and 0.9 metres grading 1.29% Cu. DDH 5 intersected 1.07 metres grading 0.56% Cu. Ref: AR 9813.
1985	Norsemont Mining Corp., conducted an airborne VLF-EM and magnetic survey over the eastern third of the existing claim group. Ref: AR 14231.

6. GEOLOGICAL SETTING

Regional Geology (Figure 3)

The West Valley property is underlain by the Upper Triassic - Lower Jurassic Guichon Creek batholith (198 +/- 8 my; McMillan, CIM Special Volume 15, 1976). This multi-phase calc-alkaline intrusion extends over an area of approximately 1,000 square kilometres and is elongated in a north-northwesterly direction. The nearly concentric phases have contacts ranging from gradational to locally sharp or partially brecciated, and are progressively younger and more felsic toward the central core of the batholiths (Figure 3). Textural and compositional criteria have been used to characterize the various intrusive phases after Northcote, 1969 (McMillan, 1976).

The oldest phase of the Guichon Creek batholith is the Border or Hybrid phase, a fine- to medium-grained, mafic-rich diorite to quartz diorite, which locally contains xenoliths of amphibolite and monzonite.

The Highland Valley phase consists of Guichon and Chataway varieties. The Guichon variety is a quartz diorite to granodiorite, typically containing 15% mafic minerals of uneven distribution. The Chataway variety is a hornblende granodiorite normally containing 12% evenly distributed mafic minerals.

The Bethlehem phase, a fine- to medium-grained granodiorite with approximately 8% mafic minerals, is characterized by amoeboid quartz crystals and several percent poikilitic hornblende crystals. The Skeena variety of granodiorite is texturally similar to the Bethlehem phase, but is distinguished by its coarser grain size, slightly lower mafic content, and subhedral to anhedral quartz.

The youngest intrusive phase of the Guichon Creek batholith is the Bethsaida, having a biotite +/- hornblende quartz monzonite to granodiorite composition, and containing approximately 6% mafic minerals, predominantly coarse-grained euhedral biotite books. The core of the Guichon Creek batholith is within a regional magnetic low.

A porphyry dyke swarm extending northward from Highland Valley cuts Bethlehem granodiorite, and to the south, dykes and small plugs of porphyry cut the Skeena variety. Some of these porphyries appear to be offshoots or derivatives of the Bethsaida phase (McMillan, 1976).

Alkaline and felsic volcanic dykes, flows and tuffs of Eocene-Miocene age cut the Guichon Creek batholith rocks. During the last glaciation, portions of the Tertiary and older rocks were eroded, and between one and upwards of 30 metres thickness of till, glaciofluvial and lacustrine cover was deposited toward a 165° azimuth.

North of Highland Valley, the large copper +/- molybdenum deposits are generally associated with the dyke swarm or occur within the contact zone of Bethsaida phase and related dykes. South of Highland Valley, however, deposits appear to post-date the Bethsaida phase rocks.

Dominant ore-controlling fracture sets at the Valley and Lornex deposits trend north-northwest to northeast and locally east-southeast. The north trending Lornex Fault cuts the length of the Guichon Creek batholith with a moderate to steep west dip and has a dextral sense slip. This fault apparently truncates the Lornex and Valley Copper deposits on the west and east respectively. Sulphide mineralization is strongly associated with veins, fractures, faults and/or breccias.

In the Highland Valley deposits, potassic alteration is variably developed and hydrothermal biotite or k-feldspar may be fracture-controlled, flooded and veined. Phyllic alteration is typified by quartz and flakey sericite occurring in fracture-associated zones or as vein envelopes (McMillan, 1976). In argillic zones, which often extend extensively beyond the mineralized zones, feldspars and locally mafic minerals are altered to sericite and kaolinite +/- montmorillonite. Sericite, carbonate and clay alteration of feldspars, as well as chlorite-carbonate alteration of mafic minerals is characteristic of propylitic alteration. Calcite and zeolites occur primarily as late-stage veins and fracture coatings.

Sulphide zoning is common in the Highland Valley deposits with bornite as the predominant sulphide, followed by chalcopyrite, and then outward to pyrite. Main hypogene copper sulphides include chalcopyrite, bornite and minor digenite. Topographically above hypogene mineralization, supergene enriched zones may contain limonite, malachite, chalcocite, native copper and occasionally tenorite. Pyrite occurs in a propylitic fringe to potassic alteration zone generally in concentrations less than one percent. Distribution and concentration of molybdenite is highly variable throughout the Highland Valley deposits, with economically significant occurrences having similar distribution as that of the copper.

7. 2008 EXPLORATION

During the period 2008 October 14 to October 25 a six man crew completed a stream sediment and rock sampling program over a portion of the property. In addition, historical mineral showings were re-located and sampled. A fair bit of time was spent trying to re-locate old showings. Prior to the field work commencing, proposed sediment sample sites were plotted on a 1:20,000 scale Trim map. Over 100 sample sites were proposed however upon arriving in the field it soon became evident that the majority of the streams shown on the Trim map were in fact dry gulleys. The field crew sampled all active stream beds with a suitable sample media. A total of 35 stream sediments were collected. Stream sediment sample locations are plotted on Figure 4. Results from the stream sediment sampling program showed a high background for copper with values ranging from 38.5 ppm to 497.1 ppm with a mean value of 200.7 ppm and a median value of 164.5 ppm.

In general gold values were depressed. Only one sample, sample 334, returned above background gold. This sample returned 980.0 ppb gold which is suspect. The sample was sent for re-analysis but there was insufficient sample size to re-analyse the sample.

A total of 19 rock samples were collected during the field program. Copper values ranged from 19.8 ppm to 37,500 ppm (3.75%) with a mean value of 4,434.9 and a median value of 216.3 ppm. Table 3 lists the rock samples with anomalous copper values. A complete list of rock and sediment samples is included in Appendix II. All rock samples are grab samples unless noted otherwise. Rock sample locations are plotted on Figure 4.

Table 3: Rock Samples with Anomalous Copper Values

Sample	Cu (ppm)	Description
12408*	12,080	Fir showing, alt granodiorite o/c cut by andesitic dykes, mal, cpy, cc, minor qtz.
12409	7,003.6	Fir showing, altered GD outcrop 20m x 30m cut by andesite and syenite dykes. Composite sample 10m x 2m across trending 230°. Visible malachite.
12410	6,788.2	Fir showing, 3 exposed qtz vein of 10m at 205°/90° with malachite.
12411	7,507.7	Fir showing, alt granodiorite outcrop cut by porphyritic dykes with mal, cpy.
12412	4,879.5	Fir showing, alt granodiorite with mal, cpy, cc. Occurs in small 6 zone 170°/90° near contact with small andesite porphyry o/c.
12414	3,022.7	Fir 6 grab sample
322623	4,020.2	West Valley LL prospect, B Hbl Qd with bo/mal/spec, sample taken over 6m.
322624*	3,7500	West Valley LL prospect, B Hbl Qd with bo/mal, sample taken over 0.5m.

* Note: Samples 12408 and 322624 were re-analysed and have been converted to ppm from % with the formula 1% = 10,000ppm.

8. CONCLUSION

The 2008 rock geochemical sampling program returned highly anomalous to potentially economic copper grades from several grab samples taken from historical prospects. These areas will need to be followed up with geological mapping and further rock sampling. Ground magnetic may be useful to help determine lithological contacts and possibly alteration zones.

Stream sediment sampling showed a high background level for copper. Lack of suitable sample media precluded the collection of stream sediments in a density great enough to discern prospective areas of the property.

9. REFERENCES

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10. CERTIFICATE

PAUL REYNOLDS, P. GEO.
4035 West 31st Avenue, Vancouver, BC, V6S 1Y7
Ph: 604-683-8909 Fax: 604-683-8923 E-mail: reynolds@athlone.com

CERTIFICATE OF AUTHOR

I, Paul Reynolds, of Vancouver, British Columbia, do hereby certify that:

1. I am a geologist residing at 4035 West 31st Avenue, Vancouver, BC, V6S 1Y7.
2. I graduated from the University of British Columbia with a Bachelor of Science degree in geology in 1987 and I have practiced my profession continuously since 1987.
3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (member no. 19603).
4. I am presently a consulting geologist and have been so since 1991.
5. The field work described in this report was conducted under my supervision.
6. I am the author of this report.
7. I am a shareholder of Happy Creek Minerals Ltd.

Dated at Vancouver, British Columbia, this 21st day of January, 2009.

"Paul Reynolds" (Signed & Sealed)

_____

Paul Reynolds, P. Geo.

APPENDIX I

STATEMENT OF COSTS

STATEMENT OF COSTS (2008 October 14 – 2008 October 25)

	Days	Rate	Subtotal	Total
Personnel				
Paul Reynolds, P. Geo.	1	$ 650	$ 650	
Dugald Dunlop, B. Sc.	4	$ 600	$ 2,400	
Sean Bohle (Senior Field Tech)	10	$ 425	$ 4,250	
Mark Roden (Senior Field Tech)	10	$ 425	$ 4,250	
David Ridley (Prospector)	5	$ 400	$ 2,000	
T Ridley (Field Tech)	5	$ 160	$ 800	
Darren Black (Prospector)	5	$ 325	$ 1,625	
				$ 15,975.00
Rentals				
4WD Truck (Dugald)	4	$ 111	$ 443	
4WD Truck (Sean)	10	$ 57	$ 572	
4WD Truck (Blann)	2	$ 100	$ 572	
4WD Truck (Black)	4	$ 100	$ 572	
4WD Truck (Ridley)	3	$ 100	$ 572	
ATV	10	$ 100	$ 1,000	
Pentium Notebooks and printer	4	$ 30	$ 120	
GPS (Trimble Pro XH)	13	$ 100	$ 1,300	
Field Equipment	24	$ 12.5	$ 600	
				$ 5,750.75
Analyses				
Rock	19	$ 24	$ 453	
Soil/Silt	35	$ 16	$ 570	
				$ 1,022.36
Expenses				
Room & Board	39	$ 105	$ 4,103	
Communication			$ 225	
Fuel			$ 663	
Field Supplies (Consumables)			$ 574	
Analytical Costs			$ 1,042	
Maps, Printing and Reproduction			$ 1,050	
				$ 7,657.17
Mapping & Reporting				
GIS/CAD (hourly)	7	$ 60	$ 420	
Project Supervision			$ 2,159	
Reporting (Paul Reynolds, P. Geo.)	2	$ 650	$ 1,300	
				$ 3,879.22
TOTAL				**$ 34,284.50**

