ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE: DIAMOND DRILLING AND GEOLOGICAL REPORT on the WEST VALLEY PROPERTY

TOTAL COST: $181, 012.95

AUTHOR(S): Sassan Liaghat, Ph.D, David Blann, P. Eng

SIGNATURE(S) *sassan liaghat* *david blann*

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): correspondence file # 10-1620810-0528 (May 28, 2010)

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 4807200
YEAR OF WORK: 2010

PROPERTY NAME: West Valley

CLAIM NAMES (on which work was done): 589581,582066,589580,568146,568147

COMMODITIES SOUGHT: Copper, Molybdenum, Gold, Rhenium

MINFILE NUMBERS: 092ISW 003, 006, 007, 018, 019, 024, 034, 044, 070

MINING DIVISION: Kamloops

NTS / BCGS: 092I/036, 046

LATITUDE: 50° 20' 20" N LONGITUDE: 121° 05' 15" W (at centre of work)

UTM: East: 635500; North: 5579300; Zone 10N

OWNER(S): Happy Creek Minerals Ltd. (FMC 203169)

MAILING ADDRESS: #460 – 789 West Pender St.; Vancouver, B.C.; V6C 1H2

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

MAILING ADDRESS: Same as above

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. Bornite, chalcocite, chalcopyrite and pyrite occur in fractured, propylitic altered diorite, quartz diorite.

PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 158, 160, 230, 231, 407, 624, 625, 780, 786, 853, 1088, 1944, 2085, 2087, 2088, 2119, 2120, 2172, 2385, 2488, 2613, 2761, 3181, 3322, 4584, 5756, 6327, 6851, 7405, 9813, 10553, 30779.

TYPE OF WORK IN THIS REPORT	EXTENTOF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping	264 ha 1:10,000	589581, 582066, 589580	$29,512.95
Photo interpretation	0 km		
GEOPHYSICAL (line-kilometres)	0		
Ground	0		
Magnetic	0		
Electromagnetic	0		
Induced Polarization	0		
Radiometric	0		
Seismic	0		
Other	0		
Airborne	0		
GEOCHEMICAL			
Soil			
Silt			
Rock	20 samples	589581, 582066, 589580	$500.00
Other	0		
DRILLING (total metres, number of holes, size, storage location)	NQ 3 holes. Stored in sea container on site	568146, 568147	$140,000
Core	740.97m	568146, 568147	
Non-core	0		
RELATED TECHNICAL			
Sampling / Assaying	319 Samples	568146, 568147	$10,000
Petrographic	0		
Mineralographic	0		
Metallurgic	0		
PROSPECTING (scale/area)	0		
PREPATORY / PHYSICAL	0		
Line/grid (km)	0		
Topo/Photogrammetric (scale, area)	0		
Legal Surveys (scale, area)	0		
Road, local access (km)/trail	3km		$5,000
Trench (number/metres)			
Underground development (metres)	0		
Other	0		
		Total Cost	$185,012.95

DIAMOND DRILLING AND GEOLOGICAL REPORT

on the

WEST VALLEY PROPERTY

MX-4-559

Event # 4807200

Kamloops Mining Division

British Columbia

Map Sheet: 092I/036, 046

UTM East: 635500

UTM North: 5579300

UTM Zone 10N

for

HAPPY CREEK MINERALS LTD.

#460 – 789 West Pender Street

Vancouver, B.C.

V6C 1H2

by

Sassan Liaghat, PhD.

David Blann, P.Eng.

January 2011

Table of Contents

1. Location, Access Physiography and Infrastructure 5
2. Claim Status 6
3. History 6
4. Regional Geology 6
5. Property Geology- Fir Prospect 8
6. 2010 Drilling 9
6.1 Analytical Procedures 10
6.2 Quality Control Procedures 10
6.3 Drilling Results 11
7. 2010 Geological Mapping 13
8. Discussion, Conclusions and Recommendations 13
1. Statement of Costs 15
2. References 16
3. Statement of Qualifications 18

Tables

Table 1 - Mineral Tenure
Table 2 – Exploration History
Table 3 – Diamond Drill Hole Collars and Orientation
Table 4- Summary of Drill hole mineralized intervals
Table 5- Surface Rock Sample Assay Results
Table 6- Waypoint data and Rock descriptions

Figures

Figure 1 – B.C. Property Location
Figure 2 –Property Mineral Tenure Location
Figure 3 – Regional Geology
Figure 4 – Area of geological mapping and drill hole locations
Figure 5 – Drill Hole Plan
Figure 6 – DDH WV10-1 Section
Figure 7 – DDH WV10-2 Section
Figure 8 – DDH WV10-3 Section
Figure 9- Fir Mapping and Sample locations with Copper assays

Appendices

Appendix 1 – Geological Mapping of Fir Prospect
Appendix 2 – Diamond Drill Hole Logs
Appendix 3 – Drill Core Assay Summary
Appendix 4 – Diamond Drill Hole Geothechnical Log
Appendix 5 – Certificates of Analyses

SUMMARY

The West Valley property is approximately 91 square kilometres located approximately 40 kilometres northwest of Merritt, B.C., and 10 kilometres south of the Highland Valley Copper Mine concentrator. The property is consists of 48 contiguous mineral claims comprising 8,536.19 hectares. The claims are accessible by good gravel roads from Lower Nicola or Merritt, B.C.

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 Border phases, and Bethsaida, Skeena and Chataway phases of the Guichon Creek batholith, Upper Triassic - Lower Jurassic in age. The Guichon batholith is a multi-phase calc-alkaline intrusion which hosts the Valley Copper and Lornex deposits to the north.

Until extensive logging activity began more recently, historical access to areas of this property was limited .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 2010 July 11 to July 26 the Company conducted 791 metres of drilling in three widely space holes at the Nord and NTP showings located at the northern end of the West Valley property. Drilling intersected propylitic altered diorite and granodiorite containing dominantly pyrite and chalcopyrite that returned approximately 250-350 parts per million copper on average for the entire hole, from top to bottom. Some sections grading over 0.10% copper locally. Near the top of hole WV10-1, a 2.5 metre interval assays 1.2 g/t gold, and other intervals nearby returned 0.020 to 0.03 g/t gold that confirm low gold values occur. The geology, alteration and mineralization of the Nord and NTP area appear consistent with the periphery of a porphyry copper system.

During the period July 11 to 26, 2010 geological mapping and sampling was performed to the south of the NTP and Nord prospect. Mapping covered several widely spaced historical

showings around and including the Fir prospect. Rock samples returned values of up to 2.86% copper from an historical inclined shaft dump. Mapping located widespread shears zones that contain anomalous values of copper and locally silver and gold. Further exploration of the West Valley property is recommended to include geological mapping, stream sediment and soil geochemical surveys, trenching and modern induced polarization geophysical surveys.

1. Location, Access Physiography and Infrastructure

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 (Figure 1).

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 covered by a blanket of glacial-fluvial sand and gravel of variable thickness. Small lakes, swamps and seasonal creeks occur throughout the property. Forested areas locally contain fir, birch, poplar and spruce, however lodge pole 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 Celsius, and 50-100 cm annual precipitation occurs primarily as snow during the winter. Water, in suitable quantities for all stages of exploration, is generally 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.

2. Claim Status

The West Valley property comprises 48 contiguous mineral claims and covers an area of 8,536.19 hectares (Figure 2). The claims are in the Kamloops Mining Division. All claims are recorded as 100% owned by Happy Creek Minerals Ltd. (Table 1, Figure 2). The claims have not been legally surveyed.

3. 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 shallow diamond drilling was conducted at one or two of the known showings. Much of this work is poorly documented and the locations of the work programs are somewhat ambiguous. In 2008 Happy Creek Minerals Ltd. conducted stream sediment and rock geochemical sampling. In 2009 reconnaissance mapping and prospecting was performed over portions of the property followed by a 3 dimensional induced polarization (3D IP) and magnetic survey covering several new showings (NTP and Nord) located on the south side of Pimainus Lakes, in north part of the claims. A summary of previous prospecting and exploration activities are provided in Table 2. Positive results from the geophysical IP survey and rock sampling resulted in Happy Creek returning to carry out drilling and mapping in 2010

4. Regional Geology

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 (Figure 3). 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. Textural and compositional criteria have

been used to characterize the various intrusive phases after Northcote (1969) and 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, Eocene to Miocene in age, cut the Guichon Creek batholith rocks. During the last glacial period, portions of the Tertiary and older rocks were eroded, and between one and over 30 metres of till, glaciofluvial and lacustrine cover was deposited toward a 165° azimuth.

Highland Valley copper ± molybdenum deposits are generally associated with or near the dyke swarm or occur within Bethsaida phase and related dykes. Highland Valley 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 is 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). Phyllic alteration cuts potassic alteration. In argillic zones, which often extend within and 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 zeolite 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. The relative abundance and importance of molybdenum in the ore deposits increase spatially from the Valley, Lornex to Highmont.

5. Property Geology- Fir Prospect

The West Valley property is located in part on and to the west of the Lornex Fault, a major north-south trending structure that is thought to be an important control to mineralization at

the Lornex and Valley copper deposits to the north. The Fir, Jay 2 and LL prospects occur near the intersection of the Lornex fault and the major east-west trending Skuhun Creek fault. Dykes of feldspar porphyry, quartz feldspar porphyry and mafic composition also occur. This structural setting and presence of porphyry dykes are similar features to that found at the major mines to the north.

Based on detailed mapping the Fir project area is underlain by diorite and related intermediate intrusive varieties that are locally cut by sulphide-bearing quartz vein/breccia and stockwork with accompanying strong bleaching and zoned argillic, phyllic and propylitic alteration styles (Figure 4, Appendix 1). Shear zones have strong malachite staining at surface and well-developed chalcopyrite, bornite and chalcocite mineralogy at depth, as evidenced at the exposed face of the Jay 2 inclined shaft. Sulphide and quartz zones are often developed along north trending and steeply west dipping shear/fracture zones and are spatially associated with mafic or feldspar porphyry dykes. Pronounced conjugate joint and intersecting fractures sets with radiating dips around the Fir prospect suggest a "dome" effect that may indicate a shallow buried intrusive below a diorite cap with potential for broader porphyry-copper related mineralization.

6. 2010 Drilling

During 2010 a diamond drill program comprised of three holes totalling 740.97meters was conducted on the West Valley property (Figure 4). This program was designed to test geophysical targets and surface showings generated during the 2009 3D IP program and mapping and prospecting. The holes were NQ size and angled to the east. Drill hole locations and orientation are provided in Table 3 and shown in Figure 5.

Except for WV10-02, in which 2 km access trail was constructed, drill sites for WV10-01, and WV10-03 were located by the existing logging road. Water was pumped to the drills from nearby water sources or trucked from local lakes. Drill core was logged and sampled on site by Happy Creek Minerals Ltd. personnel.

Core was picked up from the drill by Happy Creek personnel. A locked sea container is located at the core shack and core was stored inside them until it was ready to be logged. Core was split in half using a manual core splitter. After splitting, core samples along with sample tags were placed in plastic sample bags, sealed with zap straps and placed inside a rice bag. All the sample numbers were recorded on a sample shipment form. The samples were stored in the locked containers until they were picked up in Merritt and transported to the lab by AGAT Laboratories. Once the sampling was completed, the core boxes are stored in a locked sea container.

There are no obvious drilling, sampling or recovery factors that would impact the reliability of the core samples.

6.1 Analytical Procedures

Drill core samples are dried, crushed, pulverized by AGAT Laboratories Ltd. in Vancouver. Pulp samples were transported by air to AGAT Laboratories in Ontario. Analysis at AGAT was done using an Aqua Regia Digest - Metals Package, ICP/ICP-MS analysis.

The split drill core samples were crushed in their entirety to 80% passing -10 mesh (2 millimetres) and the crusher was cleaned with barren rock between samples. From the coarse rejects a sub-sample of 250 grams was pulverized to 85% passing -200 mesh (0.074 millimetres). The pulveriser was cleaned with silica sand between samples. Copper, (in addition to 50 other elements) was determined using an aqua regia solution to digest the sample, followed by ICP-MS analysis.

AGAT's quality system is compliant with the International Organization for Standardization's ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories' and the ISO 9000 series of Quality Management standards.

6.2 Quality Control Procedures

Happy Creek implemented a full quality control ("QC") program which involved the insertion of certified reference material (1 for every 30 samples), blank material a bright white marble

cobbles obtained from Landscaping supply store (1 for every 30 samples) and field (1/4 core) duplicates (1 for every 30 samples). In a group of 30 samples there were 1 duplicate, 1 blank and 1 standard. The author examined the performance of the blanks, field duplicates and standard reference material.

Two reference material were used, CDN CM-5 and CDN CM-7. Of the 56 data points for the reference material none fell outside the tolerance limits supplied by CDN Resource Laboratories Ltd. The performance of the blanks was very good with only few data points, minor exceeding the detection limit tolerance for Cu. No action was taken. The field duplicates performed well. Few sample pairs had minor difference between them and suggest that small mineralized fractures locally and to a minor extent, run sub parallel to the core axis, and are expected and within normal variability of mineralized samples. No action was taken.

6.3 Drilling Results

The 2010 drill program focussed on testing high geophysical IP chargeability, resistivity and magnetic anomalies located at some distance to areas of surface mineralization. A plan map and cross sections of diamond drill holes are provided in Figures 5, 6, 7and 8. Significant drill results are presented in Table 4.Drill core logs are included in Appendix 2 and core samples interval with assay are listed in Appendix 3. Geotechnical logs are in Appendix 4 and certificates of analyses are included in Appendix 5.

Most of the rock types from drill holes are tentatively interpreted to be Border (Hybrid) phase, quartz diorite/diorite, locally amphibolite and tonalite of the Guichon batholith and are melanocratic. The core is light green, gray to dark green and mottled in colour due to varying concentration and distribution of minerals. Fine to coarse grained, 1mm to 15mm equigranular to unequigranular phenocrysts are locally porphyritic.

Alteration is quite variable, with pervasive propylitic alteration ranging from weak to strong. Locally silica, sericite and clay (argillic) alteration are dominant. Vein controlled epidote, chlorite, carbonate alteration (propylitic) is concentrated along fractures and permeates from

fracture surfaces into the host rocks forming a halo of alteration adjacent to the fracture plane. Mafic minerals are weakly to strongly replaced by chlorite and locally to epidote, mainly close to fractures, veins and faults. Mafic minerals are a little replaced by magnetite. Initial pervasive epidote alteration is overprinted by secondary vein controlled epidote alteration. The distinctive alteration halo in relation to the veins is observed. Within veins epidote is mainly associated with chlorite, carbonate and clay. Silicification is patchy across intervals, and quartz veins and quartz flooding is concentrated in fracture zones. Locally weak potassic alteration and vein fillings replace primary potassic feldspar and plagioclase. Sericite is overall weak and patchy, and significant concentrations exist along fractures and pervasive replacement of entire feldspar grains occurs adjacent to fracture surfaces. Argillic alteration (kaolinite or other clay) locally is mild to intense along fractures/fault surfaces. A late overprint of iron oxide (hematite, goethite or jarosite) is concentrated on fracture planes and pervasively stains the core.

Xenoliths of volcanic and different rock types are included in the rock matrix and mixing of these units has resulted in various fabrics, such as zoning, banding, intergrowth, flow and directive fabric of minerals. Hornblende, plagioclase and ± biotite, are coarse gained and crowded in texture, locally appearing as flow fabric within a finer grained groundmass. Sparse fractures, locally intense, are common throughout the drill core, average angle >60° to core axis, and mainly filled with chlorite and epidote. Faults and related gouge are rarely observed.

The 2010 West Valley diamond drill holes intersected consistent low to weak copper mineralization through almost all core samples. Copper minerals present as disseminations of bo and cp replacing mafic minerals. In some locations minor dissemination of fine to medium grained pyrite occurs. Trace amounts of chalcopyrite, bornite and pyrite also occur in some fractures. Trace, fine grained chalcocite may occur in some fractures and replace or lie adjacent to mafic minerals, and occur associated with quartz veins.

7. 2010 Geological Mapping

The Fir mapping report is located in Appendix 1. Rock sample results and waypoint data with rock sample descriptions are provided in Table 5 and 6, respectively. Rock and geology waypoint locations are shown in Figure 9. Certificates of analyses are presented in Appendix 5.

8. Discussion, Conclusions and Recommendations

On the West Valley property, the first drilling conducted by Happy Creek Minerals was performed near the NTP and Nord prospects, located approximately 6 kilometres southwest of Teck's Highmont mine, and was directed at a portion of an 3D IP and strongly positive magnetic geophysical anomaly, approximately 1.6 by 1.0 kilometres in dimension. The three drill holes were collared approximately 200 to 400 metres apart along the western edge of the anomaly, and directed eastward at approximately -60 degrees dip towards the strongest IP and magnetic geophysical values.

Pyrite, bornite and chalcopyrite occur and 2.5 metre samples average approximately 300 ppm copper (0.03% copper) from top to bottom of the holes and values up to 900 ppm copper (0.09% copper) occur. Drill hole WV10-3 returned 11.0 metres of 0.06 % copper and 27.5 metres of 0.06% copper. Locally, magnetite veins approximately 10 centimetres in thickness contain strong chalcopyrite mineralization. Drill hole WV10-1 returned 2.5 metres containing 1.20 g/t gold near the top of the hole, and several other 2.5 metre samples returned 0.02 to 0.03 g/t gold with low copper values.

At the NTP and Nord prospect area, the presence of several intrusive phases, magmatic mixing, fracturing, copper sulphides, locally positive gold values, hydrothermal magnetite and propylitic to locally phyllic and argillic alteration is thought to be consistent with the periphery of a porphyry copper system. Further exploration in this area is warranted.

Geological mapping and rock sampling around the Fir prospect, located approximately three kilometres south of the drilling was performed. The Fir prospect area is comprised of several historical copper showings including the Jay 2 and LL prospects that cover an area

approximately two kilometres by two kilometres in dimension. Showings include cat trenches, blast pits and an inclined shaft dating from around the 1950's or earlier. Initial sampling by the Company in 2008 returned positive results and in 2010, additional mineralization was located and sampled.

These samples are comprised of widely spaced mineralized shear zones. Sample 5279978 (2.82% copper, 10.4 g/t silver, 0.12 g/t gold) was obtained from an historical inclined shaft dump (Jay2 prospect) estimated at approximately 5,000 cubic metres. Other samples obtained by the Company in the Fir area have returned from 0.32% up to 1.20% copper in grab samples, and a grab sample of an historical trench returned 0.70% copper over 10.0 metres. At the LL prospect located approximately 1.5 kilometres to the northeast, chip samples returned 0.40% copper over 6.0 metres and mineralization remains open in extent.

The results from the limited exploration performed to date on a portion of a 90 square kilometre property are thought to be encouraging and prospective for porphyry copper deposits. It is recommended that further exploration consist of stream sediment and soil geochemical surveys, geological mapping, induced polarization and magnetic geophysical surveys, trenching and drilling.

Respectfully Submitted,

"Sassan Liaghat"

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Sassan Liaghat

"David Blann"

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David Blann, P.Eng.

1. Statement of Costs

Company/ Person	Description / Name	Days	Rate	Total
Wages				
Dan Meldrum, Geologist	Geology	4.00	$ 350.00	$ 1,400.00
David Blann, P.Eng.	Geology/Supervision	9.00	$ 500.00	$ 4,500.00
S.J.V. Consultants Ltd.	Map preparations	3.00	$ 150.00	$ 450.00
Ken McDonald, P.Geo	Geological mapping	15.50	$ 650.00	$ 10,075.00
Trevor Ridley	Core splitting Field tech	7.50	$ 200.00	$ 1,500.00
Hendex Exploration Services Ltd.	Core splitting	7.00	$ 315.00	$ 2,205.00
Sassan Liaghat, PhD	Senior Geologist	56.00	$ 389.88	$ 21,833.00
	Total (Man Days)	102.00	$ 411.40	$ 41,963.00
Room and Board Costs				$ 11,860.54
Transportation				$ 2,606.53
Shipping				$ 479.32
Assays				$ 9,309.17
Glen's Drilling Ltd.	Drilling for HOLE NO. WV-1,WV-2,WV-3			$ 77,351.41
Ikan Industrial Supply	Water Hauling for Glen's drilling Ltd			$ 5,350.00
Supplies & Equipment- includes 40 ft sea-can delivered for core storage				$ 11,787.26
Laboratory sample disposal				$ 350.00
Assessment Report				$ 3,500.00
			Subtotal Total	$ 164,557.23
			10% Management/ Overhead	$ 16,455.72
			total	$ 181,012.95

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Willars, Jack G., P.Eng. (1972). Report on the Geological Survey and Diamond Drilling on the Property of Chataway Explorations Co. Ltd., for International Mogul Mines Limited, AR04050

3. Statement of Qualifications

I, David E. Blann, P.Eng., of Squamish, British Columbia, do hereby certify:

That I am a Professional Engineer registered in the Province of British Columbia since 1990.

That I am a graduate in Geological Engineering from the Montana College of Mineral Science and Technology, Butte, Montana, 1987.

That I am a graduate in Mining Engineering Technology from the B.C. Institute of Technology, 1984.

That I have been actively engaged in the mining and mineral exploration industry since 1984.

Dated in Vancouver, B.C., February 3, 2011

"David Blann"

_____

David E Blann, P.Eng.

I, Sassan Liaghat, Ph.D, Coquitlam, British Columbia, do hereby certify:

That I am a senior geologist with an office at #460 - 789 West Pender Street, Vancouver, BC, V6C 1H2

That I am graduate from the Ecole Polythechnique of Montreal with a Ph. D of Engineering degree in Economic Geology in 1992.

That I am a graduate in Mineral and Exploration Diploma Program (MINEX) in 1988, and in Master of Science, Economic Geology program in 1989 from McGill University.

That since 1992, I have been involved in research, teaching and mineral exploration activities for base and precious metals. I have conducted this work in different mineralization regions in Canada.

That I have been actively engaged in the mining and mineral exploration industries in British Columbia since 2006.

That I partly manage the 2009, 2010 exploration programs on the Rateria and West Valley properties.

That I am the author or co-author of more than 70 international scientific papers or local reports

That I have been granted Share options of Happy Creek Minerals Ltd.

Dated in Vancouver, B.C., February 7, 2011

"Sassan Liaghat"

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Sassan Liaghat Ph.D.

Tables

Table 1:

Mineral Tenure

Claim #	Claim Name	Good to Date	Area (Ha)
532667	COPPER 10	2012/Dec/31	82.49
544901	COPPER B	2012/Dec/31	20.59
544902	COPPER C	2012/Dec/31	20.59
544903	COPPER D	2012/Dec/31	20.59
544905	COPPER F	2012/Dec/31	20.61
566312	COPPER 8	2012/Dec/31	535.96
568146	NEW COPPER 1	2012/Dec/31	473.74
568147	NEW COPPER 3	2012/Dec/31	494.35
568148	NEW COPPER 3	2012/Dec/31	721.18
568149	NEW COPPER 4	2012/Dec/31	1,030.45
570358	NEW COPPER 5	2012/Dec/31	20.63
570359	NEW COPPER 6	2012/Dec/31	20.63
570360	NEW COPPER 7	2012/Dec/31	61.8
582066	HIGHLAND VALLEY	2012/Dec/31	433.24
587379	COPPER 11	2012/Dec/31	20.62
587380	COPPER 12	2012/Dec/31	206.24
587382		2012/Dec/31	41.24
587383		2012/Dec/31	20.62
587384		2012/Dec/31	61.87
587385		2012/Dec/31	61.87
587386		2012/Dec/31	20.62
587387		2012/Dec/31	41.24
587388		2012/Dec/31	82.51
587389		2012/Dec/31	20.63
587390		2012/Dec/31	20.63
589580	COPPER IB	2012/Dec/31	412.76
589581	COPPER IA	2012/Dec/31	392.04
589723	COPPER GA	2012/Dec/31	495.18
589725	COPPER GB	2012/Dec/31	268.17
589726	COPPER GC	2012/Dec/31	41.25
589728	COPPER GD	2012/Dec/31	20.63

Claim #	Claim Name	Good to Date	Area (Ha)
589892		2012/Dec/31	20.64
589893		2012/Dec/31	247.61
589896		2012/Dec/31	20.63
589897	COPPER H B	2012/Dec/31	330.25
589898		2012/Dec/31	20.64
589900	COPPER H C	2012/Dec/31	144.47
589901		2012/Dec/31	20.63
589902		2012/Dec/31	20.64
590283	COPPER GC	2012/Dec/31	20.63
590284	COPPER GD	2012/Dec/31	41.25
590285	COPPER GE	2012/Dec/31	41.27
590286	COPPER HC	2012/Dec/31	41.28
590287	COPPER HD	2012/Dec/31	20.64
590949	COPPER 7A	2012/Dec/31	453.57
590952	COPPER 7B	2012/Dec/31	515.6
590953	COPPER 7C	2012/Dec/31	20.61
664743	Nord West	2010/nov/04	370.86
664864	WV-SW	2010/nov/04	515.57
665383	WV-SW2	2010/nov/05	515.59
		Total	8866.52

Table 2:

Exploration History

Year	Exploration Work
1956	McPhar Geophysics 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 0.9m of 1.87% Cu & 0.9m of 1.29% Cu. DDH 5 intersected 1.07m of 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.
2008	Happy Creek Minerals conducted a stream silt and rock sampling program, Copper values in rock ranged from 19.8 ppm to 37,500 ppm (3.75%). Results from the stream sediment sampling program showed a high background for copper with values ranging from 38.5ppm to 497.1 ppm.
2009	During the period 2009 Aug 10th to 26th and 2009 October 6th to 13th two rounds of mapping were performed During this mapping additional mineralization was observed between NTP and the PIM showings. This area is underlain by an IP anomaly. During the period 2009 September 26 to October 10 crews ran 22km of Magnetic using a GEM Systems GSM-19 magnetometer and 3D Induced Polarization (3DIP). The magnetic survey suggests NW-SE trending structures. These features coincide well with the orientation of the various phases of the Batholith on the regional geology maps. These anomalies coincide with several known showings.

Table 3.

2010 Diamond Drill Hole Collars

Hole ID	Easting*	Northing*	Length (m)	Azimuth	Dip	Elev (m)	Start day	Finish day
WV10-01	634565	5584100	264.26	90	-60	1610	12-Jul	16-Jul
WV10-02	634500	5584600	285.6	90	-60	1530	18-Jul	22-Jul
WV10-03	635080	5583700	191.11	90	-55	1648	23-Jul	26-Jul
TOTAL			740.97					

*Datum: NAD 83. UTM Zone 10, holes logged by Sassan Liaghat

Table 4:

Significant 2010 Drill Hole Intersections

Hole	From (m)	To (m)	Length (m)	Cu(ppm)	Ag (ppm)
WV10-01	190	264.26	74.26	403.3	0.5
including	190	207.5	17.5	540.4	0.24
including	245	252.5	7.5	514.5	0.15
WV10-02	185	242.5	52.5	428.3	0.14
including	212.5	237.5	25	470.7	0.14
WV10-03	120	135	15	700.6	0.2

Table 5:

Assays from 2010 Prospecting Program

Waypoint	Easting	Northing	Ag (ppm)	Cu%)
124	636171	5575496	0.08	0.02
125-1	636166	5575493	0.17	0.03
125-2	636167	5575494	0.84	0.40
125-3	636168	5575495	0.4	0.20
125-4	636169	5575496	0.23	0.08
125-5	636170	5575497	0.35	0.11
125-6	636171	5575498	0.07	0.02
163	636399	5575286	0.15	0.91
169	636275	5575310	1.39	1.22
210	636474	5575101	0.52	0.35
213	636471	5575084	0.21	0.34
214	636471	5575090	0.16	0.28
215	636477	5575084	0.56	0.75
218	636462	5575101	0.65	0.73
219	636457	5575093	0.97	0.54
233	636573	5575070	0.54	0.39
286	637844	5575382	0.08	0.02
273	637965	5575676	0.81	1.07
274	637974	5575683	10.4	2.82

Datum: NAD 83, UTM Zone 10

Table 6

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
I	636810	5577426	1488.7																	
II	636744	5577267	1492.8																	
III	636487	5576074	1510.1																	
IV	636442	5576000	1457.2																	
45	636393	5575908	1471.4	boulders	sub-angular	2m by 3m	pale pinkish gry	quartz diorite	Qzd	f.g.	phaneritic	equigranular	subhedral	wk lineation	chl, epi	vwk - wk, patchy	ppy			
46	636416	5575901	1470.7	boulders & felsenmeer	sub-angular to sub-rounded	1m by 2m	pale gry w/ pale orange oxide rim	granodiorite & diorite	Gd, Dio	f.g. - m.g.	phaneritic	equigranular	subhedral		chl, epi	vwk - wk	ppy			
47	636495	5575915	1467.8	boulders	sub-angular		pale gry w/ pale orange oxide rim	monzodiorite	Mzd	f.g. - c.g.	phaneritic				epi ± chl	wk	ppy			
48	636554	5575927	1468.3															fault?		
49	636590	5575893	1474.5	boulders	sub-angular		pale khaki grn	feldspar porphyry dyke	Fxp	m.g.	aphanitic	wkly porphyritic	anhedral							
50	636740	5575878	1508.9	subcrop			pistachio pale grn; variegated salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	epi, chl	wk-mod; patchy wk	ppy	jointing		
51	636689	5575847	1510.6	subcrop		15m by 20m	pistachio pale grn; variegated salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	epi, chl	wk-mod; patchy wk	ppy	joint sets	051º/82º NW	160º/43º NE
52	636778	5575845	1531.0	subcrop & large boulders	sub-angular		salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		chl, epi	vwk	ppy			
53	636854	5575819	1542.1	subcrop			salt & pepper	diorite	Dio	f.g.	phaneritic	equigranular	subhedral		chl, epi	wk, vwk	ppy			
54	636864	5575801	1542.6	subcrops & large boulders	sub-angular	10m by 25m	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	wkly porphyritic	subhedral	wk lineation	chl ± epi	vwk	ppy	jointing	040º/86º NW	
55	636880	5575780	1543.3	subcrop			salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	wkly porphyritic	subhedral	wk lineation	chl ± epi	vwk	ppy	veinlets	051º/88º NW	
56	637008	5575821	1531.7	subcrop & boulders	angular		salt & pepper	quartz diorite	Qzd	m.g.	phaneritic	wkly porphyritic	subhedral		chl, epi	vwk	ppy			
57	637018	5575832	1534.6	subcrop		10m by 15m	pale gry-blk & wht	diorite	Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	chl ± epi; lim	vwk; local strong	ppy, oxi			
58	637046	5575850	1537.0	subcrop		5m by 10m		diorite	Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	ser	vwk	ser	lineation	118º/65º NE	
59	637055	5575927	1532.5	boulders	sub-angular			quartz diorite	Qzd	m.g. - c.g.										
60	637071	5575948	1530.5	boulders	sub-rounded	15m by 25m		diorite	Dio	m.g. - c.g.					chl ± epi	vwk	ppy			
61	637190	5575874	1522.4	boulders	sub-angular to sub-rounded	25m by 35m		quartz diorite, diorite, monzodiorite	Qzd, Dio w/ Mzd	f.g. - c.g.					chl ± epi	vwk	ppy			
62	637267	5575867	1496.9	boulders	sub-angular to sub-rounded	Tree bole		diorite	Dio						epi, chl, ser	wk-mod; patchy wk	ppy, ser			
63	637427	5575933	1457.7																	
64	637567	5575895	1427.4	subcrop		2m by 3m	pale gry-blk & wht	diorite	Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	ser	vwk	ser			

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
65	637731	5575892	1366.1	outcrop		15m by 25m	salt & pepper	diorite	Dio	c.g.	phaneritic	wkly porphyritic	subhedral	wk lineation	ser, epi	vwk	ppy, ser	jointing	015º/70º NW	
66	637769	5575894	1330.3	scree	sub-angular	25m by 65m	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	wkly porphyritic	subhedral	wk lineation	chl ± epi, ser, tr kspar	vwk, patchy	ppy, ser, pot	joint sets	110º/48º NE	048º/70º NW
67	637765	5575934	1356.8	outcrop		75m by 175m	salt & pepper	diorite	Dio	f.g. - c.g.	phaneritic	wkly porphyritic	subhedral	wk lineation	chl ± epi, ser, tr kspar	vwk, patchy	ppy, ser, pot	joint sets	110º/40º NE	160º/72º NE
68	637750	5575657	1357.7	boulders	sub-angular to sub-rounded	5m by 10m	salt & pepper	diorite	Dio						chl ± epi	vwk	ppy			
69	637615	5575704	1406.8	boulders	sub-angular to sub-rounded	5m by 5m		diorite	Dio	f.g.					epi	vwk	ppy			
70	637564	5575708	1420.0	boulders	sub-angular to sub-rounded	5m by 5m		diorite, qtz monzonite	Dio, Qmz	f.g.; c.g.	phaneritic	porphyritic								
71	637548	5575696	1423.6	boulders	sub-angular		drk grn	feldspar porphyry dyke	Fxp	c.g.	aphanitic	wkly porphyritic	anhedral							
72	637345	5575711	1487.5	outcrop & boulders	angular	5m by 10m by 3m high	salt & pepper	diorite	Dio	m.g. - c.g.					chl ± epi	vwk, patchy	ppy	joint sets	015º/60º NW	310º/28º SW
73	637324	5575601	1495.9	outcrop		10m by 15m by 3m high	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		epi, ser	vwk, local	ppy, ser	joint sets	230º/60º SE	310º/62º SW
74	637302	5575608	1503.4	outcrop		3m by 10m by 2m high	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		chl ± epi	vwk-wk	ppy	joint sets	015º/62º NW	
75	637281	5575620	1506.7	outcrop		5m by 15m	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		chl ± epi	vwk-wk	ppy			
76	637266	5575646	1511.1	outcrop		5m by 5m	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		chl ± epi	vwk-wk	ppy			
77	637249	5575675	1514.9	outcrop		5m by 5m	salt & pepper	diorite passing to quartz diorite	Dio - Qzd	f.g. - m.g.	phaneritic	equigranular	subhedral					jointing	100º/90º	
78	637229	5575698	1519.2	outcrop		3m by 8m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		epi	wk	ppy			
79	637214	5575720	1524.8	outcrop		5m by 15m by 2m high	salt & pepper	quartz diorite	Qzd		phaneritic	equigranular	subhedral		epi, ser	vwk, local	ppy, ser			
80	637195	5575743	1531.5	outcrop		10m by 20m by 2m high	salt & pepper	quartz diorite	Qzd		phaneritic	equigranular	subhedral							
81	637145	5575765	1536.5	outcrop		10m by 15m by 1m high	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi, ser, tr kspar	vwk, patchy	ppy, ser, pot			
82	637088	5575769	1531.0	subcrop		2m by 7m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi	vwk-wk	ppy			
83	637033	5575757	1529.6	subcrop		5m by 8m	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		chl ± epi	vwk-wk	ppy			
84	636831	5575772	1546.9	outcrop		20m by 30m by 8m high	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		chl ± epi	vwk-wk	ppy	shearing; joint sets	110º/60º NE	038º/70º NW
85	636841	5575697	1528.6	subcrop		5m by 8m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		epi	wk	ppy			
86	636500	5575643	1461.8	boulder	sub-rounded			qtz monzonite	Qmz	c.g.	phaneritic	porphyritic								
87	636436	5575648	1453.9	boulder	sub-angular		gry	andesite	And		aphanitic	vesicular								
88	636408	5575640	1447.9	boulders	sub-rounded		variable	qtz monzonite; diorite	Qmz; Dio	c.g.; m.g.	phaneritic	porphyritic								

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
89	636351	5575624	1436.3	boulder	sub-rounded		pale brn-gry	mafic dyke	Mfd	f.g.	aphanitic									
90	636307	5575630	1430.6	boulders	sub-angular		black	diorite porphyry	Dpy	c.g.	phaneritic	porphyritic			chl	wk	ppy			
91	636287	5575627	1429.6	trail																
92	636249	5575664	1428.4	outcrop		3m by 8m	salt & pepper	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		epi	wk; patchy	ppy			
93	636210	5575657	1420.0	trail																
94	636185	5575650	1416.4	trail																
95	636123	5575678	1415.4	boulder	sub-angular		pale brn-gry	mafic dyke	Mfd	f.g.	aphanitic									
96	636084	5575676	1406.8	boulders	sub-angular to sub-rounded	10m by 25m	grey; variable	andesite; monzodiorite; qtz	And; Mzd; Qmz	variable	variable									
97	636064	5575676	1401.2	boulders	sub-angular to sub-rounded		variable	plag phyric mafic dyke; diorite, felsic	Mfd; Dio; Fsd	variable	variable									
98	636046	5575673	1397.4	trail																
99	635997	5575690	1389.9	trail																
100	636003	5575662	1383.9	boulders	sub-angular to sub-rounded	10m by 25m	variable	diorite, andesite, plag phyric	Dio; And; Mfd	variable	variable									
101	636016	5575592	1367.1	boulders	sub-angular to sub-rounded	10m by 25m	variable	diorite, andesite, plag phyric	Dio; And; Mfd	variable	variable									
102	636031	5575547	1353.9	outcrop		3m by 8m	pale gry-grn	plag phyric mafic dyke	Mfd		aphanitic	porphyritic								
103	636007	5575536	1343.3	trail																
104	636058	5575502	1328.7	trail																
105	636059	5575507	1328.7	outcrop		trail cutslope	pale gry-grn	diorite	Dio	m.g. - c.g.	phaneritic	equigranular	subhedral		bch, epi, chl, cly	pervasive wk-mod; local strong	ppy; arg; oxi	shearing	110º/88º NE	
106	636066	5575506	1326.7	outcrop		trail cutslope	pale khaki grn; pale gry-grn	plag phyric mafic dyke; diorite	Mfd; Dio	variable	variable				bch, epi, chl, cly	pervasive wk-mod; local strong	ppy; arg; oxi	shearing; joint sets	140º/40º NE	220º/80º NW
107	636084	5575507	1324.6	outcrop		trail cutslope	gry-blk; buff-or-gry; pale gry-grn	mafic dyke, felsic dyke; diorite	Fld; Mfd; Dio	variable	variable				bch, epi, chl, cly	pervasive wk-mod; local strong	ppy; arg; oxi	shearing	110º/72º NE	
108	636108	5575499	1325.5	outcrop		trail cutslope	pale khaki grn; pale gry-grn	plag phyric mafic dyke; diorite	Mfd; Dio	variable	variable				bch, epi, chl, cly	pervasive wk-mod; local strong	ppy; arg; oxi	shearing		
109	636112	5575499	1326.3	outcrop		trail cutslope	blue gry; pale gry-grn; tan	mafic dyke; diorite	Mfd; Dio	variable	variable				bch, epi, chl, cc, cly	pervasive wk-mod; local strong	ppy; arg; carb; oxi	shearing		
110	636177	5575496	1334.2	outcrop		trail cutslope	pale khaki grn; pale gry-grn	plag phyric mafic dyke; diorite	Mfd; Dio	variable	variable				bch, epi, chl, cly	pervasive wk-mod; local strong	ppy; arg; oxi	shearing	150º/85º NE	
111	635870	5575775	1371.2	trail junction																