APPENDIX II

SILT AND ROCK GEOCHEMICAL DESCRIPTIONS AND ASSAY CERTIFICATES

West Valley Silt Samples

Sample	East	North	Ag	Au	Cu	Mo	Pb	Batch	Lab_ID	Description
301	634279	5584066	0.2	1	160.1	1.6	6.2	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Silty/Sand W.Col:Clear Flow:Stagnant PH:6.7 S.Type:Sed
302	637038	5584669	0.2	1.7	134.9	1.7	6.3	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Sandy/Gravel W.Col:Clear Flow:Minimal PH:7.9 S.Type:Sed 1.5-2m creek width
303	637735	5577878	0.3	3.9	379	4.9	4.5	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Clay/Sand W.Col:Clear Flow:Minimal PH:7.8 S.Type:Sed 0.85m creek organics, clay & GD
304	635071	5580326	0.4	1.4	289.3	6.9	5.9	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Silty/Sand W.Col:Clear Flow:Minimal PH:7.4 S.Type:Sed 1m creek GD
305	631503	5581500	0.1	0.25	105.4	6.3	4.1	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Sand W.Col:Clear Flow:Moderate PH:7.6 S.Type:Sed 1.75m creek Boulders & sandy gravel GD

Sample	East	North	Ag	Au	Cu	Mo	Pb	Batch	Lab_ID	Description
306	632662	5584667	0.05	0.6	116.6	0.7	5.4	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Sandy/gravel W.Col:NA Flow:None PH:NA S.Type:Sed Seasonal creek sandy gravel GD
307	634695	5584877	0.3	0.25	247.8	1.3	4.5	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Sandy/gravel W.Col:Clear Flow:Minimal PH:8.1 S.Type:Sed 1.5-2m creek, gravel GD
308	636071	5581609	0.1	2	174.6	21.5	4.4	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Gravel W.Col:Clear Flow:Minimal PH:7.7 S.Type:Sed 0.75-1m creek, gravel GD & organics
309	638344	5578747	0.2	2.9	332.7	1.2	5.5	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Gravel W.Col:Clear Flow:Minimal PH:8.0 S.Type:Sed 1.5m creek, coarse GD
310	639989	5576099	0.05	0.25	38.5	1.1	1.6	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Sandy/Gravel W.Col:Clear Flow:Moderate PH:8.1 S.Type:Sed 3-4m creek, coarse GD very little fines
311	631502	5574262	0.05	1.5	59.3	1	2.8	VAN08010981C2	Acme Analytical	Col:Brown S.Type:Sandy/Gravel W.Col:Clear Flow:Moderate PH:8.4 S.Type:Sed 5m Skuhun creek, coarse GD

Sample	East	North	Ag	Au	Cu	Mo	Pb	Batch	Lab_ID	Description
312	639469	5578421	0.05	4.2	125.3	8.2	4.4	VAN08010981C2	Acme Analytical	2m width; 15cm depth;lt br-white mod flow; gentle slope; corse gravel and sand
313	639564	5578433	0.1	0.25	260.5	4.7	6	VAN08010981C2	Acme Analytical	3-4m wide; 25cm depth;lt brown fine sediment; few small stones; mod flow and slope
314	639580	5577529	0.05	0.25	95.4	12.1	5.2	VAN08010981C2	Acme Analytical	2-3m width;25cm depth; lt br fine sediment, sandy; mod flow and slope
315	639689	5576920	0.05	2	162.4	7.4	4.4	VAN08010981C2	Acme Analytical	3-4m width;30 cm depth; lt br fine sandy sediment; mod flow; gentle slope
316	637292	5581940	0.2	0.25	190.1	2.4	6.8	VAN08010981C2	Acme Analytical	1m width; dry; grey-br fine sediment; intermittement stream; taken below road culvert
317	636814	5581887	0.3	1.2	256.4	1.1	4.7	VAN08010981C2	Acme Analytical	1 m width; 5cm depth; lt br fine sandy sediment; barely flowing; gentle slope

Sample	East	North	Ag	Au	Cu	Mo	Pb	Batch	Lab_ID	Description
318	636309	5582152	0.5	1.6	497.1	1.3	4.9	VAN08010981C2	Acme Analytical	0.5 m width; 5cm depth; drk br fine sediment, some organics; mod slope; trickle flow
319	635626	5581692	0.4	0.5	142.9	3.6	5.1	VAN08010981C2	Acme Analytical	0.5m width; 10cm depth; drk br fine sediment; gentle slope; very little flow
320	636432	5578345	0.2	0.25	275.9	0.6	4.8	VAN08010981C2	Acme Analytical	1m width; 10cm depth; lt br fine sediment; gentle slope; little flow
321	636621	5580586	0.3	0.5	177.4	5.1	5	VAN08010981C2	Acme Analytical	0.5m width; 5cm depth; drk br fine sediment and sand; gentle slope and flow
322	641525	5576542	0.05	0.25	153.2	5.2	3.5	VAN08010981C2	Acme Analytical	3-4m width; 20cm depth; lt br fine sediment; mod flow; gentle slope
323	641438	5576542	0.05	1.3	151.5	0.7	3.3	VAN08010981C2	Acme Analytical	0.5m width; 5 cm depth; lt grey-br fine sediment; mod slope; slow flow

Sample	East	North	Ag	Au	Cu	Mo	Pb	Batch	Lab_ID	Description
324	640969	5576372	0.05	0.25	229.5	5.7	3.5	VAN08010981C2	Acme Analytical	4m width; 15cm depth; br-grey fine gravel and silt; mod slope and flow
325	640147	5575914	0.05	0.8	189.4	5.6	3.3	VAN08010981C2	Acme Analytical	4m width; 15cm depth; br-grey fine gravel and silt; mod slope and flow
326	639969	5575988	0.05	1.8	135.3	3.9	2.9	VAN08010981C2	Acme Analytical	3-4m width; 10cm depth; lt brn fine gravel and silt; gentle slope; mod flow
327	638480	5574252	0.05	2	163.3	4.1	2.4	VAN08010981C2	Acme Analytical	4m width; 20cm depth; br-grey fine gravel and silt; mod slope and fast flow
328	638107	5574003	0.1	0.25	204.1	4.2	2.6	VAN08010981C2	Acme Analytical	4m width; 20cm depth; br-grey fine gravel and silt; gentle slope and fast flow
329	638464	5579837	0.2	2.1	275.7	4	5.4	VAN08010981C2	Acme Analytical	0.6m width; not flowing

Sample	East	North	Ag	Au	Cu	Mo	Pb	Batch	Lab_ID	Description
330	638398	5579773	0.1	1.2	161.3	6.4	5	VAN08010981C2	Acme Analytical	1.5m width; flowing
331	639064	5578871	0.1	1.2	156.2	5	4	VAN08010981C2	Acme Analytical	1.5m wide; flowing
332	639099	5578716	0.05	0.9	164.5	2.1	4	VAN08010981C2	Acme Analytical	0.5m wide; not flowing; malachite float 25m upstream
333	636775	5582534	0.5	2.9	313.7	1.7	7.1	VAN08010981C2	Acme Analytical	0.25cm wide; bare trickle flow; gentle valley bottom; till; drk br mud and fine gravel
334	639748	5575505	0.1	980.9	157.3	2.8	4.1	VAN08010981C2	Acme Analytical	2.5m wide; 20cm deep; ltbr/gr sand and fine gravel; good flow; main creek at road crossing
335	638040	5577545	0.3	2.4	348.3	1.2	11	VAN08010981C2	Acme Analytical	

West Valley Rock Samples

Sample	East	North	Au (ppb)	Ag (ppm)	Cu (ppm)	Mo (ppm)	Lab_ID	Batch	Description
12301	634403	5584618	1.6	0.05	186.7	0.3	Acme Analytical	VAN08010980C1	Representative grab sample of alt diorite
12401	637970	5577575	0.25	0.05	216.3	0.3	Acme Analytical	VAN08010980C1	MR grab sample
12402	634954	5582601	1.2	0.05	91.2	0.8	Acme Analytical	VAN08010980C1	hem/alt Granodiorite float from roadside
12403	631490	5574279	0.9	0.05	19.8	0.9	Acme Analytical	VAN08010980C1	10-15m outcrop in creek bottom, poss andesite, f.g. with calcite and chlorite
12404	637828	5575889	0.25	0.05	99	0.3	Acme Analytical	VAN08010980C1	15-20m outcrop altered granodiorite with qtz veins +/- 5mm, malachite and poss chalocite.
12405	637886	5575693	0.25	0.1	211.6	1.9	Acme Analytical	VAN08010980C1	15-20m outcrop Kspar alt granodiorite with qtz veins +/- 5mm, mal & poss cc.
12406	637992	5575637	0.25	0.05	53.4	0.7	Acme Analytical	VAN08010980C1	Slightly altered andesite dyke. Possible historic DDH +/- 20m from sample.