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
112	636174	5575860	1427.7	trail																
113	636211	5575868	1439.9	outcrop		5m by 15m by 2m high	salt & pepper	diorite - qtz diorite	Dio-Qzd	m.g. - c.g.	phaneritic	equigranular	subhedral		epi	vwk	ppy			
114	636248	5575866	1443.3	trail																
115	636317	5575775	1459.9	outcrop, subcrop, boulders	sub-angular	15m by 25m by 0.5m high	salt & pepper; khaki grn	diorite; plag phyric mafic dyke	Dio; Mfd	variable	variable				epi, ser, mal	vwk, local strong	ppy, ser, oxi			
116	636250	5575762	1443.3	outcrop		5m by 15m	pale salt & pepper	diorite	Dio	c.g.	phaneritic	equigranular	subhedral		epi	vwk	ppy			
117	636215	5575753	1432.5	trail																
118	636180	5575761	1426.2	trail																
119	635961	5575719	1385.6	trail																
120	636204	5575513	1341.9	scree	angular	>100m down creek	pale salt & pepper	diorite	Dio	m.g.					epi	vwk	ppy			
121	636173	5575497	1340.7	outcrop		trail cutslope	pale khaki grn; pale gry-grn	plag phyric mafic dyke, felsic dyke; diorite	Fld; Mfd; Dio	variable	variable				bch, epi, chl, cly	pervasive wk-mod; local strong	ppy, ser, oxi			
122	636176	5575500	1343.1	outcrop		trail cutslope	pale khaki grn; pale gry-grn	plag phyric mafic dyke, diorite	Mfd; Dio	variable	variable	porphyritic		wk lineation	chl ± epi	vwk-wk	ppy	shearing	140º/75ºNE	
123	636171	5575491	1342.6	outcrop		trail cutslope	pale gry-grn	diorite	Dio	m.g. - c.g.	phaneritic	porphyritic	subhedral		epi-kspar-qtz	wk; locally strong	ppy, pot, sil	shearing; veinlets		050º/80ºNW
124	636171	5575496	1340.7	outcrop		trail cutslope	Pale pink-wht-orange	veinlet	Vlt						epi-kspar-qtz	local strong	ppy, pot, sil	shearing; veinlets	185º/72º SE	
125	636165	5575492	1341.4	outcrop		trail cutslope	Pale grn-wht-gry	diorite	Dio	variable	variable				epi-chl-carb-ser-cly; mal-hem-lim-qtz	pervasive mod; local strong to int.	ppy; phy; carb; arg; oxi	shearing; veinlets		
126	636159	5575501	1337.3	outcrop		trail cutslope	pale gry-grn	plag phyric mafic dyke	Mfd		aphanitic	porphyritic						contact; jointing	155º/80ºNE	260º/40ºSW

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
127	636129	5575496	1328.4	outcrop		trail cutslope	buff-orange	plag phyric felsic dyke	Fld		aphanitic	porphyritic			lim-arag	pervasive strong	oxi-carb			
128	636299	5575620	1419.7	trail																
129	636259	5575547	1387.1	outcrop & blocky talus	angular	25m by 50m	pale salt & pepper	qtz diorite	Qzd	m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser			
130	636350	5575519	1412.8	trail																
131	636636	5575504	1480.8	boulder	sub-angular		dark gry-blk	mafic dyke	Mfd	v.f.g.	aphanitic	wk porphyritic								
132	636654	5575520	1486.8	subcrop		3m by 5m	pale gry-grn	diorite	Dio	v.f.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser			
133	636720	5575513	1501.0	outcrop & subcrop		20m by 25m by 0.5m	pale salt & pepper	diorite	Dio	f.g.-m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser	joint sets	340º/80º SW	030º/78º NW
134	636780	5575530	1502.4	outcrop & subcrop		5m by 10m	salt & pepper & local pale pistachio grn	qtz diorite	Qzd	f.g.	phaneritic	equigranular	subhedral		epi ± chl ± ser	vwk-wk; local strong	ppy, ser	fault?; joint sets	150º	330º/85º SW
135	636841	5575533	1514.4	outcrop & subcrop		25m by 40m by 0.5m	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi	vwk-wk	ppy	jointing; shear	005º/72º NW	035º/90º
136	636910	5575510	1513.0	subcrop		small	pale grn-gry	diorite	Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi; local ser	wk-mod	ppy, ser			
137	636968	5575479	1508.4	subcrop		small	salt & pepper	qtz diorite	Qzd	m.g.	phaneritic	equigranular	subhedral		chl-epi	vwk	ppy	joint sets	028º/82º SW	165º/90º
138	637204	5575555	1504.6	subcrop		3m by 5m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	vwk; local mod	ppy			
139	637302	5575569	1496.4	outcrop & subcrop		25m by 50m by 3m high	salt & pepper	qtz diorite - diorite	Qzd-Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser	jointing	185º/65º SE	
140	637720	5575465	1353.7	outcrop		2m by 5m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser			
141	637765	5575469	1328.9	trail																
142	637774	5575437	1323.9	trail																
143	637944	5575444	1246.2	subcrop		trench	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		epi ± chl ± ser; kspar	vwk-wk; local strong	ppy, ser, pot			
144	637963	5575454	1237.6	subcrop		trench	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		epi-chl-ser-qtz; kspar	wk; local strong	ppy, phy, pot	jointing	230º/72º SE	
145	637982	5575463	1226.0	subcrop		trench	orange-gry-wht	shear/gouge	Shr/Gg						chl-cly	int	ppy; arg	shear/fault	?	
146	638007	5575467	1224.4	subcrop		trench														
147	638015	5575457	1218.1	trail																
148	638018	5575429	1214.0	trail junction																
149	637943	5575424	1239.3	trench		trench														

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
150	637849	5575366	1263.3	trench		trench														
151	637807	5575304	1285.2	trail/trench		trench														
152	637680	5575345	1354.4	outcrop		5m by 10m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser			
153	637624	5575292	1377.2	outcrop		5m by 10m by 2m high	salt & pepper	qtz diorite - diorite	Qzd-Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	chl, epi	vwk	ppy			
154	637312	5575307	1451.7	outcrop		2m by 3m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser			
155	637266	5575303	1455.1	subcrop		15m by 25m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser			
156	637081	5575272	1468.5	subcrop & boulders	sub-angular	1m by 2m	salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl ± epi ± ser	vwk-wk	ppy, ser			
157	636744	5575238	1460.4	outcrop		1m by 15m	salt & pepper	qtz diorite - diorite	Qzd-Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	chl, epi	vwk	ppy			
158	636703	5575239	1459.4	outcrop		10m by 15m by 3m high	pale grn-grn	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral	wk lineation	chl ± epi ± ser	vwk-wk; local strong	ppy, ser	joint sets	232º/72º SE	140º/85º NE
159	636481	5575295	1418.5	trail																
160	636440	5575292	1409.2	trail																
161	636402	5575262	1390.2	subcrop		trench	drk gry-grn	mafic dyke; diorite	Mfd, Dio	variable	variable				epi-chl-carb-ser-qtz	pervasive mod; local strong to int.	ppy; phy; carb	contact; local shearing; veinlets	120º/88º NE	
162	636401	5575272	1390.9	subcrop		trench	drk gry-grn	mafic dyke; diorite	Mfd, Dio	variable	variable				epi-chl-carb-ser-qtz	pervasive mod; local strong to int.	ppy; phy; carb	contact; local shearing	005º/85º SE	
163	636399	5575286	1391.1	subcrop		trench	drk gry-grn; khaki grn	qtz diorite - diorite; plag phyric mafic dyke	Qzd-Dio; Mfd	variable	variable				chl; epi; ser, lim; cly, qtz	pervasive wk to local strong	ppy, phy, arg, oxi	veinlet; contact; shearing	155º/50NEº	305º/82ºSW
164	636325	5575303	1373.1	outcrop, subcrop & felsenmeer	angular	25m by 45m	khaki grn-gry	plag phyric dyke	Mfd		aphanitic	porphyritic								
165	636302	5575310	1369.0	subcrop, felsenmeer	angular		pale gry-grn-wht	diorite	Dio	c.g.	phaneritic	equigranular	subhedral		blh; lim, epi-chl	pervasive wk to local strong	ppy, oxi			
166	636302	5575309	1367.8	subcrop, felsenmeer	angular		pale to drk forest grn	dyke	Dyk		aphanitic				chl-epi	strong to int	ppy			
167	636288	5575315	1367.8	subcrop, felsenmeer	angular		gry grn; khaki green	diorite; plag phyric mafic dyke	Dio; Mfd	variable	variable				blh, lim, chl-epi	strong to int	ppy, oxi			
168	636285	5575321	1368.8	outcrop & subcrop & scree	angular	15m by 15m	gry-grn	plag phyric dyke	Dyk		aphanitic	porphyritic			epi-chl	pervasive wk	ppy			
169	636275	5575310	1357.3	outcrop & subcrop & scree	angular		pale gry-grn, pale khaki-orange green	diorite; plag phyric dyke	Dio; Dyk	variable	variable				blh, lim, chl-epi, sil	pervasive mod to strong; local int	ppy, sil, oxi	shearing; fracs	310º/80ºSW	210º/78ºSE

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
170	636257	5575303	1347.9	outcrop & subcrop & scree	angular	10m by 15m	pale gry-grn, pale brn-khaki-green	diorite; plag phyric dyke	Dio; Dyk	variable	variable				chl, bio	pervasive mod to strong	ppy, hfls	contact	120º/75ºNE	
171	636234	5575296	1346.9	subcrop		5m by 10m	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		epi-chl	pervasive mod to local int	ppy			
172	636177	5575291	1336.3	outcrop & scree	angular		pale brn-khaki grn	plag phyric dyke	Dyk		aphanitic	porphyritic			bio	pervasive	hfls			
173	636097	5575295	1298.4	outcrop			pale gry-grn	diorite	Dio	m.g.-c.g.	phaneritic	equigranular	subhedral		epi-chl	pervasive wk; local mod				
174	636136	5575168	1267.9	outcrop			gry grn; khaki green	diorite; plag phyric dyke	Dio; Dyk	variable	variable				chl	pervasive mod-strong	ppy			
175	636172	5575151	1258.7	outcrop		5m by 10m by 15m high	pale gry-grn	diorite	Dio	m.g.-c.g.	phaneritic	equigranular	subhedral	wk lineation	chl ± epi ± ser	vwk-wk; local strong	ppy, ser	jointing	320º/82ºSW	
176	636325	5575133	1318.8	subcrop			pale gry-grn	mafic dyke	Mfd	v.f.g.	aphanitic	porphyritic			chl	pervasive wk-mod	ppy			
177	636346	5575133	1330.8	trail																
179	636349	5575150	1326.7	drill pad																
180	636449	5575032	1359.9	trail junction																
181	636443	5575081	1367.8	trail junction																
182	636440	5575133	1378.9	trail junction																
183	636290	5575628	1416.6	trail																
184	636215	5575667	1413.0	trail																
185	636477	5575130	1394.3	trail																
186	636482	5575143	1399.8	trench																
187	636462	5575116	1389.2	trench																
188	636473	5575088	1388.7	trench																
189	636464	5575120	1391.9	trench																
190	636458	5575105	1386.1	trench																
191	636461	5575095	1387.5	trench																
192	636470	5575084	1388.7	trench																
193	636600	5575056	1414.9	trench																
194	636601	5575080	1422.9	trench																

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
195	636525	5575082	1412.1	trench																
196	636582	5575131	1427.0	trench																
197	636543	5575146	1423.8	trench																
198	636563	5575114	1424.5	trench																
199	636517	5575106	1414.9	trench																
200	636511	5575126	1412.3	trench																
201	636563	5575117	1425.5	trench																
202	636562	5575108	1424.5	trench																
203	636520	5575101	1415.2	trench																
204	636482	5575118	1401.2	subcrop		TR-1	Rusty-orange & pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi; lim, qtz	pervasive mod; locally strong	ppy, sil, oxi	shearing	330º/88ºSW	
205	636480	5575121	1400.5	subcrop		TR-1	Pale gry-grn-blk	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi; lim, qtz	pervasive wk-mod; local strong	ppy, sil, oxi	epi stringers	270º/62ºS	
206	636472	5575105	1401.5	subcrop		small	Pale brn-grn	Plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			lim; bio?	pervasive wk; local strong	oxi, hfls?	jointing	130º/82ºNE	
207	636481	5575110	1402.2	subcrop		small	Pale grn-blue-blk	mafic dyke	Mfd	v.f.g	aphanitic	porphyritic			chl	pervasive wk to mod	ppy			
208	636461	5575101	1394.3	subcrop		small	Pale salt & pepper	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk	ppy	epi stringers	230º/85ºSE	
209	636469	5575101	1396.4	subcrop		small	Pale brn-grn	Plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			lim; bio?	pervasive wk; local strong	oxi, hfls?			
210	636474	5575101	1395.2	subcrop		small	Rusty-orange & pale gry-grn	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi; lim, mal, hem, qtz	pervasive wk-mod; local strong	ppy, sil, oxi	jointing	240º/75ºSE	
211	636478	5575098	1396.7	subcrop		small	Rusty-orange & pale gry-grn	Plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			lim-hem	pervasive; local strong	oxi			
212	636474	5575092	1393.5	subcrop		small	Gry-grn; khaki green	diorite; plag phyric mafic dyke	Dio; Mfd	variable	variable				chl-epi; lim; ser; qtz	pervasive wk-mod; local strong	ppy, phy, oxi	shearing; contact, jointing	330º/70ºSW	330º/70ºSW
213	636471	5575084	1387.3	subcrop		small	Pale salt & pepper	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi; lim, mal	pervasive wk; locally strong	ppy, oxi	joint sets	230º/80ºSE	140º/75ºSW
214	636471	5575090	1388.3	subcrop		small	Pale salt & pepper	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi; qtz; lim-hem-mal	pervasive wk-mod; locally strong	ppy, sil, oxi	joint sets	340º/85ºSW	220º/75ºSE
215	636477	5575084	1387.5	subcrop		small	Gry-grn-orange	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi; lim-hem-mal; qtz-py	pervasive wk-mod; locally strong-int	ppy, phy, oxi	joint sets	320º/80ºSW	140º/85ºNE
216	636588	5575133	1427.0	trench/trail																
217	636412	5575341	1407.2	trail junction																

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
218	636462	5575101	1381.5	subcrop		small	pale salt & pepper	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi; ser; qtz, py	pervasive wk-mod; local int	ppy, phy, oxi	qtz vein; joint sets	220º/85ºSE	220º/78ºSE
219	636457	5575093	1386.1	subcrop		small	pale salt & pepper	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi; ser; qtz, py	pervasive wk-mod; local int	ppy, phy, oxi	qtz vein	215º/85ºSE	
220	636479	5575075	1389.5	subcrop		small	pale salt & pepper	qtz diorite - diorite	Qzd-Dio	f.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy	jointing	352º/75ºSW	
221	636496	5575067	1394.7	subcrop		50m by 50m	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy			
222	636503	5575064	1396.7	subcrop		small	pistachio grn-pale gry	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		epi-chl	pervasive mod; local strong-int	ppy	joint sets	340º/80ºSW	220º/85ºSE
223	636509	5575063	1397.9	subcrop		small	pistachio grn-pale gry	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		epi-chl	pervasive mod; local strong-int	ppy			
224	636521	5575055	1398.4	subcrop		small	pale grn-khaki grn	Plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			epi-chl	pervasive mod	ppy			
225	636537	5575052	1402.9	subcrop		small	pale grn-khaki grn	Plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			epi-chl	pervasive wk	ppy			
226	636543	5575050	1402.2	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy	jointing	210º/85ºSE	
227	636557	5575050	1405.3	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy	jointing	230º/85ºSE	
228	636566	5575050	1406.8	subcrop		small	pale gry-grn	diorite	Dio	c.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive mod; local strong	ppy	shearing		
229	636582	5575051	1410.9	subcrop		small	drk gry-grn	mafic dyke; diorite	Mfd, Dio	variable	variable	porphyritic			chl-epi	pervasive mod; local strong	ppy	contact	320º/80ºSW	
230	636587	5575055	1410.9	subcrop		small	pale gry-grn	diorite	Dio	c.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive mod; local strong	ppy	shearing		
231	636591	5575074	1414.9	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk	ppy	epi stringers		
232	636572	5575070	1413.3	subcrop		small	pale salt & pepper	qtz diorite - diorite	Qzd-Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi; lim	pervasive wk	ppy; oxi			
233	636573	5575070	1412.3	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi; ser; qtz; lim; mal; sx, clv	pervasive wk; local strong-int	ppy, phy, oxi, arg	qtz vein	225º/70ºSE	
234	636554	5575066	1405.6	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi; qtz; lim; mal	pervasive wk; local strong-int	ppy, sil, oxi	qtz vein	220º/70ºSE	
235	636552	5575070	1404.4	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy			
236	636572	5575106	1414.9	subcrop		small	pale grn-khaki grn	plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			chl	pervasive wk	ppy			
237	636573	5575112	1415.7	subcrop		small	gry-blk	mafic dyke	Mfd	v.f.g	aphanitic	porphyritic			lim	pervasive strong	oxi			
238	636570	5575117	1416.6	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi; qtz; lim; mal	pervasive wk; local strong	ppy, sil, oxi	jointing	230º/60ºSE	
239	636557	5575114	1413.5	subcrop		small	pale grn-khaki grn	plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			chl	pervasive wk	ppy			
240	636552	5575098	1414.0	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy			
241	636557	5575116	1413.3	subcrop		small	pale grn-khaki grn	plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic								

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
242	636557	5575115	1414.2	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		blh; chl-epi	pervasive mod; local strong	ppy, oxi			
243	636569	5575119	1415.7	subcrop		small	pale grn-khaki grn	plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			blh; chl-epi	pervasive mod; local strong	ppy, oxi			
244	636573	5575132	1414.2	subcrop		small	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		blh; mal; chl-epi	pervasive mod; local strong	ppy, oxi			
245	636565	5575131	1413.0	subcrop		small	pale grn-khaki grn	plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic								
246	636597	5575162	1423.1	trench																
247	636567	5575174	1422.4	trench																
248	636922	5575022	1403.4	trail																
249	637197	5574942	1401.2	outcrop		small	pale gry-grn	diorite	Dio	m.g.-c.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy			
250	637249	5574953	1404.6	outcrop		15m by 30m	pale gry-grn	qtz diorite	Qzd	m.g.-c.g.	phaneritic	equigranular	subhedral		chl-epi; qtz-kspar	pervasive wk; local strong	ppy, sil; pot	stringers	140º	
251	637595	5575274	1385.4	boulders	sub-rounded	5m by 5m	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy			
252	637554	5575083	1354.9	boulders	sub-rounded	small	pale salt & pepper	qtz diorite	Qzd	m.g.-c.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy			
253	637777	5575117	1275.3	trail/trench																
254	637900	5575357	1243.1	subcrop		TR-12	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	chl-epi	pervasive wk	ppy			
255	637917	5575350	1238.8	subcrop		TR-12	pale salt & pepper	diorite	Dio	m.g.	phaneritic	equigranular	subhedral	wk lineation	chl-epi	pervasive wk	ppy			
256	637933	5575348	1233.7	trench		TR-12														
257	637937	5575312	1232.5	trail/trench																
258	637916	5575300	1238.8	trench		TR-13														
259	637959	5575310	1224.1	trench		TR-13														
260	637921	5575369	1240.5	trench		TR-14														
261	637988	5575354	1218.8	trench		TR-14														
262	637968	5575411	1230.4	trench		TR-15														
263	637953	5575414	1232.5	subcrop		TR-15	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		blh; chl-epi	pervasive mod-strong	ppy, oxi	jointing; shearing	340º/64ºSW	
264	637928	5575432	1248.1	subcrop		small	drk gry-grn	mafic dyke; diorite	Mfd, Dio	variable	variable				blh; chl-epi	pervasive mod-strong	ppy, oxi			
265	638015	5575437	1216.7	trail junction																

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assembl age	Structure	Orientation 1	Orientation 2
266	638068	5575478	1200.1	trench		TR-16														
267	638084	5575516	1197.0	trench		TR-16														
268	638113	5575518	1184.7	trail junction																
269	638099	5575541	1185.9	trail																
270	637996	5575566	1231.8	trail																
271	637987	5575643	1224.1	outcrop		small	pale grn-khaki grn	plag phyric dyke	Dyk	v.f.g	aphanitic	porphyritic			chl	pervasive strong	ppy			
272	637981	5575656	1225.8	subcrop		small	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		blh; chl-epi	pervasive mod-strong	ppy, oxi			
273	637965	5575676	1229.9	inclined shaft		7m by 9m	pale gry-grn; khaki grn	diorite; plag phyric dyke	Dio; Dyk	variable	variable				blh; chl-epi; ser; qtz; cc; lim, cly	pervasive wk to local int	ppy, phy, arg, carb; oxi	shearing; fault breccia; jointing	005º/72º NW	320º/72ºSW
274	637974	5575683	1228.4	ore dump		2m wide by 25m long														
275	637989	5575563	1233.2	trench		TR-17														
276	637950	5575637	1245.5	trench		TR-17														
277	637953	5575578	1251.3	trench		TR-18														
278	637991	5575566	1232.3	trench		TR-18														
279	638006	5575517	1219.5	trench		TR-19														
280	637978	5575501	1232.3	trench		TR-19														
281	637171	5575015	1432.5	outcrop		10m by 10m	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy	jointing		
282	637188	5574995	1427.9	outcrop		5m by 10m	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy	jointing	110º/85ºNE	
283	637622	5575293	1376.7	outcrop		small	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive wk; local strong	ppy			
284	637853	5575370	1268.3	trail/trench																
285	637839	5575388	1272.7	subcrop		small	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive mod; local strong	ppy	shearing	170º/80NEº	
286	637844	5575382	1276.0	subcrop		small	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		chl-epi	pervasive mod; local strong	ppy	shearing	130º/85NEº	

Table 6 continue

Way point	Easting	Northing	Elev	Type	Sphericity	Size	Color	Lithology	Rock Code	Grain Size	Texture	Grain Type	Crystal Form	Grain Orientation	Alteration	Intensity	Assemblage	Structure	Orientation 1	Orientation 2
287	637853	5575429	1285.2	trench		TR-20														
288	637934	5575450	1255.8	trench		TR-20														
289	637945	5575449	1250.6	subcrop		small	pale gry-grn	diorite	Dio	m.g.	phaneritic	equigranular	subhedral		blh; chl-epi; lim	pervasive mod; local strong	ppy, oxi			
290	637982	5575457	1234.0	trench		TR-20									blh; chl-epi; lim, cly, cc	strong - int.	ppy; arg, oxi	shearing		

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
I						
II						
III						
IV						
45					25% qtz; 25-30% mafics; typically hrnb laths & flaky bio	
46					boulders in root bowl	
47					coarse biotite books up to 2mm long axis; some boulders x-cut by mm scale chl-epi veinlets	
48					shallow persistent gulley across slope; possible fault trace trending 040º	
49					Vfg to aphanitic groundmass set w/ m.g. randomly oriented wht phenocrysts of plag as laths 1-2 mm long: <5% fine mafics; hrnb ± bio; felsite? Fspar dyke?	
50					5% qtz; 50% mafics; dom. hrnb laths; flaggy appearance caused by close-spaced joints @046º vertical; strong local chl alt on frac faces	
51	305º/46º SW	051º/82º NW			Same as waypoint #50; orthogonal jointing; 045-055º trend may mimic wk lineation; local pods where bio dom hrnb; tends to impart coarser grain size	
52					Mainly fresh; up to 65% hrnb; blocky, massive; few hairline qtz microveinlets	
53					5% qtz; hrnb dom mafics; accessory mag	
54					Large knoll with multiple stepped subcrops and boulder patches; pale grn cast to fspar phenocrysts; coarse bio phenocrysts; strong epi on frac faces & healed fracs	
55					Same general area & rock type as station 54; narrow mm-scale opaque qtz-chl veinlets; strong chl alt at veinlet selvage up to 30cm away	
56					25-30% qtz; dom bio mafics	
57					Pale grn cast to plag laths; local strong lim weathering on fracs	
58					Wk lineation may be wk deformation feature or primary	
59					Biotite dominant	
60					Tiny epidote veinlets in diorite; plus few angular pieces of f.g. khaki-olive grn plag-phyric felsic dyke (same as station 049)	
61					Sub-rounded boulders are more blched w/ wk rusty rims; typically biotite dominated; few felsic dyke pieces	
62						
63					Parallel ridge/gully features; may be craig and tail dumlinoid features; trending 130º	
64						

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
65					Minor epidote veinlets // to dip of joints	
66					On 70º scree slope beneath steep cliff; rock is generally fresh and blocky; epi coating stronger on open fracs; local kspar healed joints	
67	020º/70º NW				Cliff east of creek trace measures about 75m long by about 175m across with scree slope beneath from 15m wide to 100m long; mostly inaccessible; rapid grain size and mafic content changes noted in scree; also pieces of fresh, khaki green, angular, plag phyric felsic dyke	
68					Biotite dominant	
69						
70					Few large blocks of pale pink-white, fresh qtz monzonite w/ books of biotite up to 5mm long	
71					Large subhedral to euhedral white plag xstalls in gm; also large >15cm zenoliths	
72					Patchy strong epi on open frac faces	
73					Large bio books up to 2mm long; o/c is very blocky; narrow 50cm broken, fractured zone w/ narrow 1-2mm wide qtz monzonite dykelets @ 145º/vert	
74					Narrow // epi veinlets @090º/vert; broken frac zone 20cm wide w/ anastomosing/braided shears; offsets earlier 020º frac set up to (20cm displacements)	
75					3cm Qtz-fspar stringer at 180º/vert	
76					Mafics are bio dominant	
77					Qtz content increasing upsection; mafic volume & overall grain size decreasing	
78					Biotite dominant	
79					Series of small hogsback ridges upslope from station	
80					Minor felsic dyking	
81						
82						
83					Biotite dominant	
84	285º/85º SW	005º/88º NE	Tr mal-azu		Biotite phenocrysts up to 2mm long axis; massive blocky on top of mountain; rapid mafic volume changes from very mafic rich to local qtz diorite; accessory magnetite evident by magnet; generally hrnblnde dom; glacial striae @ 10-50º az; abundant tiny mm-scale qtz-chl-epi ribbons on polished surfaces; early set @ 045º/vert.; cross-cut by 170º/vert; narrow healed epi microshears @ 185º/85º SE w/ malachite and trace azurite	
85						
86						
87						
88						

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
89					Garnet-bearing mafic dyke	
90					Hornblende phenocrysts up to 6mm long axis	
91					Trending 300º	
92						
93					Trail intersection; main at 260º; overgrown trail at 320º	
94					Trail intersection; might be dozer trenching	
95					Almandine garnet-bearing mafic dyke	
96					Strong to intensely epi altered f.g. plag phyric mafic dyke amongst diorite and variations	
97			Minor py		Rusty aphanitic felsic dyke boulders w/ minor pyrite amongst plag phyric mafic dyke boulders and m.g. to c.g. diorite boulders	
98						
99						
100					Numerous sub-angular pieces of plag phyric mafic dyke; must be close to outcropping	
101						
102					Crowded plag phyric texture; plag phenocrysts up to 3mm long axis; locally very rusty tan-orange distinctive weathered appearance; slabby to blocky columnar look; broken and fractured; rough orientation is 020º az or sill at 120º/58º NE	
103					Probably lower trail on switchback down slope	
104					Near continuous small outcroppings along about 120m of cutslope of trail/trench across contour of hillslope: from station 105 to 110; and station 120 to 127; series of mafic dykes intruding altered and sheared diorite	
105					Bleached, friable scree below o/c; also broken, loose angular plag phyric mafic dyke above; strong epi + clay alt (kaolinite from chlorite?) on slickensided shears; shears are 1-2mm wide, close spaced over cm-scale; alt extends into wall rock up to 10-15cm from shears; strong epi + blching @ shear selvage in wall rock; sense of shearing across strike at 290º; series of // shears downslope but obscured by scree; pale pink cast may indicate vwk kspar alt	
106	280º/60º SW	130º/85º NE			Hangingwall plag phyric aphanitic mafic dyke overtop of footwall blched, chl-epi altered m.g. to c.g. diorite; contact is sharp, undulating & broken and roughly 140º/40º NE; dyke at contact is sheared w/ microplatey appearance and w/ weak epi alt of plag; rusty lim on open fracs.	
107					Another dyke/diorite contact; probably a parallel dyke to 106 station; appears higher than expected; might be fault offset; HW contact obscured under scree; FW contact w/ diorite is marked by intense yellow-pistachio grn clay over 15cm. Diorite is broken, friable, weakly clay altered w/ silica injections; plag phenocrysts are soft alabaster white (kaolinite?); lim weathering is pervasive and strong; unit appears very sheared // to dyke contact; dyke at contact is chilled w/ only small few plag phenocrysts	
108					HW contact between dyke and overlying blched, sheared and altered diorite; alteration extends over 2m in diorite from contact; contact is sharp, planar and undulating; thin 2cm chilled margin in dyke; orientation is unclear; might be 320º/80º SW	
109					Another type of dyke (mafic); 3.5m wide and aphanitic; no plag phenocrysts except over 15cm w/ tiny phenocrysts in chilled margin; sharp planar contact at 320º/72ºSW; slickensides oblique to dip w/ plunge at 045º; diorite is blched, sheared and intensely altered over several meters; 2mm thick white calcite coating on contact (strong fizz); dyke seems to be in contact with highly lim weathered buff felsic dyke but contact is obscured in scree (see station 127)	
110					Two narrow <2m wide plag phyric mafic dykes intruding altered, sheared and blched diorite; end of trail	
111						

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
112						
113					Bio dominant	
114						
115					Fairly fresh m.g. to c.g. diorite w/ pale green cast and local strong blching & ser alt w/ trace malachite on open weathered fracs; large felsenmeer of plag phyric dyke downslope (must o/c close-by)	
116					Minor epi veinlets	
117						
118						
119						
120					Talus blocks are mainly fresh diorite; outside of alteration/shearing further west	
121					Plag phyric aphanitic mafic dyke at sharp but irregular FW contact with blched and altered diorite. FW contact looks roughly 155º/vert. HW contact is obscured under talus but seems to be a >3m wide felsic dyke in proximity to contact; w/ 1-2mm plag laths in khaki grn aphanitic matrix w/ tiny black mafic inclusions; some w/ rusty limonite haloes (magnetite?); different from neighbour plag phyric dyke; unit is hard, well indurated, slabby and blocky; broken and fractured at surface; possibly hornfelsed; mod epi-chl alt. on open fracs. Intervening diorite between dyke 1 and dyke 2 is 1.35m and is sheared, friable at contact, w/ strong ser and mod chl-epi alt. Fspar and qtz grains have shattered appearance w/ shatter lines perpendicular to shear planes.	
122					Blocky, plag phyric aphanitic mafic dyke w/ plag phenocrysts up to 2mm long axis; sharp & planar HW contact at 140º/75ºNE. Also close-spaced frac set in dyke. Diorite at contact appears fairly fresh; w/ slight chilled margin in both units; and close-spaced fracs // to contact. Also weak foliation // to contact; dyke seems to have been emplaced along main structural lineament in diorite. FW contact is same orientation but broken, irregular and rough w/ 3cm sheared interval.	
123					Large interval of variably sheared, altered diorite; no obvious dyking. Unit varies from m.g. to locally porphyritic; wk interstitial epi; strong epi on open frac/joint faces; narrow mm-scale epi-kspar-qtz veinlets at 050º/80ºNW	
124			mal-cpy	WVF-10-01	13cm wide chl-carb-kspar-epi-qtz vuggy veinlet/healed shear in altered diorite at 185º/72º SE; tiny specs of blk dendritic Mn-oxide; minor secondary magnetite; mtx reacts to HCL; also cc xstalls in vugs; fspar and qtz in diorite has shattered cracked look; few specs of mal-cpy; sample taken.	
125			mal-cpy-mag		Multiple parallel malachite ± cpy ± magnetite mineralized shears and local gouge in altered, broken friable epi-chl-ser-carb (aragonite)-clay altered to locally strongly silcified diorite. Malachite and cpy and magnetite evident as interstitial filling and coating open fracs/joint planes; adjacent to shears and outbound for 10's of cms away; series of samples taken and described below (from SE to NW)	
			mal	WVF-10-02	Sample WVF-10-02 is 54cm chip sample across weathered, blocky broken, mod-strong ser-epi-chl-carb-altered diorite; reacts to HCL; fspar xstalls are salmon pink colored; few specs of mal; HW to shears	
			mal-cpy-mag±clc	WVF-10-03	Sample WVF-10-03 is 28cm chip sample across weathered, blocky broken and epi-chl-ser-carb altered diorite w/ 1% mal ± cpy at interstices & on open frac faces as irregular coating; also diss & clotty specularite and magnetite; few spcs of iron grey fine diss sulphide (chalcocite?); mal locally intergrown w/ magnetite; reacts vigorously to HCL (aragonite coating?); strong lim oxide coating on fracs & as weathered rinds	
			mal-cpy-py	WVF-10-04	Sample WVF-10-04 is 42cm chip sample across strongly blched, green-white, clay/chlorite/carb altered & sheared diorite; very soft & easily scratched; strong hem alt; probably after magnetite; locally flooded w/ qtz-carb mm-scale stringers; reacts to HCL. FW contact is slickensided (oblique to dip) and sheared; roughly at 180º/80ºE. 15cm interval at FW contact is strongly sheared and cly-ser-epi-chl-qtz altered w/ mal-py-cpy mineralization.	
			mag	WVF-10-05	Sample WVF-10-05 is 19cm chip sample across strongly silicified & carb. altered diorite/qtz stockwork w/ local strong red hematite in qtz; magnetite as tiny specs and aggregates; unit has sheared appearance	
			mal-mag	WVF-10-06	Sample WVF-10-06 is 25cm chip sample across highly sheared & altered diorite w/ narrow purple-red qtz veinlets and silicified zones w/ 1% mal & local mag	
			mal	WVF-10-07	Sample WVF-10-07 is 46cm chip sample across FW diorite w/ mod to strong chl-epi-ser-carb alteration plus narrow epi-hem-mal-qtz veinlets up to 2cm wide; strong lim oxide on fracs; reacts to HCL	
126	160º/82ºNE				Plag phyric aphanitic mafic dyke at irregular and broken HW contact with blched and altered diorite. Unit is al least 4m wide but FW contact obscured in scree. Upper 40cm of dyke next to HW looks chilled with small phenocrysts in aphanitic matrix	

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
127					Mafic dyke in station 109 appears to be younger & more mafic than dyke in station 127; may have intruded older plag phyric dyke. Mafic dyke in 109 is buff-grey weathered; blue-grey fresh with tiny ovoid mafic inclusions; is massive, jointed, very hard and has conchoidal fracture when broken. Felsic dyke at station 127 is about 15m wide; pale grey, sheared and fractured at FW contact w/ station 109 dyke. Unit is gossanous, buff orange and highly weathered, & carb. altered (aragonite-reacts vigorously to HCL); plag crystals are pale pink & possibly wkly kspar-altered	
128						
129					Very blocky angular; bio dominated	
130						
131					Conchoidal frac; some plag laths in aphanitic mtx; also few reddish-pink phenocrysts; could be garnet; unit is similar to station 109	
132			py-cpy		Mafics preferentially chl altered; plag preferentially altered epi; unit is shot thru w/ tiny epi stringers/healed fracs; vwk ser alt?; minor py & tr cpy	
133						
134	020º/180º NW				Might be shallow subdued normal fault running between stations' 133 and 134 at about 150º	
135					Series of stepped o/c & s/c climbing upslope on slope breaks; on edge of height of land; healed shear w/ abundant epi	
136					Alteration seems to be slightly increasing from stations above	
137	260º/85º NW					
138						
139					Broken intervals of outcrop, subcrop & felsenmeer over large area; dip of jointing seems to be changing around slope of hill; may be doming effect	
140						
141						
142					End of trail; may have been trench access	
143					Top of cutslope on old 1.5m trench; cat trail at either end; oriented roughly 080º az & oblique to slope; exposes subcropping wkly ppy altered diorite; strong local epi-chl-kspar alt on open frac faces	
144					Large 0.5m by 1.0m exposed joint face w/ strong to int epi-chl-kspar and microstockwork of qtz	
145				WVF-10-08	See station 290: sample WVF-10-08; 90cm chip sample across extremely weathered, gossanous clay altered shear/fault zone poorly exposed in sloughed trench; probably extension of Jay 2 zone; seems oriented about 350º but difficult to tell; yellow-orange-green-white clay overlies friable yellow-green crumbly diorite; sericite prevalent; no sulphides obvious; maybe leached out	
146					End of 65m long trench; 3m wide; trail below SE end	
147					May also be drill pad	
148					Junction of two trails; shows on topo maps; old cans and scrap; may have been drill camp	
149					Old cat trench; 35m long at 130º az	

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
150					End of old cat trench at 0º az	
151					Old trail or cut cat trench at 170º az	
152					Local strong chl-epi on frac/joint faces; mm-scale epi stringers on loose blocks and scree	
153						
154						
155					Intermittent subcropping in large area	
156					Small subcropping within large boulder field	
157					Small, low relief outcrops over 15m on contour near crest of slope; mainly fresh diorite	
158					Series of small narrow hogsback o/crops on contour cascading downhill; largest and lowest is 10m wide by 15m long by 3m high. Local strong epi alt. in matrix and coating large open joint/frac faces; also random oriented mm-scale epi veinlets and stringers; wall rock proximal to epi veinlets is chl altered.	
159						
160						
161					Broken, fractured, aphanitic, strongly chloritized mafic dyke exposed over 3m at end of trench; in contact w/ weathered, friable, strongly chloritized m.g. diorite at extreme south end of trench. Dyke has few discernible phenocrysts of fspar and mafics; has some small red inclusions which could be garnet; has conchoidal fracture but also breaks into curvilinear plates; also strongly fizzes (both white frac coating and groundmass = carb. alt). Diorite at contact is int. chloritized, platy, sheared w/ local strong ser alt and mm-scale qtz stringers.; Contact obscured under OB but might be 120º/88º NE.	
162					FW contact; aphanitic to f.g. mafic dyke overtop of strongly to intensely altered diorite. Diorite is strongly chloritized, broken, fractured, friable w/ strong white cleaved mineral development over 5cm at contact. Contact is sharp but irregular and somewhat curvilinear; roughly oriented at 005º/85º SE.	
163			mal	WVF-10-09	Diorite tending locally to qtz diorite occupies area in trench between southern mafic dyke and northern plag phyric mafic dyke. Diorite is blocky, m.g. but can vary widely to c.g. over narrow distances; is platy, sheared and friable proximal to either contact. Unit is variably fresh to locally strongly chloritized w/ local strong epi alt on frac faces and local strong ser alt in gm. Chlorite content seems to increase where qtz content increases. 5cm wide qtz-fspar-bio-qtz veinlet w/ trace mal at selvage; appears oriented at 155º/50NEº. Northern plag phyric dyke is sheared & strongly clay/chlorite altered at HW planar contact oriented @ 305º/82SW. FW contact obscured under northern lip of trench. Dyke is generally khaki green weathered; dark grey fresh; very fine grained to aphanitic w/ 5-10% plag phenocrysts up to 3mm in length; tiny black mafic phenocrysts also. Diorite outbound from contact for width of 1m is intense passing to strong chlorite and epi altered. Sample WVF-10-09 is strong to intense, gossanous, malachite-limonite stained and silicified diorite grabs from angular float on trench floor. Random. Not sure of exact location but likely from trench muck.	
164					Platy, broken and blocky; subcrops over large area	
165					Subcrop buried under scree and exposed under tree roots; strongly bleached and weathered wk to locally strong chl-epi alt; epi microveining noted	
166					Within 1m of dark green aphanitic, strongly chl-epi altered dyke; obscured under scree on steep slope; v.f.g. to aphanitic; has tiny fspar phenocrysts but rare; probably same as plag phyric mafic dyke as seen elsewhere	
167					Strongly sheared, broken, bleached and chloritized m.g. diorite overlying plag phyric mafic dyke; contact is obscured by scree and steep slope	
168					F.g. to aphanitic plag phyric dyke w/ accessory red garnets. Gm and phenocrysts are epi altered; 10% mafics are chl altered. Unit is blocky & platy w/ irregular fracs and narrow section which has hackly, brecciated look. Looks like an intermediate composition dyke but could be altered mafic. Area is outcrop, subcrop and scree over an area 15m on contour and downslope for 15m.	
169			mal-py	WVF-10-10	6cm strongly sheared, fractured, altered, silicified interval w/ abundant malachite and pyrite and limonite and strongly mal coated open fracs at 210º/78ºSE. Interval is sampled as WVF-10-10. Interval is within strongly blched, chlorite-epidote altered, m.g. to c.g. diorite. Diorite has sheared and silicified fabric at 310º/80ºSW. Plag phyric dyke within 2m of mineralization but contact is obscured under scree on steep slope. Previously sampled: flag #12412.	