Sample	East	North	Au (ppb)	Ag (ppm)	Cu (ppm)	Mo (ppm)	Lab_ID	Batch	Description
12407	634720	5575302	2.2	0.1	21.1	2.7	Acme Analytical	VAN08010980C1	Andesitic outcrop cut by clay altered dyke. 40cm width, 100ø/90ø
12408	636574	5575128	15.6	1	12080	10	Acme Analytical	VAN08010980C1	Fir showing, alt granodiorite o/c cut by andesitic dykes, mal, cpy, cc, minor qtz.
12409	636567	5575116	4.9	0.3	7003.6	2.2	Acme Analytical	VAN08010980C1	Fir showing, altered GD outcrop 20m x 30m cut by andesite and syenite dykes. Composite sample 10m x 2m across trending 230ø. Visible malachite.
12410	636571	5575067	22.2	1	6788.2	13.4	Acme Analytical	VAN08010980C1	Fir showing, 3 exposed qtz vein of 10m at 205ø/90ø with malachite.
12411	636188	5575653	3.2	0.3	7507.7	4.7	Acme Analytical	VAN08010980C1	Fir showing, alt granodiorite outcrop cut by porphyritic dykes with mal, cpy.
12412	636271	5575309	5.4	1.4	4879.5	5.4	Acme Analytical	VAN08010980C1	Fir showing, alt granodiorite with mal, cpy, cc. Occurs in small 6 zone 170ø/90ø near contact with small andesite porphyry o/c.
12413	635538	5575886	0.25	0.05	88	1.3	Acme Analytical	VAN08010980C1	Fir showing, clay altered zone 15m. Alt granodiorite, no vis suphides, composite sample over 15m.
12414	636599	5575107	4	0.4	3022.7	10.3	Acme Analytical	VAN08010980C1	Fir 6 grab sample

Sample	East	North	Au (ppb)	Ag (ppm)	Cu (ppm)	Mo (ppm)	Lab_ID	Batch	Description
322623	638238	5577329	9.4	2.6	4020.2	1.2	Acme Analytical	VAN08010980C1	West Valley LL prospect, B Hbl Qd with bo/mal/spec, sample taken over 6m
322624	638236	5577329	87.2	28	37500	10	Acme Analytical	VAN08010980C1	West Valley LL prospect, B Hbl Qd with bo/mal, sample taken over 0.5m
708654	636906	5581996	0.9	0.3	452.6	0.4	Acme Analytical	VAN08010980C1	Grab from old core at Frank showing? Biotite quartz diorite with minor Kspar-epidote-sericite alteration; no visible sulphides
708701	634776	5581063	6.4	0.05	22.1	0.3	Acme Analytical	VAN08010980C1	Ang float; probable subcrop in ditch at new road cut; qtz-Kspar-epidote-chlorite vein material; minor black metallic (hematite?)

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Client: **Reynolds, Paul**
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Submitted By: Paul Reynolds
Receiving Lab: Canada-Vancouver
Received: November 14, 2008
Report Date: January 15, 2009
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN08010981.2

CLIENT JOB INFORMATION

Project: Rateria
Shipment ID:
P.O. Number
Number of Samples: 35

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
S230	35	Sieve soil to 230 mesh		
RJSV	35	Saving all or part of Soil Reject		
1DX	35	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
G6	0	Fire Assay fusion Au by ICP-ES	30	Completed

ADDITIONAL COMMENTS

Version 2 : G6-Au included.

Invoice To: Reynolds, Paul
4035 W. 31st Ave
Vancouver BC V6S 1Y7
Canada

CC: David Blann

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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4035 W. 31st Ave
Vancouver BC V6S 1Y7 Canada

Project: Rateria
Report Date: January 15, 2009

CERTIFICATE OF ANALYSIS VAN08010981.2

Method		WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
0301	Sediment	9.32	1.6	160.1	6.2	31	0.2	15.3	6.9	409	2.12	1.7	1.7	1.0	0.6	58	0.2	<0.1	0.1	60	0.81
0302	Sediment	6.66	1.7	134.9	6.3	51	0.2	18.0	6.5	683	2.79	2.2	8.7	1.7	1.1	110	0.1	0.1	0.1	51	1.06
0303	Sediment	4.76	4.9	379.0	4.5	55	0.3	23.9	11.0	1770	3.19	3.2	6.3	3.9	2.0	118	0.2	<0.1	<0.1	66	1.23
0304	Sediment	6.05	6.9	289.3	5.9	38	0.4	26.2	23.1	1152	5.85	7.4	5.4	1.4	2.2	87	0.4	<0.1	0.2	188	1.10
0305	Sediment	8.29	6.3	105.4	4.1	43	0.1	26.7	22.2	1628	7.04	5.4	6.6	<0.5	1.9	77	0.1	0.1	0.1	143	1.21
0306	Sediment	7.69	0.7	116.6	5.4	35	<0.1	15.7	8.5	307	3.04	2.6	2.8	0.6	1.9	56	<0.1	<0.1	<0.1	89	0.73
0307	Sediment	8.32	1.3	247.8	4.5	31	0.3	18.2	9.0	755	2.95	2.2	1.8	<0.5	0.8	65	0.1	<0.1	0.1	69	0.78
0308	Sediment	8.77	21.5	174.6	4.4	77	0.1	15.0	17.7	2936	10.78	10.5	8.2	2.0	1.5	86	0.3	<0.1	0.1	126	0.97
0309	Sediment	6.98	1.2	332.7	5.5	28	0.2	17.5	7.1	644	2.42	1.8	5.2	2.9	0.7	95	0.1	0.1	0.2	52	1.39
0310	Sediment	10.29	1.1	38.5	1.6	19	<0.1	8.8	5.5	262	4.68	1.6	0.7	<0.5	1.2	29	<0.1	0.1	<0.1	150	0.45
0311	Sediment	8.28	1.0	59.3	2.8	39	<0.1	18.3	10.3	432	5.56	2.3	1.0	1.5	2.4	73	<0.1	0.1	<0.1	183	1.07
0312	Sediment	0.60	8.2	125.3	4.4	42	<0.1	61.1	8.7	484	2.93	2.3	2.4	4.2	1.1	99	0.3	0.3	<0.1	87	1.34
0313	Sediment	0.70	4.7	260.5	6.0	45	0.1	23.2	6.0	811	2.53	2.4	2.1	<0.5	0.8	104	0.3	0.6	0.2	56	1.19
0314	Sediment	0.62	12.1	95.4	5.2	50	<0.1	81.2	6.6	587	2.14	1.8	1.3	<0.5	1.8	70	0.1	0.3	<0.1	48	0.74
0315	Sediment	0.64	7.4	162.4	4.4	44	<0.1	45.5	6.8	605	2.54	2.4	1.6	2.0	1.0	91	0.1	0.5	0.2	64	1.01
0316	Sediment	0.68	2.4	190.1	6.8	159	0.2	23.8	9.6	1385	3.46	3.0	3.3	<0.5	1.6	158	0.2	0.2	0.2	62	1.08
0317	Sediment	0.74	1.1	256.4	4.7	34	0.3	13.3	7.1	511	2.77	3.0	18.4	1.2	1.0	111	0.1	0.1	0.1	57	1.47
0318	Sediment	0.52	1.3	497.1	4.9	33	0.5	15.1	5.8	616	1.61	1.8	46.3	1.6	0.3	132	0.2	0.3	<0.1	52	2.14
0319	Sediment	0.32	3.6	142.9	5.1	43	0.4	9.1	8.6	826	3.01	3.3	5.4	0.5	0.3	110	0.2	0.2	0.1	92	1.23
0320	Sediment	0.66	0.6	275.9	4.8	29	0.2	20.7	7.5	446	2.63	1.8	4.3	<0.5	1.2	121	0.1	<0.1	<0.1	53	1.49
0321	Sediment	0.59	5.1	177.4	5.0	35	0.3	18.3	9.2	1583	3.24	2.6	12.8	0.5	0.7	111	0.2	<0.1	0.1	81	1.33
0322	Sediment	0.83	5.2	153.2	3.5	36	<0.1	31.0	6.9	827	2.33	2.4	2.9	<0.5	1.2	78	0.2	0.4	<0.1	58	1.08
0323	Sediment	0.72	0.7	151.5	3.3	32	<0.1	10.3	5.5	506	2.01	1.3	0.8	1.3	1.4	60	<0.1	0.1	<0.1	56	0.75
0324	Sediment	0.88	5.7	229.5	3.5	42	<0.1	28.8	7.7	1290	2.70	3.4	2.5	<0.5	0.7	109	<0.1	0.5	<0.1	62	1.57
0325	Sediment	0.81	5.6	189.4	3.3	40	<0.1	31.1	9.3	800	2.67	3.9	2.4	0.8	1.8	84	<0.1	0.5	<0.1	72	1.05
0326	Sediment	0.83	3.9	135.3	2.9	36	<0.1	20.8	6.1	588	2.41	2.1	1.7	1.8	0.8	89	<0.1	0.3	<0.1	59	1.01
0327	Sediment	0.84	4.1	163.3	2.4	35	<0.1	22.5	6.5	741	2.23	2.2	3.5	2.0	1.1	100	<0.1	0.4	<0.1	57	1.42
0328	Sediment	0.76	4.2	204.1	2.6	31	0.1	21.6	5.4	985	1.82	2.2	5.2	<0.5	0.3	130	<0.1	0.3	<0.1	48	1.63
0329	Sediment	0.86	4.0	275.7	5.4	31	0.2	31.8	7.9	516	2.25	1.7	9.0	2.1	0.7	166	0.1	0.5	0.1	54	1.86
0330	Sediment	0.97	6.4	161.3	5.0	41	0.1	47.5	8.4	713	2.51	1.9	4.9	1.2	0.8	109	0.1	0.3	0.1	64	1.36

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Project: Rateria
Report Date: January 15, 2009

CERTIFICATE OF ANALYSIS VAN08010981.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm/mt
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01
0301	Sediment	0.069	13	25	0.33	242	0.032	<20	1.85	0.014	0.06	<0.1	0.05	3.0	<0.1	<0.05	5	0.7	N.A.
0302	Sediment	0.067	16	28	0.34	873	0.033	<20	2.93	0.017	0.10	<0.1	0.05	3.4	<0.1	<0.05	7	0.6	N.A.
0303	Sediment	0.069	18	25	0.55	417	0.051	<20	2.89	0.024	0.15	<0.1	0.03	4.7	<0.1	<0.05	8	1.1	N.A.
0304	Sediment	0.103	25	33	0.49	544	0.087	<20	3.04	0.020	0.09	<0.1	0.08	5.9	0.1	0.06	8	0.6	N.A.
0305	Sediment	0.112	12	31	0.77	227	0.103	<20	2.20	0.026	0.07	<0.1	0.05	5.7	<0.1	<0.05	7	0.6	N.A.
0306	Sediment	0.090	12	27	0.53	181	0.071	<20	1.96	0.020	0.09	0.2	0.03	4.2	<0.1	<0.05	6	<0.5	N.A.
0307	Sediment	0.061	13	25	0.38	371	0.036	<20	2.07	0.016	0.07	<0.1	0.04	3.3	<0.1	<0.05	6	0.5	N.A.
0308	Sediment	0.128	14	22	0.55	379	0.046	<20	2.15	0.014	0.07	0.1	0.05	3.8	<0.1	0.06	6	0.8	N.A.
0309	Sediment	0.057	18	24	0.34	394	0.028	<20	1.59	0.014	0.08	<0.1	0.06	1.8	<0.1	<0.05	5	1.2	N.A.
0310	Sediment	0.087	6	23	0.20	121	0.024	<20	0.39	0.022	0.05	0.3	0.01	0.7	<0.1	<0.05	3	<0.5	N.A.
0311	Sediment	0.098	7	38	0.60	137	0.062	<20	1.25	0.030	0.07	0.6	0.01	2.0	<0.1	<0.05	5	<0.5	N.A.
0312	Sediment	0.106	10	93	0.52	265	0.041	<20	1.30	0.034	0.09	0.5	0.04	1.6	<0.1	0.08	4	<0.5	N.A.
0313	Sediment	0.096	20	35	0.33	708	0.024	<20	0.90	0.023	0.08	0.3	0.09	1.5	<0.1	0.12	3	1.2	N.A.
0314	Sediment	0.083	9	128	0.39	426	0.029	<20	0.93	0.030	0.08	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	N.A.
0315	Sediment	0.104	12	66	0.39	539	0.026	<20	0.81	0.027	0.08	0.4	0.05	1.4	<0.1	0.06	4	0.7	N.A.
0316	Sediment	0.077	10	30	0.53	720	0.034	<20	2.68	0.022	0.08	<0.1	0.03	3.5	<0.1	<0.05	7	<0.5	N.A.
0317	Sediment	0.085	26	17	0.43	432	0.022	<20	2.33	0.016	0.05	<0.1	0.10	3.4	<0.1	0.08	6	1.2	N.A.
0318	Sediment	0.076	20	20	0.35	162	0.031	<20	2.41	0.020	0.06	0.1	0.09	2.2	<0.1	0.08	6	3.1	N.A.
0319	Sediment	0.113	11	17	0.23	251	0.017	<20	1.66	0.017	0.05	0.1	0.13	1.7	<0.1	0.11	4	0.9	N.A.
0320	Sediment	0.049	18	26	0.45	353	0.051	<20	2.79	0.023	0.10	<0.1	0.04	4.2	<0.1	<0.05	7	0.9	N.A.
0321	Sediment	0.062	12	26	0.39	481	0.036	<20	2.66	0.024	0.07	<0.1	0.06	3.0	<0.1	0.08	7	0.8	N.A.
0322	Sediment	0.092	9	49	0.39	331	0.032	<20	0.86	0.027	0.07	0.3	0.03	1.5	<0.1	0.07	3	<0.5	N.A.
0323	Sediment	0.057	11	14	0.25	248	0.047	<20	0.87	0.013	0.14	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	N.A.
0324	Sediment	0.104	11	48	0.41	487	0.031	<20	0.96	0.027	0.08	0.4	0.04	1.6	<0.1	0.09	3	1.2	N.A.
0325	Sediment	0.100	10	46	0.50	305	0.046	<20	1.08	0.034	0.10	0.3	0.03	2.1	<0.1	<0.05	4	0.6	N.A.
0326	Sediment	0.086	11	31	0.35	457	0.024	<20	0.83	0.018	0.06	1.1	0.03	1.3	<0.1	0.05	3	<0.5	N.A.
0327	Sediment	0.101	10	40	0.37	380	0.024	<20	0.82	0.024	0.06	0.2	0.05	1.3	<0.1	0.10	3	0.8	N.A.
0328	Sediment	0.104	10	40	0.32	410	0.017	<20	0.67	0.019	0.06	0.2	0.08	0.9	<0.1	0.13	2	1.9	N.A.
0329	Sediment	0.073	24	52	0.38	430	0.033	<20	1.62	0.040	0.08	0.2	0.08	2.2	<0.1	<0.05	4	0.6	N.A.
0330	Sediment	0.106	15	76	0.44	358	0.032	<20	1.46	0.029	0.09	0.2	0.07	2.3	<0.1	<0.05	4	0.5	N.A.

ACME ANALYTICAL LABORATORIES LTD.
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Client: **Reynolds, Paul**
4035 W. 31st Ave
Vancouver BC V6S 1Y7 Canada

Project: Rateria
Report Date: January 15, 2009

CERTIFICATE OF ANALYSIS VAN08010981.2

Method		WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
0331	Sediment	0.93	5.0	156.2	4.0	36	0.1	32.1	7.7	417	2.88	1.9	3.6	1.2	0.9	90	0.1	0.4	0.2	89	1.20
0332	Sediment	0.99	2.1	164.5	4.0	36	<0.1	20.1	7.6	573	2.29	1.2	2.3	0.9	1.2	84	0.1	0.3	<0.1	65	1.08
0333	Sediment	0.62	1.7	313.7	7.1	36	0.5	18.7	9.7	1131	2.86	3.2	23.5	2.9	0.8	121	0.2	0.2	0.2	63	1.42
0334	Sediment	0.97	2.8	157.3	4.1	30	0.1	15.9	6.4	392	2.53	1.9	4.5	980.9	1.9	74	<0.1	0.3	0.1	76	0.89
0335	Sediment	0.20	1.2	348.3	11.0	47	0.3	15.9	7.0	330	2.15	1.6	11.2	2.4	1.0	134	0.2	0.2	<0.1	42	1.89

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Project: Rateria
Report Date: January 15, 2009

CERTIFICATE OF ANALYSIS VAN08010981.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G6
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm/mt
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01
0331	Sediment	0.112	12	57	0.42	319	0.030	<20	1.17	0.033	0.08	1.7	0.07	2.0	<0.1	<0.05	4	1.3	N.A.
0332	Sediment	0.075	9	33	0.39	356	0.040	<20	1.26	0.029	0.11	0.2	0.04	2.2	<0.1	<0.05	4	<0.5	N.A.
0333	Sediment	0.078	19	28	0.39	602	0.040	<20	3.02	0.030	0.06	0.1	0.10	4.1	<0.1	<0.05	7	0.5	N.A.
0334	Sediment	0.099	10	28	0.35	271	0.032	<20	0.80	0.017	0.06	0.4	0.04	1.6	<0.1	<0.05	3	<0.5	I.S.
0335	Sediment	0.060	20	20	0.43	356	0.040	<20	2.25	0.030	0.11	<0.1	0.11	3.5	<0.1	0.07	6	0.8	N.A.

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Project: Rateria
Report Date: January 15, 2009

QUALITY CONTROL REPORT VAN08010981.2

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
0334	Sediment	0.97	2.8	157.3	4.1	30	0.1	15.9	6.4	392	2.53	1.9	4.5	980.9	1.9	74	<0.1	0.3	0.1	76	0.89
REP 0334	QC																				
Reference Materials																					
STD DS7	Standard		19.6	103.8	65.6	392	0.8	54.0	8.9	665	2.36	48.0	4.0	56.1	3.6	67	6.0	4.5	4.0	76	0.82
STD DS7	Standard		19.5	96.8	63.5	388	0.7	56.2	8.9	594	2.29	47.2	4.3	55.8	3.5	63	5.7	4.5	4.1	76	0.80
STD DS7	Standard		19.8	115.2	64.1	381	0.8	53.8	9.0	648	2.39	47.2	4.9	51.7	3.7	68	5.9	5.1	4.4	81	0.83
STD DS7	Standard		20.7	104.3	63.5	381	0.7	55.0	9.1	642	2.40	50.3	4.7	53.9	4.1	72	5.7	4.9	4.4	82	0.85
STD OXH55	Standard																				
STD DS7 Expected			20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93
STD OXH55 Expected																					
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.2	3.3	2.4	44	<0.1	5.1	4.6	513	1.81	<0.5	1.2	0.8	2.9	35	<0.1	<0.1	<0.1	35	0.36
G1	Prep Blank	<0.01	0.2	3.3	2.5	41	<0.1	5.1	4.4	498	1.74	<0.5	1.2	0.9	2.8	33	<0.1	<0.1	<0.1	34	0.37

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Project: Rateria
Report Date: January 15, 2009

QUALITY CONTROL REPORT VAN08010981.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G6
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Au
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm/mt
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.01
Pulp Duplicates																			
0334	Sediment	0.099	10	28	0.35	271	0.032	<20	0.80	0.017	0.06	0.4	0.04	1.6	<0.1	<0.05	3	<0.5	I.S.
REP 0334	QC																		I.S.
Reference Materials																			
STD DS7	Standard	0.066	10	176	0.99	442	0.108	39	0.98	0.085	0.53	3.2	0.18	2.1	4.4	0.15	5	3.3	
STD DS7	Standard	0.065	10	170	0.96	437	0.103	30	0.93	0.082	0.49	3.0	0.18	1.9	4.2	0.15	5	3.4	
STD DS7	Standard	0.072	11	190	1.04	436	0.121	35	1.02	0.099	0.51	3.8	0.19	2.7	4.2	0.16	5	3.2	
STD DS7	Standard	0.075	11	193	1.04	417	0.120	37	1.02	0.101	0.52	3.4	0.18	2.6	4.1	0.16	5	3.6	
STD OXH55	Standard																		1.28
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5	
STD OXH55 Expected																			1.282
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	
BLK	Blank																		<0.01
Prep Wash																			
G1	Prep Blank	0.078	5	25	0.54	241	0.105	<20	0.90	0.033	0.52	<0.1	<0.01	1.8	0.4	<0.05	4	<0.5	N.A.
G1	Prep Blank	0.077	4	23	0.54	232	0.106	<20	0.89	0.032	0.55	<0.1	<0.01	1.8	0.4	<0.05	4	<0.5	N.A.

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Submitted By: Paul Reynolds
Receiving Lab: Canada-Vancouver
Received: November 14, 2008
Report Date: January 13, 2009
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN08010980.2

CLIENT JOB INFORMATION

Project: Rateria
Shipment ID:
P.O. Number
Number of Samples: 19

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	19	Crush, split and pulverize rock to 200 mesh		
1DX	19	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
7AR	2	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed

ADDITIONAL COMMENTS

Version 2 : G7AR included.