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
170					On contact between HW chl alt. m.g. diorite & strongly hornfelsed plag phyric dyke. Dyke has pale brown cast and rings when struck. Contact is sharp but irregular & wavy; roughly oriented at 120º/75ºNE.	
~~171~~					Alteration mod to locally intense on frac faces & as thin stringers and veinlets; varies locally to qtz diorite	
172					Plag phyric dyke; possibly hornfelsed w/ weak pale brown cast. Small subhedral plag phenocrysts (5%) and 1-2% tiny black mafic grains in aphanitic gm. Rings loudly when struck; conchoidal fracture.	
173					Abundant epi on open fracs & joints; end of traverse; cliffed out	
174					Small o/c of chl alt. diorite adjacent to khaki green chl alt plag phyric dyke; contact obscured under talus	
175					Weak interstitial chl-epi alt, very wk ser alt; local strong chl-epi on frac coatings & as mm-scale stringers; weak foliation or mineral lineation // to jointing	
176					Fine tiny black specs in gm; no garnets noted; unit is platy w/ conchoidal fracture	
177					Drill access trail	
179					Old drill pad at end of trench/trail; old discarded BQ core box w/ few runs of chloritized diorite	
180					Trail junction between drill pad access trail and main Fir trail	
181					Trail junction between trail to Fir trench area and main Fir trail	
182					Trail junction between trail to Fir trench area and main Fir trail	
183					Main Fir trail	
184					Main Fir trail	
185					Trail ends in trench	
186					Top end of TR-1	
187					Bottom of TR-1; Top end of TR-2	
188					Bottom of TR-2	
189					Top end of TR-3	
190					Bottom of TR-3	
191					Top end of TR-4	
192					Bottom of TR-4; Bottom of TR-5; which is long sweeping trail/trench leading upslope SW to upper trenches on upper bench	
193					Top end of TR-5	
194					Top end of TR-6	

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
195					Bottom of TR-6	
196					Top end of TR-7	
197					Bottom of TR-7	
198					Shallow indistinct trench workings over 20m² area	
199					Bottom of TR-8	
200					Bottom of TR-9	
201					Top end of TR-9	
202					Top end of TR-10	
203					Bottom of TR-10	
204					TR-1: rusty weathered and local strong epi-chl alt. diorite. Crumbly friable soft intervals punctuated with narrow silicified zones. Also narrow cm-scale fractured/sheared intervals // and 50cm apart @ 330º/88ºSW.	
205					TR-1: 3cm epidote stringer at 270º/62ºS	
206					Small subcrop outside of TR-1: crowded plag phyric dyke; possibly felsic composition. Very hard, rings; possibly hornfelsed. Up to 25% small phenocrysts of milky wht plag up to 2mm in length; set in fine brown aphanitic gm; less than 2% tiny black mafic specs; minor qtz; rusty weathering and blocky w/ // jointing at 130º/82ºNE	
207					Small subcrop outside of TR-1: looks like different dyke composition from station 206 (although could be function of alt.): all contacts obscured by slough; need to retrench area to expose. Unit is f.g. to aphanitic mafic dyke w/ wk to mod pervasive chl alt. & few plag phenocrysts & rare tiny red inclusions (garnet? or hem altered mag?)	
208					Small subcrop between TR-1 & TR-2: fairly fresh qtz diorite tending to diorite. Narrow 2mm epi-qtz stringer @ 230º/85ºSE.	
209					Subcrop or trench float; same as station 206; looks like a plag phyric felsic dyke; need to retrench area	
210			mal	WVF-10-11	Small subcrop: chl-epi alt. qtz diorite w/ splashy lim-mal as coatings on open fracs; also secondary silica as tiny drusy microveinlets, cavities & stringers. Local strong hem alt in close proximity to lim-mal coated fracs. Orientation unclear but possibly 240º/75ºSE. Sample taken: WVF-10-11: close-spaced mal stained fracs in altered diorite in close proximity to plag phyric dyke.	
211					Small subcrop: crowded plag phyric felsic (?) dyke; also blocky angular float; seems roughly oriented at 230º. Rusty joint/frac faces and very oxidized. Plag phenocrysts are rusty orange weathered. Some blocks have pseudo-pillow appearance; others have columnar blocky look.	
212					Contact exposed between f.g. to aphanitic plag phyric mafic dyke to the NW and m.g. chloritized diorite to the SW. Contact is planar, rusty, lim coated, sheared and altered over 10cm @ 330º/70ºSW. Diorite at contact displays strong local chl-epi-ser-qtz alt. overprinted by lim weathering. Weak slickensides are evident at contact w/ plunge oblique to strike (90º from horizontal). Close-spaced jointing in dyke @ 330º/70ºSW. Mafic dyke may have cross-cut felsic dyke upslope below station 211, but too much slough and OB to be certain.	
213			mal	WVF-10-12	Splashy mal staining on open fracs/joints; fairly fresh looking qtz diorite w/ shattered look to clear, equant qtz grains. WVF-10-12: mal staining on open joints in altered diorite.	
214	325º/62ºSE		mal	WVF-10-13	TR-2: near end of trench; splashy mal-hem-lim staining on open fracs/joints in chloritized & locally strongly silicified qtz diorite. WVF-10-13: strongly silicified shear w mal on surrounding open fracs in altered diorite.	
215	320º/65ºSW	220º/85ºSE	mal-py	WVF-10-14	TR-2: end of trench; splashy mal-hem-lim staining on open fracs/joints in chloritized & locally strongly silicified diorite. Chl-epi alt increased toward rusty malachite fracs. Also some interstitial mal-py noted but mal rarely penetrates more than several cms beyond joint/frac wall. WVF-10-14: narrow silicified interval in strongly altered diorite w/ strong mal coating on joint/frac surfaces.	
216					Top of TR-7 on trail	
217					Junction of upper trail and main trail	

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
218	120º/85ºNE		mal-cpy-py	WVF-10-15	Below TR-2; probably TR-4: or is subtrail/subtrench; measures 15m long & // to trench TR-2. About 1m exposed in trench rubble & OB. Sample WVF-10-15: 16cm wide qtz vein w/ 1-2% blebby cpy-py oriented 220º/85ºSE & strong mal coating on open fracs for 5-10cm either side of vein in altered diorite.	
~~219~~			mal±azu; py	WVF-10-16	Similar to above: WVF-10-16: 50cm altered, strongly silicified interval w/ inner core qtz vein of about 25cm in width; interval is very rusty, oxidized and covered with splashy mal ± azu plus minor py as fine diss in silica; mal occurs over 50cm distance either side of vein	
220					Blocky subcrop exposed on cutslope of trail leading to upper trench area. Fairly fresh; local strong epi alt on open fracs/joints	
221					Patchy subcropping over an area of 50m by 50m. Above cutslope of trail and upslope toward upper trench area.	
222					Local intense epidote-qtz veinlets and coatings on open fracs in altered diorite.	
223					Local, splashy & intense epidote-qtz mm-scale stringers/veinlets and coated open fracs in altered diorite.	
224					Subcrop & rubbly talus of mod chl altered plag phyric dyke (5% altered mafics; 1-2% qtz; 25% plag phenocrysts)	
225					Large blocky scree & subcrop of fairly fresh plag phyric dyke; not as strongly chloritized as above. Unit seems to subcrop along road for 15m; orientation unclear.	
226			mal-py		Diorite subcropping intermittently over 15m; must be within 5m of plag phyric dyke but contact is obscured by slough and OB. Unit is fairly fresh. Wk mal plus trace py coating on close-spaced fracs/joints at 210º/85ºSE. Lots of rusty silcified and mal stained trench muck in vicinity; must be vein/dyke contact close. Need to re-open trenches.	
227						
228					Rubbly, friable altered subcrop; possibly fault; has strongly sheared look.	
229					Pale gry-grn f.g. to aphanitic mafic dyke in contact w/ mod chl-epi altered diorite w/local int epi veining & frac coating near contact; Contact is very jagged and irregular and roughly oriented 320º/80ºSW. Dyke has chattered, hackly broken texture near surface. Few noticeable plag phenocrysts; tiny black mafic specs.	
230					Rubbly, friable altered subcrop; possibly fault; has strongly sheared look.	
231					Pretty fresh; floor of TR-6; local strong epi veinlets & coatings	
232					Subcrop and rubble; common rusty epi-chl coating fracs & joints	
233			cpy-py-mag-mal	WVF-10-17	20cm wide rusty qtz vein in narrow stockwork zone in wkly chl-epi altered diorite. Strong local sericitization of wallrock near vein. 14cm wide fault gouge at HW of vein.< 1% cpy-py-mag. Mal evident as coating on adjacent open fracs and joint faces. Sampled as 35cm chip sample as WVF-10-17. Previously sampled but illegible tag number.	
234			mal		1cm wide rusty qtz stringer w/ mal on vein selvages & splashy on open fracs/joints adjacent to vein over distance of 10's of cms.	
235					Fairly continuous subcropping of wkly altered diorite over length of TR-6. No sign of any dyke.	
236					4-5 m wide plag phyric dyke in subcrop and frost heave/rubble. 1-2% mafics and 15-20% plag phenocrysts.	
237					1m wide grey v.f.g. to aphanitic mafic dyke that seems to cross-cut diorite and plag phyric dyke; only shown in outcrop and trench rubble. Relationships unclear; need to re-open trench. Unit is very crumbly and friable; odd plag xstalls.	
238			mal		15cm wide rusty silicified zone in chl-epi altered diorite. No obvious veining; splashy mal & trace Py on open fracs/joints	
239					Subcrop and frost heave/felsenmeer; no clear orientation.	
240						
241						

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
242					Blched; weathered, soft and friable diorite. Contact between station 241 & 242 is obscured under OB but might be 340º	
243					Plag phyric dyke as rubble; close proximity to dark gry-blk mafic dyke. All contacts and relationships unclear; but contact between diorite to the NW and plag phyric dyke to the SE might be 200º	
244			mal		Mal stained diorite rubble	
245					Dyke rubble; might be 5m wide.	
246					Top end of TR-11: OB	
247					Bottom of TR-11: OB	
248					Trail connects FIR Zone trench area to JAY 2 Zone adit area	
249					Small discontinuous o/crops 3m below trail. NOTE: large o/crop 100m upslope (north) of trail; similar.	
250					Series of low-relief o/crops in area below trail. Fairly fresh diorite tending to qtz diorite. Local narrow qtz-kspar microstockwork roughly oriented 140º. Strong local epi alt coating open fracs/joints; barren; can be anastomosing and braided and terminate quickly.	
251					Seems to be end of trail?	
252						
253					Old trail on end of old trench	
254					End of trail; top end of TR-12; small s/crop of fairly fresh diorite; wk lineation	
255					Small subcrop of fairly fresh diorite in trench which is mostly in OB; trail at top end of trench continues north.	
256					Bottom of TR-12; trail goes N to S	
257					Trail lips out about mid-way along length of cross-cutting trench TR-13; old trail must predate trench	
258					Top end of TR-13; about 2m deep in OB	
259					Bottom of TR-13; in boulder till; lots of subrounded to rounded diorite	
260					Top end of TR-14; about 2m deep in OB	
261					Bottom of TR-14; in boulder till	
262					Bottom of TR-15; in boulder till	
263					Blched, mod to strongly chl-epi altered diorite. Local well-developed close-spaced jointing/fracture pattern; may also be shearing fabric.	
264					Top end of TR-15; broken, flaggy angular chl-epi altered diorite w/ f.g. to angular aphanitic mafic dyke scree in trench; contact relationship obscured by trench slough. Need to reopen.	
265					Trail 360º upslope & trail 60º downslope; same intersection as station 148; might be old camp site	

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
266					Top end of TR-16; about 2m deep in OB	
267					Bottom of TR-16: OB	
268					Trail 320º upslope & trail 180º downslope	
269					End of trail	
270						
271					Small 2m outcrop exposed in trail cut; looks like chloritized plag phyric dyke; has rounded pillow-like or chilled column-like 'skin' forming around 4-sided columns. Very crowed porphyritic texture w/ up to 60% plag phenocrysts set in aphanitic matrix. Also tiny black mafic specs noted. Strong local chl-epi on open fracs. Old sample taken: "12406". No signs of mineralization.	
272					Several small subcrops of fairly fresh, wkly chl-epi altered diorite tending to qtz diorite w/ local up to 25% qtz. Local strong epi stringers and coatings on open fracs/joints. Contact with dyke in station 271 is obscured under OB. No obvious signs of mal or mineralization. Should be recut to expose contact.	
273	290º/60ºNE		cpy-py-chlc	WVF-10-18	JAY 2 ZONE: large slot cut leading to inclined shaft. Slot cut measures 9m deep at 15º slope with 7m wide back & 7m tall highwall. Inclined shaft measures roughly 3m wide by 2m tall but is badly sloughed and caved. 2-tiered waste/ore dump outside lip of slot cut & strung out downslope for 25m; approximatley 5,000m3 of material on slope dump. Mineralized zone is 35cm wide qtz-sx vein/breccia stockwork within 75cm wide, strongly chloritized pinch and swell type shear/clay fault gouge at the dipping, sharp, planar FW contact between overlying 3-4 m wide plag phyric dyke and diorite. Zone is mineralized w/ cpy-py-sooty gry-blk chalcocite. Rounded and milled rock frags are entrained with silica. Zone looks to bifurcate at depth; and dip rolls from NW near surface to SE at depth. Diorite overlying dyke at HW contact is a narrow, broken, weakly altered zone with no obvious mineralization. Contact is irregular, curvilinear & rolling but roughly oriented @015º. Diorite on either side of dyke is fairly fresh except where closest to contact where chl-calcite is strongest immediately at the dyke contact. Diorite displays vwk to wk chl-epi alt of plag and groundmass. Weak lineation is evident and // to common joint set @ 005º/72º NW & 290º/60ºNE. Narrow bleached/sheared zones away from FW contact in diorite at 320º/72ºSW; & strongly altered w/ white calcite alteration adjacent to FW contact. Narrrow qtz-carb shearing in HW diorite @350º/68ºSW. Dyke is blocky, f.g. to aphanitic gm; has tiny black mafic inclusions; tyically chilled and strongly chloritized near diorite contacts. Sample WVF-10-18 is 75cm chip sample.	
274			mal-mag-cpy-born-chlc	WVF-10-19	Random grabs from ore dump outside lip of inclined shaft. Sx-qQtz breccia pieces w/ locally up to 5% cpy-bornite-sooty chalcocite w/ malachite & magnetite.	
275					Bottom of TR-17:OB	
276					Top end of TR-17: OB	
277					Top end of TR-18: OB	
278					Bottom of TR-18:OB	
279					Bottom of TR-19:OB	
280					Top end of TR-19: OB	
281					Mainly fresh diorite w/ local strong epi coating on open fracs/joints	
282						
283						
284					End of trail/trench; close to station 150	
285					Narrow cm-wide friable, sheared altered zones in diorite @ 170º/80NEº	
286				WVF-10-20	Similar structure 2.5m north; w/minor py and trace cpy.	

Table 6 continue

Way point	Orientation 3	Orientation 4	Mineralization	Sample Number	Comments	
287					Bottom of TR-20	
~~288~~					Top end of TR-20: same trench as described in station 145; and sampled as WVF-10-08.	
289					Small subcrop in floor of trench. Bleached, weathered chl-epi altered.	
290				WVF-10-21	1.30m chip sample. Same location as chip sample WVF-10-08 only wider and downdip. Interval is strongly to intensely limonite-carbonate-chlorite altered yellow-green-orange clay. Looks like altered diorite. No obvious mineralization or dyking. IS probably SE extension of Jay 2 zone; which is 220m away at bearing 350º. NEED TO REOPEN THIS TRENCH.	

Figures

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
Yoho National Park
Glacier National Park
Kootenay National Park
Banff National Park

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

Washington
Idaho
Montana

West Valley Project (See Inset Map)

Inset Map

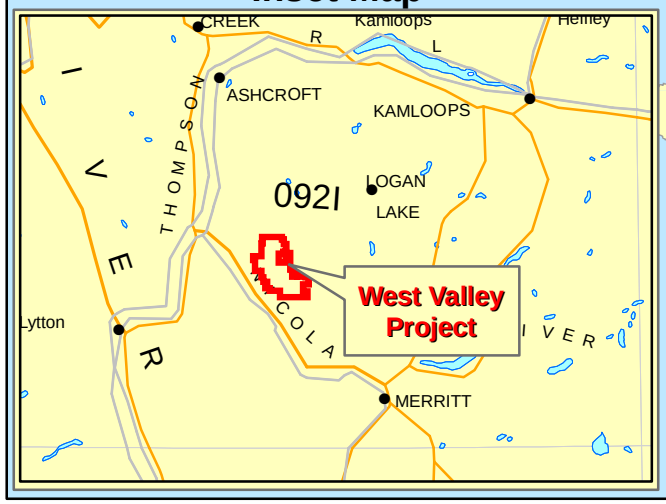
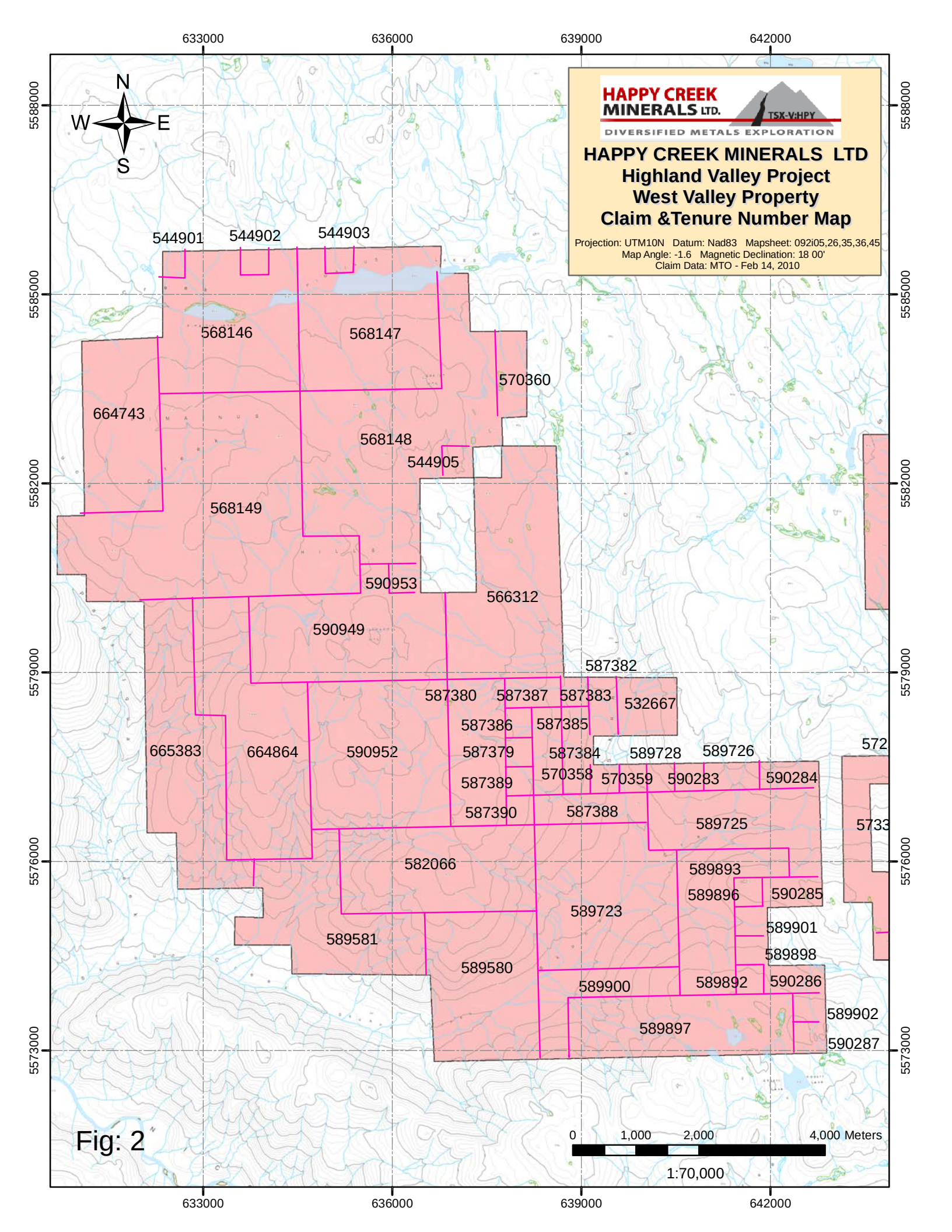


Fig: 1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HAPPY CREEK MINERALS LTD.
TSX-V:HPY
DIVERSIFIED METALS EXPLORATION
HAPPY CREEK MINERALS LTD
Highland Valley Project
West Valley Property
Claim &Tenure Number Map
Projection: UTM10N Datum: Nad83 Mapsheet: 092i05,26,35,36,45
Map Angle: -1.6 Magnetic Declination: 18 00'
Claim Data: MTO - Feb 14, 2010
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544903
568146
568147
570360
664743
568148
544905
568149
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587382
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589580
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590286
589902
589897
590287
Fig: 2
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2,000
4,000 Meters
1:70,000

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

Fig: 3

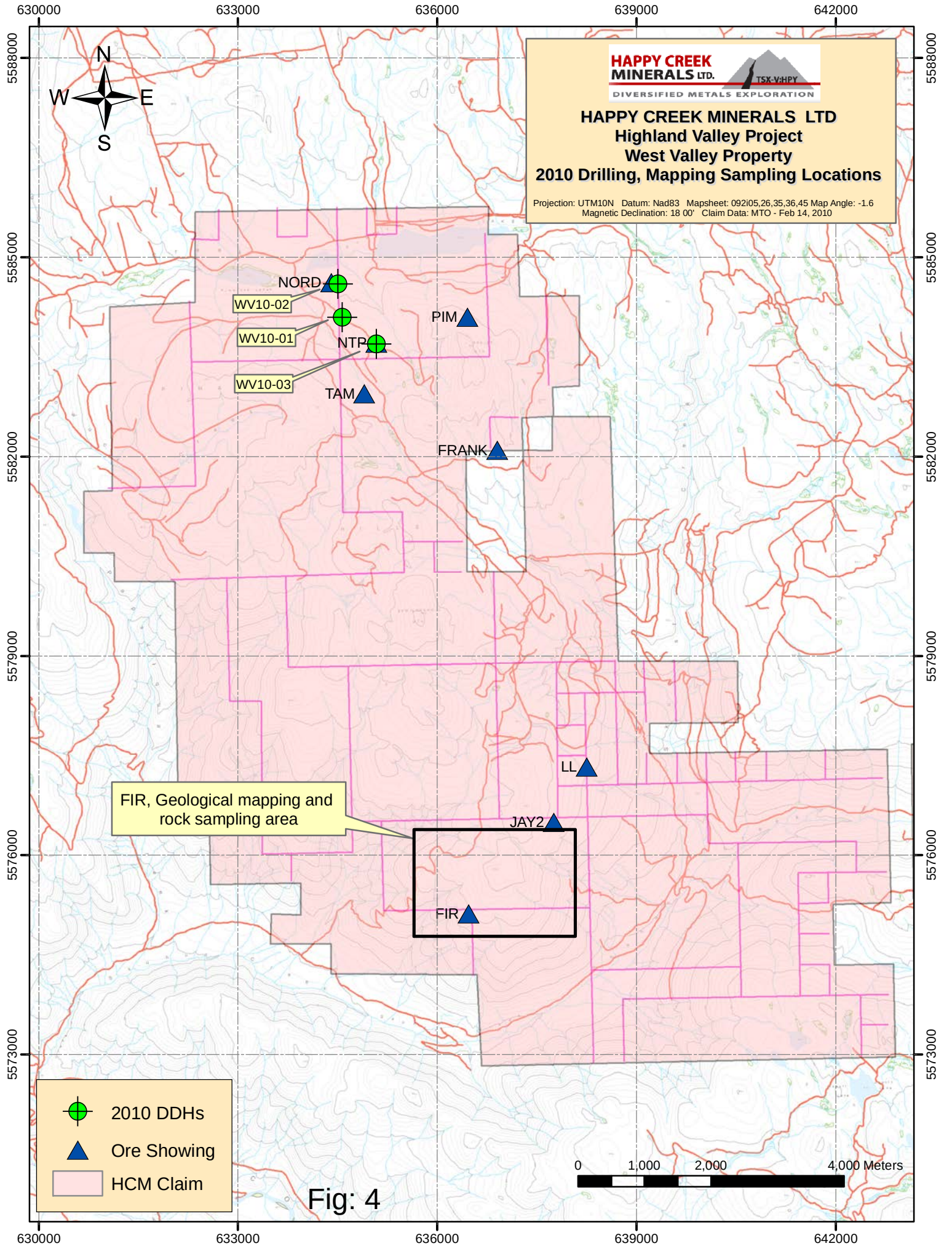

HAPPY CREEK MINERALS LTD.
TSX-V:HPY
DIVERSIFIED METALS EXPLORATION
HAPPY CREEK MINERALS LTD
Highland Valley Project
West Valley Property
2010 Drilling, Mapping Sampling Locations
Projection: UTM10N Datum: Nad83 Mapsheet: 092i05,26,35,36,45 Map Angle: -1.6
Magnetic Declination: 18 00' Claim Data: MTO - Feb 14, 2010
N
W
E
S
630000
633000
636000
639000
642000
5588000
5585000
5582000
5579000
5576000
5573000
NORD
WV10-02
WV10-01
NTP
WV10-03
PIM
TAM
FRANK
LL
JAY2
FIR
FIR, Geological mapping and rock sampling area
2010 DDHs
Ore Showing
HCM Claim
0
1,000
2,000
4,000 Meters

Fig: 4

634500 634600 634700 634800 634900 635000 635100 635200

5584700 5584600 5584500 5584400 5584300 5584200 5584100 5584000 5583900 5583800 5583700 5583600

HOLES PLOTTED

TOTAL 3

WV10-01 WV10-02 WV10-03

WV10-02

WV10-01

WV10-03

BAR GRAPHS L/R COL

Cu% R

PLAN SPECS:

REF. PT. E, N 634800 m 5584000 m

EXTENTS 463.1 m 1277 m

SCALE

(m)

-40 0 40 80 120

NAD83 / UTM zone 10N

N W E S

HAPPY CREEK MINERALS LTD

West Valley Property

2010 Drilling Program

Holes Plan Map, Cu (wt%)

Fig: 5

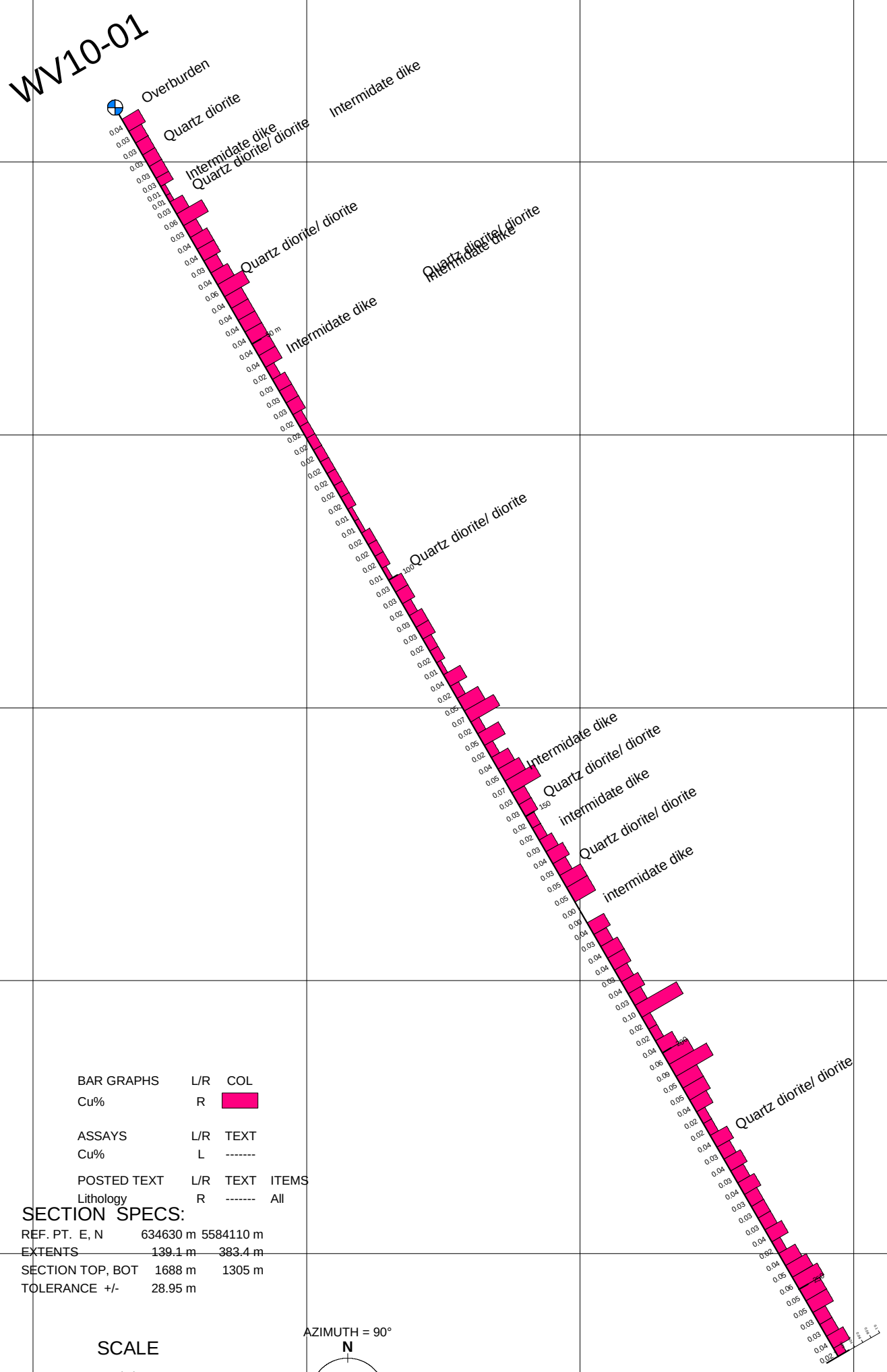
634550 E | 634600 E | 634650 E | 634700 E | 634750 E

HOLES PLOTTED

TOTAL 1

WV10-01

1650 RL | 1600 RL | 1550 RL | 1500 RL | 1450 RL | 1400 RL | 1350 RL



BAR GRAPHS L/R COL
Cu% R

ASSAYS L/R TEXT
Cu% L -------

POSTED TEXT L/R TEXT ITEMS
Lithology R ------- All

SECTION SPECS:

REF. PT. E, N	634630 m	5584110 m
EXTENTS	139.1 m	383.4 m
SECTION TOP, BOT	1688 m	1305 m
TOLERANCE +/-	28.95 m	

SCALE

(m)

-10 0 10 20 30 40

NAD83 / UTM zone 10N

AZIMUTH = 90°

N W E S

HAPPY CREEK MINERALS LTD

West Valley Property

2010 Drilling Program

Hole WV10-01 Cu Assay (wt%)

Fig: 6

634400 E | 634500 E | 634600 E | 634700 E | 634800 E

HOLES PLOTTED

TOTAL 1

WV10-02

1600 RL

1500 RL

1400 RL

1300 RL

1200 RL

1100 RL

1000 RL

900 RL

WV10-02

Overburden

Diorite/quartz diorite, xenoliths

Diorite/quartz diorite, banding

50 m

diorite

Diorite/quartz diorite, banding

100

150

Medium grained GD

200

Fault Zone

Medium grained GD

250

Fault zone

Medium grained GD

BAR GRAPHS	L/R	COL
Cu%	R	

ASSAYS	L/R	TEXT
Cu%	L	-------

POSTED TEXT	L/R	TEXT	ITEMS
Lithology	R	-------	All

SECTION SPECS:

REF. PT. E, N	634562 m	5584610 m
EXTENTS	301.8 m	831.8 m
SECTION TOP, BOT	1733 m	901.3 m
TOLERANCE +/-	33.8 m	

SCALE

(m)

-20 0 20 40 60 80

NAD83 / UTM zone 10N

AZIMUTH = 90°

N

W E

S

HAPPY CREEK MINERALS LTD

West Valley Property

2010 Drilling Program

Hole WV10-02 Cu Assay (wt%)

Fig: 7

635000 E | 635050 E | 635100 E | 635150 E | 635200 E | 635250 E

1700 RL | 1650 RL | 1600 RL | 1550 RL | 1500 RL | 1450 RL | 1400 RL | 1350 RL | 1300 RL

HOLES PLOTTED

TOTAL 1

WV10-03

WV10-03

Overburden

Diorite/quartz diorite, banding fabric

Mafic Dike

Shearing Fault

Diorite/quartz diorite, banding fabric

Diorite/quartz diorite, banding fabric

Shearing Fault

Diorite/quartz diorite,banding fabric

shearing fault

Medium-fine-grained GD

Felsic dike

Medium-fine-grained GD-Diorite

BAR GRAPHS	L/R	COL
Cu%	R	

ASSAYS	L/R	TEXT
Cu%	L	-------

POSTED TEXT	L/R	TEXT	ITEMS
Lithology	R	-------	All

SECTION SPECS:

REF. PT. E, N	635117 m	5583700 m
EXTENTS	162.8 m	448.9 m
SECTION TOP, BOT	1605 m	1156 m
TOLERANCE +/-	14.5 m	

SCALE

(m)

-10 0 10 20 30 40 50

NAD83 / UTM zone 10N

AZIMUTH = 90°

N

W E

S

HAPPY CREEK MINERALS LTD

West Valley Property

2010 Drilling Program

Hole WV10-03 Cu Assay (wt%)

Fig: 8

HAPPY CREEK MINERALS LTD.
TSX-VHPY
DIVERSIFIED METALS EXPLORATION

West Valley Property
Fir Showing Region
Mapping & Rock sampling
Copper wt% Assay
2010

Magnetic Declination: 18 00'
UTM 10, NAD 83

636000 636200 636400 636600 636800 637000 637200 637400 637600 637800 638000

5576000 5575800 5575600 5575400 5575200 5575000 5574800

WVF-10-01 0.015 Cu%
WVF-10-05 0.077 Cu%
WVF-10-02 0.028 Cu%
WVF-10-06 0.112 Cu%
WVF-10-03 0.398 Cu%
WVF-10-04 0.195 Cu%
WVF-10-07 0.020 Cu%
WVF10-10 1.22 Cu%
WVF-10-09 0.905 Cu%
WVF-10-11 0.352 Cu%
WVF-10-15 0.727 Cu%
WVF-10-16 0.54 Cu%
WVF-10-13 0.276 Cu%
WVF-10-12 0.34 Cu%
WVF-10-14 0.754 Cu%
WVF-10-17 0.388 Cu%
WVF-10-19 2.82 Cu%
WVF-10-18 1.07 Cu%
WVF-10-20 0.015 Cu%
0.022

Drill Pad
Inclined Shaft
Ore Dump
Scree
Gully
Fault
1543
1500
1400

LEGEND
Mapping & Rock Sampling, 2010

Rock Samples
Outcrop, Subcrop, Boulder
- Rock Type
- Sample No., Cu %

Trench
- (Cu %)
- Access road
- Index Contour (100m)
- Intermediate Contour (20m)
- River/Stream - Definite
- Stream - Indefinite
- sandbar polygon
- islands polygon
- river polygon
- Lake/River
- Swamp
- Marsh

0 75 150 300 Meters
1:2,000

Appendix 1

Fir Geological Mapping Report

Ken McDonald, P.Geo.
Northridge Consulting

FIR AREA MAPPING AND SAMPLING

Summary Findings: much of the FIR project area is underlain by weakly propylitized, fine to medium to locally coarse grained diorite that grades locally in and out of more mafic and more quartz rich varieties. Other rock types observed as boulders include granodiorite, monzonite and basalt; although volumetrically these rocks are low and probably represent transported till from the Highland Valley area.

Plagioclase phenocrysts in the diorite typically have pale green chlorite-epidote alteration cast and are weakly aligned as foliation, particularly on the east side of the area. This foliation may represent a regional structural pattern; possibly also related to the regional propylitization. The dominant mafic in diorite is typically hornblende although locally flaky biotite is common and lesser magnetite is noted. The diorite is commonly jointed with multiple joint sets found in the field. There is a general strike and dip change around the inner core of the project area; suggesting there is a doming effect in the topographically high area centered on the main mountain.

Four main mineralized areas were encountered; and all have been worked in the past. The SW Zone is found along an open trench that exposes small subcropping along about 120m of the cutslope of the trench. The trench trends across the contour of hillslope: from station 105 to 110; and station 120 to 127. The zone is on the SW slope of the project area; and on trend from the FIR zone. This area is steep and rugged and too precipitous to work downslope but could be trenched further upslope toward the FIR ZONE.

The SW Zone is a series of multiple parallel malachite ± chalcopyrite ± magnetite mineralized shears and local gouge in altered, broken, friable, epidote-chlorite-sericite-carbonate (aragonite)-clay altered to locally strongly silicified diorite intruded by narrow, parallel plagioclase phyric mafic to intermediate dykes. Malachite and chalcopyrite and lesser magnetite are evident as interstitial fillings and coating open fractures/joint planes; both adjacent to shears and outbound for 10's of cm away. A series of chip samples were taken across the mineralized structures which are variably oriented but likely parallel to and genetically related to the dyke. Dyke contacts were measured at 320º/80º SW, 320º/72ºSW, 140º/75ºNE & 050º/80ºNW; although contacts are severely obscured by slough and or OB. This area requires retrenching to properly map the dyke/mineralized zone relationships.

The FIR ZONE is exposed imperfectly in about 5 of 11 trenches and indicates a series of narrow silicified zones in chlorite-epidote altered quartz diorite tending to diorite; at or near the intrusive contacts with plagioclase phyric dykes. Mineralization consists of minor chalcopyrite and pyrite in silica zones with related splashy malachite-hematite-limonite oxide staining on open fractures/joints in chloritized & locally strongly silicified diorite. Chlorite-epidote alteration increases toward rusty malachite fractures. Secondary silica is seen as tiny drusy microveinlets, cavities & stringers. Orientations and contacts are obscured under rubble or OB and are unclear but possibly 330º/70ºSW with quartz veining noted at 220º/85ºSE.

The NE ZONE is very poorly exposed in 9 deep trenches that mainly remained in OB. One trench exposes a very broad, intensely clay altered shear zone that is at least 1.3 m wide and seems to be the SE extension of JAY 2 Zone; which is 220m away at a bearing of 350º.

The JAY 2 zone is well exposed in the highwall of a old slot cut that accesses an inclined shaft. The slot cut measures 9m deep at 15º slope with 7m wide back & 7m tall highwall. The inclined shaft measures roughly 3m wide by 2m tall but is badly sloughed and caved. A 2-tiered waste/ore dump is located outside the lip of the slot cut & strung out downslope for about 25m; and has approximately 5,000m3 of material on the dump. The mineralized zone is a 35cm wide quartz-sulphide vein/breccia stockwork within a wider 75cm zone of strongly chloritized shear/clay fault gouge. The zone is pinch and swell type and found at the dipping, sharp, planar FW contact between an overlying 3-4 m wide plagioclase phyric dyke and weakly altered diorite. Mineralization consists of chalcopyrite-pyrite-sooty grey-black chalcocite. Rounded and milled rock fragments are entrained within the silica. The zone seems to bifurcate at depth; and the dip rolls from NW near surface to SE at depth. Diorite

overlies the dyke; and the HW contact is a narrow, broken, weakly altered zone with no obvious mineralization. The HW contact is irregular, curvilinear & rolling but roughly oriented @015º. Diorite on either side of the dyke is fairly fresh except where closest to the contact where chlorite-calcite alteration increases immediately at the dyke contact. Diorite displays very weak to weak chlorite- epidote alteration of plagioclase and groundmass. A weak lineation is evident and parallel to a common joint set @ 005º/72º NW & 290º/60ºNE. Narrow bleached/sheared zones occur away from the FW contact in diorite at 320º/72ºSW. Narrow quartz-carbonate shearing in HW diorite is @350º/68ºSW. The dyke is blocky, fine grained to aphanitic; has tiny black mafic inclusions; and is chilled and strongly chloritized near diorite contacts.

Copper mineralization on the property is comprised of sulphide-quartz mineralized shear zones at or near the contact with plagioclase phyric dykes intruding the host diorite. There doesn't seem to be a classic porphyry style setting on the Fir project area; with the mineralized shears likely distal to porphyry-related mineralization further north. The shears themselves may represent an exploration target but are of lower priority to a bulk-tonnage target. Sufficient width and strike length would have to be proven to make a viable target; and so trenching is recommended to determine connectivity of the zones. An IP or ground EM survey may help to delineate the dyke but more discussions should be held with a qualified geophysicist to determine the appropriate survey technique.

Recommendations: Phase One: detailed soil sampling on trend above and below the known zones; and in areas where dyke subcrop has been identified. A total of 500 samples would be required. Retrench all existing trenches on 4 main zones; and continue trenching by step-out along trend. A total of 2500m of trenching is recommended. Detailed trench mapping and sampling should provide validity of phase two geophysics and possible drill targets.

An initial phase two drill program of 1500m is success dependent on results from phase one program.

Appendix 2

Diamond Drill hole Logs

PROPERTY: **West Valley**
MINING DIVISION: Kamloops
DDH # **WV10-01**
OVERBURDEN: **0**
TOTAL DEPTH: **264.26m**
CORE SIZE: **NQ**

UTM ZONE: **10**
DATUM: **NAD83**
UTM-E: **634560**
UTM-N: **5584100**
ELEVATION: **1550**
AZIMUTH: **90**
DIP: **-60**

DRILLED FOR: **Happy Creek Minerals Ltd.**
DRILLED BY: **Glen's Drilling**
START DATE: **12 July 2010**
FINISH DATE: **16 July 2010**
LOGGED BY: **Sassan Liaghat**

DOWNHOLE SURVEY
INSTRUMENT: **Acid Test**

DEPTH	AZIMUTH	DIP
90.5		59.5
160.6		59
221.5		58

INTERVAL (m): FROM	TO	ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI >3mm	ALTERATION (1-5): K-spa	Ser	Chl	Ep	Kao	Carb	Silica	Mus		MINERALIZATION (%): Py	Mag	FeOX	Cpy	Bor	Cc	other	STRUCTURE
0.00	**2.44**			Casing, broken fragment of the following units.																		
2.44	**16.17**	**Qd/Dio, locally Dmphibolite and Tonalite**		Rock tentatively interpreted to be Border (Hybrid) phase, quartz diorite/diorite, locally amphibolite and tonalite of the Guishon batholith, melanocratic. Light green-gray to dark green, mottled color due to varying concentrations and distribution of minerals. Fine to coarse grained (1mm to 15mm), equigranular to unequigranular, locally porphyry. Interval mostly competent. **Composition**: Composition quite variable, 30-60% plagioclase (<1 to 5mm), euhydral to subhydral, locally crowded (tonalite), zoned and banded, 7-10% anhydral gray interstitial quartz (<1 to 4mm), 30-60% mafics (predominantly hornblende, or hornblende > biotite) locally up to 80% crowded, (amphybolite), mostly euhydral up to 1cm in size, locally zoned, banded, 1-4% compositional magnetite, minor pyroxene, K-spar. **Alteration**: Alteration quite variable, pervasive propylitic alteration range from weak to strong. Locally silicification, sericitization and argillic alterations are dominant. Vein controlled epidote, chlorite, carbonate alteration (propylitic) is concentrated along fractures and permeates from fracture surfaces into the host rocks forming a halo of alteration adjacent to the fracture plane. Mafic minerals weakly to strongly altered to chlorite and locally to epidote (mainly close to fractures, veins and faults). Mafic minerals little replaced by magnetite. Initial pervasive epidote alteration is overprinted by secondary vein controlled epidote alteration. The distinctive alteration halo in relation to the veins observed. Within veins epidote mainly associated with chlorite, carbonate and clay. Silicification is patchy across interval, quartz veins and quartz flooding is concentrated in fracture zones. Locally weak potassic alteration, filling veins, overprints potassic feldspar and plagioclase. Sericitization is weak and patchy, significant concentrations exist along fractures and pervasive alteration of entire feldspar grains adjacent to fracture surfaces. Argillic alteration locally mild and intense along fractures/fault surfaces. Hematite alteration, late overprint, is concentrated on fracture planes and pervasively stains. **Structure**: Locally interval hosts xenoliths of volcanic and different rock types, mixing of these units has resulted in various fabrics, such as zoning, banding, intergrowth, flow and directive fabric of minerals. Hornblende, plagioclase and +/- biotite, coarse gained, crowd, locally appear as flow fabric within finer grained groundmass. Sparsely fractures, locally intense, all through interval, mainly fills with chlorite and epidote, average angle >60 c/a. Faults and related gouge are rarely observed. **Mineralization**: Minor disseminations of pyrite scattered throughout interval. Pyrite also observed in some fractures. Suspect trace, fine grained cc in some fractures, few grains of chalcopyrite and bornite in fractures, groundmass (replacing or adjacent to mafic minerals) and associated with quartz veins. <u>Subsections:</u> @5.55m: 0.5 cm felsic dike, 55 c/a, creamy white, fine grained, quartz, plagioclase and biotite in bleached groundmass. @5.57m: 1.5 cm felsic dike, 55 c/a, creamy white, fine grained, with quartz, plagioclase and biotite in bleached groundmass. Narrow zone of hematite staining in selvage. @8.07m: Fracture, 1cm thick, 55 to c/a, filled with chlorite, clay, epidote and carbonate. @12.31m: Zone of intensive epidote altertion for 5cm. @12.57m: Vein of carbonate, 3mm, 10 to c/a. @14.13m: 0.5 cm felsic dike, 40 c/a, creamy white, fine grained, quartz, plagioclase and biotite in bleached groundmass. Epidote, chlorite concentration in lower contact. @15.22m: 2mm carbonate vein with epidote, chlorite in selvage.	1	1	1	3	3	1	2	1			0.2	0.5	0.5	0.1	0.1			Locally i xenoliths of volcanic and different rock types. Locally flow and banding fabrics, fractures, Faults and related gouge are rarely observed.
16.17	**18.65**	**Intermidate Dike, GD, Qtz Moz**		Rock probably granodiorite/quartz-monzonite. Medium gray to pink color, coarse to medium grained, low mafic, suhydral to anhydral quartz, slightly porphyry. **Composition**: ~40% euhedral to subhedral, quant plagioclase (2-3 mm in size), about 7% mafics (biotite>>hornblende), 10-20% white-grey subrounded quartz, salmon pink interstitial K-spar, relatively low magnetite (ave. ~5 sus, max 13 sus). **Alteration**: Weak to moderate chlorite-epidote alteration replacing mafic minerals and filling fractures. Lower contact semi sharp, 80 to c/a, upper contact contains coarse grained carbonate vein, 1.5cm thick, 70 to c/a and 30cm strong K-spar alteration. <u>Mineralizaion:</u> No copper minerals obseved	1	2	1	2	2	1	1						1.0					
18.65	**20.60**	**Qd/Dio,**		General charactristic: S.T.A (2.44 - 16.17m. **Mineralizaion:** trace copper minerals obseved @18.90m: Trace py, malachite, cp, and bo in fracture filled with hematite and carbonate.		1	1	2	3	0	1	1			..1	0.1	2.0	0.1	0.1			
20.60	**20.75**	**Intermidate Dike, GD, Qtz Moze**		General charactristic: S.T.A. (16.17 - 18.65m). **Mineralizaion**: No copper minerals obseved	1	2	1	2	2	1	1						1.0					sharp and broken contacts in both side

PROPERTY: **West Valley**
MINING DIVISION: Kamloops
DDH # **WV10-01**
OVERBURDEN: **0**
TOTAL DEPTH: **264.26m**
CORE SIZE: **NQ**

UTM ZONE: **10**
DATUM: **NAD83**
UTM-E: **634560**
UTM-N: **5584100**
ELEVATION: **1550**
AZIMUTH: **90**
DIP: **-60**

DRILLED FOR: **Happy Creek Minerals Ltd.**
DRILLED BY: **Glen's Drilling**
START DATE: **12 July 2010**
FINISH DATE: **16 July 2010**
LOGGED BY: **Sassan Liaghat**

DOWNHOLE SURVEY
INSTRUMENT: **Acid Test**

DEPTH	AZIMUTH	DIP
90.5		59.5
160.6		59
221.5		58

INTERVAL (m):		ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI	ALTERATION (1-5):									MINERALIZATION (%):							STRUCTURE
FROM	TO				>3mm	K-spa	Ser	Chl	Ep	Kaol	Carb	Silica	Mus		Py	Mag	FeOX	Cpy	Bor	Cc	other	
20.75	**53.95**	**Qd/Dio, locally Amphibolite and Tonalite**		**General characteristic**: S.T.A (2.44-16.17m). Interval contains wider zone of epidote alteration halo adjacent to some fractures. Fractures filled with qtz, car, ep, hem, gyp and chl. Fractures mainly in two set of angles to c/a, ~20° and ~70°. **Mineralization:** Minor pyrite dissemination, trace chalcopyrite and bornite in fractures and groundmass throughout the interval. Average magnetite sus in rock is >30 and epidotized altered sections <8. Subsections: @26.82m: 30 cm long, 3mm wide fracture, low angle to c/a, filled with carbonate, clay, and sericite and stained with hematite. Lower part ended to 3 cm yellow-green gouge. @27m to 27.5m: Coarse grained rock, multiple quartz veins, carbonate, epidote veins and fracture fillings, manganese dendritic crystal growth pattern. @28.6m: Pyrite in carbonate, hematite fracture. @33.40m: Xenoliths of finer grained mafic rock, in other locations also observed. @33.63m: Concentration of carbonate veins in different directions. In general entire of interval, carbonate veins in low angle to c/a. @33.65m: Fracture fills with epidote, hematite and manganese dendritic pattern. @34m: Fracture of epidote, carbonate hematite and manganese assemblage. @35.56m: Quartz vein, 1cm, 55 to c/a, semi sharp margin, broken fragments of host rock inside, hematite in selvage. @36.62m: Quartz vein, 2cm, 30 to c/a, semi sharp margin, trace malachite inside and in selvage. @36.70m: Fracture fills with malachite and carbonate, 90 to c/a, hematite staining. From 41.0m to 42.5m: Number of irregular veins filled with chl, epi, in low angle to c/a. @44.95m: Anastemosing carbonate vein, 1 to 5mm thick. @46.5m and 48.40m: Concentration of pyrite in fracture and groundmass. @51.40m: Irregular hematite veins. @52.30m: Vein of quartz, 7mm, 70 to c/a.	3	1	1	3	3	1	2	1			0.2	0.5	1.0	0.1	0.1			filled with qtz, car, ep, hem, gyp and chl. fractures, mainly in two set of angles to c/a, ~20° and ~70°.
53.93	**54.44**	**Intermidate Dike, GD, Qtz Moz**		**General charactristic:** S.T.A (16.17-18.65m). Lower and upper contacts sharp, 55 and 45 to c/a respectively. Lower contact faulted shearing altered for 15cm inward. Rock changes to fresh unit, 5-7% mafics, bio>hb, biotite up to 4mm in size; 40% euhydral plagioclase, 1-2mm; 7% K-spar euhydral, 1-2mm, 20% rounded quartz. Some fractures with mild epidote selvage. Mag "sus" relatively low (5). **Mineralizaion:** No copper minerals obseved		2	1	1	1	1	1						0.2					Dike, lower and upper contacts sharp, 55 and 45 to c/a respectively. Lower contact faulted shearing
54.44	**54.70**	**Qd/Dio,**		**General characteristic:** S.T.A (2.44 - 16.17m).			1	2	2	1	1						0.5					
54.70	**56.50**	**Intermidate Dike, GD, Qtz Moz**		Probably same unit as above (53.93 -54.44) due to alteration mafic minerals content lower and K-spar higher. Trace spare euhydral biotite phenos, 2mm in size. Lower and upper contacts sharp but irregular, 60 to c/a.		1	1	1		1												DikeLower and upper contacts sharp but irregular, 60 to c/a.
56.50	**141.90**	**Qd/Dio, locally Amphibolite and Tonalite**		**General characteristic:** S.T.A (2.44 - 16.17m). Altering of fine to coarse grained unit, locally with sharp contact. Locally megacrysts of hornblende, plagioclase and biotite, all together, appear to flow through finer grains. Average mag sus is 30. **Mineralization:** trace cpy, bo in selvage of veins and fractures Subsections: @57.58m: Partially fracture filled with quartz (cavity), euhydral crystals of quartz (about 1-2mm long), epidote in selvage. @58.98 and 59.92m: Small vein of ep-car-qtz (55 to c/a) with halo of epidote and chlorite. Parallel to this vein, banding fabric in host rock in both sides. @ about 63m: clay sericite with epidote in fracture. Patches of epidote and chlorite replacing xenolite fragnment. @67m: 12cm thick intensive epidote altered section with sharp contact in both sides, 75 to c/a. @71.30m: In 7 cm, 30% of groundmass replaced by epidote. @74.03m: Epidote vein, irregular in shape, gradational contacts. @76.93m: Quartz vein, 1cm, 50 to c/a, comb structure, in the margins small grains of epidote, biotite, trace cpy, py in near distance from vein in host rock.			1	2	3	1	2	1			0.2	0.5	1.0	0.1	0.1			folw like textures in some cores
88.50	86.00		Fault Zone	@88.5m: fault, 50 to c/a, with chl and epidote gouge, py plus cpy? disseminations. **Mineralization:** trace diss of cpy in gouge			1	2	3	1	2	1			0.3			0.1				Gouge, Fault zone

PROPERTY: **West Valley**	UTM ZONE: **10**	DRILLED FOR: **Happy Creek Minerals Ltd.**	DOWNHOLE SURVEY
MINING DIVISION: Kamloops	DATUM: **NAD83**	DRILLED BY: **Glen's Drilling**	INSTRUMENT: **Acid Test**
DDH # **WV10-01**	UTM-E: **634560**	START DATE: **12 July 2010**	DEPTH / AZIMUTH / DIP
OVERBURDEN: **0**	UTM-N: **5584100**	FINISH DATE: **16 July 2010**	90.5 / 59.5
TOTAL DEPTH: **264.26m**	ELEVATION: **1550**	LOGGED BY: **Sassan Liaghat**	160.6 / 59
CORE SIZE: **NQ**	AZIMUTH: **90**		221.5 / 58
	DIP: **-60**		

INTERVAL (m):		ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI	ALTERATION (1-5):									MINERALIZATION (%):							STRUCTURE
FROM	TO				>3mm	K-spa	Ser	Chl	Ep	Kao	Carb	Silica	Mus		Py	Mag	FeOX	Cpy	Bor	Cc	other	
				@ about 92m: gypsum in fractures, 30 to c/a. @100m: Thin irregular fracture of chlorite with 10cm wide epidote halo. @105.27 and 108m: Hematite with chl, epi, pyrolusite in vein sub parallel to c/a. In this area gradual changes observed in altering of coarse and fine grained rocks, megacrysts of hornblende and plagioclase in flow fabric features extend subparallel to c/a with halo of epidote alteration. @113.35m: quartz vein, 1.5cm, 40 to c/a. @113.59m: quartz vein hosts for broken fragments of hbl and epidote, irregular thickness, 10 to c/a, with wide halo of mild epidote alteration. Locally epidote alteration intense, some parts sharp contact with surrounding rock, may replaced existing dike? e.g. 117.68m 3cm, 85 to c/a. @119.58m: Hematite in fractures. @120.50m: Quartz vein 2mm, 80 to c/a. @120.20m: Trace chalcopyrite, and several crowds of pyrite. @124.65 and 124.80m: Broken parts of intermediate dike, ~4cm each, bleached, creamy pink, partly epidote chlorite altered, contacts sharp, 35 to c/a. @127.15m: Trace py and cpy in fractures.										0.2			0.1	0.1			
125.50	126.30		Fault Breccias	@ about 125.50 to 126.30m: Fault, broken fragments (breccias) of rock for 25cm, associated with car, epi, hem, and chl gouge. Banding of low and high mafics, fine and coarse grained minerals 50 to c/a, carbonate and gypsum in some fractures and veins. @125.88m: 10cm shearing fault with light green gouge of epidote, chlorite and carbonate. Sliken-side, 30 to c/a, in nearby, crowded of megacrysts of hornblende, plagioclase and magnetite. @138m: Concentration of epi, chl, car anastemosing veins. @139.30: Concentration of gypsum veins and patchy, also filled fractures between rock banding.																	Fault, gouge, broken fragments (breccias) of rock
141.90	**142.50**	**Intermidate Dike, GD, Qtz Moz, Ton, Amph**		Same unit as above (53.93 -54.44m), bleached, semi sharp contact in both sides, short chlorite alteration, 90 to c/a. **Mineralization:** No copper minerals observed		2	1	1	1	1	1											Dike, semi sharp contact in both sides,
142.50	**153.70**	**Qd/Dio, locally Amphibolite and Tonalite**		**General characteristic:** S.T.A (2.44 - 16.17m). Altering of fine to coarse grained rocks, at the beginning of interval concentration of gypsum veinlets and fracture fillings, 1-3mm, in different orientation. **Mineralization:** No copper minerals observed, <u>Subsections:</u> @142.80 and 145.50m: Concentration of fine grained pyrite in coarse grained parts of interval. @147.65m: Probably same as entire dike in this hole, 7 cm felsic-intermediate dike, fine-medium quartz and plagioclase in mild epidote, chlorite and sericite alteration. Sharp contacts, upper margin recrystalized. @148.5m: Along the core axis (subparallel), few anastemosing vein/fractures fills with epidote and chlorite, late fractures cut through and caused displacement (silken side) of 3mm. @150.84m: Carbonate veins, 3mm, 50 to c/a.		1	1	2	2	1	2				0.5						Gyp	Gypsum veinlets and fracturing
153.70	**154.53**	**Intermidate Dike GD, Qtz Moz, Ton, Amph**		Same as similar unit typoe. Original rock minerals masked and replaced by intensive chlorite, epidote, K-spar alteration. Upper contact contains of 30 cm brecciated rock, crude autobreccia, clast monolithic, sharp angular. Matrix carbonate. The light green unit tends to be gradually change to less brecciated, massive texture rock. Lower contact for about 30cm brecciated. Host rock in contact margin sheared and intensive chloritized. Hematitic fractures, 50 to c/a. **Mineralization**: No copper minerals observed		3	1	3	4	0	4	1					5.0					Upper contact brecciated rock, sharp angular. Lower contact brecciated. Host rock in contact margin sheared.
154.53	**168.12**	**Qd/Dio locally Amphibolite and Tonalite**		**General characteristic:** S.T.A (2.44 - 16.17m). **Mineralization:** No copper minerals observed <u>Subsection</u>s: @160.58m: 2cm light green epidotized unit, sharp contacts 55 to c/a, intense chl –epi in margins. @163m: Crowded anastemose carbonate veins/fractures. @165.5m: Megacrysts of hornblende, plagioclase, epidote and quartz in intense altered small sized groundmass. Few patches of pyrite mineralization, each 3mm. Contact to lower intrusion is sharp, 20 to c/a, with thin zone of chlorite altertion.		2	1	1	2	2	1	2	1			0.2						Crowded anastemose carbonate veins/fractures.
168.12	**172.50**	**Intermidate Dike, GD, Qtz Moz**		White-pinkish, medium gray, medium grained, equigranular, low mafic unit. **Composition:** 15-20% euhedral to subhedral, quant plagioclase (1 mm in size) mild sericite altered, mafics (bitite>>hornblende) replaced by chlorite and epidote, 15-20% white-gray subrounded quartz, salmon pink interstitial K-spar (10-15%), relatively low magnetite (ave. ~5 sus, max 13 sus). Upper contact gradual, bleached for 75cm, few fractures fills with carbonate and quartz, with chl, epi halos. Lower contact less bleached and sharp. 30 to c/a. Quartz-k-spar vein (3cm thick), parallel to the contact, finer grains of epidotized mafics and seritized plagioclase in selvage. Trace pyrite grains and flaky muscovite observed. **Mineralization**: No copper minerals observed		1	3	1	1	1	1	1	2	1		1.0	0.2						

PROPERTY: **West Valley**
MINING DIVISION: Kamloops
DDH # **WV10-01**
OVERBURDEN: **0**
TOTAL DEPTH: **264.26m**
CORE SIZE: **NQ**

UTM ZONE: **10**
DATUM: **NAD83**
UTM-E: **634560**
UTM-N: **5584100**
ELEVATION: **1550**
AZIMUTH: **90**
DIP: **-60**

DRILLED FOR: **Happy Creek Minerals Ltd.**
DRILLED BY: **Glen's Drilling**
START DATE: **12 July 2010**
FINISH DATE: **16 July 2010**
LOGGED BY: **Sassan Liaghat**

DOWNHOLE SURVEY
INSTRUMENT: **Acid Test**

DEPTH	AZIMUTH	DIP
90.5		59.5
160.6		59
221.5		58

INTERVAL (m):		ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI	ALTERATION (1-5):									MINERALIZATION (%):							STRUCTURE
FROM	TO				>3mm	K-spa	Ser	Chl	Ep	Kao	Carb	Silica	Mus		Py	Mag	FeOX	Cpy	Bor	Cc	other	
172.50	**264.26**	**Qd/Dio locally Amphibolite and Tonalite**		**General characteristic:** S.T.A (2.44 - 16.17m). **Mineralization:** Minor Cpy, bo and weak py observed as dissemination grains.	8	1	1	2	2	2	2	2			0.2	0.5	0.5	0.1	0.1			
173.10	173.35		Felsic Dike	**General characteristic:** S.T.A (168.12 - 172.50m). Both contacts sharp (35 to c/a), bleached for few cm.	1	2	1	1	1	1	1					0.1	0.2					Dike, Sharp conatacts, with 35 to c/a
176.80	177.07		Spacey Fault Zone	Subsections: @176.80m: With thin carbonate, chlorite, clay gouge, 80 to c/a. @177.07m: Chlorite, epidote, clay gouge, 80 to c/a. Between rock strongly epidotized. Dissemination of py in farctures and in groundmass. Fractures are in two angle to c/a ~30 and ~70.	2	1	1	2	3	2	2	1			0.5		0.3					Fault, gouge,
188.00	226.00		Mineralized Zone	@188m: High magnetic zone, ave: 169 sus, max: 431 sus. @190.5m: Minor dissemination of cpy, bo in groundmass replacing or associated with mafics, plus moderate dissemination of pyrite. @191m: Quartz vein, 6cm thick, 35 to c/a, halo of epidote and concentration of mafic plus dissemination of py, cp, bo in selvage. @191.25m: Minor dissemination of cpy, bo in groundmass replacing or associated with mafics, plus moderate dissemination of pyrite. From 194.8m for 80 cm zone with sharp contacts to upper and lower units, various banding and parallel veining of concentration of different minerals (hornblende, biotite, quartz, carbonate and epidote), each one 2-5cm thick. Growth of epidote crystals is perpendicular to banding/veining plates. Biotite overgrowth are on margin of quartz vein. Coarse grain sized (3mm) of hornblende spread in this area. @199m: Concentration of disseminated bornite grains, 1 mm grain size. @199.5m: Five cm felsic dike, contacts 60 to c/a. @201.5m: 1cm quartz vein, 30 to c/a, @203.15m: Patches of pyrite associated with epidote in coarse grained groundmass. @205.71m: 1cm quartz vein, epidote in margin, 70 to c/a, @206m: Epidote, carbonate vein, hornblende in margins, @206.5m: Multiple banded of fine and coarse grained rock unit, banding: 40 to c/a, 210 to 212m: Few low angle (to c/a) veins fills with sericite, clay, carbonate, associated with epidote rich zone from 210.9 to 211.20m. @221.39m: Low angle epidote vein, 2mm wide, has halo of epidote for few cm. @223.34m: Concentration of rock banding and fracturing, fills with epidote and minor disseminated pyrite. @225.80 and 225.91m: Epidote replacing part of the rock (probably intrusive), 4 and 5 cm thick respectively with sharp margins (40 to c/a).	3	1	1	2	2	1	2	1			0.5	0.5	0.5	0.2	0.1			
226.00	**264.26**	**Qd/Dio, locally Amphibolite and Tonalite**		Altering of fine and coarse grained rock, flow shaped structure; probably coarse gained unit intruded into finer grained groundmass. **Mineralization:** No copper minerals observed Subsections: @239.38m: Epidote on fractures, 50 to 60 to c/a. @240.18, 245.90, 254m: Zone of high concentration of plagioclase. @258.5m: 1cm quartz-feldspar vein, 30 to c/a, few fractures crosscut the vein and fills with epidote and chlorite. In lower portion of this interval, locally coarse grained hornblende and magnetite concentrate as patchy and banding structures.	1	1	1	2	3	1	2	1			0.2	1.0	0.5					Folw and banding structures
EOH																						

PROPERTY:	**West Valley**	UTM ZONE: **10**	DRILLED FOR: **Happy Creek Minerals Ltd.**	DOWNHOLE SURVEY	
MINING DIVISION:	**Kamloops**	DATUM: **NAD83**	DRILLED BY: **Glen's Drilling**	INSTRUMENT:	**Acid Test**
DDH #	**WV10-02**	UTM-E: **634500**	START DATE: 1**8July 2010**		
OVERBURDEN:	**0**	UTM-N: **5584600**	FINISH DATE: **22July 2010**		
TOTAL DEPTH:	**285.6m**	ELEVATION: **1530**	LOGGED BY: **Sassan Liaghat**		
CORE SIZE:	**NQ**	AZIMUTH: **90**			
		DIP: **-60**			

DEPTH	AZIMUTH	DIP
117.96		-55
185.01		-55
239.88		-53

INTERVAL (m): FROM	TO	ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI >3mm	ALTERATION (1-5): K-spa	Ser	Chl	Ep	Kaol	Carb	Silica	Mus		MINERALIZATION (%): Py	Mag	FeOX	Cpy	Bor	Cc	other	STRUCTURE
0.00	**3.66**	**Gd Broken Rock**		Casing, broken fragment of the following units.																		
3.66	**19.00**	**Dio/Qd dominated in xenoliths**		Interval tentatively interpreted to be Border (Hybrid) phase. Rock is melanocratic quartz diorite/diorite. Locally hosts for abundant rounded to subrounded mafic composition xenoliths, particularly in upper portion of interval. Locally mineralogically/grain sized banded. Groundmass light green-gray to dark green, mottled color due to varying concentration of and distribution of minerals, fine to coarse grained (1mm to 15mm), locally dominated to coarse grains, equigranular to unequigranular, locally porphyry. Interval is mostly competent. **Composition:** Groundmass composition quite variable, 30-60% plagioclase (<1 to 5mm), euhydral to subhydral, locally crowded, zoned and banded, 7-10% anhydral gray interstitial quartz (<1 to 4mm), 30-60% mafics (predominantly hornblende, or hornblende > biotite) locally up to 80% crowded, mostly euhydral, up to 1cm in size, locally zoned, banded, 1-4% compositional magnetite, minor pyroxene, K-spar. Xenoliths are fine grained aphenitic, dark green color, probably basalt. Some xenoliths zoned centrally, due to alteration and magma assimilation. Higher concentration of xenoliths in upper portion of interval. **Alteration:** Alteration quite variable, pervasive propylitic alteration range from weak to medium, locally strong. Potassic, silicification, sericitization and argillic alterations are present in some area. Vein controlled epidote, chlorite, carbonate alteration (propylitic) is concentrated along fractures and permeates from fractures surfaces into the host rocks forming a halo of alteration adjacent to the fracture plane. Locally xenoliths, partly to completely replace by epidote and chlorite. Mafic minerals weakly to strongly altered to chlorite and locally to epidote (mainly close to fractures, veins and faults). Mafic minerals little replaced by magnetite. Initial pervasive epidote alteration is overprinted by secondary vein controlled epidote alteration. The distinctive alteration halo in relation to the veins observed. Within veins epidote mainly associated with chlorite, carbonate and clay. Hematite alteration, late overprint, is concentrated on fracture planes and pervasively stains. Silicification is patchy across interval, quartz veins and quartz flooding is concentrated in fracture zones. Locally weak potassic alteration, filling veins, **Structure:** Interval hosts abundant xenoliths of volcanic or fine grained rock types, rounded to subrounded, about 5cm of smaller in dimension size, sharp to semi sharp boundary, locally chill margin or concentration of mafics in contact. Mixing of these units has resulted in various fabrics, such as zoning, banding, intergrowth, flow and directive fabric of minerals. Hornblende, plagioclase and +/- biotite , coarse gained, crowd, locally appear as flow fabric within finer grained groundmass. Sparsely fractures, locally intense, all through interval, mainly fills with chlorite and epidote, average angle 50-60° c/a. Faults and related gouge are rarely observed. **Mineralization:** Minor disseminations of pyrite scattered throughout interval. Pyrite also observed in some fractures. Suspect trace, few specks of chalcopyrite and bornite in fractures and groundmass (replacing or adjacent to mafic minerals) and associated with quartz veins. @15.30m: Numbers of carbonate veins cut the unit in low angle to c/a at 20°. @17.75m: Carbonate vein, 1cm wide, 60° to c/a	1	1	1	3	3	1	2	1			0.2	0.5	0.5	0.1	0.1			Locally i xenoliths of volcanic and different rock types. Locally flow and banding fabrics, fractures, Faults and related gouge are rarely observed.
19.00	**50.00**	**Dio/Qd dominated in rock Banding.**		General features S.T.A. (3.66-19m) except that rock gradually changes to banded dominate unit. Altering of course and fine grained mafic and feldspar minerals. @23.42m: For 10s of cm strong epidotized section. Coarse grained euhydral crystals of epidote in fine grained groundmass. @23.47m: Carbonate veins, vuggy, 30° to c/a, has selvage of epidote. Sericite, clay filling fractures.																		
28.50	36.00		Mild Mineralization Zone	Several specks of chalcopyrite, pyrite and bornite as dissemination in groundmass replacing mafic minerals and in fractures with quartz and carbonate. i.e. @23.85m, 31.5m, 32m, 33.8m: Specks of bornite and chalcopyrite each about 1 to 2mm size. @35.99m: Quartz vein, 2.5cm wide, 50° to c/a, with epidote selvage and few specks of sulphides.																		
40.60	41.70		Fault Zone	Clay-sericite-chlorite gouge,or intense fractured zone, fractures and veins fills with sericite and chlorite, carbonate veins are common. @42.35m, 44.15m: 3mm thick carbonate vein intergrowth with hematite, epidote and chlorite, 30° to c/a. @44.5m: Area of typical larger mafic clusters (5cm dimensions). @47.10m: Trace fine-grained chalcopyrite, bornite, along tiny fracture, 60° to c/a, with 4mm mafics, chlorite selvage. @48m: Epidote, chlorite minerals banding, epidote rich zone. @49.5m: 4cm wide epidote rich section.																		