Invoice To: Reynolds, Paul
4035 W. 31st Ave
Vancouver BC V6S 1Y7
Canada

CC: David Blann

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: Rateria
Report Date: January 13, 2009

CERTIFICATE OF ANALYSIS VAN08010980.2

Method		WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
12401	Rock	2.44	0.3	216.3	1.6	59	<0.1	18.9	16.0	462	2.10	0.7	0.6	<0.5	2.2	66	<0.1	<0.1	<0.1	46	0.99
12402	Rock	4.00	0.8	91.2	2.8	52	<0.1	17.9	20.8	779	3.95	1.9	1.0	1.2	2.4	71	<0.1	0.3	<0.1	102	3.34
12403	Rock	2.92	0.9	19.8	2.8	72	<0.1	7.2	17.3	683	3.58	5.0	0.3	0.9	0.6	130	0.2	<0.1	<0.1	105	3.31
12404	Rock	2.19	0.3	99.0	0.9	33	<0.1	12.5	10.7	739	1.91	0.7	1.0	<0.5	3.4	81	<0.1	<0.1	<0.1	39	6.85
12405	Rock	2.68	1.9	211.6	1.1	9	0.1	3.4	2.8	123	0.56	<0.5	0.6	<0.5	2.0	26	<0.1	<0.1	0.2	16	0.82
12406	Rock	2.62	0.7	53.4	5.1	68	<0.1	17.7	16.6	628	3.91	1.5	0.5	<0.5	1.7	82	0.1	<0.1	<0.1	128	1.38
12407	Rock	2.12	2.7	21.1	9.2	52	0.1	2.1	6.7	393	3.46	4.1	2.0	2.2	0.9	54	<0.1	0.1	0.1	54	0.55
12408	Rock	1.89	1.6	>10000	3.0	37	1.1	13.2	17.5	302	4.13	1.0	0.6	15.6	1.4	53	<0.1	<0.1	0.9	100	1.22
12409	Rock	3.18	2.2	7004	1.7	37	0.3	16.6	23.8	309	3.58	1.2	0.9	4.9	1.2	54	<0.1	<0.1	0.3	89	0.69
12410	Rock	2.32	13.4	6788	1.5	7	1.0	2.0	2.4	84	1.19	1.0	0.4	22.2	0.2	7	<0.1	<0.1	0.2	16	0.14
12411	Rock	2.45	4.7	7508	1.2	26	0.3	23.0	19.6	300	3.54	1.7	1.0	3.2	0.5	116	<0.1	0.1	<0.1	97	0.93
12412	Rock	3.75	5.4	4880	3.1	45	1.4	16.0	23.5	340	5.51	1.9	2.1	5.4	1.5	147	0.3	<0.1	<0.1	87	0.72
12413	Rock	3.28	1.3	88.0	4.0	36	<0.1	8.2	7.3	299	3.49	5.0	1.9	<0.5	3.6	85	<0.1	<0.1	0.1	71	0.57
12414	Rock	4.72	10.3	3023	1.2	19	0.4	6.5	9.3	578	1.91	1.0	0.3	4.0	0.2	39	<0.1	<0.1	0.3	23	7.57
322623	Rock	5.47	1.2	4020	1.4	39	2.6	12.5	10.9	432	2.52	0.7	1.0	9.4	2.1	71	0.1	<0.1	0.5	77	1.70
12301	Rock	2.42	0.3	186.7	0.8	79	<0.1	23.9	25.1	592	3.07	0.9	<0.1	1.6	0.1	195	<0.1	<0.1	<0.1	71	1.45
708654	Rock	1.97	0.4	452.6	1.3	32	0.3	5.7	7.7	1278	1.78	0.8	1.1	0.9	2.4	73	<0.1	<0.1	<0.1	38	2.82
708701	Rock	1.50	0.3	22.1	1.4	16	<0.1	7.0	5.6	183	0.92	2.3	0.3	6.4	0.5	22	<0.1	<0.1	<0.1	19	0.28
322624	Rock	1.44	7.4	>10000	1.8	24	23.6	9.2	10.2	573	2.48	0.7	2.5	87.2	2.1	32	0.5	<0.1	3.8	40	3.44

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Project: Rateria
Report Date: January 13, 2009

CERTIFICATE OF ANALYSIS VAN08010980.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR	7AR
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.001	0.001	0.01
12401	Rock	0.072	6	15	1.52	25	0.055	<20	1.63	0.040	0.08	<0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	N.A.	N.A.	N.A.
12402	Rock	0.054	5	22	1.61	138	0.014	<20	1.05	0.044	0.25	<0.1	0.02	12.3	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
12403	Rock	0.075	4	23	1.74	25	0.200	<20	3.71	0.033	0.07	0.1	0.01	7.7	<0.1	<0.05	11	<0.5	N.A.	N.A.	N.A.
12404	Rock	0.055	6	10	1.23	80	0.019	<20	1.32	0.017	0.15	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	N.A.	N.A.	N.A.
12405	Rock	0.030	2	4	0.34	54	0.024	<20	0.50	0.026	0.17	21.4	<0.01	0.8	<0.1	<0.05	2	<0.5	N.A.	N.A.	N.A.
12406	Rock	0.116	13	31	1.32	79	0.307	<20	1.82	0.122	0.07	<0.1	<0.01	8.5	<0.1	<0.05	8	<0.5	N.A.	N.A.	N.A.
12407	Rock	0.073	6	2	0.82	32	0.245	<20	1.62	0.033	0.19	<0.1	0.01	3.0	<0.1	<0.05	5	2.0	N.A.	N.A.	N.A.
12408	Rock	0.081	6	13	1.11	56	0.172	<20	1.93	0.043	0.07	0.3	<0.01	4.3	<0.1	0.24	10	1.1	<0.001	1.208	<0.01
12409	Rock	0.080	6	14	1.52	31	0.128	<20	1.90	0.037	0.10	0.3	<0.01	4.2	<0.1	<0.05	8	0.6	N.A.	N.A.	N.A.
12410	Rock	0.012	1	6	0.17	9	0.010	<20	0.29	0.006	0.07	0.3	<0.01	0.5	<0.1	0.19	<1	0.6	N.A.	N.A.	N.A.
12411	Rock	0.102	2	21	1.47	18	0.117	<20	1.93	0.036	0.07	0.3	<0.01	2.9	<0.1	0.24	8	0.6	N.A.	N.A.	N.A.
12412	Rock	0.078	3	10	1.68	21	0.095	<20	2.18	0.019	0.05	<0.1	<0.01	5.1	<0.1	<0.05	11	<0.5	N.A.	N.A.	N.A.
12413	Rock	0.113	13	11	0.63	124	0.142	<20	1.53	0.083	0.18	<0.1	<0.01	3.4	<0.1	0.18	7	0.8	N.A.	N.A.	N.A.
12414	Rock	0.017	3	8	0.53	12	0.012	<20	0.70	0.006	0.07	0.4	<0.01	1.0	<0.1	0.08	3	<0.5	N.A.	N.A.	N.A.
322623	Rock	0.078	5	14	0.89	84	0.105	<20	1.24	0.056	0.18	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	N.A.	N.A.	N.A.
12301	Rock	0.129	3	19	1.95	10	0.103	<20	2.56	0.009	<0.01	<0.1	<0.01	3.5	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
708654	Rock	0.057	7	5	0.70	51	0.029	<20	0.77	0.026	0.19	<0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
708701	Rock	0.027	4	8	0.37	39	0.002	<20	0.95	0.002	0.09	<0.1	<0.01	1.2	<0.1	<0.05	3	<0.5	N.A.	N.A.	N.A.
322624	Rock	0.071	5	8	1.13	52	0.014	<20	1.42	0.010	0.22	<0.1	<0.01	2.3	<0.1	0.38	3	0.5	<0.001	3.750	<0.01

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Project: Rateria
Report Date: January 13, 2009

CERTIFICATE OF ANALYSIS VAN08010980.2

	Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Hg
	Unit	%	gm/mt	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.01	0.001	0.001
12401	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12402	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12403	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12404	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12405	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12406	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12407	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12408	Rock	0.03	<2	0.001	0.002	0.03	4.85	<0.01	0.007	<0.001	<0.001	<0.01	1.41	0.076	0.001	1.16	2.21	0.10	0.11	<0.001	<0.001
12409	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12410	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12411	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12412	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12413	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12414	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
322623	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
12301	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
708654	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
708701	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
322624	Rock	0.01	28	0.001	0.001	0.06	2.80	<0.01	0.003	<0.001	<0.001	<0.01	3.70	0.066	<0.001	1.19	1.78	0.02	0.43	<0.001	<0.001

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Project: Rateria
Report Date: January 13, 2009

QUALITY CONTROL REPORT VAN08010980.2

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
12301	Rock	2.42	0.3	186.7	0.8	79	<0.1	23.9	25.1	592	3.07	0.9	<0.1	1.6	0.1	195	<0.1	<0.1	<0.1	71	1.45
REP 12301	QC		0.3	188.3	0.8	78	<0.1	23.7	24.0	569	3.06	0.8	<0.1	1.5	0.1	191	<0.1	<0.1	<0.1	71	1.44
Reference Materials																					
STD DS7	Standard		20.5	105.4	70.8	386	0.8	56.0	9.5	628	2.38	51.4	4.7	46.7	4.3	79	6.2	4.4	4.6	77	0.94
STD DS7	Standard		22.0	107.3	71.4	397	1.0	54.8	9.2	630	2.38	52.6	4.9	48.3	4.0	80	6.1	4.3	4.6	78	0.94
STD DS7	Standard		23.1	123.9	78.2	410	0.8	61.6	10.7	723	2.61	61.3	5.4	56.2	4.8	84	7.3	5.3	5.3	84	1.02
STD DS7	Standard		23.5	124.2	78.3	429	0.8	60.2	11.1	740	2.74	57.9	5.9	71.7	5.1	83	7.4	5.4	5.4	87	1.04
STD R4A	Standard																				
STD R4A	Standard																				
STD DS7 Expected			20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93
STD R4A Expected																					
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.2	2.3	10.7	57	<0.1	4.5	4.7	601	2.22	0.8	2.0	<0.5	4.5	64	<0.1	<0.1	0.1	40	0.55
G1	Prep Blank	<0.01	0.2	2.6	12.8	59	<0.1	4.3	4.7	574	2.08	1.2	2.2	<0.5	4.1	74	<0.1	<0.1	<0.1	38	0.52

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Project: Rateria
Report Date: January 13, 2009