PROPERTY: **West Valley**	UTM ZONE: **10**	DRILLED FOR: **Happy Creek Minerals Ltd.**	DOWNHOLE SURVEY
MINING DIVISION: **Kamloops**	DATUM: **NAD83**	DRILLED BY: **Glen's Drilling**	INSTRUMENT: **Acid Test**
DDH # **WV10-02**	UTM-E: **634500**	START DATE: 1**8July 2010**	
OVERBURDEN: **0**	UTM-N: **5584600**	FINISH DATE: **22July 2010**	
TOTAL DEPTH: **285.6m**	ELEVATION: **1530**	LOGGED BY: **Sassan Liaghat**	
CORE SIZE: **NQ**	AZIMUTH: **90**		
	DIP: **-60**		

DEPTH	AZIMUTH	DIP
117.96		-55
185.01		-55
239.88		-53

INTERVAL (m): FROM	**TO**	**ROCK TYPE**	**ROCK sub TYPE**	**DESCRIPTION**	**QTZ VEI** >3mm	**ALTERATION (1-5): K-spa**	**Ser**	**Chl**	**Ep**	**Kaol**	**Carb**	**Silica**	**Mus**		**MINERALIZATION (%): Py**	**Mag**	**FeOX**	**Cpy**	**Bor**	**Cc**	**other**	**STRUCTURE**
50.00	**80.00**	**Coarse Grained Mafic Rich Diorite**		Rock gradually changes to coarse grained, high mafic (up to 80%) diorite. Locally altering of low and high mafic rocks, form banding structure. Locally clusters of epidote replacing rock minerals. In lower portion of interval, rock strongly epidote-chlorite altered, banding structure due to altering of coarse and fine grained rock minerals are common. Veinlets of chlorite, epidote, carbonate throughout, intense chlorite-epidote fractures in two sets of low and high angles direction to c/a. Unit quite devoid of sulphides. @54m: Carbonate, quartz veins and fractures, 10-20° to c/a, carbonate veins vuggy texture. @56.40m: Fractures fill with carbonate, sericite, chlorite and minor hematite, 20° to c/a. @56.90m: Broken fragments of rock in chlorite, epidote fracture/banding structures. 25° to c/a.																		
57.15	57.90		Shearing Fault Zone	Shearing zone, broken fragments of rock, chlorite, sericite, carbonate, epidote gouge, fractures and veins of carbonate are common and extend about 30cm on both sides. @ about 65m: Several subrounded xenoliths (max, 5cm dimensions) of very fine and dark mafic rock disperse. @66.18m: Carbonate vein, 4mm, 50° to c/a. @ about 67.70m and 69m: Coarse grained mafic minerals (hb) crowded, epidote fills space betweens. @68.55m: 4cm fine grained, dark green epidotized, chloritized dike, or part of xenoliths, contacts sharp, fine grained plagioclase in selvage, 50° to c/a.																		
80.00	**109.00**	**Dio/Qd dominated in rock Banding.**		General features S.T.A. (3.66-19m). Altering of fine and coarse grained minerals, high and low volume content of mafics and feldspars, produce banding structure in rock, oriented as a some direction of fractures, 50° to c/a. Locally clusters of epidote replacing rock minerals. Several subrounded xenoliths observed. Several short intermediate -selsic dikes cut through. **Mineralization:** This interval hosts for minor copper mineralization. Disseminations of bo, cp as replacements of mafic clots. Scattered euhydral/subhydral dissemination of pyrite. Subsections: Rock locally sericite, clay alteration bleached i.e. @83.50. @86.10m: For 15 cm intense banding structure in rock, space between coarse grained minerals fills with epidote. @91.52m and around: intensive carbonate epidote veins, anastemosing, in general, 40° c/a. @99.60: Irregular quartz veins, 0.4 to 1 cm wide. Specks of cp, bo and py @: 83.25m, 93.5m, 94.5m, 96m, 97.5m, 102m, 102.1m, 102.8m, 108.1m. @109.50m: Epidote, quartz vein, 50° to c/a. For 20 cm epidote replacing most of rock minerals.	1		2	3	3	1	3	1			0.1			0.2	0.2			banding structure, anastemosing, veins. Several Int-felsic dike, with sharp contacts
113.44	113.95		Intermediate-Felsic Dike	**Composition**: Intermediate grain sized, creamy white, equigranular dike, plagioclase (30-40%), euhydral biotite (5-10%), hornblende (10-15%), rounded quartz (20%), mild sericite, k-spar alteration. Sharp contact with concentration of epidote and chlorite. **Mineralization:** Locally Trace disseminations of py, cp. Subsections: @114.14m: Speck of bornite. @114.5m: Trace chalcopyrite grain. @115m: Subrounded xenoliths, fine-grained, margin coarse grained mafics, few vuggy carbonate veins. @116.50m: For 50 cm epidote replacing most of rock minerals (of existing dike), sharp contact, 50° to c/a, lower margin 2cm quartz, carbonate vein at same orientation with intense zone of epidote, chlorite fractured unit. From 119 to 127m: Banding structure in rock. Locally clusters of epidote replacing rock minerals. Several subrounded xenoliths observed (i.e. 120m). Coarse grained minerals and banding structures are more intense in lower part of this section and shows inter fingering texture locally. Trace disseminations of cp,bo.		2	2	1	1	1	2						0.3					Felsic Dike with sahrp contacts

PROPERTY:	**West Valley**	UTM ZONE: **10**	DRILLED FOR: **Happy Creek Minerals Ltd.**	DOWNHOLE SURVEY		
MINING DIVISION:	**Kamloops**	DATUM: **NAD83**	DRILLED BY: **Glen's Drilling**	INSTRUMENT:	**Acid Test**	
DDH #	**WV10-02**	UTM-E: **634500**	START DATE: 1**8July 2010**	DEPTH	AZIMUTH	DIP
OVERBURDEN:	**0**	UTM-N: **5584600**	FINISH DATE: **22July 2010**	117.96		-55
TOTAL DEPTH:	**285.6m**	ELEVATION: **1530**	LOGGED BY: **Sassan Liaghat**	185.01		-55
CORE SIZE:	**NQ**	AZIMUTH: **90**		239.88		-53
		DIP: **-60**				

INTERVAL (m):		ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI	ALTERATION (1-5):								MINERALIZATION (%):							STRUCTURE
FROM	TO				>3mm	K-spa	Ser	Chl	Ep	Kaol	Carb	Silica	Mus		Py	Mag	FeOX	Cpy	Bor	Cc	other	
				@127.70m: Epidote veins, 20° to c/a. @ about 129m: Strong epidotized section, coarse grained amphibolite clusters associated with smaller grains, locally subrounded xenoliths, up to 5cm in dimensions, trace disseminated py, cp. From 130.15 to 135.5m: Multiple occurrence of intense epidote altered zones, sharp contacts (may replaced an existing mafic dike), inside epidote appears as hair line filling micro fractures, parallel to rock fracturing and bandings at 50° to c/a. @137.45m: Vein of quartz-epidote-chlorite, plagioclase euhydral crystals in selvages. @137.90m: Quartz-epidote veins, 1.5 and 1cm wide, 90° and 85° to c/a, open space fillings, inside, minerals grow perpendicular to vein margin and are in comb and symmetrical structures, trace disseminated grains of py, cp. @144.40m: 3.5cm wide quartz vein or silicified felsic dike, scattered fine grained mafic minerals inside, sharp contacts, 80° to c/a, with epidote alteration zone and selvage of carbonate and chlorite fracture fillings. -Veins of quartz-feldspar intergrowth @147.5m: 5cm wide, 20° to c/a; @147.60m: 4cm, 30° to c/a; 147.80m: 3cm wide, 30° to c/a. From 148.70 to 149.5m: Same as above (130.15 to 135.5m), few patches of bo (each 2-3mm) within epidote. From 154 to 158.80m: Strongly altered, fractured, broken fragments rock, inter-fingering of fine and coarse grained, minor brecciated, trace cp and py grains at 154.5,160, 160.52m.																	
158.80	159.90		Fault Zone	Strong chlorite-epidote alteration, gouge, hematite in fractures and fault plates, contacts fractured and broken rocks and extend to upper and lower units. No mineralization observed.																	Fault shearing
164.30	165.00		Felsic Dike	Probably Skeena variety granodiorite, equigranular rock (about 4mm grain sized). **Composition:** 5% mafics (bi>hb); about 30% quartz; about 40% plagioclase. Contacts semi sharp with chill margin and mild potassic alterations (each sides about 10cm wide), upper and lower contacts 70° and 80° to c/a respectively. Fractures in dike fill with epidote and chlorite. No mineralization observed. From 165 to 173.20m: Fine and coarse grained rock, carbonate veins cut through are common, chlorite-epidote and carbonate fill fractures have halo of epidote. Trace cp, bo in fractures and as disseminations. From 172.5 to 174m: Intense epidote altered sections and carbonate veins are common, epidote filling numerous subparalle fine fractures (hair line feature). @173.20m: 3mm carbonate veins cut the unit at sub parallel to c/a. **Mineralization:** No copper minerals observed		2	2	2	1	2	3	1										Felsic Dike with sahrp contacts
178.00	178.90		Shearing Zone	Strongly chlorite-sericite-carbonate interval, abundant carbonate veins, about 8cm irregular shape carbonate vein adjacent to 1cm shearing gouge, few slicken sided faults also observed. Trace cp and bo within fractures.																	Shearing fault

PROPERTY: **West Valley**	UTM ZONE: **10**	DRILLED FOR: **Happy Creek Minerals Ltd.**	DOWNHOLE SURVEY		
MINING DIVISION: **Kamloops**	DATUM: **NAD83**	DRILLED BY: **Glen's Drilling**	INSTRUMENT: **Acid Test**		
DDH # **WV10-02**	UTM-E: **634500**	START DATE: 1**8July 2010**	DEPTH	AZIMUTH	DIP
OVERBURDEN: **0**	UTM-N: **5584600**	FINISH DATE: **22July 2010**	117.96		-55
TOTAL DEPTH: **285.6m**	ELEVATION: **1530**	LOGGED BY: **Sassan Liaghat**	185.01		-55
CORE SIZE: **NQ**	AZIMUTH: **90**		239.88		-53
	DIP: **-60**				

INTERVAL (m):		ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI	ALTERATION (1-5):								MINERALIZATION (%):							STRUCTURE
FROM	TO				>3mm	K-spa	Ser	Chl	Ep	Kaol	Carb	Silica	Mus		Py	Mag	FeOX	Cpy	Bor	Cc	other	
109.00	**216.00**	**Med Grained GD**		Dark gray-green, medium grained, mostly equigranular granodiorite, locally contains clutes of coarse grains of mafics. **Composition:** Plagioclase 30-40%; mafics 40-50%, hornblende>>bio; quartz 5-10%, carbonate veins cut through are common, chlorite-epidote and carbonate fill fractures have halo of epidote. Inhomogeneous distribution of secondary feldspar, locally concentrated along fractures and rock banding at 20 to c/a. Locally altering of fine and coarse grained rock, toward the bottom of interval rock color changes to more greenish and zone of intense epidote alteration inceases. **Structures:** Interval cut by several short felsic dikes with sharp margins **Mineralization:** Trace cp, py dissemination observe at 178.62, 179.68, 187m. From 188.5m: Rock more greenish and epidotized. Subsections: @192.5m: About 20cm wide, fine grained, dark green dike unit with sharp contact at top (50° to c/a) and brecciated lower contact, probably this unit is a piece of xenolith. @191.5m: Quartz vein, 6cm wide, inside solid inclusions of chloritized altered mafic minerals, 85° to c/a. @192.4m: Carbonate-clay-sericite fracture fillings, 30° to c/a. @194.16m: Quartz-carbonate-feldspar vein at low angle to c/a, extend curly about one meter along core axis. Inside, crack sealing features, symmetrical growth of minerals, intergrowth of quartz and feldspar crystals perpendicular to vein margin. Sharp margin, fine grained quartz in selvage, Locally epidotized. From 195 to 197.5m: Few quartz-carbonate-feldspar veins cut interval in different size and orientations. These veins evidenced of micro fault displacement of few mm in rock.	3	0	2	3	2	2	3	2			0.1			0.1				Quartz-carbonate-feldspar vein at low angle to c/a, Interval cut by several short felsic dikes with sharp margins
197.50	197.60		Felsic Dike	White-gray, coarse-medium grain size, 10cm true thickness, 30° to c/a. **Composition:** Quartz, rounded, 2-3mm, 30%; feldspar, 2-3 mm, subhedral; mafics (chl, epi altered), 2-3 mm, bio>hb, 10%. Sharp margins with fine grained epidote, chlorite, quartz crystallizations. Trace chalcopyrite and pyrite in fractures within dike and margins. From 200.85 to 202.35m: Rock strongly fractured, and altered. **Mineralization:** No copper minerals observed	2	1	2	1	1	1		2			0.1	0.5	0.5	0.1				Felsic dike with sharp margins
202.35	202.50		Felsic Dike	White-gray, medium-coarse-grain size, cm true thickness, 30° to c/a. **Composition:** Quartz, rounded, 2-3mm, 30%; feldspar, 2-3 mm, subhedral; mafics (chl, epi altered), 2-3 mm, bio>hb, 10%. Sharp margins with fine grained epidote, chlorite, quartz crystallizations. Sharp contact with chill margin and K-spar alteration are in upper margin. Lower contact broken fragments of dike mix with mafic rich host rock and stained with mild potassic alteration. Quartz veins cut through in irregular shapes and thickness. **Mineralization:** No copper minerals observed	2	1	2	1	1	1	1	2			0.1	0.5	1					Felsic dike with sharp margins
208.40	208.46		Felsic Dike	S.T.A. (197.5m), 6cm, 40° to c/a.																		
208.80	208.95		Felsic Dike	S.T.A. (197.5m), 15cm, 65° to c/a, contact more altered. @212.60, 215, 215.49m (with 5 cm carbonate vein, 30° to c/a): Epidote zone, 10 to 30 cm wide.																		
216.00	**219.50**	**Fault Zone**		Sheared/broken, strong hematite, chlorite alteration throughout interval. Hematite/carbonate veining and fracturing at 50° to c/a. Hematite zone healed autobreccia. Diffuse 1-2mm disseminations of pyrite scattered throughout interval. Zones of intense epidote alteration, over lower portion of interval extended to about 219.5m. **Mineralization:** No copper minerals observed	1	1	2	3	2	1	2				0.1		3					Sheared/broken, strong fractured gougee
219.50	**234.00**	**Med Grained GD**		General characteristic S.T.A. (109- 216m), @ 227.68m: Carbonate-calcite vein, 4mm wide, vuggy, parallel to c/a. **Mineralization:** No copper minerals observed																		

PROPERTY:	**West Valley**	UTM ZONE: **10**	DRILLED FOR: **Happy Creek Minerals Ltd.**	DOWNHOLE SURVEY	
MINING DIVISION:	**Kamloops**	DATUM: **NAD83**	DRILLED BY: **Glen's Drilling**	INSTRUMENT: **Acid Test**	
DDH #	**WV10-02**	UTM-E: **634500**	START DATE: 1**8July 2010**	DEPTH / AZIMUTH / DIP	
OVERBURDEN:	**0**	UTM-N: **5584600**	FINISH DATE: **22July 2010**	117.96 / / -55	
TOTAL DEPTH:	**285.6m**	ELEVATION: **1530**	LOGGED BY: **Sassan Liaghat**	185.01 / / -55	
CORE SIZE:	**NQ**	AZIMUTH: **90**		239.88 / / -53	
		DIP: **-60**			

INTERVAL (m): FROM	TO	ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI >3mm	ALTERATION (1-5): K-spa	Ser	Chl	Ep	Kaol	Carb	Silica	Mus		MINERALIZATION (%): Py	Mag	FeOX	Cpy	Bor	Cc	other	STRUCTURE
234.00	**262.50**	**Fault Zone**		Sheared/broken, strong hematite, chlorite alteration throughout interval. Hematite/carbonate clay gouge throughout much of interval, quartz veining and fracturing at 50 to c/a. Hematite zone healed autobreccia. Clasts monolithic, angular. Matrix, fine grained hematite altered gouge. **Mineralization:** Trace dissemination of pyrite and chalcopyrite observed. subsection: @239.23m, 249.10m: Hematite rich section. @240.80m: Quartz vein, 5cm wide, sharp contacts, small pieces of hosted rock as solid inclusion. @ 245.90m: Chlorite rich section, chlorite-sericite-clay fracture fillings are common in this part. Locally hematite rich sections, like: 239.25, 247.5, 249.30, 262.10m.	2	1	2	3	2	1	2						4	0.1				Sheared/broken, strong fractured gougee
262.50	**285.60**	**Med Grained GD**		General characteristic S.T.A. (109- 216m), with typical larger mafic cluster, and lower numbers of epidote veins. Relatively more solid. **Mineralization:** Few specks of cp, bo specks at upper portion of interval (i.e. 275.85m).																		
EOH																						

PROPERTY:	West Valley		UTM ZONE: 10	DRILLED FOR: Happy Creek Minerals Ltd.	DOWNHOLE SURVEY		
MINING DIVISION:	Kamloops		DATUM: NAD83	DRILLED BY: Glen's Drilling	INSTRUMENT: Acid Test		
DDH #	WV10-03		UTM-E: 635080	START DATE: 22-Jul-06	DEPTH	AZIMUTH	DIP
OVERBURDEN:	3.66		UTM-N: 5583700	FINISH DATE: 25-Jul-06	99.7		-55
TOTAL DEPTH:	191.11		ELEVATION: 191.11	LOGGED BY: Sassan Liaghat	154.5		-55
CORE SIZE:	NQ		AZIMUTH: 90				
			DIP: -55				

INTERVAL (m):		ROCK TYPE	ROCK sub TYPE	DESCRIPTION	QTZ VEI	ALTERATION (1-5):								MINERALIZATION (%):							STRUCTURE
FROM	TO				>3mm	K-spa	Ser	Chl	Ep	Kaol	Carb	Silica	Mus		Py	Mag	FeOX	Cpy	Bor	Cc	other	
0.00	3.66	OVB/Till		Overburden and broken fragments of the following rocks.																		
3.66	15.20	Dio/Qd dominated in foliation and banding fabrics		Interval tentatively interpreted to be Border (Hybrid) phase. Rock is melanocratic, light to dark green quartz diorite/ diorite. The unit dominated in foliation and banding fabrics; due to variation in mineralogy and minerals grain size. Locally groundmass light green-gray to dark green, mottled color due to varying concentration of and distribution of minerals, fine to coarse grained (1mm to 15mm), locally dominated to coarse grains, equigranular to unequigranular. In some area, porphyry (phenos: biotite hornblende). Interval hosts for rounded to subrounded mafic composition xenoliths (few mm to few cm in sized). In general, foliation in this interval is moderate and seen to be intense locally due to fault zone. Rock minerals mainly re-oriented toward the foliation trend (40°-60° c/a). **Composition:** Rock composition quite variable, 30°-60°% plagioclase (<1 to 5mm), euhydral to subhydral, locally crowded, zoned and banded, 7-10% anhydral gray interstitial quartz (<1 to 4mm), 30-60% mafics (predominantly hornblende, or hornblende > biotite) locally up to 80% crowded, mostly euhydral, up to 1cm in size, locally zoned, banded, 1-4% compositional magnetite. **Alteration:** Alteration quite variable, pervasive propylitic alteration range from weak to medium. Moderate potassic and sericite alterations are present in some area, particularly in lower portion of interval. Vein controlled epidote, chlorite, carbonate alteration (propylitic) is concentrated along fractures and permeates from fractures surfaces into the host rocks forming a halo of alteration adjacent to the fracture plane. Mafic minerals weakly to strongly altered to chlorite and locally to epidote (mainly close to fractures, veins and faults). Locally patches of mafics, partly to completely replace by epidote and chlorite. Mafic minerals little replaced by magnetite. Initial pervasive epidote alteration is overprinted by secondary vein controlled epidote alteration. The distinctive alteration halo in relation to the veins observed. Within veins epidote mainly associated with chlorite, carbonate and clay. Carbonate (locally calcite) vein, veinlets and anastomosis veins are major alteration features in this interval. **Structure**: Metamorphism and deformation have resulted in foliation and banding fabrics and directive texture (preferred orientation) of minerals. Rock foliation and fracture fabrics are orient about at same direction. Sparsely fractures, locally intense, all through interval, mainly fills with carbonate, chlorite and epidote, mostly low angle to c/a. **Mineralization:** Unit quite devoid of sulphides. Subsections: @10.5 and 11m: Intense chlorite and carbonate alterations. @14.5m: Sericite bleached zone, with minor hematite staining. @15m: Few micro faults with few displacement plates cut through rock, 40°to 60° c/a.		0	2	4	1	2	4	1				3.0	0.5					foliation and banding fabrics
15.20	18.80	Mafic Dike		Dark green, very fine grained mafic rock, suhydral to anhydral biotite, 1mm in sized is only observable mineral (ave. ~5 sus, max 13 sus). Moderate to strong chlorite-alteration replacing mafic minerals and filling fractures. In middle part of interval, rock intensive broken and carbonate vein dominated. Hematite in fractures and some parts stains host rock minerals. Contacts broken and in upper margin for tens of cm is bleached. **Mineralization**: No sulphide mineralization observed.		0	2	4	2	2	4					3.0						Dike, Contacts broken and in upper margin for tens of cm is bleached.
18.80	19.70	Dio/Qd dominated in foliation and banding fabrics		**General characteristic:** S.T.A (3.66-15.20m). Locally very strong chlorite, sericite, carbonate and clay alterations. Altering of coarse and fine grained mafic and feldspar minerals. Numerous veins of carbonate in different directions (anastomatic). Locally hematite veins and staining are common. Occasionally altering of coarse (mainly hb, bio) and fine grained minerals. The mafics are generally in clusters. Toward the lower portion of interval rock getting more intense in sericite alteration. **Mineralization:** Trace pyrite, chalcopyrite mineralization in fractures and adjacent or replacing mafic coarse grained patchy minerals.		0	2	4	2	3	4	1			0.1	4.0	1.0	0.1				Numerous veins of carbonate in different directions (anastomatic).
19.70	21.50	Shearing Fault		Shearing fault with light green gouge of epidote, chlorite, clay and carbonate. Slicken-side, 50° to c/a. **Mineralization:** No sulphide mineralization observed.		0	2	5	2	3	4	1				2.0	1.0					Shearing Fault
21.50	75.00	Dio/Qd dominated in foliation and banding fabrics		**General characteristic:** S.T.A (3.66-15.20m). 33.92- 34.90m: Zone of strong epidote alteration, gradually fade in both sides. Carbonate and chlorite veins are common. Some parts short sized (3 -5cm) gouge.Carbonate anastomatic veins andlocally intense fine spaced sheared/foliated rock. **Mineralization:** trace to minor sulphide mineralization observed.		0	2	4	2	3	4	1				4.0	1.0	0.1	0.1			Carbonate anastomatic veins

PROPERTY:	West Valley
MINING DIVISION:	Kamloops
DDH #	WV10-03
OVERBURDEN:	3.66
TOTAL DEPTH:	191.11
CORE SIZE:	NQ

UTM ZONE: **10**
DATUM: **NAD83**
UTM-E: **635080**
UTM-N: **5583700**
ELEVATION: **191.11**
AZIMUTH: **90**
DIP: **-55**

DRILLED FOR: **Happy Creek Minerals Ltd.**
DRILLED BY: **Glen's Drilling**
START DATE: **22-Jul-06**
FINISH DATE: **25-Jul-06**
LOGGED BY: **Sassan Liaghat**

DOWNHOLE SURVEY
INSTRUMENT: Acid Test

DEPTH	AZIMUTH	DIP
99.7		-55
154.5		-55

55.00	57.00		Mild mineralization zone	Chalcopyrite, bornite dissemination, replacing mafics, associated with mafic minerals and close to or within fractures @ 55, 58.03, 61.10, 62.10, 62.13, 62.15, 63, 66.10m. -About 70.5m: Felsic dike, S.T.A. (57.95 to 57.97m), 2 to 10cm wide, extend for 1m, 10° c/a, contact sharp without alteration. @71, 72.20m: Altering of fine and coarse grained rock, mafics are generally in clusters (mag sus is ~ 140). @71.95m: Trace patchy of chalcopyrite. @73.03m: 10cm fault, dark green gouge.																			
74.00	**74.63**	**Shearing Fault**		Shearing/foliated, highly altered unit, hematite-chlorite gouge, concentration of carbonate, epidote veins (mainly 80° c/a). @80.40m: Intensive epidote alteration zone,		1	2	4	3	2	4					2.0	4.0					Shearing Fault
74.63	**172.80**	**Dio/Qd dominated in foliation and banding fabrics**		**General characteristic:** S.T.A (3.66-15.20m). **Mineralization:** Trace cpy bo as dissemination in this interval Subsections: From 81.30-81.45m: Fault, chlorite-epidote-carbonate gouge. From 83-84.30m: Ductile deformation of groundmass, micro folding and wavy textures of mafic and feldspars, numerous carbonate veins in different trends. @83.50m: Felsic dike, part of the dike as above (57.95 to 57.97m), about 5cm true wide, 15 c/a. Minor hematite, k-spar and strong sericite in selvage. @86.40, 87.38m: Felsic dike, S.T.A. (57.95 to 57.97m). @87.48m: Trace cpy as dissemination. @93.67m: Chl, ser, car gouge. @96.60m: Ductile deformation of groundmass, micro folding, numerous carbonate veins in different trends. @108.50, 108m: Chl, ser, carb, clay gouge. @113, 114, 116m: Are examples of highly foliated rock, with carbonate veins and intense sericite alteration. @114.5m: Coarse grained mafics clusters. @122m: Chl, ser, car, clay gouge. @124.17m: Vuggy carbonate veins with calcite crystals, 3mm wide, 50° c/a. @127.75m: For tens of cm rock bleached, hematitic stained, carbonate veins are common, locally epidote. @ 114, 116.85, 124.10, 124.60m: Trace dissemination of cp, bo within groundmass, replacing mafics.		1	2	3	2	2	3					3.0	4.0	0.1	0.1			Ductile deformation of groundmass, micro folding and wavy textures of mafic and feldspars, numerous carbonate veins in different trends. Part of felsic dike,
127.80	**128.80**	**Shearing Fault**		Shearing fault with brecciate and bleached zone in centre and outward to both sides for about one metre, light-green gouge of sericite, chlorite and carbonate. Clasts are angular in hematite stained matrix, calcite and carbonate veins and fracture fillings. Contacts 30° to c/a. **Mineralization**: No sulphide mineralization observed.		1	2	3	3	3	4					2.0	4.0					Shearing fault with brecciate
128.80	**142.00**	**Med Fine-Grained Gd**		Dark gray-green, medium–fine grained, mostly equigranular granodiorite, locally contains clutes of coarse grains of mafics. **Composition:** Plagioclase 30-40%, 1-2mm; mafics 40-50%, hornblende>>bio; quartz 5-10%, carbonate veins cut through are common, chlorite-epidote and carbonate fill fractures with halo of epidote. Inhomogeneous distribution of feldspar and mafics, locally altering of fine and coarse grained rock, toward the bottom of interval rock grains change to coarser sized and interfere by finer units. **Mineralization:** -Few cpy, bo patches in clutes of mafics , and replacing mafic minerals.											3.0	2.0	0.2	0.1			
142.00	**143.50**	**Felsic dike**		Felsic dike (S.T.A. 57.95 to 57.97m), fine grained phaneritic, grayish white, equigranular, anhedral groundmass plagioclase 40%, quartz 20%, mafics 10%, whitish color, irregular thickness and trend, in general, parallel to c/a. weakly altered (k-spar-ser). Minor concentration of chlorite and epidote in semi-sharp margins. **Mineralization:** No sulphide mineralization observed.		1	2	1	1	1	1	2				1.0						Felsic dike with semi-sharp margins

PROPERTY:	West Valley
MINING DIVISION:	Kamloops
DDH #	WV10-03
OVERBURDEN:	3.66
TOTAL DEPTH:	191.11
CORE SIZE:	NQ

UTM ZONE: **10**
DATUM: **NAD83**
UTM-E: **635080**
UTM-N: **5583700**
ELEVATION: **191.11**
AZIMUTH: **90**
DIP: **-55**

DRILLED FOR: **Happy Creek Minerals Ltd.**
DRILLED BY: **Glen's Drilling**
START DATE: **22-Jul-06**
FINISH DATE: **25-Jul-06**
LOGGED BY: **Sassan Liaghat**

DOWNHOLE SURVEY
INSTRUMENT: Acid Test

DEPTH	AZIMUTH	DIP
99.7		-55
154.5		-55

143.50	**191.11**	**Medium-fine-grained GD-Diorite**		Rock is melanocratic quartz diorite/ diorite. Locally mineralogically/grain sized banded. Groundmass light green-gray to dark green, mottled color due to varying concentration of and distribution of minerals, fine to coarse grained (1mm to 15mm), locally dominated to coarse grains, equigranular to unequigranular. **Composition:** Rock composition quite variable change from upper unit medium-fine-grained GD (128.80 – 150.90m) to diorite unit 30-60% plagioclase (<1 to 5mm), euhydral to subhydral, locally crowded, zoned and banded, 7-10% anhydral grey interstitial quartz (<1 to 4mm), 30-60% mafics (predominantly hornblende, or hornblende > biotite) locally up to 80% crowded, mostly euhydral, up to 1cm in size, locally zoned, banded, 1-4% compositional magnetite. **Alteration:** Alteration quite variable, pervasive propylitic alteration range from weak to medium. Vein controlled epidote, chlorite, carbonate alteration (propylitic) is concentrated along fractures and permeates from fractures surfaces into the host rocks forming a halo of alteration adjacent to the fracture plane. Mafic minerals weakly to strongly altered to chlorite and locally to epidote (mainly close to fractures, veins and faults). Initial pervasive epidote alteration is overprinted by secondary vein controlled epidote alteration. Locally weak potassic alteration, filling veins, overprints potassic feldspar and plagioclase. Carbonitization is strong and patchy, significant concentrations exist along fractures and pervasive alteration. **Structure:** Toward the lower portion of interval rock gradually change to mafic rich and foliated unit with preferred oriented feldspar and mafic minerals, various fabrics, such as zoning, banding, intergrowth, flow and directive fabric of minerals. Hornblende, plagioclase and +/- biotite , coarse gained, crowd, locally appear as flow fabric within finer grained groundmass. **Mineralization:** Cpy and bo observed as trace disseminations and patches and replacing mafic minerals. **Subsections:** @144.25m: Irregular carbonate vein, 1-3cm wide, stains with iron oxide. @152m: 2cm felsic intermediate dike, 80° c/a. @152.40m: Small zone of epidote rich gouge. @155.50m: 3mm wide, irregular, uncontinuous chlorite-bornite vein. @ about 167m: 2cm carbonate veins stain with hematite, subparallel to c/a and 2cm offset by microfault, epidote veins present. @174m: Fault zone, chlorite hematite gouge, breccias fills with carbonate, general trend 50° to c/a.		1	2	4	2	3	3					3.0	3.0	0.1	0.1			foliated unit with preferred oriented feldspar and mafic minerals, zoning, banding, intergrowth, flow and directive fabric of minerals.
174.00	176.00		Mild mineralized zone	@ about 184m: Concentration of coarse grained amphibolit., @184.70m: 10cm chl, epidote gouge. @ about 185m: Altering of fine and coarse grained (banding) diorite, 85° to c/a. @188.50m: Small zone of epidote gouge.																	
191.11m EOH																							

Appendix 3

Drill Core Assay summary

DDH-ID	Sample #	From (m)	to (m)	Length (m)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)	Ag (ppm)
WV10-01	5280813	2.44	5	2.56	406	0.6	0.8	22.7	<0.01	0.14
WV10-01	5280814	5	7.5	2.5	260	0.48	0.5	20.8	<0.01	0.08
WV10-01	5280815	7.5	10	2.5	266	0.67	1.3	23.6	1.2	0.3
WV10-01	5280816	10	12.5	2.5	303	0.44	0.9	41.6	0.03	0.14
WV10-01	5280817	12.5	15	2.5	289	0.37	0.5	38.9	<0.01	0.09
WV10-01	5280818	15	16.7	1.7	269	0.41	0.5	33.5	<0.01	0.08
WV10-01	5280819	16.7	18.65	1.95	101	0.93	1.5	13.7	<0.01	0.02
WV10-01	5280821	18.65	20	1.35	127	0.41	0.9	34	<0.01	0.09
WV10-01	5280822	20	22.5	2.5	255	0.51	0.5	34.4	<0.01	0.09
WV10-01	5280823	22.5	25	2.5	642	1.24	0.5	37.7	<0.01	0.15
WV10-01	5280824	25	27.5	2.5	286	1.51	0.5	36.6	<0.01	0.1
WV10-01	5280825	27.5	30	2.5	434	0.39	0.4	21.2	<0.01	0.13
WV10-01	5280826	30	32.5	2.5	380	0.9	0.6	28.8	<0.01	0.11
WV10-01	5280827	32.5	35	2.5	306	0.47	0.5	39	<0.01	0.11
WV10-01	5280828	35	37.5	2.5	395	0.35	2.6	89.9	<0.01	0.24
WV10-01	5280829	37.5	40	2.5	595	0.51	0.7	34.7	<0.01	0.16
WV10-01	5280831	40	42.5	2.5	409	2.5	0.9	46.6	<0.01	0.13
WV10-01	5280832	42.5	45	2.5	376	1.54	0.7	50.5	<0.01	0.1
WV10-01	5280833	45	47.5	2.5	425	0.93	0.7	46.4	<0.01	0.12
WV10-01	5280834	47.5	50	2.5	412	0.59	0.8	37.6	<0.01	0.12
WV10-01	5280835	50	52.5	2.5	438	0.96	0.7	35.4	<0.01	0.15
WV10-01	5280836	52.5	55	2.5	417	0.77	0.8	27.7	<0.01	0.13
WV10-01	5280837	55	57.5	2.5	229	0.66	0.6	36.3	<0.01	0.05
WV10-01	5280838	57.5	60	2.5	345	0.74	0.6	40	<0.01	0.09
WV10-01	5280839	60	62.5	2.5	292	0.67	0.7	45.9	<0.01	0.11
WV10-01	5280841	62.5	65	2.5	276	0.77	0.7	42.1	<0.01	0.11
WV10-01	5280842	65	67.5	2.5	186	0.86	0.6	43.8	<0.01	0.07
WV10-01	5280843	67.5	70	2.5	232	0.75	0.7	43.2	<0.01	0.12
WV10-01	5280844	70	72.5	2.5	212	0.76	0.7	46.6	<0.01	0.08
WV10-01	5280845	72.5	75	2.5	172	0.72	0.6	37.7	<0.01	0.07
WV10-01	5280846	75	77.5	2.5	230	0.82	0.6	34.5	<0.01	0.07
WV10-01	5280847	77.5	80	2.5	226	0.55	0.5	32.7	<0.01	0.07
WV10-01	5280848	80	82.5	2.5	189	0.51	0.5	26.3	<0.01	0.07
WV10-01	5280849	82.5	85	2.5	199	0.62	0.9	29.9	<0.01	0.07
WV10-01	5280851	85	87.5	2.5	137	0.49	0.8	30.9	<0.01	0.06
WV10-01	5280852	87.5	90	2.5	146	0.65	0.8	42.8	<0.01	0.06
WV10-01	5280853	90	92.5	2.5	191	0.59	0.8	37.5	<0.01	0.07
WV10-01	5280854	92.5	95	2.5	187	0.53	0.6	38.1	<0.01	0.07
WV10-01	5280855	95	97.5	2.5	245	0.74	0.9	37.6	0.01	0.1
WV10-01	5280856	97.5	100	2.5	132	1.25	1.8	48	<0.01	0.04
WV10-01	5280857	100	102.5	2.5	304	0.55	0.4	33.8	<0.01	0.09
WV10-01	5280858	102.5	105	2.5	257	0.45	0.5	43.6	<0.01	0.08
WV10-01	5280859	105	107.5	2.5	177	0.42	0.5	36.2	<0.01	0.07
WV10-01	5280861	107.5	110	2.5	299	2.5	0.5	47.9	<0.01	0.11
WV10-01	5280862	110	112.5	2.5	269	0.58	0.6	39.7	<0.01	0.1

DDH-ID	Sample #	From (m)	to (m)	Length (m)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)	Ag (ppm)
WV10-01	5280863	112.5	115	2.5	151	0.77	0.8	58.1	<0.01	0.05
WV10-01	5280864	115	117.5	2.5	158	0.74	0.6	40.7	<0.01	0.06
WV10-01	5280865	117.5	120	2.5	141	0.45	0.5	55	<0.01	0.05
WV10-01	5280866	120	122.5	2.5	373	0.48	0.5	40.6	<0.01	0.1
WV10-01	5280867	122.5	125	2.5	241	0.37	0.7	47.6	<0.01	0.07
WV10-01	5280868	125	127.7	2.7	476	0.74	0.9	48.8	<0.01	0.2
WV10-01	5280869	127.7	130	2.3	655	0.69	0.7	45.2	<0.01	0.19
WV10-01	5280871	130	132.5	2.5	198	0.57	0.6	24.7	<0.01	0.07
WV10-01	5280872	132.5	135	2.5	476	0.52	0.7	44	<0.01	0.13
WV10-01	5280873	135	137.5	2.5	171	0.63	0.9	63.9	<0.01	0.05
WV10-01	5280874	137.5	140	2.5	387	0.54	1.3	62.7	<0.01	0.11
WV10-01	5280875	140	142.5	2.5	546	1.06	0.8	53.7	<0.01	0.09
WV10-01	5280876	142.5	145	2.5	727	0.7	1.1	59.4	<0.01	0.15
WV10-01	5280877	145	147.5	2.5	331	0.49	0.7	48.1	<0.01	0.08
WV10-01	5280878	147.5	150	2.5	258	0.7	0.7	55.8	<0.01	0.08
WV10-01	5280879	150	152.5	2.5	215	0.5	0.9	60.9	<0.01	0.07
WV10-01	5280881	152.5	155	2.5	248	0.92	1.4	54.4	<0.01	0.09
WV10-01	5280882	155	157.5	2.5	312	0.59	0.6	32.9	<0.01	0.1
WV10-01	5280883	157.5	160	2.5	398	1.43	0.8	48.3	<0.01	0.1
WV10-01	5280884	160	162.5	2.5	305	0.75	0.7	45	<0.01	0.06
WV10-01	5280885	162.5	165	2.5	532	1.73	0.6	55.9	<0.01	0.1
WV10-01	5280886	165	168.1	3.1	465	0.66	1	42.6	<0.01	0.1
WV10-01	5280887	168.1	170.5	2.4	18.5	1.32	1.1	21.6	<0.01	0.02
WV10-01	5280888	170.5	172.5	2	29.2	1.31	1.3	18.8	<0.01	0.03
WV10-01	5280889	172.5	175	2.5	391	0.64	1.1	58.8	<0.01	0.1
WV10-01	5280891	175	177.5	2.5	303	0.66	0.9	55.5	<0.01	0.09
WV10-01	5280892	177.5	180	2.5	359	0.6	0.8	52.5	<0.01	0.12
WV10-01	5280893	180	182.5	2.5	355	0.91	0.7	36.8	<0.01	0.14
WV10-01	5280894	182.5	185	2.5	292	0.56	0.6	35.5	<0.01	0.11
WV10-01	5280895	185	187.5	2.5	355	1	0.7	29.8	<0.01	0.13
WV10-01	5280896	187.5	190	2.5	327	0.6	0.5	33.4	<0.01	0.09
WV10-01	5280897	190	192.5	2.5	969	1.33	0.6	48.3	<0.01	0.81
WV10-01	5280898	192.5	195	2.5	213	0.36	0.5	40.1	<0.01	0.09
WV10-01	5280899	195	197.5	2.5	185	0.35	0.6	39.9	<0.01	0.07
WV10-01	5280900	197.5	200	2.5	417	0.4	0.6	30.7	<0.01	0.14
WV10-01	5280901	200	202.5	2.5	581	0.26	0.6	26.2	<0.01	0.15
WV10-01	5280902	202.5	205	2.5	884	0.36	0.7	23.9	<0.01	0.22
WV10-01	5280903	205	207.5	2.5	534	0.9	0.7	38.6	<0.01	0.2
WV10-01	5280904	207.5	210	2.5	491	0.39	0.9	33.4	<0.01	0.17
WV10-01	5280905	210	212.5	2.5	406	0.39	0.8	48.6	<0.01	0.12
WV10-01	5280906	212.5	215	2.5	236	0.52	0.6	30.3	<0.01	0.09
WV10-01	5280907	215	217.5	2.5	249	0.29	0.6	29.5	<0.01	0.1
WV10-01	5280908	217.5	220	2.5	400	0.34	0.7	45.8	<0.01	0.12
WV10-01	5280909	220	222.5	2.5	254	0.7	0.5	41.5	<0.01	0.09
WV10-01	5280910	222.5	225	2.5	385	0.45	0.6	51.3	<0.01	0.17

DDH-ID	Sample #	From (m)	to (m)	Length (m)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)	Ag (ppm)
WV10-01	5280911	225	227.5	2.5	347	0.54	0.6	44.4	<0.01	0.13
WV10-01	5280912	227.5	230	2.5	395	0.33	0.5	24.7	<0.01	0.14
WV10-01	5280913	230	232.5	2.5	342	0.35	0.7	27.5	<0.01	0.13
WV10-01	5280914	232.5	235	2.5	343	0.39	0.5	28.3	<0.01	0.1
WV10-01	5280915	235	237.5	2.5	319	0.41	0.7	38.7	<0.01	0.09
WV10-01	5280916	237.5	240	2.5	353	0.41	0.6	55.5	<0.01	0.1
WV10-01	5280917	240	242.5	2.5	244	0.67	0.7	61.7	<0.01	0.22
WV10-01	5280918	242.5	245	2.5	401	2.08	0.7	61.8	<0.01	0.1
WV10-01	5280919	245	247.5	2.5	512	0.45	0.7	51.2	0.02	0.16
WV10-01	5280921	247.5	250	2.5	554	0.42	0.7	41.7	<0.01	0.14
WV10-01	5280922	250	252.5	2.5	511	0.52	0.7	30.5	<0.01	0.16
WV10-01	5280923	252.5	255	2.5	481	0.42	0.7	36.6	<0.01	0.15
WV10-01	5280924	255	257.5	2.5	270	0.66	0.9	49.4	<0.01	0.11
WV10-01	5280925	257.5	260	2.5	262	0.51	0.7	38.5	<0.01	0.09
WV10-01	5280926	260	262.5	2.5	376	0.58	0.5	23	<0.01	0.1
WV10-01	5280927	262.5	264.26	1.76	184	0.54	0.5	22.4	<0.01	0.07
WV10-02	5280928	3.66	7.5	3.84						
WV10-02	5280929	7.5	10	2.5						
WV10-02	5280931	10	12.5	2.5						
WV10-02	5280932	12.5	15	2.5						
WV10-02	5280933	15	17.5	2.5	0.18	402	362	2.86	0.2	5.3
WV10-02	5280934	17.5	20	2.5	0.22	430	1020	4.56	0.3	6.74
WV10-02	5280935	20	22.5	2.5	0.12	398	962	4.43	1.8	5.88
WV10-02	5280936	22.5	25	2.5	0.23	353	1170	4.28	1.1	6.69
WV10-02	5280937	25	27.5	2.5	0.06	465	1270	4.9	0.8	7.83
WV10-02	5280938	27.5	30	2.5	0.12	458	1220	5.12	1.3	3.97
WV10-02	5280939	30	32.5	2.5	0.06	474	1330	5.25	0.6	6.32
WV10-02	5280941	32.5	35	2.5	0.07	452	1180	4.53	1.5	6.34
WV10-02	5280942	35	37.5	2.5	<0.05	389	1110	4.72	0.5	6.04
WV10-02	5280943	37.5	40	2.5	0.05	409	1140	4.36	0.7	6.29
WV10-02	5280944	40	42.5	2.5	0.14	599	1190	7.49	0.8	4.99
WV10-02	5280945	42.5	45	2.5	0.07	450	1070	6.02	0.4	6.32
WV10-02	5280946	45	47.5	2.5	0.07	475	1210	7.07	1	6.23
WV10-02	5280947	47.5	50	2.5	0.09	438	1060	6.19	0.7	5.92
WV10-02	5280948	50	52.5	2.5						
WV10-02	5280949	52.5	55	2.5						
WV10-02	5280951	55	57.5	2.5						
WV10-02	5280952	57.5	60	2.5						
WV10-02	5280953	60	62.5	2.5						
WV10-02	5280954	62.5	65	2.5						
WV10-02	5280955	65	67.5	2.5						
WV10-02	5280956	67.5	70	2.5						
WV10-02	5280957	70	72.5	2.5						
WV10-02	5280958	72.5	75	2.5						
WV10-02	5280959	75	77.5	2.5						

DDH-ID	Sample #	From (m)	to (m)	Length (m)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)	Ag (ppm)
WV10-02	5280961	77.5	80	2.5						
WV10-02	5280962	80	82.5	2.5	0.06	385	1030	5.29	0.3	6.95
WV10-02	5280963	82.5	85	2.5	0.07	462	974	5.07	0.8	6.57
WV10-02	5280964	85	87.5	2.5	0.08	477	1100	6.66	0.6	6.13
WV10-02	5280965	87.5	90	2.5	0.14	486	1190	6.25	0.5	6.15
WV10-02	5280966	90	92.5	2.5	0.17	467	1150	6.21	0.5	6.17
WV10-02	5280967	92.5	95	2.5	0.14	327	1170	6.27	0.4	6.28
WV10-02	5280968	95	97.5	2.5	0.1	424	1210	6.17	0.4	6.74
WV10-02	5280969	97.5	100	2.5	0.08	355	980	4.88	0.5	6.09
WV10-02	5280971	100	102.5	2.5	0.1	307	961	4.9	0.6	6.46
WV10-02	5280972	102.5	105	2.5	0.09	440	662	3.95	0.4	6.79
WV10-02	5280973	105	107.5	2.5	0.11	535	379	3.42	0.4	4.48
WV10-02	5280974	107.5	110	2.5	0.09	390	727	3.92	0.5	7.14
WV10-02	5280975	110	112.5	2.5	0.13	472	686	3.54	0.6	7.21
WV10-02	5280976	112.5	115	2.5	0.15	374	935	4.24	0.4	6.46
WV10-02	5280977	115	117.5	2.5	0.06	381	131	2.06	0.5	6.1
WV10-02	5280978	117.5	120	2.5	0.06	374	554	3.42	1.4	6.55
WV10-02	5280979	120	122.5	2.5	0.07	287	992	4.4	0.5	3.4
WV10-02	5280981	122.5	125	2.5	0.06	302	269	2.59	0.4	6.82
WV10-02	5280982	125	127.5	2.5	0.09	376	173	2.23	0.3	6.6
WV10-02	5280983	127.5	130	2.5	0.08	438	186	2.9	0.3	6.08
WV10-02	5280984	130	132.5	2.5	0.06	458	332	3.27	0.6	5.43
WV10-02	5280985	132.5	135	2.5	0.07	462	951	4.6	0.7	6.82
WV10-02	5280986	135	137.5	2.5	0.11	483	1140	5.85	0.7	6.34
WV10-02	5280987	137.5	140	2.5	0.14	434	1140	6.03	0.8	6.36
WV10-02	5280988	140	142.5	2.5	0.1	477	1120	5.97	0.7	6.17
WV10-02	5280989	142.5	145	2.5	0.1	627	1100	7.24	0.7	6.13
WV10-02	5280991	145	147.5	2.5	0.09	660	1430	8.61	0.8	6.37
WV10-02	5280992	147.5	150	2.5	0.07	669	972	6.78	0.5	5.9
WV10-02	5280993	150	152.5	2.5	0.09	480	984	7.13	0.4	4.76
WV10-02	5280994	152.5	155	2.5	0.1	630	939	8.82	0.4	4.77
WV10-02	5280995	155	157.5	2.5	0.08	676	1050	8.64	0.5	5.98
WV10-02	5280996	157.5	160	2.5	0.22	574	965	8.51	0.8	5.37
WV10-02	5280997	160	162.5	2.5	0.1	545	1010	7.32	0.6	6.4
WV10-02	5280998	162.5	165	2.5	0.07	418	700	4.98	0.5	5.99
WV10-02	5280999	165	167.5	2.5	0.1	584	1030	8.92	0.5	5.29
WV10-02	5281001	167.5	170	2.5	0.11	530	1010	5.94	0.5	6.44
WV10-02	5281002	170	172.5	2.5	0.1	574	1030	7.02	0.7	6
WV10-02	5281003	172.5	175	2.5	0.09	733	1050	9.2	0.6	5.29
WV10-02	5281004	175	177.5	2.5	0.6	493	1010	7.72	0.4	5.88
WV10-02	5281005	177.5	180	2.5	1.23	734	1010	13.2	0.5	6.31
WV10-02	5281006	180	182.5	2.5	0.15	426	991	8.33	0.2	5.41
WV10-02	5281007	182.5	185	2.5	0.16	372	1020	7.09	0.3	5.02
WV10-02	5281008	185	187.5	2.5	0.22	344	991	7.43	0.4	7.01
WV10-02	5281009	187.5	190	2.5	0.17	458	1060	7.97	0.3	2.85

DDH-ID	Sample #	From (m)	to (m)	Length (m)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)	Ag (ppm)
WV10-02	5281011	190	192.5	2.5	0.13	535	956	6.66	0.4	5.98
WV10-02	5281012	192.5	195	2.5	0.08	413	690	4.89	0.8	6.47
WV10-02	5281013	195	197.5	2.5	0.12	451	757	5.89	0.7	5.53
WV10-02	5281014	197.5	200	2.5						
WV10-02	5281015	200	202.5	2.5						
WV10-02	5281016	202.5	205	2.5						
WV10-02	5281017	205	207.5	2.5						
WV10-02	5281018	207.5	210	2.5						
WV10-02	5281019	210	212.5	2.5						
WV10-02	5281021	212.5	215	2.5	0.16	577	1740	5.81	1	5.43
WV10-02	5281022	215	217.5	2.5	0.11	711	1460	6.56	0.8	6.12
WV10-02	5281023	217.5	220	2.5	0.1	706	1090	6.34	0.9	5.65
WV10-02	5281024	220	222.5	2.5						
WV10-02	5281025	222.5	225	2.5						
WV10-02	5281026	225	227.5	2.5						
WV10-02	5281027	227.5	230	2.5						
WV10-02	5281028	230	232.5	2.5	0.14	615	1240	7.35	0.8	6.52
WV10-02	5281029	232.5	235	2.5	0.12	704	1820	9.11	1	4.81
WV10-02	5281031	235	237.5	2.5	0.17	939	1640	11.2	0.6	4.72
WV10-02	5281032	237.5	240	2.5	0.19	1160	1180	10.7	0.9	4.8
WV10-02	5281033	240	242.5	2.5	0.14	771	855	7.84	0.4	4.99
WV10-02	5281034	242.5	245	2.5	0.25	748	828	11.4	0.2	6.15
WV10-02	5281035	245	247.5	2.5	0.46	855	799	12.4	0.3	5.04
WV10-02	5281036	247.5	250	2.5	0.56	593	761	9.52	0.9	5.58
WV10-02	5281037	250	252.5	2.5	0.29	838	848	12	0.5	4.91
WV10-02	5281038	252.5	255	2.5	0.5	802	957	11.2	0.4	5.38
WV10-02	5281039	255	257.5	2.5	0.42	848	930	10.5	0.4	1.92
WV10-02	5281041	257.5	260	2.5	0.27	823	912	9.78	0.6	5.25
WV10-02	5281042	260	262.5	2.5	0.3	823	1080	10.4	0.8	6.18
WV10-02	5281043	262.5	265	2.5	0.19	440	997	7.24	0.5	5.23
WV10-02	5281044	265	267.5	2.5	0.08	389	1000	5.6	0.5	5.72
WV10-02	5281045	267.5	270	2.5	0.06	300	1030	4.88	0.5	5.6
WV10-02	5281046	270	272.5	2.5	0.07	291	984	5.52	0.4	5.8
WV10-02	5281047	272.5	275	2.5	<0.05	257	1050	4.84	0.2	6.84
WV10-02	5281048	275	277.5	2.5	0.07	267	1010	4.98	0.5	6.23
WV10-02	5281049	277.5	280	2.5	0.11	353	1090	5.5	0.5	6.62
WV10-02	5281051	280	282.5	2.5	0.11	273	1090	5.12	0.3	6.46
WV10-02	5281052	282.5	285.6	3.1	0.11	395	1120	6.09	0.4	7.47
WV10-03	5281053	3.96	7.5	3.54	591	0.25	1.2	51.3	<0.01	0.15
WV10-03	5281054	7.5	10	2.5	402	0.16	1.1	45.3	<0.01	0.13
WV10-03	5281055	10	12.5	2.5	748	0.28	1	62	<0.01	0.17
WV10-03	5281056	12.5	15	2.5	531	0.24	1	47.8	<0.01	0.19
WV10-03	5281057	15	17.5	2.5	157	0.39	1.7	65.8	<0.01	0.07
WV10-03	5281058	17.5	20	2.5	263	0.59	1.6	68	0.02	0.13
WV10-03	5281059	20	22.5	2.5	185	0.38	1.6	64	<0.01	0.06

DDH-ID	Sample #	From (m)	to (m)	Length (m)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)	Ag (ppm)
WV10-03	5279061	22.5	25	2.5	258	1.61	0.7	60.4	<0.01	0.09
WV10-03	5279062	25	27.5	2.5	225	0.53	0.6	56.4	<0.01	0.07
WV10-03	5279063	27.5	30	2.5	213	1.07	0.6	46.6	<0.01	0.09
WV10-03	5279064	30	32.5	2.5	274	0.46	0.8	49.5	<0.01	0.08
WV10-03	5279065	32.5	35	2.5	191	0.9	1	65.7	<0.01	0.05
WV10-03	5279066	35	37.5	2.5	132	0.43	1	55.8	<0.01	0.05
WV10-03	5279067	37.5	40	2.5	253	0.49	0.9	56.5	<0.01	0.09
WV10-03	5279068	40	42.5	2.5	286	0.37	0.8	60.1	<0.01	0.08
WV10-03	5279069	42.5	45	2.5	236	0.28	0.5	45.3	<0.01	0.07
WV10-03	5279071	45	47.5	2.5	211	0.23	0.7	61.2	<0.01	0.07
WV10-03	5279072	47.5	50	2.5	258	0.27	0.6	46.6	<0.01	0.08
WV10-03	5279073	50	52.5	2.5	188	0.26	0.6	48	<0.01	0.06
WV10-03	5279074	52.5	55	2.5	177	0.32	0.5	47.9	<0.01	0.06
WV10-03	5279075	55	57.5	2.5	151	0.44	0.7	49.3	<0.01	0.07
WV10-03	5279076	57.5	60	2.5	194	0.25	0.9	50.9	<0.01	0.07
WV10-03	5279077	60	62.5	2.5	430	0.22	0.6	46.7	<0.01	0.13
WV10-03	5279078	62.5	65	2.5	314	0.37	0.5	36.1	<0.01	0.09
WV10-03	5279079	65	67.5	2.5	303	0.32	0.6	48.6	<0.01	0.09
WV10-03	5279081	67.5	70	2.5	433	1.38	0.7	48.9	<0.01	0.13
WV10-03	5279082	70	72.5	2.5						
WV10-03	5279083	72.5	75	2.5						
WV10-03	5279084	75	77.5	2.5						
WV10-03	5279085	77.5	80	2.5						
WV10-03	5279086	80	82.5	2.5						
WV10-03	5279087	82.5	85	2.5						
WV10-03	5279088	85	87.5	2.5	657	0.25	0.7	51.2	<0.01	0.22
WV10-03	5279089	87.5	90	2.5	416	0.14	0.5	48.8	<0.01	0.08
WV10-03	5279091	90	92.5	2.5	216	1.51	0.6	62.8	<0.01	0.1
WV10-03	5279092	92.5	95	2.5	175	0.69	0.7	56.4	<0.01	0.05
WV10-03	5279093	95	97.5	2.5	313	0.44	0.9	49.1	<0.01	0.09
WV10-03	5279094	97.5	100	2.5	285	0.54	1.2	48	<0.01	0.09
WV10-03	5279095	100	102.5	2.5	251	0.31	0.9	47.6	<0.01	0.07
WV10-03	5279096	102.5	105	2.5	357	0.48	1.1	46.9	<0.01	0.1
WV10-03	5279097	105	107.5	2.5	334	0.42	0.8	51.5	<0.01	0.09
WV10-03	5279098	107.5	110	2.5	522	0.27	0.6	54.5	<0.01	0.13
WV10-03	5279099	110	112.5	2.5	412	0.31	0.5	44.5	<0.01	0.09
WV10-03	5279101	112.5	115	2.5	312	0.35	0.4	41.8	<0.01	0.08
WV10-03	5279102	115	117.5	2.5	255	0.37	0.6	55.8	<0.01	0.09
WV10-03	5279103	117.5	120	2.5	392	0.53	0.5	65.2	<0.01	0.12
WV10-03	5279104	120	122.5	2.5	1630	0.56	0.7	74.5	<0.01	0.41
WV10-03	5279105	122.5	125	2.5	542	0.41	0.4	52.5	<0.01	0.16
WV10-03	5279106	125	127.5	2.5	737	0.51	0.7	70.3	<0.01	0.22
WV10-03	5279107	127.5	130	2.5	199	0.58	1.8	67.6	<0.01	0.07
WV10-03	5279108	130	132.5	2.5	503	0.66	1.1	62.1	<0.01	0.18
WV10-03	5279109	132.5	135	2.5	593	0.38	0.5	63.5	<0.01	0.15

DDH-ID	Sample #	From (m)	to (m)	Length (m)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)	Au (ppm)	Ag (ppm)
WV10-03	5279911	135	137.5	2.5	166	0.33	0.5	61.4	<0.01	0.05
WV10-03	5279912	137.5	140	2.5	295	0.29	0.4	50.3	<0.01	0.08
WV10-03	5279913	140	142.5	2.5	171	0.26	0.5	52.8	<0.01	0.07
WV10-03	5279914	142.5	145	2.5	148	0.46	0.7	63.1	<0.01	0.06
WV10-03	5279915	145	147.5	2.5	326	0.35	0.4	43.7	<0.01	0.09
WV10-03	5279916	147.5	150	2.5	268	0.32	0.4	51.5	<0.01	0.09
WV10-03	5279917	150	152.5	2.5	603	0.35	0.4	48.8	<0.01	0.2
WV10-03	5279918	152.5	155	2.5	364	1.86	0.6	84.8	<0.01	0.17
WV10-03	5279919	155	157.5	2.5	330	0.53	0.8	75	<0.01	0.13
WV10-03	5279921	157.5	160	2.5	409	0.7	0.5	73.9	<0.01	0.15
WV10-03	5279922	160	162.5	2.5	173	0.46	0.7	69.3	<0.01	0.06
WV10-03	5279923	162.5	165	2.5	92	0.45	0.7	86.1	<0.01	0.05
WV10-03	5279924	165	167.5	2.5	179	0.22	0.5	64.4	<0.01	0.06
WV10-03	5279925	167.5	170	2.5	221	0.29	0.7	80.6	<0.01	0.08
WV10-03	5279926	170	172.5	2.5	229	0.34	0.6	51.2	<0.01	0.08
WV10-03	5279927	172.5	175	2.5	163	0.32	0.9	64.2	<0.01	0.07
WV10-03	5279928	175	177.5	2.5	322	0.25	0.6	51.9	<0.01	0.08
WV10-03	5279929	177.5	180	2.5	539	0.25	0.6	56.3	<0.01	0.14
WV10-03	5279930	180	182.5	2.5	377	0.29	0.7	62.6	<0.01	0.11
WV10-03	5279931	182.5	185	2.5	150	0.21	0.4	58.2	<0.01	0.05
WV10-03	5279932	185	187.5	2.5	267	0.38	0.5	62.5	<0.01	0.08
WV10-03	5279933	187.5	191.11	3.61	214	0.29	0.6	65.2	<0.01	0.06

Appendix 4

Drill Hole Geothechnical Log

HOLE # WV10-01

From	To	Interval	Length of core	Recovery	Length >10	RQD	# Fractures	Ave Core angle	# Fractures	Ave Core angle	#Qtz-ser Veins	AveCore angle	# Qtz-ser Veins	Ave Core angle	Mag Sus	Mag Sus max	Specific Gravity (Mass)		
(m)	(m)	(m)	(cm)	(%)	(cm)	(%)	1-3mm		3-10mm		1-3 mm		3-10 mm				Air	Water	SG
2.44	5.18	2.74	224	81.75	104	37.96	10	75							40	60.42			
5.18	8.23	3.05	300	98.36	208	68.20	19	70					1	55	36	60.76			
8.23	11.28	3.05	290	95.08	232	76.07	16	70							48	65.14			
11.28	14.33	3.05	323	105.90	230	75.41	19	60							50	68.2			
14.33	17.37	3.04	296	97.37	312	102.63	16	70							50	79.5	615	430	3.32
17.37	20.42	3.05	305	100.00	170	55.74	15	70							1.676	2.783			
20.42	23.42	3	300	100.00	200	66.67	10	65							30.33	63.54			
23.42	26.52	3.1	303	97.74	207	66.77	13	60			1	40			75.51	70.15			
26.52	29.57	3.05	305	100.00	220	72.13	16	50					1	75	37	65.01	636	416	2.89
29.57	32.61	3.04	305	100.33	249	81.91	6	65							40.15	70.22	652	427	2.90
32.61	35.66	3.05	302	99.02	218	71.48	10	55			2	20			36.15	80.19			
35.66	38.71	3.05	306	100.33	225	73.77	12	50					2	50	37.69	83	561	367	2.89
38.71	41.76	3.05	292	95.74	121	39.67	35	50							35.11	83.11			
41.76	44.81	3.05	300	98.36	282	92.46	10	65					1	50	39.9	80.9			
44.81	47.85	3.04	305	100.33	223	73.36	23	50			1	60			29.17	75.15			
47.85	50.9	3.05	306	100.33	247	80.98	12	50							35.16	80.19			
50.9	53.95	3.05	307	100.66	220	72.13	15	50					2	50	30.41	73.18			
53.95	**57.00**	**3.05**	**290**	**95.08**	**230**	**75.41**	**10**	**60**			**1**	**50**	**1**	**50**	**9.579**	**75.89**			
57.00	60.05	3.05	303	99.34	265	86.89	11	65			2	60			30.08	63.12			
60.05	63.09	3.04	305	100.33	217	71.38	17	65			2		30		32.15	60.14			
63.09	66.14	3.05	305	100.00	242	79.34	8	50			1		30		30.14	83.15			
66.14	69.19	3.05	315	103.28	200	65.57	12	60			2	50	1	80	29.18	70.29	256	400	-1.78
69.19	72.24	3.05	297	97.38	210	68.85	15	60							30.49	54.11			
72.24	75.2	2.96	305	103.04	218	73.65	17	50							28.5	63.22			
75.29	78.33	3.04	300	98.68	225	74.01	20	55					1	50	30.31	57.97			
78.33	81.38	3.05	305	100.00	230	75.41	14	65							32.12	63.15			
81.38	84.43	3.05	300	98.36	259	84.92	10	55							33.03	55.04			
84.43	87.48	3.05	305	100.00	214	70.16	16	50							39.96	58.39	439	291	2.97
87.48	93.76	6.28	303	48.25	115	18.31	23	50			1	90			31.1	60.88			
93.76	96.62	2.86	305	106.64	210	73.43	26	50							30.8	54.88			
96.62	99.67	3.05	305	100.00	247	80.98	26	50			1	40	1	50	34.17	52.15			
99.67	102.72	3.05	308	100.98	221	72.46	23	50							33.7	73.32	537	350	2.87
102.72	105.77	3.05	310	101.64	195	63.93	29	45			1				35.1	165.14			
105.77	108.81	3.04	298	98.03	190	62.50	16	40							33.19	66.06			

HOLE # WV10-01

From	To	Interval	Length of core	Recovery	Length >10	RQD	# Fractures	Ave Core angle	# Fractures	Ave Core angle	#Qtz-ser Veins	AveCore angle	# Qtz-ser Veins	Ave Core angle	Mag Sus	Mag Sus max	Specific Gravity (Mass)		
(m)	(m)	(m)	(cm)	(%)	(cm)	(%)	1-3mm		3-10mm		1-3 mm		3-10 mm				Air	Water	SG
108.81	111.86	3.05	308	100.98	210	68.85	23	55							35.15	65.19			
111.86	114.91	3.05	296	97.05	140	45.90	14	50					2	45	32.91	58.17			
114.91	117.96	3.05	306	100.33	200	65.57	17	50					1	30	38.48	60.88			
117.96	121.01	3.05	310	101.64	202	66.23	25	50							34.11	53.34			
121.01	124.05	3.04	296	97.37	250	82.24	18	50							33.19	56.64			
124.05	127.1	3.05	294	96.39	169	55.41	32	45							58.74	146.6			
127.1	130.15	3.05	300	98.36	217	71.15	25	65							34.62	53.66			
130.15	133.2	3.05	305	100.00	300	98.36	11	80							46	57.39			
133.2	136.25	3.05	305	100.00	210	68.85	27	65							38.18	75.47	437	284	2.86
136.25	139.29	3.04	307	100.99	215	70.72	23	60							40.19	76.84			
139.29	142.34	3.05	310	101.64	263	86.23	16	50							40	68.05			
142.34	145.39	3.05	284	93.11	170	55.74	24	50							40	88.03	453	288	2.75
145.39	148.44	3.05	300	98.36		0.00	22	50							38	52.1			
148.44	151.49	3.05	305	100.00	282	92.46	19	40							42	72.19			
151.49	154.53	3.04	306	100.66	120	39.47	33	65							39	80.98			
154.53	157.58	3.05	307	100.66	200	65.57	16	50							42	129.4			
157.58	160.63	3.05	305	100.00	250	81.97	14	75							33	178.88			
160.63	163.68	3.05	305	100.00	238	78.03	10	40							42	75.29	692	448	2.84
163.68	166.73	3.05	305	100.00	277	90.82	7	80							45	77.89			
166.73	169.77	3.04	308	101.32	260	85.53	18	40							20.46	79.75			
169.77	172.82	3.05	302	99.02	202	66.23	16	60							20.12	68			
172.82	175.87	3.05	305	100.00	188	61.64	13	50					1	30	46.36	161.4	475	310	2.88
175.87	178.92	3.05	306	100.33	209	68.52	23	60							43	78.32			
178.92	181.97	3.05	305	100.00	208	68.20	18	60							51	68.47			
181.97	185.01	3.04	304	100.00	208	68.42	21	70							40	95.14			
185.01	188.06	3.05	305	100.00	247	80.98	14	60											
188.06	191.11	3.05	305	100.00	237	77.70	17	60					2	55	81.21	434.4			
191.11	194.16	3.05	304	99.67	247	80.98	10	60							42	181.09			
194.16	197.21	3.05	308	100.98	264	86.56	10	65	3	35			1	35	48.19	80.29	288	190	2.94
197.21	200.25	3.04	305	100.33	300	98.68	12	80							55.9	115.8			
200.25	203.3	3.05	304	99.67	304	99.67	11	80					1	30	65.8	123.9			
203.3	206.35	3.05	305	100.00	305	100.00	12	75							58.32	268.2			
206.35	209.4	3.05	303	99.34	280	91.80	11	60					1	7	70	215.1			
209.4	212.45	3.05	307	100.66	200	65.57	27	60							30.9	200.3			

HOLE # WV10-01

From	To	Interval	Length of core	Recovery	Length >10	RQD	# Fractures	Ave Core angle	# Fractures	Ave Core angle	#Qtz-ser Veins	AveCore angle	# Qtz-ser Veins	Ave Core angle	Mag Sus	Mag Sus max	Specific Gravity (Mass)		
(m)	(m)	(m)	(cm)	(%)	(cm)	(%)	1-3mm		3-10mm		1-3 mm		3-10 mm				Air	Water	SG
212.45	215.49	3.04	306	100.66	290	95.39	10	75							52.39	98.16	552	361	2.89
215.49	218.54	3.05	302	99.02	300	98.36	10	85							48.12	100.5			
218.54	221.59	3.05	303	99.34	270	88.52	11	85							35.1	97.49			
221.59	224.64	3.05	305	100.00	243	79.67	10	65							30.3	97.49			
224.64	227.69	3.05	304	99.67	288	94.43	8	65							49.1	110.44			
227.69	230.73	3.04	300	98.68	295	97.04	8	80							30.1	198.14			
230.73	233.78	3.05	305	100.00	207	67.87	7	70							57.66	218.9	945	620	2.91
233.78	236.87	3.09	307	99.35	200	64.72	12	70							48.69	105.3			
236.87	239.88	3.01	305	101.33	198	65.78	17	65							40	190.1	332	216	2.86
239.88	242.93	3.05	302	99.02	168	55.08	15	50							50	101.4			
242.93	245.97	3.04	304	100.00	181	59.54	12	45							53	109.7			
245.97	252.07	6.1	310	50.82	148	24.26	14	45							42	121.19			
252.07	255.12	3.05	305	100.00	207	67.87	25	45							49	103.4			
255.12	258.17	3.05	304	99.67	161	52.79	8	55							51	108			
258.17	261.21	3.04	305	100.33	218	71.71	13	50					1	30	50	115.9			
261.21	264.26	3.05	300	98.36	280	91.80	11	65							48	114.4	411	270	2.91

HOLE # WV10-02

From	To	Interval	Length of core	Recovery	Length >10	RQD	# Fractures	Ave Core angle	# Fractures	Ave Core angle	#Qtz-ser Veins	AveCore angle	# Qtz-ser Veins	Ave Core angle	Mag Sus	Mag Sus max	Specific Gravity (Mass)		
(m)	(m)	(m)	(cm)	(%)	(cm)	(%)	1-3mm		3-10mm		1-3 mm		3-10 mm				Air	Water	SG
3.66	5.18	1.52	165	108.55	20	13.16	>50	75							37.86	86.16			
5.18	8.23	3.05	250	81.97	110	36.07	>50	70											
8.23	11.28	3.05	281	92.13	121	39.67	>50	55							42.15	80.17			
11.28	14.33	3.05	284	93.11	133	43.61	48	50							39.17	73.93			
14.33	17.37	3.04	290	95.39	12	3.95	>50	30							46.68	65.3	422	277	2.91
17.37	20.42	3.05	293	96.07	201	65.90	39	40							44.4	80.15			
20.42	23.47	3.05	300	98.36	210	68.85	38	55											
23.47	26.52	3.05	300	98.36	215	70.49	38	60							44.5	90.17			
26.52	29.57	3.05	305	100.00	261	85.57	16	60							40.39	87.34			
29.57	32.61	3.04	304	100.00	230	75.66	28	60							51.33	91.17			
32.61	35.66	3.05	303	99.34	149	48.85	16	50							78.41	166.3			
35.66	38.71	3.05	300	98.36	215	70.49	19	55					1	50	34.96	63.56	716	470	2.91
38.71	41.76	3.05	300	98.36	160	52.46	47	40							30.19	61.14			
41.76	44.81	3.05	300	98.36	215	70.49	18	40							40.2	78.19			
44.81	47.85	3.04	305	100.33	198	65.13	24	40							37.11	150.3			
47.85	50.9	3.05	305	100.00	180	59.02	23	45							49.53	152.7			
50.9	53.95	3.05	305	100.00	200	65.57	20	60							49.57	100.2			
53.95	57.00	3.05	310	101.64	182	59.67	20	40							40	68.12	418	280	3.03
57.00	60.05	3.05	252	82.62	183	60.00	45	45							49.4	109.4			
60.05	63.09	3.04	305	100.33	280	92.11	12	55							48.91	77.59	343	223	2.86
63.09	66.14	3.05	304	99.67	240	78.69	19	50							40.15	69.14			
66.14	69.19	3.05	270	88.52	212	69.51	15	50							50.85	87.58			
69.19	72.24	3.05	308	100.98	198	64.92	30	50							46.53	74.13			
72.24	75.29	3.05	310	101.64	199	65.25	18	55							45.35	80.27			
75.29	78.33	3.04	305	100.33	218	71.71	12	50							39	72.05			
78.33	81.38	3.05	306	100.33	240	78.69	12	40							44.1	78.14			
81.38	84.43	3.05	306	100.33	212	69.51	14	55							41.32	71.25			
84.43	87.48	3.05	308	100.98	201	65.90	12	55							50.66	86.13	261	171	2.90
87.48	90.53	3.05	305	100.00	200	65.57	17	55							48.3	74.14			
90.53	93.57	3.04	306	100.66	270	88.82	18	55							43.09	82.2			
93.57	96.62	3.05	293	96.07	264	86.56	18	60							50.18	71.17			
96.62	99.67	3.05	305	100.00	219	71.80	16	65							57.97	70.12	542	252	1.87
99.67	102.72	3.05	308	100.98	260	85.25	9	60							43.88	65.16			
102.72	105.77	3.05	305	100.00	249	81.64	14	60							40.39	73.19			
105.77	108.81	3.04	283	93.09	250	82.24	13	60							42.17	98.24			
108.81	111.86	3.05	300	98.36	117	38.36	30	55					1	60	49.2	80.12			
111.86	114.91	3.05	302	99.02	185	60.66	27	55					1	50	53.44	78.59	363	236	2.86
114.91	117.96	3.05	303	99.34	142	46.56	40	50							39.1	87.81			
117.96	121.01	3.05	305	100.00	300	98.36	12	50			1	55			40.17	89.5			
121.01	124.05	3.04	308	101.32	303	99.67	8	55							40.12	78.15			
124.05	127.1	3.05	305	100.00	289	94.75	19	40							39.5	68.14			
127.1	130.15	3.05	305	100.00	264	86.56	14	55			1	30			39	65.1			
130.15	133.2	3.05	304	99.67	238	78.03	25	55							30.78	58.33	618	401	2.85
133.2	136.25	3.05	306	100.33	180	59.02	22	50					1	35	30.14	73.95			
136.25	139.29	3.04	305	100.33	174	57.24	24	60			1	50	3	65	40.32	60.71			
139.29	142.34	3.05	303	99.34	249	81.64	16	50							39.97	63.18			
142.34	145.39	3.05	305	100.00	188	61.64	28	50					1	80	40.51	58.2			
145.39	148.44	3.05	304	99.67	197	64.59	29	50					3	30	43.1	69.5			
148.44	151.49	3.05	305	100.00	117	38.36	40	65							25.07	60.07			
151.49	154.53	3.04	306	100.66	95	31.25	43	45			1				30.7	68.14	301	235	4.56
154.53	157.58	3.05	305	100.00	43	14.10	>50	55							26.78	59.31			
157.58	160.63	3.05	292	95.74	67	21.97	>50	55							20.35	42.88			
160.63	163.68	3.05	305	100.00	114	37.38	30	60							33.11	50.71			
163.68	166.73	3.05	310	101.64	99	32.46	50	65							17.44	49.36			
166.73	169.77	3.04	305	100.33	180	59.21	20	50							31.52	61.65			
169.77	172.82	3.05	300	98.36	183	60.00	23	65							32.9	57.97			
172.82	175.87	3.05	305	100.00	52	17.05	50	55							35.11	58.51			
175.87	178.92	3.05	290	95.08	122	40.00	34	50					1	80	34.05	60.42			