QUALITY CONTROL REPORT VAN08010980.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	7AR	7AR
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Mo	Cu	Pb
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.001	0.001	0.01
Pulp Duplicates																					
12301	Rock	0.129	3	19	1.95	10	0.103	<20	2.56	0.009	<0.01	<0.1	<0.01	3.5	<0.1	<0.05	7	<0.5	N.A.	N.A.	N.A.
REP 12301	QC	0.125	3	18	1.93	10	0.102	<20	2.52	0.009	<0.01	<0.1	<0.01	3.6	<0.1	<0.05	6	<0.5			
Reference Materials																					
STD DS7	Standard	0.077	13	213	1.02	421	0.124	39	1.03	0.101	0.49	3.4	0.20	2.3	4.1	0.18	5	3.5			
STD DS7	Standard	0.072	12	209	1.03	398	0.121	41	1.01	0.100	0.46	2.9	0.18	2.4	4.1	0.18	5	3.8			
STD DS7	Standard	0.094	14	203	1.17	459	0.145	42	1.19	0.109	0.53	3.2	0.21	3.0	4.6	0.22	6	4.0			
STD DS7	Standard	0.097	14	209	1.24	457	0.153	44	1.22	0.112	0.57	3.4	0.23	3.0	4.9	0.20	6	4.1			
STD R4A	Standard																		0.063	0.509	1.53
STD R4A	Standard																		0.062	0.507	1.53
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5			
STD R4A Expected																			0.055	0.502	1.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5			
BLK	Blank																		<0.001	<0.001	<0.01
Prep Wash																					
G1	Prep Blank	0.104	9	9	0.65	269	0.157	<20	1.13	0.096	0.60	<0.1	0.04	2.6	0.4	<0.05	5	<0.5	N.A.	N.A.	N.A.
G1	Prep Blank	0.103	7	7	0.63	270	0.147	<20	1.07	0.076	0.59	<0.1	0.04	2.4	0.4	<0.05	5	<0.5	N.A.	N.A.	N.A.

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	Method	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Hg
	Unit	%	gm/mt	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.01	0.001	0.001
Pulp Duplicates																					
12301	Rock	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
REP 12301	QC																				
Reference Materials																					
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD DS7	Standard																				
STD R4A	Standard	3.30	86	0.355	0.041	0.06	24.07	0.02	0.004	0.018	0.013	<0.01	0.97	0.042	0.013	0.87	1.29	0.07	0.52	<0.001	0.002
STD R4A	Standard	3.28	85	0.352	0.041	0.06	23.96	0.02	0.004	0.018	0.013	<0.01	0.96	0.043	0.013	0.86	1.29	0.07	0.52	<0.001	0.002
STD DS7 Expected																					
STD R4A Expected		3.31	86	0.336	0.04	0.06	23.38	0.023	0.004	0.017	0.012	0.0024	0.94	0.042	0.012	0.83	1.25	0.07	0.51	0	0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001
Prep Wash																					
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
G1	Prep Blank	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

APPENDIX III

FIGURES 1 TO 4

Happy Creek Minerals Ltd.
West Valley Project
Figure 1: Location Map

Scale: 1:5,250,000

0 50 100 150 200 250
Kilometers

Projection: BC Albers Datum: Nad83

N
W E
S

Yukon Territory
Northwest Territories
Alberta
British Columbia
Alaska

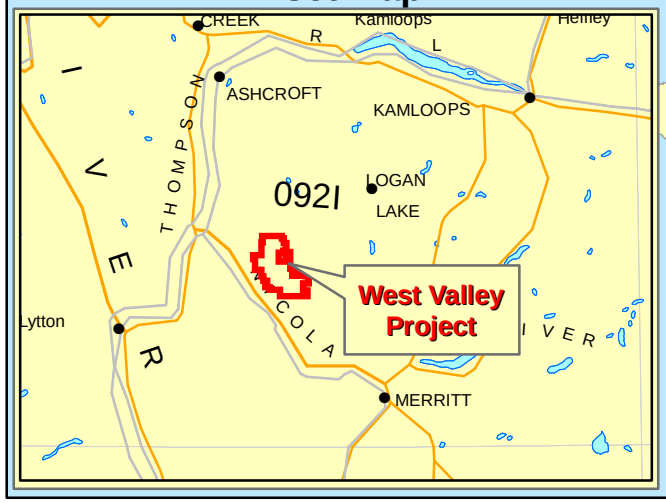
Atlin Park
Mount Edziza Park
Spatsizi Plateau Wilderness Park
Kwadacha Wilderness Park
Tweedsmuir Park
Bowron Lake Park
Mount Robson Park
Wells Gray Park
Jasper National Park
Garibaldi Park
Pacific Rim National Park Reserve
Banff National Park
Yoho National Park
Glacier National Park
Kootenay National Park

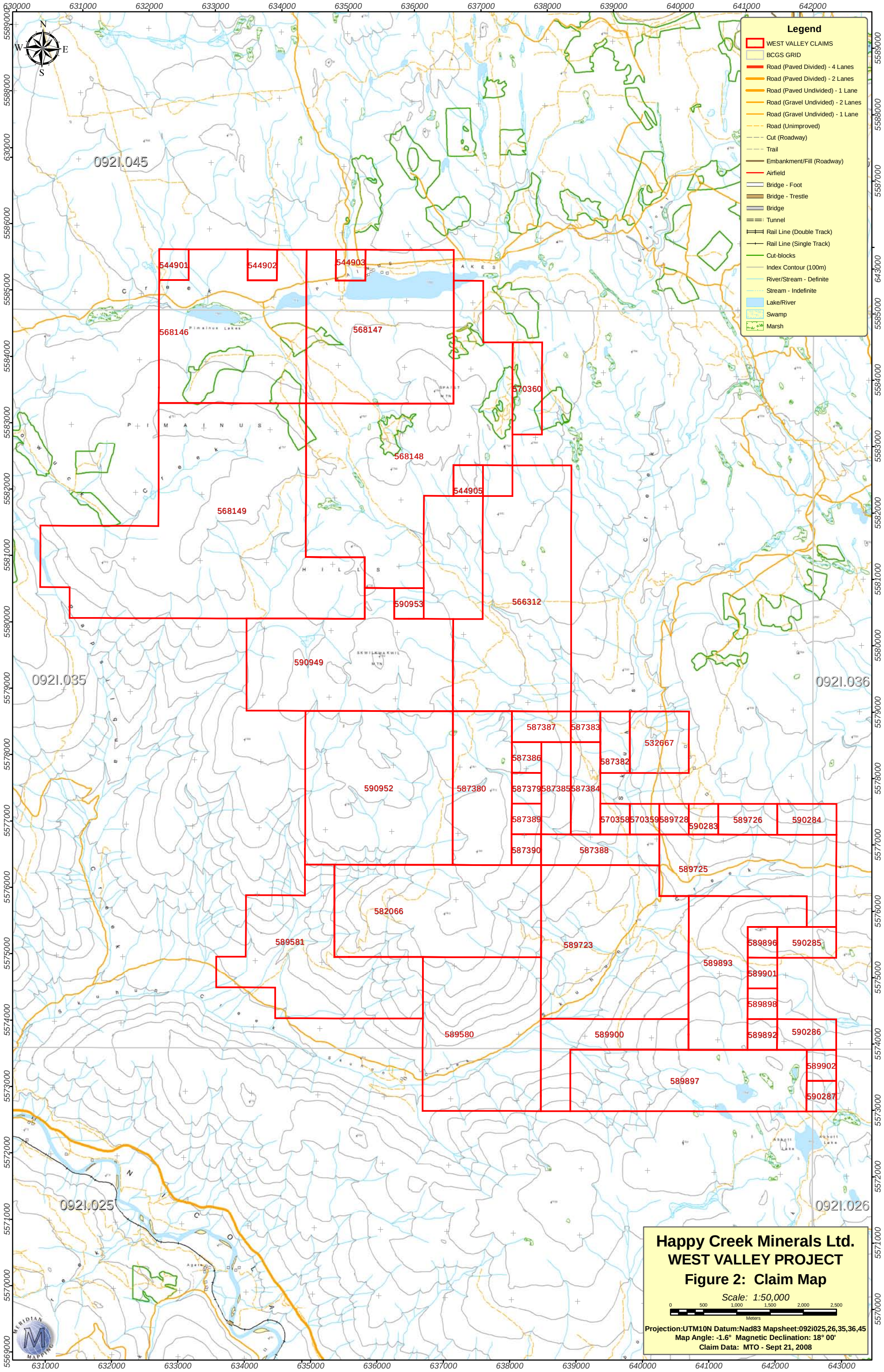
Fort St. John
Dawson Creek
Grande Prairie
Prince Rupert
Terrace
Prince George
Quesnel
Williams Lake
Revelstoke
Kamloops
Merritt
Enderby
Vernon
Kelowna
Penticton
Powell River
Courtenay
Parksville
Port Alberni
Duncan
Vancouver
Burnaby
Richmond
Surrey
Mission
Abbotsford
Chilliwack
Greenwood
Rossland
Castlegar
Trail
Nelson
Cranbrook
Kimberley
Fernie
Edmonton
St. Albert
Leduc
Wetaskiwin
Red Deer
Airdrie
Calgary
Colwood
Victoria

Washington
Idaho
Montana

West Valley Project (See Inset Map)

Inset Map




Legend
WEST VALLEY CLAIMS
BCGS GRID
Road (Paved Divided) - 4 Lanes
Road (Paved Divided) - 2 Lanes
Road (Paved Undivided) - 1 Lane
Road (Gravel Undivided) - 2 Lanes
Road (Gravel Undivided) - 1 Lane
Road (Unimproved)
Cut (Roadway)
Trail
Embankment/Fill (Roadway)
Airfield
Bridge - Foot
Bridge - Trestle
Bridge
Tunnel
Rail Line (Double Track)
Rail Line (Single Track)
Cut-blocks
Index Contour (100m)
River/Stream - Definite
Stream - Indefinite
Lake/River
Swamp
Marsh
N
S
E
W
092I.045
092I.035
092I.036
092I.025
092I.026
544901
544902
544903
568146
568147
570360
568148
544905
568149
590953
566312
590949
590952
587380
587387
587383
532667
587386
587382
587379
587385
587384
587389
570358
570359
589728
590283
589726
590284
587390
587388
589725
582066
589581
589723
589896
590285
589893
589901
589898
589580
589900
589892
590286
589902
589897
590287
Happy Creek Minerals Ltd.
WEST VALLEY PROJECT
Figure 2: Claim Map
Scale: 1:50,000
0 500 1,000 1,500 2,000 2,500
Meters
Projection:UTM10N Datum:Nad83 Mapsheet:092i025,26,35,36,45
Map Angle: -1.6° Magnetic Declination: 18° 00'
Claim Data: MTO - Sept 21, 2008

Happy Creek Minerals Ltd.
West Valley Project
Regional Geology Map

Scale: 1:125,000

0 1,000 2,000 3,000 4,000 5,000 6,000 Meters

Projection: UTM10N Datum: Nad83 Mapsheet: 092I
Claim Data: MTO Jan 15, 2009 Geology:Guichon Batholith Map

630000 640000 650000

5600000 5590000 5580000 5570000 5560000

Bethlehem
Valley
Teck Cominco Concentrator
Lornex
Highmont
JA Deposit
West Valley
Craigmont
No Outcrop

GEOLOGY LEGEND

EOCENE AND YOUNGER (?)