HOLE # WV10-02

From	To	Interval	Length of core	Recovery	Length >10	RQD	# Fractures	Ave Core angle	# Fractures	Ave Core angle	#Qtz-ser Veins	AveCore angle	# Qtz-ser Veins	Ave Core angle	Mag Sus	Mag Sus max	Specific Gravity (Mass)		
(m)	(m)	(m)	(cm)	(%)	(cm)	(%)	1-3mm		3-10mm		1-3 mm		3-10 mm				Air	Water	SG
178.92	181.97	3.05	288	94.43	39	12.79	50	45							33.5	61.32			
181.97	185.01	3.04	305	100.33	160	52.63	27	60							31.92	6.94	414	267	2.82
185.01	188.06	3.05	300	98.36	158	51.80	25	65							39.35	6.56			
188.06	191.11	3.05	298	97.70	168	55.08	39	60							29.71	5.8			
191.11	194.16	3.05	303	99.34	190	62.30	27	50					1	90	35.45	6.77			
194.16	197.21	3.05	304	99.67	194	63.61	38	65							34.99	6.95			
197.21	200.25	3.04	305	100.33	64	21.05	50	50					1	30	30.1	5.05			
200.25	203.3	3.05	305	100.00	150	49.18	34	50							32	5.41	352	230	2.89
203.3	206.35	3.05	303	99.34	280	91.80	17	50							31.15	6.12			
206.35	209.4	3.05	308	100.98	241	79.02	27	60							40.22	87.03			
209.4	212.45	3.05	305	100.00	260	85.25	25	50							43.39	88.01			
212.45	215.49	3.04	305	100.33	120	39.47	38	65							40.93	58.15	448	291	2.85
215.49	218.54	3.05	305	100.00	52	17.05	>50	60							39.4	58.73			
218.54	221.59	3.05	306	100.33	47	15.41	44	70							40.36	60.85			
221.59	224.64	3.05	306	100.33	34	11.15	21	50							38.02	57.1			
224.64	227.69	3.05	290	95.08	130	42.62	28	55											
227.69	230.73	3.04	300	98.68	109	35.86	>50	55							40.04	60.45			
230.73	233.78	3.05	300	98.36	69	22.62	>50	50							32.47	68.43			
233.78	236.87	3.09	300	97.09	0	0.00	>50	50							30.11	26.18	417	268	2.80
236.87	239.88	3.01	300	99.67	0	0.00	>50	40							9.9	29.33	304	195	2.79
239.88	242.93	3.05	280	91.80	120	39.34	40	40					1	70	2.851	26.17			
242.93	245.97	3.04	300	98.68	148	48.68	>50	40							7.932	27			
245.97	249.02	3.05	305	100.00	0	0.00	>50	40							3.415	30.9			
249.02	252.07	3.05	300	98.36	0	0.00	>50	50	1						5.312	25.14			
252.07	255.12	3.05	300	98.36	0	0.00	>50	50	1	50					8.011	19.42			
255.12	258.17	3.05	300	98.36	0	0.00	>50	40	2	30					9.095	25.3	409	261	2.76
258.17	261.21	3.04	300	98.68	53	17.43	>50	55	1						2.852	18.19			
261.21	264.26	3.05	305	100.00	97	31.80	38	55	1	50					8.681	44.9			
264.26	267.31	3.05	305	100.00	82	26.89	38	60							39.94	59.83			
267.31	270.36	3.05	295	96.72	115	37.70	20	75							40.15	60.27			
270.36	273.41	3.05	305	100.00	109	35.74	31	60							35.9	58.15			
273.41	276.45	3.04	305	100.33	215	70.72	18	50							34.11	56.69			
276.45	279.5	3.05	306	100.33	230	75.41	17	50							35.98	58.11	375	243	2.84
279.5	282.52	3.02	302	100.00	240	79.47	8	50							39.8	56.14			
282.52	285.6	3.08	305	99.03	237	76.95	8	50							38.01	55.95			

HOLE # WV10-03

From	To	Interval	Length of core	Recovery	Length >10	RQD	# Fractures	Ave Core angle	# Fractures	Ave Core angle	#Qtz-ser Veins	AveCore angle	# Qtz-ser Veins	Ave Core angle	Mag Sus	Mag Sus max	Specific Gravity (Mass)		
(m)	(m)	(m)	(cm)	(%)	(cm)	(%)	1-3mm		3-10mm		1-3 mm		3-10 mm				Air	Water	SG
3.96	5.48	1.52	160	105.26	0	0.00	50	80							56.92	140.7			
5.48	8.23	2.75	275	100.00	0	0.00	50	50	3	50					49.15	102.4			
8.23	11.28	3.05	303	99.34	30	9.84	41	60	2	40					50.11	100.07			
11.28	14.33	3.05	295	96.72	40	13.11	50	50	10	30					54.2	140.2			
14.33	17.37	3.04	200	65.79	0	0.00	>50	60	5	50					23.7	140.9			
17.37	20.42	3.05	300	98.36	0	0.00	>50	65	5	65					20.4	141			
20.42	23.42	3	300	100.00	0	0.00	50	80	3	30					19.39	60.87			
23.42	26.52	3.1	300	96.77	0	0.00	>50	75	2	70					23.95	72.42			
26.52	29.57	3.05	301	98.69	0	0.00	50	40	1	40					20.41	63.53			
29.57	32.61	3.04	302	99.34	20	6.58	41	60	20	40					24.24	64.19			
32.61	35.66	3.05	305	100.00	62	20.33	38	70	3	30					27.72	69.55			
35.66	38.71	3.05	305	100.00	0	0.00	>50	50	20	50					25.93	74.53			
38.71	41.76	3.05	304	99.67	52	17.05	41	75	15	30					27.95	70.59			
41.76	44.81	3.05	300	98.36	35	11.48	50	60	15	30					23.59	69.64			
44.81	47.85	3.04	305	100.33	30	9.87	>50	45	16	30					32.28	72.3			
47.85	50.95	3.1	303	97.74	61	19.68	35	65	6	30					26.82	71.22			
50.95	53.95	3	305	101.67	130	43.33	40	60	2	60					26.82	71.22			
53.95	57.00	3.05	307	100.66	42	13.77	34	60	4	40					41.97	67.93			
57.00	60.05	3.05	305	100.00	130	42.62	40	60	5	60					41.28	61.86			
60.05	63.09	3.04	306	100.66	120	39.47	15	70	2	30					49.84	67.02			
63.09	66.14	3.05	308	100.98	135	44.26	28	60	1	30					55.44	94.91			
66.14	69.19	3.05	305	100.00	142	46.56	22	80							48.65	76.08	558	362	2.85
69.19	72.24	3.05	304	99.67	39	12.79	30	70							57.67	93.32			
72.24	75.29	3.05	305	100.00	38	12.46	30	75	8	50					44.99	146.01	427	270	2.72
75.29	78.33	3.04	290	95.39	170	55.92	50	50							68.24	170.3			
78.33	81.38	3.05	303	99.34	140	45.90	19	60	3	60					66.32	208.5			
81.38	84.43	3.05	300	98.36	39	12.79	15	65	14	60					49.97	125.1			
84.43	87.48	3.05	314	102.95	166	54.43	20	60	4						102.7	365.2			
87.48	90.53	3.05	310	101.64	106	34.75	23	50	5						69.86	213.4	590	380	2.81
90.53	93.57	3.04	301	99.01	66	21.71	24	65	9						51.75	96.2			
93.57	96.62	3.05	310	101.64	145	47.54	17	50	12						67.35	379.9			
96.62	99.67	3.05	310	101.64	210	68.85	19	50	15						79.67	461.5			
99.67	102.72	3.05	305	100.00	200	65.57	14	65	5	50					41.65	123.3			
102.72	105.77	3.05	306	100.33	200	65.57	15	60	7	55					50.62	89.38	685	435	2.74
105.77	108.81	3.04	233	76.64	27	8.88	>50	50	10						33.61	86.02			
108.81	111.86	3.05	290	95.08	0	0.00	>50	50	15	50					40.91	74.99			
111.86	114.91	3.05	298	97.70	0	0.00	>50	55	17	50					34.62	51.54			
114.91	117.96	3.05	302	99.02	20	6.56	>50	60	5	55					55.92	157.8			
117.96	121.01	3.05	305	100.00	39	12.79	40	60	2	60					45.04	77.62			
121.01	124.05	3.04	305	100.33	88	28.95	29	65	5	60					28.48	69.45			
124.05	127.1	3.05	300	98.36	90	29.51	15	70	5	70					20.16	43.6			
127.1	130.15	3.05	305	100.00	45	14.75	38	60	1	50					4.717	21.65			
130.15	133.2	3.05	305	100.00	0	0.00	>50	50	3	45					24.69	66.42			
133.2	136.25	3.05	306	100.33	10	3.28	>50	50	5	50					46.44	113.2			
136.25	139.29	3.04	308	101.32	100	32.89	50	50	2	60					50.86	72.99	583	374	2.79
139.29	142.34	3.05	310	101.64	142	46.56	50	60	1	55					59.86	165.6			
142.34	145.39	3.05	305	100.00	27	8.85	48	50	3	50					42.53	156.1			
145.39	148.44	3.05	307	100.66	37	12.13	40	50	1	50					49.24	76.44			
148.44	151.49	3.05	307	100.66	113	37.05	20	50	2	60					53.04	77.74			
151.49	154.53	3.04	306	100.66	42	13.82	38	50	5	50					35.18	99.59			
154.53	157.58	3.05	315	103.28	13	4.26	40	50	1	50					26.62	89.52			

HOLE # WV10-03

From	To	Interval	Length of core	Recovery	Length >10	RQD	# Fractures	Ave Core angle	# Fractures	Ave Core angle	#Qtz-ser Veins	AveCore angle	# Qtz-ser Veins	Ave Core angle	Mag Sus	Mag Sus max	Specific Gravity (Mass)		
(m)	(m)	(m)	(cm)	(%)	(cm)	(%)	1-3mm		3-10mm		1-3 mm		3-10 mm				Air	Water	SG
157.58	160.63	3.05	305	100.00	29	9.51	>50	50	7	60					29.45	75.05			
160.63	163.68	3.05	309	101.31	48	15.74	>50	50	3	30					23.41	79.95	766	500	2.88
163.68	166.73	3.05	310	101.64	103	33.77	38	50	5	50					31.82	86.26			
166.73	169.77	3.04	310	101.97	52	17.11	30	60	1	50					28.2	81.89			
169.77	172.82	3.05	304	99.67	136	44.59	35	55	3	60					43.31	281.3	464	301	2.85
172.82	175.87	3.05	300	98.36	84	27.54	40	50	2	50					56.83	185.7			
175.87	178.92	3.05	287	94.10	87	28.52	20	60	1						45.35	191			
178.92	181.97	3.05	295	96.72	150	49.18	32	60	5	50					55.6	143.8			
181.97	185.01	3.04	307	100.99	91	29.93	37	60	2	40					52.26	130.9			
185.01	188.06	3.05	308	100.98	141	46.23	18	45	1	50					59.04	193.7	595	400	3.05
188.06	191.11	3.05	305	100.00	147	48.20	29	50	1	50					40.79	106.7			

Appendix 5

Assay Certificates

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5280813	5.37	0.14	1.08	0.3	<0.01	<5	47	0.06	0.01	1.18	0.05	13.9	11.7	61.8
5280814	6.82	0.08	1.29	0.2	<0.01	<5	72	0.06	<0.01	1.29	0.03	14.4	12.3	73.0
5280815	5.95	0.30	1.37	1.7	1.20	<5	81	0.09	0.01	1.48	0.03	18.8	13.0	81.7
5280816	6.62	0.14	1.91	2.0	0.03	<5	82	0.13	<0.01	1.86	0.04	11.3	13.2	59.6
5280817	5.36	0.09	1.57	0.3	<0.01	<5	65	0.09	<0.01	1.82	0.03	13.5	14.1	59.7
5280818	5.51	0.08	1.33	0.1	<0.01	<5	80	0.06	<0.01	1.53	0.04	12.7	13.7	50.9
5280819	4.67	0.02	0.65	0.4	<0.01	<5	56	0.16	<0.01	0.55	0.01	16.7	3.6	99.1
5280820	0.34	1.07	0.03	5.7	<0.01	<5	11	<0.05	0.03	19.1	20.5	1.12	1.0	62.7
5280821	3.51	0.09	1.83	0.7	<0.01	<5	115	0.13	0.01	2.10	0.08	9.84	11.2	36.4
5280822	6.30	0.09	1.43	0.4	<0.01	<5	57	0.08	0.01	1.51	0.03	10.9	12.9	41.0
5280823	6.43	0.15	1.43	0.2	<0.01	<5	55	0.07	0.01	1.46	0.03	15.5	14.1	51.0
5280824	6.62	0.10	1.87	<0.1	<0.01	<5	103	0.11	0.02	1.95	0.03	11.6	14.2	52.3
5280825	6.47	0.13	1.06	0.2	<0.01	<5	72	0.07	0.01	1.21	0.04	15.0	10.7	48.2
5280826	7.09	0.11	1.73	<0.1	<0.01	<5	64	0.08	0.01	1.71	0.05	12.5	14.4	68.5
5280827	6.27	0.11	1.84	0.1	<0.01	<5	58	0.09	0.03	1.95	0.03	11.1	17.4	61.7
5280828	6.18	0.24	1.63	0.9	<0.01	<5	51	0.10	0.04	3.11	2.95	8.65	12.5	34.9
5280829	6.52	0.16	1.52	0.2	<0.01	<5	54	0.07	0.03	1.69	0.04	10.1	13.5	56.0
5280830	0.03	1.94	1.45	40.7	0.20	<5	252	0.28	0.34	4.58	1.82	16.2	18.5	28.1
5280831	7.11	0.13	2.17	0.8	<0.01	<5	65	0.11	0.02	2.17	0.03	8.61	16.8	67.1
5280832	6.36	0.10	1.89	0.2	<0.01	<5	45	0.08	0.01	1.95	0.03	9.78	18.9	60.8
5280833	6.00	0.12	1.84	0.2	<0.01	<5	48	0.09	0.02	1.99	0.03	11.2	17.2	87.1
5280834	6.98	0.12	1.77	<0.1	<0.01	<5	42	0.08	0.01	1.67	0.04	10.9	16.9	67.1
5280835	6.92	0.15	1.73	0.2	<0.01	<5	99	0.09	0.02	1.62	0.03	7.50	14.8	63.2
5280836	6.54	0.13	1.83	0.2	<0.01	<5	97	0.12	0.02	1.45	0.04	4.89	15.8	86.1
5280837	6.17	0.05	1.68	<0.1	<0.01	<5	152	0.14	<0.01	1.42	0.02	6.70	12.7	83.9
5280838	6.65	0.09	1.98	0.3	<0.01	<5	74	0.10	0.01	1.64	0.03	9.97	16.3	92.3
5280839	3.51	0.11	1.95	<0.1	<0.01	<5	55	0.10	0.01	1.68	0.03	9.69	16.7	90.2
5280840	3.14	0.13	1.78	0.4	<0.01	<5	44	0.10	<0.01	1.48	0.03	9.19	17.6	99.4
5280841	7.08	0.11	1.96	0.2	<0.01	<5	69	0.10	0.02	1.80	0.03	9.16	16.2	101
5280842	6.01	0.07	1.78	0.4	<0.01	<5	68	0.13	0.01	1.74	0.04	9.47	18.3	68.7
5280843	6.56	0.12	2.14	0.3	<0.01	<5	66	0.11	<0.01	2.20	0.03	11.4	17.3	42.4
5280844	7.12	0.08	2.21	0.1	<0.01	<5	68	0.13	<0.01	1.98	0.03	12.3	18.3	52.6

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5280845	7.18	0.07	1.64	0.2	<0.01	<5	55	0.09	<0.01	1.54	0.03	12.0	14.2	53.9
5280846	6.36	0.07	1.90	<0.1	<0.01	<5	61	0.10	<0.01	1.53	0.03	12.0	15.6	85.0
5280847	6.97	0.07	1.49	0.2	<0.01	<5	47	0.08	<0.01	1.47	0.03	10.9	13.2	78.5
5280848	6.05	0.07	1.52	<0.1	<0.01	<5	52	0.08	<0.01	1.43	0.03	10.7	12.3	93.2
5280849	6.95	0.07	2.14	0.1	<0.01	<5	62	0.09	<0.01	1.97	0.03	10.2	14.1	97.8
5280850	0.45	0.06	0.25	<0.1	<0.01	<5	16	<0.05	0.02	20.2	1.25	1.40	1.6	15.6
5280851	7.30	0.06	1.60	<0.1	<0.01	<5	70	0.10	<0.01	1.40	0.03	12.1	14.4	88.4
5280852	6.66	0.06	1.90	0.2	<0.01	<5	74	0.12	<0.01	1.84	0.04	11.9	18.5	101
5280853	6.81	0.07	1.69	0.2	<0.01	<5	60	0.11	<0.01	1.77	0.04	12.3	14.1	83.3
5280854	7.05	0.07	1.70	0.2	<0.01	<5	55	0.12	<0.01	1.71	0.03	11.5	15.7	92.1
5280855	6.75	0.10	1.54	0.2	0.01	<5	56	0.13	<0.01	1.65	0.03	12.4	14.4	106
5280856	6.80	0.04	1.92	0.5	<0.01	<5	70	0.17	<0.01	1.72	0.03	11.9	16.7	111
5280857	7.30	0.09	1.26	<0.1	<0.01	<5	57	0.10	<0.01	1.05	0.03	11.2	16.3	41.1
5280858	6.68	0.08	1.78	0.2	<0.01	<5	69	0.12	<0.01	1.52	0.03	14.5	18.0	52.1
5280859	3.34	0.07	1.65	0.2	<0.01	<5	85	0.11	<0.01	1.56	0.04	14.7	14.3	43.1
5280860	3.36	0.07	1.38	0.2	<0.01	<5	72	0.09	<0.01	1.35	0.03	14.2	13.2	43.9
5280861	6.64	0.11	1.64	0.4	<0.01	<5	76	0.09	0.01	1.69	0.03	14.4	18.3	415
5280862	7.08	0.10	1.78	0.3	<0.01	<5	75	0.13	0.01	1.89	0.04	15.4	16.3	42.1
5280863	6.71	0.05	2.37	0.5	<0.01	<5	121	0.18	<0.01	2.58	0.02	13.1	18.7	54.3
5280864	6.70	0.06	1.79	0.4	<0.01	<5	104	0.14	<0.01	1.62	0.03	17.2	16.0	44.9
5280865	6.84	0.05	1.79	0.3	<0.01	<5	74	0.12	<0.01	1.77	0.02	14.6	17.9	39.7
5280866	6.99	0.10	1.51	0.2	<0.01	<5	95	0.10	0.01	1.45	0.03	15.2	16.1	44.0
5280867	6.18	0.07	1.72	0.3	<0.01	<5	90	0.11	<0.01	1.73	0.03	14.4	16.0	55.3
5280868	6.13	0.20	2.49	1.1	<0.01	<5	113	0.15	0.02	2.86	0.04	15.0	20.9	63.7
5280869	6.43	0.19	1.94	0.6	<0.01	<5	120	0.13	0.01	2.08	0.06	15.7	19.8	52.7
5280870	0.29	<0.01	0.07	<0.1	<0.01	<5	8	<0.05	0.01	21.5	0.08	1.06	1.4	1.4
5280871	5.13	0.07	1.62	0.2	<0.01	<5	86	0.10	<0.01	1.40	0.03	14.8	11.8	56.0
5280872	7.97	0.13	1.77	0.4	<0.01	<5	80	0.13	<0.01	1.59	0.04	14.5	17.4	44.2
5280873	6.80	0.05	2.74	0.4	<0.01	<5	116	0.18	<0.01	1.84	0.03	15.8	20.2	64.9
5280874	6.39	0.11	3.59	0.6	<0.01	<5	229	0.23	<0.01	2.52	0.04	16.7	21.6	70.0
5280875	7.28	0.09	2.07	0.4	<0.01	<5	85	0.18	<0.01	1.78	0.03	13.6	20.3	57.5
5280876	6.78	0.15	2.70	0.5	<0.01	<5	81	0.19	<0.01	2.60	0.03	14.3	20.2	51.6

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5280877	6.67	0.08	1.97	0.3	<0.01	<5	84	0.13	<0.01	1.66	0.03	13.8	18.6	63.4
5280878	7.40	0.08	2.16	0.3	<0.01	<5	64	0.17	<0.01	1.56	0.03	14.3	18.6	44.5
5280879	6.85	0.07	3.31	0.3	<0.01	<5	131	0.21	<0.01	2.41	0.03	13.4	21.1	48.2
5280880	0.03	1.96	1.51	43.8	0.24	<5	245	0.35	0.33	4.50	1.76	18.0	19.5	26.6
5280881	6.70	0.09	3.13	0.3	<0.01	<5	109	0.23	0.01	3.32	0.03	11.7	19.4	63.5
5280882	6.99	0.10	1.79	0.4	<0.01	<5	59	0.09	0.01	1.63	0.04	12.5	16.2	60.6
5280883	6.65	0.10	2.15	0.2	<0.01	<5	75	0.11	0.02	1.82	0.02	7.61	17.9	77.2
5280884	5.93	0.06	2.37	0.4	<0.01	<5	80	0.17	<0.01	2.20	0.02	10.3	18.0	60.3
5280885	6.99	0.10	2.45	0.3	<0.01	<5	77	0.13	0.02	2.25	0.03	12.4	21.9	52.9
5280886	8.60	0.10	2.57	0.5	<0.01	<5	83	0.12	0.01	2.16	0.03	8.56	20.7	89.5
5280887	5.88	0.02	1.00	0.4	<0.01	<5	73	0.17	<0.01	0.99	<0.01	30.2	5.3	90.7
5280888	4.17	0.03	0.87	0.3	<0.01	<5	63	0.23	<0.01	0.78	<0.01	13.6	4.2	91.9
5280889	3.36	0.10	2.89	0.6	<0.01	<5	111	0.15	<0.01	2.24	0.03	8.15	20.7	67.3
5280890	3.28	0.09	2.61	0.3	<0.01	<5	94	0.16	<0.01	2.28	0.03	8.03	20.1	55.9
5280891	6.67	0.09	2.32	0.5	<0.01	<5	119	0.18	<0.01	2.33	0.03	13.0	20.8	49.0
5280892	6.94	0.12	2.75	0.3	<0.01	<5	131	0.17	0.01	2.27	0.04	10.8	22.5	47.2
5280893	7.05	0.14	2.70	0.3	<0.01	<5	75	0.13	0.02	2.21	0.03	8.26	19.7	60.7
5280894	6.96	0.11	2.21	0.2	<0.01	<5	52	0.12	0.01	1.86	0.04	7.83	17.8	50.1
5280895	6.05	0.13	2.32	0.2	<0.01	<5	59	0.10	0.02	1.95	0.04	13.3	18.3	88.8
5280896	6.92	0.09	1.72	<0.1	<0.01	<5	51	0.09	<0.01	1.73	0.04	14.3	20.7	66.1
5280897	5.97	0.81	2.28	0.1	<0.01	<5	38	0.17	0.12	2.17	0.07	10.3	21.4	42.3
5280898	6.42	0.09	2.67	0.3	<0.01	<5	43	0.10	<0.01	2.14	0.03	7.77	20.6	39.9
5280899	6.82	0.07	4.65	<0.1	<0.01	<5	46	0.11	<0.01	3.14	0.02	5.25	24.6	45.6
5280900	6.51	0.14	2.95	0.2	<0.01	<5	48	0.09	0.02	2.20	0.03	9.21	17.4	45.0
5280901	7.25	0.15	2.28	<0.1	<0.01	<5	54	0.10	0.02	1.80	0.03	7.71	16.2	44.1
5280902	5.96	0.22	2.58	0.3	<0.01	<5	65	0.11	0.03	1.90	0.05	8.54	15.8	59.8
5280903	6.76	0.20	2.73	<0.1	<0.01	<5	49	0.12	0.02	2.07	0.04	8.08	18.9	44.3
5280904	6.50	0.17	2.55	0.1	<0.01	<5	57	0.12	0.02	2.00	0.06	8.16	19.3	51.2
5280905	6.18	0.12	2.72	0.2	<0.01	<5	51	0.13	0.01	2.36	0.05	9.47	21.6	40.4
5280906	6.65	0.09	2.07	0.2	<0.01	<5	51	0.10	0.01	1.74	0.04	10.3	16.5	38.9
5280907	6.73	0.10	2.46	0.1	<0.01	<5	52	0.09	0.01	1.99	0.03	8.62	17.2	38.9
5280908	6.54	0.12	2.78	0.2	<0.01	<5	57	0.12	0.01	2.18	0.03	10.7	21.4	43.8

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5280909	5.78	0.09	2.05	0.2	<0.01	<5	43	0.10	<0.01	1.81	0.03	9.35	18.8	40.5
5280910	6.28	0.17	2.23	0.1	<0.01	<5	66	0.14	0.01	1.69	0.03	12.7	21.2	44.9
5280911	6.62	0.13	2.14	<0.1	<0.01	<5	51	0.11	0.01	1.64	0.03	7.03	20.4	41.6
5280912	6.32	0.14	1.63	0.1	<0.01	<5	46	0.08	0.02	1.48	0.04	13.0	15.4	44.5
5280913	6.78	0.13	1.97	0.2	<0.01	<5	52	0.10	0.01	1.59	0.04	10.5	17.4	46.5
5280914	6.15	0.10	1.54	<0.1	<0.01	<5	44	0.11	0.01	1.49	0.03	12.4	16.1	47.4
5280915	6.60	0.09	2.24	<0.1	<0.01	<5	57	0.13	0.01	1.87	0.03	11.7	18.9	46.9
5280916	6.59	0.10	2.36	0.3	<0.01	<5	57	0.14	0.03	1.82	0.03	9.74	23.1	45.2
5280917	6.21	0.22	2.21	0.2	<0.01	<5	54	0.15	<0.01	1.80	0.03	12.8	23.4	47.0
5280918	5.67	0.10	2.10	<0.1	<0.01	<5	98	0.14	0.01	1.62	0.03	13.4	23.1	47.1
5280919	3.03	0.16	1.98	0.1	0.02	<5	61	0.13	0.02	1.57	0.04	12.9	21.7	48.2
5280920	3.08	0.14	2.24	0.1	<0.01	<5	60	0.11	0.02	1.86	0.04	12.5	22.8	47.2
5280921	6.46	0.14	1.68	<0.1	<0.01	<5	124	0.11	0.01	1.50	0.03	15.6	19.7	53.4
5280922	6.51	0.16	1.53	0.1	<0.01	<5	72	0.11	0.02	1.30	0.04	14.3	16.0	44.4
5280923	6.83	0.15	2.17	<0.1	<0.01	<5	66	0.14	0.01	1.88	0.04	13.6	17.3	52.9
5280924	5.82	0.11	2.43	<0.1	<0.01	<5	74	0.16	0.01	2.08	0.03	16.4	20.1	67.5
5280925	6.45	0.09	1.79	<0.1	<0.01	<5	65	0.12	0.01	1.54	0.03	13.1	19.0	57.8
5280926	6.39	0.10	1.25	0.2	<0.01	<5	49	0.09	0.01	1.14	0.03	16.6	15.3	50.9
5280927	4.88	0.07	1.21	0.1	<0.01	<5	62	0.08	0.01	1.04	0.02	14.3	12.8	42.0

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5280813	<0.05	406	4.06	4.33	0.17	0.08	<0.01	0.014	0.04	5.3	1.9	0.57	249	0.60
5280814	0.09	260	4.31	4.47	0.18	0.10	<0.01	0.016	0.03	5.3	1.3	0.65	333	0.48
5280815	0.07	266	4.32	4.81	0.19	0.16	<0.01	0.018	0.10	7.0	1.3	0.72	347	0.67
5280816	0.09	303	3.91	6.09	0.15	0.16	<0.01	0.009	0.12	4.5	3.4	1.01	495	0.44
5280817	0.07	289	4.60	5.47	0.17	0.10	<0.01	0.011	0.04	5.2	2.2	0.90	483	0.37
5280818	0.06	269	4.58	5.07	0.17	0.09	<0.01	0.012	0.04	5.0	1.7	0.81	438	0.41
5280819	0.29	101	0.99	3.01	0.15	0.16	<0.01	<0.005	0.10	8.5	1.7	0.33	141	0.93
5280820	<0.05	11.9	0.50	0.13	<0.05	<0.02	0.03	0.180	0.02	0.5	0.5	6.74	293	0.44
5280821	0.10	127	3.10	6.15	0.15	0.14	<0.01	0.010	0.10	3.8	3.1	0.92	417	0.41
5280822	0.08	255	3.67	5.34	0.16	0.13	<0.01	0.010	0.05	4.3	2.3	0.87	428	0.51
5280823	0.05	642	4.67	5.57	0.18	0.10	<0.01	0.011	0.04	6.0	2.1	0.88	460	1.24
5280824	0.09	286	4.09	6.09	0.16	0.13	<0.01	0.011	0.06	4.4	2.5	1.05	503	1.51
5280825	0.10	434	4.08	4.43	0.17	0.07	<0.01	0.012	0.03	5.6	1.4	0.59	272	0.39
5280826	0.06	380	4.49	5.70	0.17	0.12	<0.01	0.017	0.05	4.8	1.4	0.83	398	0.90
5280827	0.08	306	4.55	6.04	0.17	0.13	<0.01	0.012	0.05	4.3	3.1	1.24	587	0.47
5280828	0.08	395	3.50	5.17	0.13	0.12	<0.01	0.030	0.05	3.4	2.9	1.76	450	0.35
5280829	0.08	595	4.34	5.41	0.16	0.09	<0.01	0.011	0.04	3.9	2.3	0.85	443	0.51
5280830	1.07	3750	4.76	5.17	0.15	0.10	0.22	0.069	0.24	8.5	8.6	1.46	887	505
5280831	0.08	409	4.02	6.57	0.16	0.10	<0.01	0.011	0.06	3.4	3.8	1.29	633	2.50
5280832	0.07	376	5.08	6.19	0.16	0.09	<0.01	0.012	0.03	3.8	4.0	1.39	666	1.54
5280833	0.09	425	4.86	6.56	0.16	0.12	<0.01	0.014	0.05	4.3	2.9	1.16	612	0.93
5280834	0.09	412	4.76	5.94	0.17	0.10	<0.01	0.015	0.04	4.1	3.1	1.17	504	0.59
5280835	0.12	438	4.49	5.60	0.15	0.09	<0.01	0.012	0.06	3.2	2.3	0.91	440	0.96
5280836	0.18	417	4.46	5.80	0.15	0.11	<0.01	0.012	0.09	2.3	2.0	1.03	408	0.77
5280837	0.13	229	3.13	5.24	0.14	0.10	<0.01	0.008	0.09	3.0	3.0	1.05	435	0.66
5280838	0.11	345	4.20	6.38	0.15	0.10	<0.01	0.012	0.07	4.0	3.2	1.26	549	0.74
5280839	0.09	292	4.21	6.24	0.15	0.10	<0.01	0.011	0.05	3.8	3.5	1.32	607	0.67
5280840	0.08	273	4.22	5.97	0.15	0.08	<0.01	0.010	0.04	3.6	3.9	1.27	588	0.62
5280841	0.09	276	4.18	6.46	0.15	0.13	<0.01	0.012	0.06	3.6	3.2	1.22	567	0.77
5280842	0.11	186	3.62	6.38	0.16	0.13	<0.01	0.011	0.06	3.6	5.1	1.40	538	0.86
5280843	0.10	232	4.57	7.18	0.16	0.17	<0.01	0.014	0.07	4.4	3.6	1.36	642	0.75
5280844	0.08	212	4.77	6.91	0.16	0.16	<0.01	0.016	0.06	4.8	3.4	1.31	635	0.76

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5280845	0.09	172	4.44	5.95	0.16	0.12	<0.01	0.011	0.04	4.6	2.7	0.96	466	0.72
5280846	0.07	230	4.12	5.52	0.16	0.11	<0.01	0.014	0.04	4.5	2.1	1.06	429	0.82
5280847	0.08	226	3.87	5.10	0.15	0.12	<0.01	0.012	0.04	4.3	2.6	0.96	406	0.55
5280848	0.05	189	3.48	5.05	0.16	0.13	<0.01	0.013	0.04	4.2	1.4	0.82	342	0.51
5280849	0.07	199	3.84	6.19	0.16	0.15	<0.01	0.015	0.06	3.9	2.0	1.10	423	0.62
5280850	0.07	19.4	0.62	0.61	<0.05	0.03	<0.01	0.015	0.02	0.6	0.7	6.90	327	0.13
5280851	0.07	137	3.63	5.35	0.16	0.09	<0.01	0.012	0.05	4.6	2.2	0.93	339	0.49
5280852	0.10	146	4.16	6.29	0.17	0.15	<0.01	0.016	0.04	4.5	2.8	1.29	517	0.65
5280853	0.07	191	4.36	6.09	0.17	0.17	<0.01	0.016	0.05	4.7	2.0	1.07	508	0.59
5280854	0.07	187	4.46	5.98	0.16	0.17	<0.01	0.016	0.05	4.4	2.2	1.08	516	0.53
5280855	0.06	245	4.13	5.71	0.16	0.18	<0.01	0.013	0.07	4.9	2.7	1.07	504	0.74
5280856	0.09	132	3.98	6.82	0.16	0.20	<0.01	0.013	0.11	4.9	4.1	1.43	622	1.25
5280857	0.06	304	3.79	5.49	0.16	0.09	<0.01	0.010	0.03	4.3	2.2	0.73	333	0.55
5280858	0.06	257	4.30	6.61	0.18	0.14	<0.01	0.015	0.05	5.6	2.1	1.00	461	0.45
5280859	0.09	177	4.24	5.88	0.16	0.12	<0.01	0.014	0.04	5.7	1.9	0.91	460	0.42
5280860	0.10	176	4.22	5.37	0.17	0.08	<0.01	0.010	0.03	5.7	2.0	0.89	414	0.41
5280861	0.10	299	5.56	6.41	0.19	0.12	<0.01	0.013	0.04	5.8	2.8	1.08	594	2.50
5280862	0.10	269	4.68	6.81	0.18	0.21	<0.01	0.016	0.07	5.8	2.9	1.11	593	0.58
5280863	0.10	151	4.17	8.32	0.17	0.16	<0.01	0.015	0.06	5.3	5.1	1.50	743	0.77
5280864	0.11	158	4.63	6.44	0.18	0.12	<0.01	0.014	0.06	6.6	2.8	1.19	553	0.74
5280865	0.12	141	4.38	6.64	0.17	0.11	<0.01	0.011	0.04	5.7	4.2	1.39	683	0.45
5280866	0.09	373	4.31	6.00	0.18	0.15	<0.01	0.013	0.05	6.0	2.2	1.01	554	0.48
5280867	0.11	241	4.42	6.22	0.18	0.17	<0.01	0.014	0.05	5.7	3.3	1.24	622	0.37
5280868	0.22	476	4.73	8.44	0.18	0.31	<0.01	0.024	0.07	5.6	5.6	1.55	735	0.74
5280869	0.11	655	5.98	7.43	0.18	0.23	<0.01	0.021	0.08	6.0	2.8	1.25	606	0.69
5280870	0.16	4.6	0.43	0.23	<0.05	<0.02	<0.01	<0.005	0.04	0.5	0.9	7.68	338	0.31
5280871	0.07	198	3.80	5.52	0.17	0.10	<0.01	0.014	0.04	5.7	1.8	0.69	310	0.57
5280872	0.10	476	4.33	6.61	0.18	0.15	<0.01	0.014	0.04	5.5	3.7	1.10	504	0.52
5280873	0.10	171	5.01	7.38	0.18	0.09	<0.01	0.015	0.03	6.0	5.2	1.76	712	0.63
5280874	0.18	387	5.50	8.23	0.17	0.09	<0.01	0.018	0.05	6.6	5.4	2.00	872	0.54
5280875	0.15	546	4.76	7.23	0.17	0.14	<0.01	0.016	0.06	5.4	5.3	1.40	669	1.06
5280876	0.18	727	4.61	8.71	0.18	0.19	<0.01	0.018	0.06	5.7	4.9	1.57	749	0.70

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5280877	0.10	331	4.74	6.87	0.17	0.13	<0.01	0.015	0.04	5.4	3.3	1.30	538	0.49
5280878	0.12	258	4.43	6.87	0.17	0.10	<0.01	0.011	0.03	5.6	3.9	1.53	614	0.70
5280879	0.15	215	4.91	7.94	0.16	0.09	<0.01	0.015	0.05	5.4	4.1	1.71	723	0.50
5280880	1.20	3760	4.80	5.86	0.16	0.10	0.23	0.068	0.25	9.5	10.2	1.50	884	519
5280881	0.20	248	4.44	8.84	0.17	0.10	<0.01	0.018	0.05	4.7	5.8	1.54	788	0.92
5280882	0.07	312	4.76	6.40	0.17	0.11	<0.01	0.014	0.05	4.9	2.1	0.96	416	0.59
5280883	0.15	398	4.29	7.01	0.15	0.08	<0.01	0.012	0.11	3.3	5.5	1.25	556	1.43
5280884	0.14	305	4.02	7.74	0.16	0.13	<0.01	0.011	0.11	4.2	6.0	1.31	610	0.75
5280885	0.18	532	5.56	8.51	0.17	0.10	<0.01	0.012	0.08	4.8	5.9	1.62	773	1.73
5280886	0.18	465	4.96	7.93	0.16	0.10	<0.01	0.014	0.10	3.6	3.9	1.31	584	0.66
5280887	0.16	18.5	1.24	4.77	0.17	0.15	<0.01	0.005	0.14	16.1	3.6	0.41	274	1.32
5280888	0.14	29.2	1.08	4.19	0.14	0.12	<0.01	<0.005	0.14	5.7	4.0	0.32	209	1.31
5280889	0.18	391	4.96	8.64	0.16	0.11	<0.01	0.011	0.13	3.6	5.4	1.53	702	0.64
5280890	0.18	344	4.83	8.24	0.16	0.10	<0.01	0.011	0.11	3.5	5.0	1.36	664	0.48
5280891	0.26	303	5.26	7.98	0.17	0.08	<0.01	0.014	0.09	5.0	5.8	1.40	756	0.66
5280892	0.15	359	4.91	8.61	0.16	0.08	<0.01	0.013	0.08	4.2	5.9	1.65	681	0.60
5280893	0.10	355	5.19	7.91	0.17	0.09	<0.01	0.015	0.06	3.4	2.8	1.23	565	0.91
5280894	0.09	292	4.66	7.21	0.16	0.06	<0.01	0.011	0.04	3.4	2.5	0.92	392	0.56
5280895	0.07	355	5.14	7.61	0.17	0.09	<0.01	0.017	0.04	5.0	2.2	0.86	397	1.00
5280896	0.11	327	5.87	6.80	0.18	0.08	<0.01	0.021	0.04	5.3	1.6	0.97	442	0.60
5280897	0.09	969	4.29	7.57	0.16	0.08	<0.01	0.012	0.04	3.9	5.2	1.40	600	1.33
5280898	0.09	213	4.71	8.51	0.15	0.08	<0.01	0.012	0.05	3.3	4.0	1.08	419	0.36
5280899	0.06	185	4.71	10.8	0.13	0.10	<0.01	0.013	0.05	2.3	4.6	1.50	423	0.35
5280900	0.08	417	4.66	8.10	0.16	0.07	<0.01	0.012	0.04	4.0	2.1	0.82	392	0.40
5280901	0.14	581	3.96	7.34	0.15	0.08	<0.01	0.012	0.06	3.3	2.9	0.68	308	0.26
5280902	0.07	884	4.19	7.76	0.15	0.09	<0.01	0.014	0.05	3.5	2.8	0.65	302	0.36
5280903	0.08	534	4.56	8.06	0.15	0.10	<0.01	0.013	0.05	3.4	3.0	0.94	447	0.90
5280904	0.06	491	5.28	8.12	0.17	0.11	<0.01	0.015	0.04	3.4	2.5	0.92	396	0.39
5280905	0.09	406	4.23	7.90	0.15	0.09	<0.01	0.013	0.04	3.7	5.5	1.27	570	0.39
5280906	0.08	236	4.10	7.23	0.15	0.08	<0.01	0.012	0.04	4.0	4.3	0.73	307	0.52
5280907	0.07	249	4.06	7.48	0.16	0.09	<0.01	0.013	0.04	3.6	3.6	0.85	336	0.29
5280908	0.14	400	5.28	8.65	0.17	0.13	<0.01	0.015	0.05	4.1	5.1	1.28	563	0.34