KAMLOOPS GROUP

- 12e, Arlington Volcanic and Intrusive Rocks: Biotite Quartz Plagioclase Porphyry; Intrusive and Extrusive Breccia
- 12d, Stocks and Associated Flows of Biotite Hornblende Plagioclase Porphyry
- 12c, Volcanic Pebble Conglomerate, Sandstone, Mudstone, Minor Amounts of Diatomite, and Scattered Lava Flows
- 12b, Volcanic Pebble Conglomerate, Sandstone, Mudstone, Minor Amounts of Diatomite, and Scattered Lava Flows
- 12, Predominantly Intermediate, Some Acid and Basic Lava Flows; Minor Tuffs and Volcanic Breccias

EOCENE (?)

COLDWATER SERIES

- 11, Sedimentary Rocks: Sandstone, Shale, Conglomerate, Coal Measures

CRETACEOUS

KINGSVALE GROUP

- 10, Basalt, Andesite, Hornblende Needle Porphyry (Dacite), Volcanic Breccia, Local Basal Sandstone and Conglomerate

SPENCES BRIDGE GROUP

- 9e, Rhyolite and Rhyodacite Flows
- 9d, Volcanic Breccias, Some Agglomerate, Tuff, Red Andesitic Lavas
- 9c, Volcanic Breccias, Some Agglomerate, Tuff, Red Andesitic Lavas
- 9b, Sandstone, Pebble Conglomerate, Shale (Carbonized Plant Remains Common)
- 9a, Mainly Intermediate Lava Flows, Dark-Coloured Porphyritic Plagioclase Andesites, Basalt
- 9, Mainly Intermediate Lava Flows, Dark-Coloured Porphyritic Plagioclase Andesites, Basalt

JURASSIC

ASHCROFT FORMATION

- 8, Black Shale, Siltstone, Sandstone, Minor Conglomerate and Limestone
- 8a, Pebble to Boulder Conglomerate

TRIASSIC

GUICHON CREEK BATHOLITH AND ASSOCIATED INTRUSIONS

- 7, Gump Lake Phase - Granodiorite to Quartz Monzonite
- 6, Spatsum Quartz Monzonite; Barnes Lake Plagioclase Aplite

GUICHON CREEK BATHOLITH

- 5b, Bethsaida Phase - Quartz Monzonite to Granodiorite and Slightly Younger (?) Porphyry Dykes and Plugs
- 5, Bethsaida Phase - Quartz Monzonite to Granodiorite and Slightly Younger (?) Porphyry Dykes and Plugs
- 5a, Skeena Variety - Granodiorite, Intermediate in Composition and Texture Between Bethlehem and Bethsaida Phases
- 4a, Bethlehem Phase - Granodiorite and Slightly Younger Porphyry Dykes and Plugs
- 4, Bethlehem Phase - Granodiorite and Slightly Younger Porphyry Dykes and Plugs
- Bx, Breccia Bodies of Explosive Origin
- 3e, Rocks with Textures and Compositions Trans Between H.V. and Bethlehem Phases or Areas with Swarms of Beth. Phase Dykes in H.V Phase
- 3d, Chataway Variety - Granodiorite
- 3c, Granodiorites with Textures and Compositions Transitional Between Guichon and Chataway Varieties
- 3b, Guichon Variety - Granodiorite, Incl. Areas of Finer Grained GD Near Chataway Lk Having Tex and Comp Like Those of Normal Guichon Var.
- 3a, Granodiorite to Quartz Diorite with Textures and Compositions Transitional Between Border and Highland Valley Phases
- 2, Border Phase - Quartz Diorite to Granodiorite
- 2a, Diorite to Quartz Diorite with Compositions and Textures Transitional Between Nicola Group Rocks and Border Phase Quartz Diorite

INTRUSIONS OF POST-NICOLA, PRE-SPENCES BRIDGE GROUP AGE

- 1g, Coyle Stock - Diorite to Quartz Monz, Local Alaskite and Mafic Quartz Plag Porphyry Plugs; Probably Related to Late-Stage Nicola Volcanism
- 1f, Coyle Stock - Diorite to Quartz Monz, Local Alaskite and Mafic Quartz Plag Porphyry Plugs; Probably Related to Late-Stage Nicola Volcanism

NICOLA GROUP

- 1e, Acidic Volcanic Flows and Pyroclastic Rocks
- 1d, Mainly Volcanic Rocks of Intermediate to Basic Composition
- 1c, Volcanic Breccias and Flows, Flow Breccia and Debris Slides
- 1b, Mixed Volcanic and Sedimentary Rocks
- 1a, Mainly Sedimentary Rocks, Sandstone, Limestone, Argillite, Some Chert
- 1, Nicola Group

No Outcrop

LEGEND

- WEST VALLEY CLAIM GROUP

MINFILE

- Producer
- Past Producer
- Developed Prospect
- Prospect
- Showing
- Anomaly

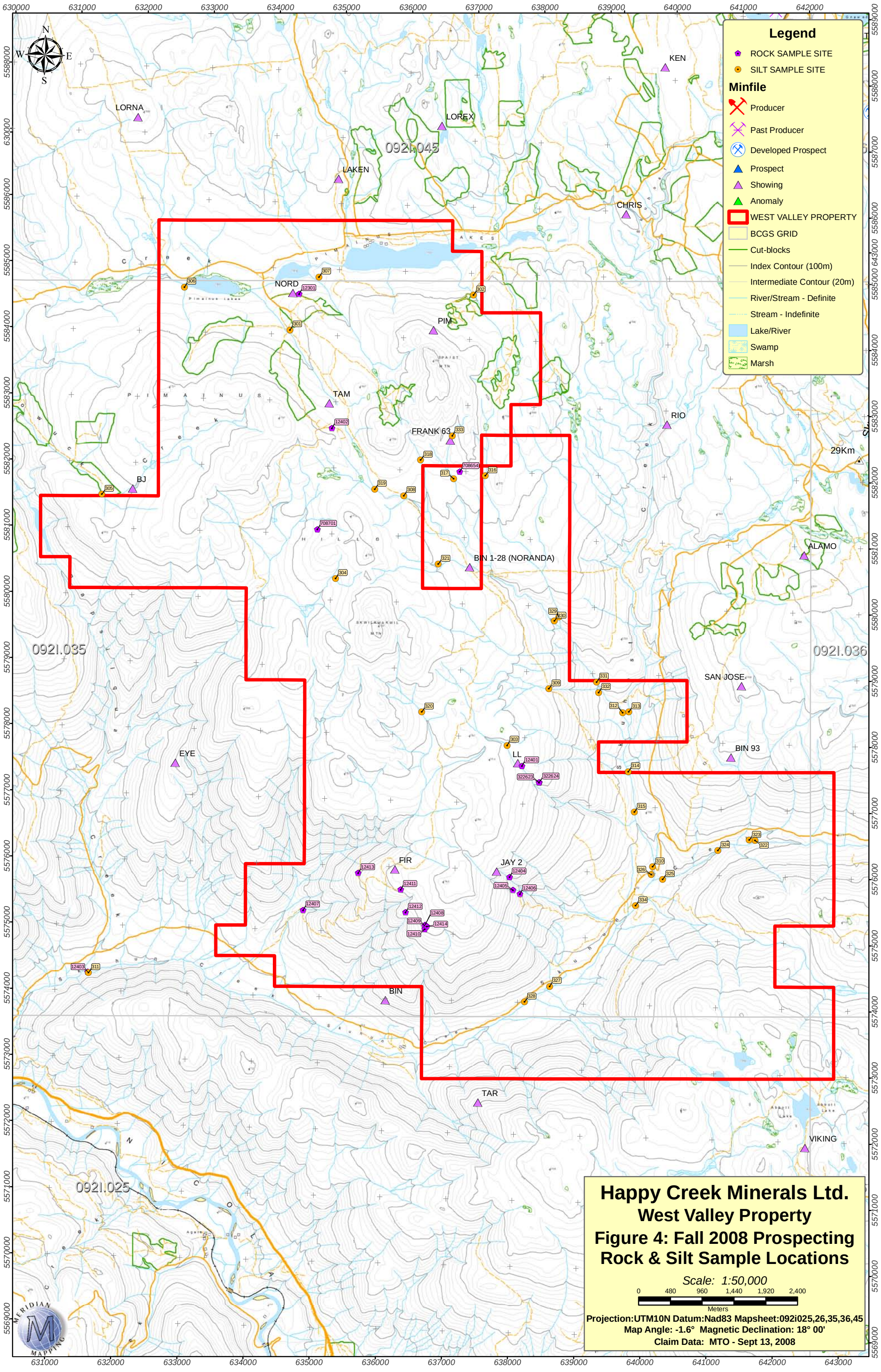
FAULTS

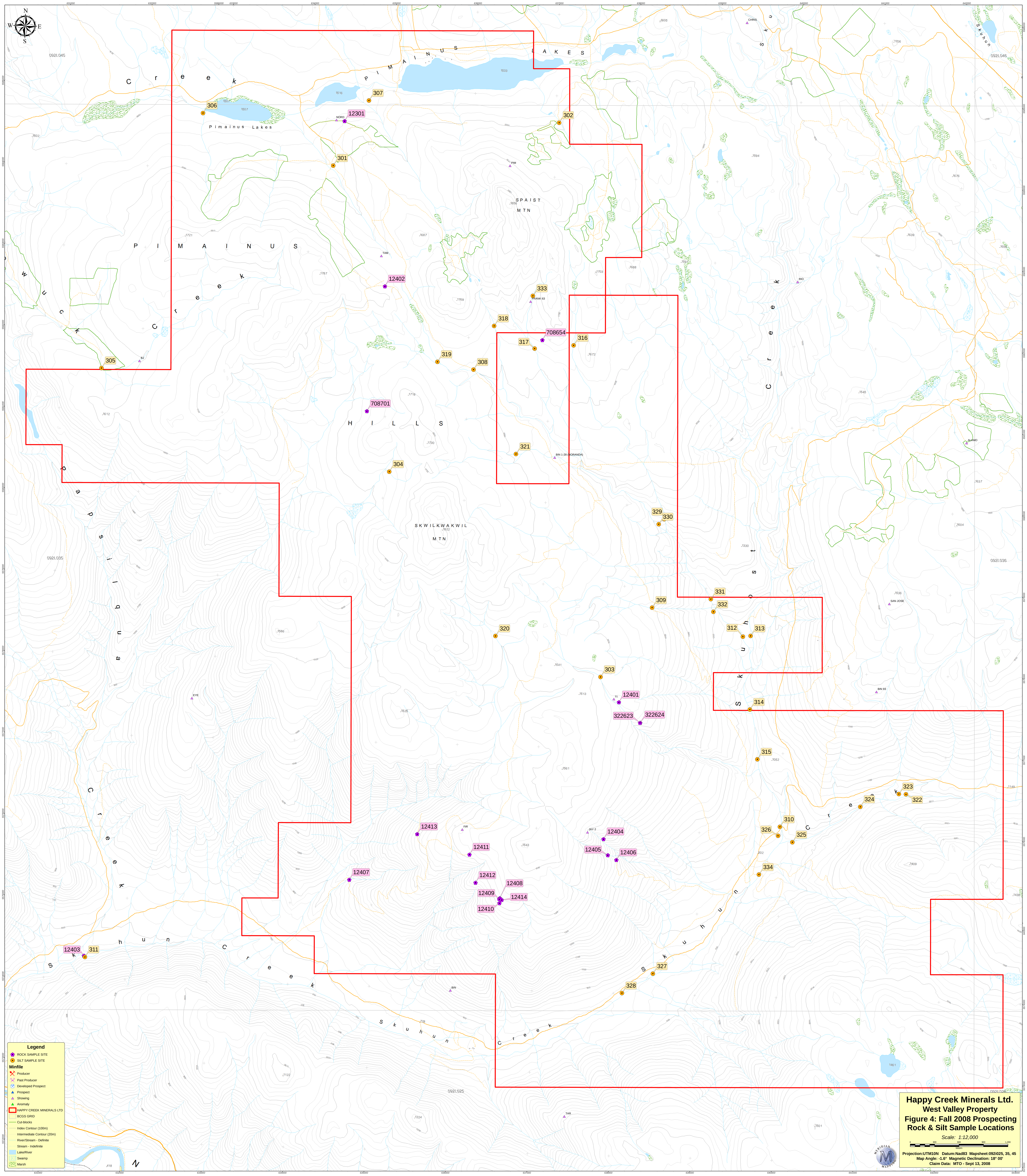
- Extension Fault
- Fault
- Normal Fault
- Thrust

TRANSPORTATION

- Gravel Road
- Paved Road
- Rail Line

MERIDIAN MAPPING


Legend
ROCK SAMPLE SITE
SILT SAMPLE SITE
Minfile
Producer
Past Producer
Developed Prospect
Prospect
Showing
Anomaly
WEST VALLEY PROPERTY
BCGS GRID
Cut-blocks
Index Contour (100m)
Intermediate Contour (20m)
River/Stream - Definite
Stream - Indefinite
Lake/River
Swamp
Marsh
LORNA
LOREX
KEN
LAKEN
CHRIS
NORD
PIM
TAM
RIO
FRANK 63
BJ
BIN 1-28 (NORANDA)
ALAMO
SAN JOSE
EYE
BIN 93
LL
FIR
JAY 2
BIN
TAR
VIKING
29Km
092I.045
092I.035
092I.036
092I.025
Happy Creek Minerals Ltd.
West Valley Property
Figure 4: Fall 2008 Prospecting
Rock & Silt Sample Locations
Scale: 1:50,000
0 480 960 1,440 1,920 2,400
Meters
Projection:UTM10N Datum:Nad83 Mapsheet:092i025,26,35,36,45
Map Angle: -1.6° Magnetic Declination: 18° 00'
Claim Data: MTO - Sept 13, 2008



Happy Creek Minerals Ltd.
West Valley Property
Figure 4: Fall 2008 Prospecting
Rock & Silt Sample Locations
Scale: 1:12,000
0 300 600 900 1,200
Meters
Projection:UTM10N Datum:Nad83 Mapsheet:092i025, 35, 45
Map Angle: -1.6° Magnetic Declination: 18° 00'
Claim Data: MTO - Sept 13, 2008
Legend
ROCK SAMPLE SITE
SILT SAMPLE SITE
Minfile
Producer
Past Producer
Developed Prospect
Prospect
Showing
Anomaly
HAPPY CREEK MINERALS LTD
BCGS GRID
Cut-blocks
Index Contour (100m)
Intermediate Contour (20m)
River/Stream - Definite
Stream - Indefinite
Lake/River
Swamp
Marsh
PIMAINUS LAKES
Pimainus Lakes
PIMAINUS HILLS
SPAIST MTN
SKWILKWAKWIL MTN
Creek
Pimainus Creek
Papsilqua Creek
Skuhun Creek
Skuhost Creek
306
307
12301
302
301
12402
333
318
708654
316
317
319
308
305
708701
321
304
329
330
331
332
309
312
313
320
303
12401
322623
322624
314
315
323
322
324
310
326
325
12413
12411
12404
12405
12406
334
12407
12412
12408
12409
12414
12410
12403
311
327
328

Happy Creek Minerals Ltd.
West Valley Property
Figure 4: Fall 2008 Prospecting Rock &Silt Geochemistry Gold (ppb)

Projection:UTM10N Datum:Nad83 Mapsheet:
092i025,26,35,36,45 Map Angle:-1.6°
Magnetic Declination: 18° 00'
Claim Data MTO -Sept 13, 2008

0 500 1,000 2,000 Meters

1:12,000

LEGEND
Au (ppb) Geochemistry

Rock

- 0.0 - 20.0
- 20.1 - 40.0
- 40.1 - 60.0
- 60.1 - 87.2

Silt

- 0.5 - 100.0
- 100.1 - 200.0
- 200.1 - 500.0
- 500.1 - 980.9

- Ore Showing
- Access road
- Index Contour (100m)
- Intermediate Contour (20m)
- Lake/River
- 2008 HCM Claims

Happy Creek Minerals Ltd.
West Valley Property
Figure 4: Fall 2008 Prospecting Rock &Silt Geochemistry Silver (ppm)

Projection:UTM10N Datum:Nad83 Mapsheet:
092i025,26,35,36,45 Map Angle:-1.6°
Magnetic Declination: 18° 00'
Claim Data MTO -Sept 13, 2008

0 500 1,000 2,000 Meters

1:12,000

LEGEND
Ag (ppm) Geochemistry

Rock

- 0.0 - 6.0
- 6.1 - 10.0
- 10.1 - 16.0
- 16.1 - 23.6

Silt

- 0.1 - 0.5

- Ore Showing
- Access road
- Index Contour (100m)
- Intermediate Contour (20m)
- Lake/River
- 2008 HCM Claims

Happy Creek Minerals Ltd.
West Valley Property
Figure 4: Fall 2008 Prospecting Rock &Silt Geochemistry Copper (ppm)

Projection:UTM10N Datum:Nad83 Mapsheet:
092i025,26,35,36,45 Map Angle:-1.6°
Magnetic Declination: 18° 00'
Claim Data MTO -Sept 13, 2008

0 500 1,000 2,000 Meters

1:12,000

632000 634000 636000 638000 640000 642000

5586000 5584000 5582000 5580000 5578000 5576000 5574000 5572000

LEGEND
Cu (ppm) Geochemistry

Rock

- 0.0 - 200.0
- 200.1 - 500.0
- 500.1 - 1000.0
- 1000.1 - 37500.0

Silt

- 38.5 - 100.0
- 100.1 - 200.0
- 200.1 - 300.0
- 300.1 - 497.1

- Ore Showing
- Access road
- Index Contour (100m)
- Intermediate Contour (20m)
- Lake/River
- 2008 HCM Claims

Happy Creek Minerals Ltd.
West Valley Property
Figure 4: Fall 2008 Prospecting Rock &Silt Geochemistry Molybdenum (ppm)

Projection:UTM10N Datum:Nad83 Mapsheet:
092i025,26,35,36,45 Map Angle:-1.6°
Magnetic Declination: 18° 00'
Claim Data MTO -Sept 13, 2008

0 500 1,000 2,000 Meters

1:12,000

632000 634000 636000 638000 640000 642000

5586000 5584000 5582000 5580000 5578000 5576000 5574000 5572000

N W E S

Pimainus Lakes
Pimainus Creek
Owl Creek
Pimainus Hills
Spaist Mtn
Skwilkwakwil Mtn
Papsilbuna Creek
Skuhun Creek
Abbott Lake

NORD 0.3
PIM
NTP
TAM 0.8
FRANK 0.4
FIR 2.2 1.6 0.3 13.4
JAY2
LL 1.2

306 307 302 301 333 318 317 316 319 308 305 0.3 321 304 330 329 331 309 332 312 313 320 303 0.3 335 314 315 322 323 324 310 326 325 1.3 4.7 0.3 1.9 0.7 334 2.7 5.4 0.9 311 327 328

LEGEND
Mo (ppm) Geochemistry

Rock

- 0.0 - 3.0
- 3.1 - 6.0
- 6.1 - 9.0
- 9.1 - 13.4

Silt

- 0.6 - 5.0
- 5.1 - 10.0
- 10.1 - 15.0
- 15.1 - 21.5

- Ore Showing
- Access road
- Index Contour (100m)
- Intermediate Contour (20m)
- Lake/River
- 2008 HCM Claims