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5280909	0.08	254	4.25	6.99	0.16	0.07	<0.01	0.011	0.03	3.6	6.2	1.05	493	0.70
5280910	0.10	385	4.54	7.69	0.17	0.12	<0.01	0.014	0.05	4.7	7.2	1.30	541	0.45
5280911	0.10	347	3.74	6.89	0.14	0.07	<0.01	0.010	0.04	3.0	6.8	1.24	489	0.54
5280912	<0.05	395	3.95	6.37	0.17	0.09	<0.01	0.015	0.04	4.9	3.4	0.60	252	0.33
5280913	<0.05	342	3.74	7.05	0.16	0.09	<0.01	0.014	0.03	4.0	3.5	0.65	296	0.35
5280914	0.05	343	3.82	6.27	0.16	0.09	<0.01	0.014	0.03	4.6	3.9	0.69	298	0.39
5280915	0.10	319	4.23	7.59	0.15	0.10	<0.01	0.014	0.04	4.4	3.9	0.90	405	0.41
5280916	0.06	353	4.48	8.16	0.16	0.12	<0.01	0.012	0.04	3.8	7.1	1.33	571	0.41
5280917	0.08	244	4.25	7.71	0.18	0.10	<0.01	0.015	0.03	4.8	8.4	1.56	603	0.67
5280918	0.08	401	4.52	7.46	0.17	0.07	<0.01	0.016	0.05	4.9	7.7	1.47	590	2.08
5280919	0.07	512	4.64	7.29	0.19	0.11	<0.01	0.015	0.04	4.9	5.2	1.28	468	0.45
5280920	0.07	464	4.66	8.13	0.18	0.13	<0.01	0.016	0.04	4.7	5.3	1.44	538	0.44
5280921	0.07	554	4.46	6.87	0.18	0.11	<0.01	0.016	0.04	5.9	3.9	0.96	385	0.42
5280922	<0.05	511	3.72	6.24	0.16	0.07	<0.01	0.015	0.05	5.3	3.8	0.67	256	0.52
5280923	0.05	481	4.16	7.60	0.17	0.14	<0.01	0.014	0.05	5.3	4.4	0.76	367	0.42
5280924	0.12	270	4.62	8.56	0.18	0.10	<0.01	0.019	0.05	6.1	6.0	1.13	492	0.66
5280925	0.05	262	4.35	7.12	0.17	0.12	<0.01	0.016	0.04	4.9	4.6	0.86	387	0.51
5280926	<0.05	376	4.07	6.07	0.17	0.10	<0.01	0.016	0.04	6.0	2.9	0.54	227	0.58
5280927	<0.05	184	3.13	5.45	0.15	0.07	<0.01	0.015	0.06	5.0	4.4	0.44	165	0.54

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5280813	0.20	0.16	11.8	817	0.8	0.7	<0.001	0.062	<0.05	2.4	<0.2	<0.2	80.3	<0.01
5280814	0.30	0.18	12.6	796	0.5	0.6	<0.001	0.035	<0.05	3.4	<0.2	<0.2	101	<0.01
5280815	0.28	0.22	13.5	777	1.3	1.9	0.001	0.096	0.05	3.7	0.2	0.2	103	<0.01
5280816	0.17	0.16	11.8	788	0.9	2.8	<0.001	0.073	<0.05	3.1	<0.2	<0.2	124	<0.01
5280817	0.20	0.14	12.3	819	0.5	0.5	<0.001	0.050	<0.05	3.3	<0.2	<0.2	96.9	<0.01
5280818	0.21	0.15	12.0	844	0.5	0.5	<0.001	0.047	<0.05	3.5	<0.2	<0.2	105	<0.01
5280819	0.06	0.46	3.1	135	1.5	3.3	<0.001	0.009	<0.05	1.6	<0.2	<0.2	29.6	<0.01
5280820	<0.01	0.12	3.1	78	15.4	0.6	<0.001	0.324	1.51	0.3	<0.2	4.1	37.2	<0.01
5280821	0.20	0.14	9.0	818	0.9	1.9	<0.001	0.045	0.11	3.3	<0.2	<0.2	129	<0.01
5280822	0.20	0.12	10.7	922	0.5	0.9	<0.001	0.040	<0.05	3.4	<0.2	<0.2	97.6	<0.01
5280823	0.19	0.12	12.1	917	0.5	0.6	<0.001	0.076	<0.05	2.9	<0.2	<0.2	83.3	<0.01
5280824	0.24	0.12	11.8	940	0.5	1.0	<0.001	0.049	<0.05	4.1	<0.2	<0.2	147	<0.01
5280825	0.18	0.14	10.4	910	0.4	0.4	<0.001	0.051	<0.05	2.5	<0.2	<0.2	71.2	<0.01
5280826	0.41	0.15	14.6	916	0.6	0.5	0.001	0.081	<0.05	4.9	<0.2	<0.2	135	<0.01
5280827	0.23	0.12	15.9	834	0.5	0.9	<0.001	0.043	<0.05	4.6	<0.2	<0.2	100	<0.01
5280828	0.18	0.12	12.2	746	2.6	0.9	<0.001	0.067	0.19	3.3	<0.2	0.6	99.0	<0.01
5280829	0.19	0.12	11.7	761	0.7	0.6	<0.001	0.065	<0.05	3.1	<0.2	<0.2	130	<0.01
5280830	0.11	0.14	21.8	592	9.5	9.9	0.068	2.00	7.98	7.4	4.8	0.9	135	<0.01
5280831	0.21	0.12	15.1	713	0.9	1.0	0.001	0.064	0.11	4.1	<0.2	0.2	154	<0.01
5280832	0.19	0.10	17.1	742	0.7	0.6	<0.001	0.060	<0.05	3.9	<0.2	0.2	77.7	<0.01
5280833	0.29	0.15	14.8	816	0.7	1.0	<0.001	0.071	<0.05	4.7	<0.2	<0.2	112	<0.01
5280834	0.24	0.13	15.7	737	0.8	0.7	<0.001	0.074	<0.05	3.9	<0.2	<0.2	103	<0.01
5280835	0.28	0.14	14.6	558	0.7	1.1	<0.001	0.070	<0.05	3.4	<0.2	<0.2	127	<0.01
5280836	0.36	0.16	21.4	163	0.8	2.0	0.001	0.061	<0.05	3.7	<0.2	<0.2	106	<0.01
5280837	0.23	0.13	15.1	474	0.6	1.7	<0.001	0.040	<0.05	3.4	<0.2	<0.2	85.6	<0.01
5280838	0.30	0.13	18.0	604	0.6	1.3	<0.001	0.063	<0.05	4.0	<0.2	<0.2	96.9	<0.01
5280839	0.29	0.13	19.0	559	0.7	0.8	<0.001	0.048	<0.05	4.1	<0.2	<0.2	113	<0.01
5280840	0.23	0.12	18.9	542	0.6	0.7	<0.001	0.042	<0.05	3.2	<0.2	<0.2	86.2	<0.01
5280841	0.31	0.13	19.9	513	0.7	1.1	<0.001	0.051	<0.05	4.6	<0.2	<0.2	121	<0.01
5280842	0.12	0.19	19.7	632	0.6	1.5	<0.001	0.039	<0.05	4.7	<0.2	0.2	119	<0.01
5280843	0.31	0.15	17.5	694	0.7	1.3	<0.001	0.051	0.09	5.6	<0.2	<0.2	114	<0.01
5280844	0.44	0.15	18.4	657	0.7	0.9	<0.001	0.054	<0.05	5.6	<0.2	0.2	144	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 10V421753

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5280845	0.29	0.15	16.0	679	0.6	0.8	<0.001	0.055	<0.05	4.0	<0.2	<0.2	104	<0.01
5280846	0.46	0.14	21.5	673	0.6	0.5	<0.001	0.077	<0.05	3.6	<0.2	0.2	130	<0.01
5280847	0.28	0.14	18.2	639	0.5	0.7	<0.001	0.057	<0.05	3.8	<0.2	<0.2	101	<0.01
5280848	0.41	0.14	19.4	657	0.5	0.5	<0.001	0.056	<0.05	3.9	<0.2	0.2	135	<0.01
5280849	0.50	0.14	22.8	578	0.9	0.7	<0.001	0.067	<0.05	5.1	<0.2	0.2	169	<0.01
5280850	0.09	0.11	3.7	109	2.0	0.7	<0.001	0.281	0.08	0.7	<0.2	0.2	57.3	<0.01
5280851	0.35	0.13	22.3	826	0.8	0.5	<0.001	0.045	<0.05	3.2	<0.2	0.2	129	<0.01
5280852	0.38	0.13	26.5	710	0.8	0.5	<0.001	0.063	<0.05	4.6	<0.2	0.3	159	<0.01
5280853	0.39	0.16	21.2	765	0.8	0.6	<0.001	0.051	<0.05	5.1	<0.2	0.2	129	<0.01
5280854	0.37	0.16	21.6	734	0.6	0.5	<0.001	0.044	<0.05	4.9	<0.2	0.2	120	<0.01
5280855	0.24	0.18	22.1	837	0.9	1.6	<0.001	0.055	0.08	4.9	<0.2	0.2	107	<0.01
5280856	0.27	0.18	25.9	619	1.8	2.8	0.001	0.059	0.12	4.7	<0.2	0.3	115	<0.01
5280857	0.23	0.15	17.5	1000	0.4	0.4	<0.001	0.044	<0.05	3.4	<0.2	<0.2	108	<0.01
5280858	0.42	0.17	18.2	1070	0.5	0.4	<0.001	0.047	<0.05	5.8	<0.2	<0.2	142	<0.01
5280859	0.37	0.14	14.1	803	0.5	0.6	<0.001	0.036	<0.05	3.9	<0.2	<0.2	139	<0.01
5280860	0.24	0.13	13.6	787	0.5	0.6	<0.001	0.039	<0.05	2.8	<0.2	<0.2	105	<0.01
5280861	0.26	0.15	21.8	835	0.5	0.6	0.001	0.044	0.07	4.1	<0.2	0.2	113	<0.01
5280862	0.31	0.18	15.7	848	0.6	1.1	<0.001	0.050	0.06	5.9	<0.2	0.2	123	<0.01
5280863	0.18	0.17	18.6	840	0.8	1.4	<0.001	0.054	0.13	6.0	<0.2	0.2	208	<0.01
5280864	0.31	0.14	14.3	788	0.6	1.2	<0.001	0.047	<0.05	4.3	<0.2	<0.2	107	<0.01
5280865	0.15	0.15	16.7	823	0.5	1.0	<0.001	0.040	0.06	3.9	<0.2	<0.2	85.6	<0.01
5280866	0.27	0.14	14.2	784	0.5	0.6	<0.001	0.052	<0.05	4.4	<0.2	<0.2	104	<0.01
5280867	0.29	0.13	18.8	794	0.7	0.5	<0.001	0.047	<0.05	5.3	<0.2	<0.2	117	<0.01
5280868	0.32	0.17	23.1	783	0.9	1.0	<0.001	0.067	0.08	9.3	0.2	0.3	154	<0.01
5280869	0.30	0.17	20.4	966	0.7	1.1	<0.001	0.077	<0.05	6.5	<0.2	0.3	142	<0.01
5280870	<0.01	0.12	3.8	139	1.4	1.3	<0.001	0.329	<0.05	0.3	<0.2	<0.2	45.6	<0.01
5280871	0.38	0.15	13.5	953	0.6	0.3	<0.001	0.042	<0.05	3.9	<0.2	<0.2	167	<0.01
5280872	0.23	0.14	15.6	1040	0.7	0.7	<0.001	0.063	<0.05	4.4	<0.2	<0.2	147	<0.01
5280873	0.35	0.13	18.7	800	0.9	0.3	<0.001	0.046	<0.05	4.9	<0.2	<0.2	174	<0.01
5280874	0.44	0.13	20.2	777	1.3	0.4	<0.001	0.075	<0.05	5.5	<0.2	0.2	539	<0.01
5280875	0.28	0.13	17.2	789	0.8	1.1	<0.001	0.077	<0.05	5.6	<0.2	<0.2	135	<0.01
5280876	0.34	0.15	18.3	855	1.1	1.0	<0.001	0.095	<0.05	7.0	0.2	<0.2	171	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5280877	0.34	0.13	19.7	899	0.7	0.5	<0.001	0.062	<0.05	4.6	<0.2	<0.2	157	<0.01
5280878	0.28	0.12	17.0	845	0.7	0.5	<0.001	0.051	<0.05	3.9	<0.2	<0.2	132	<0.01
5280879	0.45	0.10	20.8	843	0.9	0.7	<0.001	0.052	<0.05	5.1	<0.2	<0.2	372	<0.01
5280880	0.11	0.12	21.9	716	10.0	10.3	0.069	2.03	7.25	7.8	5.1	0.8	145	<0.01
5280881	0.27	0.14	19.6	745	1.4	1.0	<0.001	0.070	<0.05	6.8	<0.2	0.2	290	<0.01
5280882	0.36	0.14	16.0	887	0.6	0.7	0.001	0.055	<0.05	4.3	<0.2	<0.2	127	<0.01
5280883	0.29	0.11	22.0	680	0.8	2.8	<0.001	0.064	<0.05	4.6	<0.2	<0.2	126	<0.01
5280884	0.28	0.11	15.7	994	0.7	2.2	<0.001	0.065	0.06	4.8	<0.2	<0.2	144	<0.01
5280885	0.26	0.13	18.6	1130	0.6	1.9	<0.001	0.087	<0.05	4.9	<0.2	<0.2	121	<0.01
5280886	0.41	0.10	21.5	704	1.0	2.0	<0.001	0.079	0.05	4.1	<0.2	0.4	165	<0.01
5280887	0.14	0.55	5.2	315	1.1	4.6	<0.001	0.022	<0.05	2.5	<0.2	0.2	96.6	<0.01
5280888	0.11	0.41	4.4	262	1.3	4.2	<0.001	0.017	<0.05	1.7	<0.2	<0.2	41.2	<0.01
5280889	0.40	0.11	19.5	692	1.1	2.6	<0.001	0.068	<0.05	4.4	<0.2	<0.2	175	<0.01
5280890	0.39	0.10	19.5	729	1.0	2.3	<0.001	0.067	<0.05	4.4	<0.2	<0.2	161	<0.01
5280891	0.22	0.11	17.2	1120	0.9	2.0	<0.001	0.069	<0.05	4.9	<0.2	<0.2	111	<0.01
5280892	0.31	0.10	20.6	904	0.8	1.7	<0.001	0.083	<0.05	4.8	<0.2	<0.2	170	<0.01
5280893	0.53	0.11	22.8	764	0.7	1.0	<0.001	0.064	<0.05	5.0	<0.2	<0.2	210	<0.01
5280894	0.45	0.10	16.4	879	0.6	0.7	<0.001	0.064	<0.05	3.9	<0.2	<0.2	188	<0.01
5280895	0.56	0.14	17.6	1110	0.7	0.6	<0.001	0.064	<0.05	4.4	<0.2	<0.2	204	<0.01
5280896	0.34	0.14	20.3	903	0.5	0.6	<0.001	0.066	<0.05	4.9	<0.2	0.2	139	<0.01
5280897	0.29	0.10	17.0	891	0.6	1.0	0.002	0.089	<0.05	4.5	<0.2	<0.2	126	<0.01
5280898	0.42	0.13	16.8	814	0.5	1.0	<0.001	0.075	<0.05	4.7	<0.2	<0.2	239	<0.01
5280899	0.78	0.12	22.6	557	0.6	0.8	<0.001	0.100	<0.05	6.9	<0.2	<0.2	447	<0.01
5280900	0.64	0.12	15.9	972	0.6	0.8	<0.001	0.069	<0.05	4.4	<0.2	<0.2	269	<0.01
5280901	0.60	0.11	16.2	859	0.6	1.9	<0.001	0.072	<0.05	4.0	<0.2	<0.2	243	<0.01
5280902	0.70	0.11	16.8	822	0.7	0.7	<0.001	0.092	<0.05	4.2	<0.2	<0.2	243	<0.01
5280903	0.63	0.10	17.4	999	0.7	0.9	<0.001	0.075	<0.05	4.6	<0.2	<0.2	246	<0.01
5280904	0.67	0.12	19.8	769	0.9	0.3	<0.001	0.078	<0.05	4.5	<0.2	<0.2	223	<0.01
5280905	0.50	0.10	17.7	1010	0.8	0.5	<0.001	0.086	<0.05	5.0	<0.2	<0.2	234	<0.01
5280906	0.48	0.11	14.4	1110	0.6	0.5	<0.001	0.058	<0.05	3.7	<0.2	<0.2	183	<0.01
5280907	0.59	0.12	17.9	989	0.6	0.5	<0.001	0.063	<0.05	5.2	<0.2	<0.2	220	<0.01
5280908	0.56	0.13	19.3	987	0.7	0.6	<0.001	0.075	<0.05	5.5	<0.2	<0.2	212	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5280909	0.32	0.11	16.7	1040	0.5	0.5	<0.001	0.062	<0.05	4.2	<0.2	<0.2	197	<0.01
5280910	0.37	0.13	19.8	1030	0.6	0.8	<0.001	0.065	<0.05	5.3	<0.2	<0.2	160	<0.01
5280911	0.34	0.10	24.0	831	0.6	0.7	<0.001	0.056	<0.05	4.2	<0.2	<0.2	158	<0.01
5280912	0.43	0.13	14.4	1290	0.5	0.3	<0.001	0.069	<0.05	4.0	<0.2	<0.2	142	<0.01
5280913	0.52	0.14	80.9	990	0.7	0.3	<0.001	0.068	<0.05	4.4	<0.2	<0.2	173	<0.01
5280914	0.35	0.14	19.8	1140	0.5	0.3	<0.001	0.063	<0.05	4.5	<0.2	<0.2	120	<0.01
5280915	0.51	0.14	17.9	1090	0.7	0.6	<0.001	0.061	<0.05	5.2	<0.2	<0.2	197	<0.01
5280916	0.37	0.14	21.4	977	0.6	0.6	<0.001	0.066	<0.05	6.2	<0.2	<0.2	195	<0.01
5280917	0.23	0.14	20.0	1070	0.7	0.4	0.001	0.055	<0.05	5.2	<0.2	<0.2	135	<0.01
5280918	0.32	0.14	22.2	1020	0.7	0.6	0.002	0.061	<0.05	6.0	<0.2	<0.2	144	<0.01
5280919	0.37	0.12	20.4	1110	0.7	0.3	<0.001	0.070	<0.05	4.6	0.2	<0.2	141	<0.01
5280920	0.40	0.13	21.0	1050	0.8	0.3	<0.001	0.069	<0.05	5.4	0.2	<0.2	158	<0.01
5280921	0.34	0.15	21.3	1250	0.7	0.5	<0.001	0.068	<0.05	4.1	<0.2	<0.2	162	<0.01
5280922	0.36	0.15	16.5	1220	0.7	0.3	<0.001	0.068	<0.05	3.5	<0.2	0.2	135	<0.01
5280923	0.54	0.16	17.4	1310	0.7	0.3	<0.001	0.072	<0.05	4.9	<0.2	<0.2	218	<0.01
5280924	0.51	0.24	18.7	1150	0.9	0.5	<0.001	0.055	<0.05	6.9	<0.2	0.2	177	<0.01
5280925	0.43	0.18	20.1	1130	0.7	0.4	<0.001	0.048	<0.05	5.2	<0.2	<0.2	171	<0.01
5280926	0.32	0.21	18.5	1210	0.5	0.2	<0.001	0.049	<0.05	3.7	<0.2	0.2	113	<0.01
5280927	0.29	0.20	15.7	1210	0.5	0.3	<0.001	0.030	<0.05	3.0	<0.2	0.2	105	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5280813	<0.01	0.4	0.130	<0.02	0.16	222	<0.05	5.79	22.7	1.7
5280814	<0.01	0.4	0.168	<0.02	0.13	257	<0.05	6.53	20.8	2.1
5280815	<0.01	1.4	0.161	0.03	0.25	249	0.06	9.38	23.6	3.4
5280816	<0.01	0.7	0.114	0.03	0.27	157	0.06	4.47	41.6	4.5
5280817	<0.01	0.2	0.137	<0.02	0.09	224	<0.05	5.24	38.9	2.6
5280818	<0.01	0.2	0.153	<0.02	0.10	225	<0.05	5.53	33.5	2.6
5280819	<0.01	4.6	0.062	<0.02	0.45	20.9	0.08	3.94	13.7	3.0
5280820	<0.01	0.2	<0.005	<0.02	0.68	<0.5	<0.05	0.99	417	<0.5
5280821	<0.01	0.3	0.123	<0.02	0.14	123	<0.05	3.89	34.0	3.5
5280822	<0.01	0.3	0.116	<0.02	0.10	155	<0.05	4.23	34.4	3.7
5280823	<0.01	0.2	0.122	<0.02	0.09	220	<0.05	5.32	37.7	2.4
5280824	<0.01	0.2	0.132	<0.02	0.13	178	<0.05	5.02	36.6	3.8
5280825	<0.01	0.2	0.130	<0.02	0.09	230	<0.05	5.48	21.2	1.8
5280826	<0.01	0.2	0.194	<0.02	0.09	247	<0.05	6.08	28.8	3.4
5280827	<0.01	0.2	0.141	<0.02	0.15	214	<0.05	4.80	39.0	3.2
5280828	<0.01	0.2	0.113	<0.02	0.17	146	<0.05	3.47	89.9	3.2
5280829	<0.01	0.2	0.114	<0.02	0.12	205	<0.05	3.68	34.7	2.2
5280830	<0.01	1.4	0.012	0.11	0.56	99.0	4.40	14.2	58.7	3.0
5280831	<0.01	0.2	0.160	<0.02	0.15	174	<0.05	3.79	46.6	2.8
5280832	<0.01	0.2	0.119	<0.02	0.12	226	<0.05	4.50	50.5	2.4
5280833	<0.01	0.2	0.158	<0.02	0.12	231	0.07	5.57	46.4	3.7
5280834	<0.01	0.2	0.165	<0.02	0.09	247	<0.05	4.99	37.6	2.7
5280835	<0.01	0.3	0.145	<0.02	0.13	224	<0.05	3.55	35.4	2.5
5280836	<0.01	1.2	0.167	<0.02	0.27	235	<0.05	2.53	27.7	2.7
5280837	<0.01	1.1	0.110	<0.02	0.20	134	<0.05	2.91	36.3	3.0
5280838	<0.01	0.2	0.154	<0.02	0.12	200	<0.05	4.18	40.0	2.9
5280839	<0.01	0.1	0.140	<0.02	0.10	196	<0.05	4.19	45.9	2.9
5280840	<0.01	0.1	0.124	<0.02	0.09	194	<0.05	3.82	45.3	2.3
5280841	<0.01	0.1	0.151	<0.02	0.13	192	<0.05	4.12	42.1	3.8
5280842	<0.01	0.9	0.209	<0.02	0.26	151	0.06	4.19	43.8	2.9
5280843	<0.01	0.2	0.184	<0.02	0.10	197	<0.05	5.41	43.2	4.9
5280844	<0.01	0.1	0.203	<0.02	0.09	205	<0.05	5.83	46.6	5.0

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AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5280845	<0.01	0.2	0.161	<0.02	0.11	197	<0.05	4.40	37.7	3.5
5280846	<0.01	0.2	0.196	<0.02	0.09	214	<0.05	5.45	34.5	2.5
5280847	<0.01	0.3	0.147	<0.02	0.15	179	<0.05	4.22	32.7	3.4
5280848	<0.01	0.2	0.171	<0.02	0.10	186	<0.05	4.57	26.3	3.4
5280849	<0.01	0.2	0.196	<0.02	0.11	197	<0.05	4.80	29.9	4.2
5280850	<0.01	<0.1	0.013	<0.02	0.96	7.0	<0.05	1.23	34.3	0.7
5280851	<0.01	0.2	0.166	<0.02	0.08	197	<0.05	4.79	30.9	1.7
5280852	<0.01	0.2	0.175	<0.02	0.09	187	<0.05	5.40	42.8	3.9
5280853	<0.01	0.2	0.195	<0.02	0.12	203	<0.05	5.62	37.5	4.5
5280854	<0.01	0.2	0.167	<0.02	0.10	200	<0.05	5.59	38.1	4.9
5280855	<0.01	0.3	0.155	<0.02	0.16	175	0.06	5.73	37.6	5.4
5280856	<0.01	0.6	0.168	0.03	0.27	157	0.10	5.71	48.0	5.6
5280857	0.02	0.1	0.120	<0.02	0.09	192	<0.05	5.05	33.8	2.5
5280858	0.01	0.2	0.167	<0.02	0.12	204	<0.05	6.92	43.6	4.6
5280859	<0.01	0.2	0.166	<0.02	0.14	203	<0.05	5.78	36.2	3.2
5280860	<0.01	0.2	0.139	<0.02	0.13	203	<0.05	4.92	34.9	2.1
5280861	<0.01	0.2	0.164	<0.02	0.11	225	0.17	5.80	47.9	3.6
5280862	<0.01	0.2	0.189	<0.02	0.26	207	<0.05	6.96	39.7	6.2
5280863	<0.01	0.2	0.191	<0.02	0.25	174	0.09	6.43	58.1	4.7
5280864	<0.01	0.2	0.179	<0.02	0.11	207	<0.05	6.67	40.7	3.4
5280865	<0.01	0.5	0.157	<0.02	0.28	179	<0.05	6.43	55.0	3.2
5280866	<0.01	0.1	0.162	<0.02	0.09	195	<0.05	5.81	40.6	4.3
5280867	<0.01	0.3	0.165	<0.02	0.16	179	<0.05	5.72	47.6	5.3
5280868	<0.01	0.2	0.226	<0.02	0.17	193	<0.05	8.32	48.8	8.6
5280869	<0.01	0.2	0.212	<0.02	0.13	285	<0.05	7.86	45.2	6.6
5280870	<0.01	0.1	<0.005	<0.02	0.83	<0.5	<0.05	1.10	17.2	<0.5
5280871	<0.01	0.1	0.182	<0.02	0.07	211	<0.05	6.03	24.7	2.7
5280872	<0.01	0.2	0.161	<0.02	0.09	203	<0.05	6.53	44.0	4.3
5280873	<0.01	0.1	0.191	<0.02	0.07	215	<0.05	7.00	63.9	2.3
5280874	<0.01	0.1	0.217	<0.02	0.07	239	<0.05	7.17	62.7	2.7
5280875	<0.01	0.8	0.165	<0.02	0.70	202	<0.05	6.36	53.7	4.4
5280876	<0.01	0.3	0.194	<0.02	0.13	189	<0.05	6.54	59.4	5.6

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5280877	<0.01	0.2	0.170	<0.02	0.08	219	<0.05	5.92	48.1	3.8
5280878	<0.01	0.4	0.166	<0.02	0.25	187	<0.05	5.34	55.8	2.5
5280879	<0.01	0.1	0.164	<0.02	0.07	208	<0.05	5.86	60.9	2.7
5280880	0.01	1.3	0.012	0.12	0.56	96.5	4.04	14.2	62.3	3.1
5280881	<0.01	0.5	0.157	<0.02	0.12	187	<0.05	6.27	54.4	2.6
5280882	0.02	0.3	0.176	<0.02	0.11	254	<0.05	5.25	32.9	2.8
5280883	<0.01	0.3	0.147	<0.02	0.20	195	<0.05	3.97	48.3	2.1
5280884	<0.01	0.5	0.143	<0.02	0.22	170	<0.05	4.06	45.0	3.6
5280885	<0.01	0.2	0.167	<0.02	0.14	247	<0.05	6.09	55.9	2.9
5280886	<0.01	0.3	0.152	<0.02	0.16	245	<0.05	4.05	42.6	2.7
5280887	<0.01	4.7	0.097	<0.02	0.84	35.4	<0.05	5.23	21.6	2.4
5280888	0.01	3.6	0.071	<0.02	0.86	29.9	0.07	3.34	18.8	1.8
5280889	<0.01	1.2	0.138	<0.02	0.23	223	<0.05	3.96	58.8	3.5
5280890	<0.01	1.0	0.146	<0.02	0.20	226	<0.05	4.07	51.6	3.3
5280891	<0.01	0.4	0.152	<0.02	0.30	234	<0.05	6.33	55.5	1.9
5280892	<0.01	0.7	0.163	<0.02	0.33	237	<0.05	4.96	52.5	2.0
5280893	0.03	0.2	0.178	<0.02	0.10	258	<0.05	4.57	36.8	2.6
5280894	<0.01	0.2	0.137	<0.02	0.12	240	<0.05	3.91	35.5	1.8
5280895	0.03	0.2	0.178	<0.02	0.13	287	0.05	5.93	29.8	2.3
5280896	0.02	0.1	0.171	<0.02	0.09	350	<0.05	6.78	33.4	2.1
5280897	<0.01	0.3	0.139	<0.02	0.31	206	<0.05	5.20	48.3	1.8
5280898	0.02	0.2	0.159	<0.02	0.12	235	<0.05	3.74	40.1	2.5
5280899	0.02	<0.1	0.174	<0.02	0.06	223	<0.05	3.18	39.9	3.3
5280900	0.01	0.3	0.144	<0.02	0.16	243	<0.05	3.92	30.7	2.2
5280901	0.02	0.3	0.134	<0.02	0.15	227	<0.05	3.87	26.2	2.3
5280902	0.02	0.1	0.171	<0.02	0.08	257	<0.05	4.29	23.9	2.4
5280903	<0.01	0.3	0.150	<0.02	0.14	240	<0.05	4.13	38.6	3.2
5280904	0.02	0.2	0.168	<0.02	0.11	322	<0.05	3.83	33.4	3.3
5280905	<0.01	0.2	0.151	<0.02	0.17	218	<0.05	4.30	48.6	2.9
5280906	0.01	0.2	0.142	<0.02	0.10	234	<0.05	4.44	30.3	2.1
5280907	0.02	0.2	0.154	<0.02	0.09	242	<0.05	4.39	29.5	3.0
5280908	0.03	0.2	0.162	<0.02	0.11	260	<0.05	4.89	45.8	4.3

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V421753
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 23, 2010 | DATE RECEIVED: Jul 23, 2010 | DATE REPORTED: Jul 26, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5280909	<0.01	0.2	0.145	<0.02	0.11	205	<0.05	4.45	41.5	2.4
5280910	0.03	0.2	0.175	<0.02	0.09	224	<0.05	5.86	51.3	3.5
5280911	0.03	0.2	0.116	<0.02	0.11	168	<0.05	3.77	44.4	2.2
5280912	<0.01	0.3	0.145	<0.02	0.12	252	<0.05	5.97	24.7	2.7
5280913	0.02	0.3	0.163	<0.02	0.12	228	<0.05	5.36	27.5	2.3
5280914	<0.01	0.2	0.130	<0.02	0.09	222	<0.05	6.42	28.3	2.6
5280915	0.02	0.1	0.155	<0.02	0.10	240	<0.05	6.02	38.7	3.5
5280916	<0.01	0.2	0.147	<0.02	0.30	218	<0.05	5.20	55.5	3.9
5280917	0.02	0.2	0.163	<0.02	0.08	213	<0.05	6.82	61.7	3.1
5280918	<0.01	0.2	0.165	<0.02	0.10	227	<0.05	7.44	61.8	1.7
5280919	0.02	0.2	0.166	<0.02	0.10	240	<0.05	6.24	51.2	3.2
5280920	0.02	0.2	0.180	<0.02	0.09	234	<0.05	6.64	56.5	3.8
5280921	<0.01	0.4	0.158	<0.02	0.13	241	<0.05	7.11	41.7	2.9
5280922	0.03	0.2	0.143	<0.02	0.09	233	<0.05	6.94	30.5	1.6
5280923	0.02	0.2	0.149	<0.02	0.09	225	<0.05	6.13	36.6	4.1
5280924	<0.01	0.1	0.209	<0.02	0.07	243	<0.05	8.89	49.4	2.3
5280925	0.03	0.1	0.177	<0.02	0.08	250	<0.05	6.96	38.5	3.3
5280926	0.02	0.1	0.161	<0.02	0.07	261	<0.05	8.43	23.0	2.6
5280927	0.04	0.2	0.149	<0.02	0.07	219	<0.05	8.54	22.4	1.2

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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CLIENT NAME: HAPPY CREEK MINERALS LTD.
460-789 WEST PENDER STREET
VANCOUVER, BC V6C1H2

ATTENTION TO: DAVID BLANN

PROJECT NO:

AGAT WORK ORDER: 10V424510

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, General Manager

DATE REPORTED: Aug 05, 2010

PAGES (INCLUDING COVER): 38

Should you require any information regarding this analysis please contact your client services representative at (905) 501 9998, or at 1-800-856-6261

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 10V424510

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5280933	5.30	0.22	2.63	0.2	0.02	<5	126	0.13	0.01	1.92	0.04	5.56	19.3	92.4
5280934	6.74	0.08	2.13	0.3	<0.01	<5	55	0.12	<0.01	1.95	0.04	9.27	20.2	46.2
5280935	5.88	0.04	1.33	1.8	<0.01	<5	22	0.09	<0.01	1.21	0.03	12.1	17.4	53.8
5280936	6.69	0.08	1.61	1.1	<0.01	<5	51	0.09	<0.01	1.49	0.04	13.3	16.5	45.5
5280937	7.83	0.14	1.61	0.8	<0.01	<5	48	0.11	<0.01	1.67	0.05	15.7	17.7	53.1
5280938	3.97	0.18	1.93	1.3	<0.01	<5	62	0.12	<0.01	1.81	0.07	14.5	18.1	54.8
5280939	6.32	0.23	1.53	0.6	<0.01	<5	41	0.09	<0.01	1.47	0.08	15.5	21.0	86.3
5280940	0.03	1.78	1.25	46.6	0.18	<5	374	0.35	0.30	3.85	2.10	19.7	18.0	21.9
5280941	6.34	0.07	1.70	1.5	<0.01	<5	44	0.14	<0.01	1.59	0.04	12.6	18.1	40.3
5280942	6.04	0.07	1.32	0.5	<0.01	<5	40	0.11	<0.01	1.27	0.03	12.1	15.3	56.7
5280943	6.29	0.08	1.31	0.7	<0.01	<5	33	0.09	<0.01	1.35	0.04	12.2	14.8	51.7
5280944	4.99	0.17	2.27	0.8	<0.01	<5	58	0.16	0.01	2.66	0.05	14.8	19.6	49.0
5280945	6.32	0.08	1.74	0.4	<0.01	<5	42	0.10	<0.01	1.74	0.04	13.6	17.4	49.2
5280946	6.23	0.07	1.58	1.0	<0.01	<5	50	0.12	<0.01	1.66	0.04	15.5	18.1	51.5
5280947	5.92	0.10	1.86	0.7	<0.01	<5	49	0.12	<0.01	1.94	0.04	13.0	18.6	47.2
5280962	6.95	0.05	1.50	0.3	<0.01	<5	48	0.12	<0.01	1.49	0.03	13.0	15.5	43.3
5280963	6.57	0.05	1.35	0.8	<0.01	<5	50	0.12	<0.01	1.37	0.03	13.5	16.5	61.7
5280964	6.13	0.08	1.82	0.6	<0.01	<5	62	0.15	<0.01	1.81	0.03	15.7	19.8	47.2
5280965	6.15	0.07	1.97	0.5	<0.01	<5	53	0.18	<0.01	1.90	0.04	15.0	21.0	28.7
5280966	6.17	0.06	2.09	0.5	<0.01	<5	65	0.17	<0.01	1.97	0.05	15.4	19.2	37.4
5280967	6.28	0.09	1.49	0.4	<0.01	<5	57	0.12	<0.01	1.39	0.03	16.2	15.4	37.2
5280968	6.74	0.16	1.46	0.4	<0.01	<5	51	0.13	<0.01	1.41	0.05	16.3	18.0	46.0
5280969	6.09	0.04	1.51	0.5	<0.01	<5	41	0.12	<0.01	1.24	0.03	13.0	15.2	51.2
5280970	0.03	1.80	1.22	45.9	0.24	<5	254	0.40	0.30	3.80	2.11	18.1	17.7	22.3
5280971	6.46	0.13	1.70	0.6	<0.01	<5	57	0.12	<0.01	1.47	0.05	11.5	15.6	55.2
5280972	6.79	0.07	1.74	0.4	<0.01	<5	52	0.14	<0.01	1.37	0.04	8.69	16.9	62.8
5280973	4.48	0.11	2.30	0.4	<0.01	<5	55	0.17	<0.01	1.74	0.04	5.81	22.0	71.5
5280974	7.14	0.09	2.03	0.5	<0.01	<5	46	0.13	<0.01	1.60	0.03	9.29	18.6	58.6
5280975	7.21	0.10	2.11	0.6	<0.01	<5	42	0.20	0.02	1.58	0.04	7.40	23.0	69.6
5280976	6.46	0.10	1.59	0.4	<0.01	<5	75	0.22	0.04	1.55	0.04	11.0	14.7	51.7
5280977	6.10	0.06	1.65	0.5	<0.01	<5	35	0.15	<0.01	1.37	0.02	2.61	15.9	64.9
5280978	6.55	0.09	1.57	1.4	<0.01	<5	47	0.13	<0.01	1.30	0.04	7.32	17.2	86.6

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5280979	3.40	0.11	1.38	0.5	<0.01	<5	43	0.14	<0.01	1.31	0.04	11.5	15.2	41.8
5280980	3.58	0.10	1.50	0.4	<0.01	<5	49	0.15	<0.01	1.42	0.03	11.8	15.5	48.4
5280981	6.82	0.10	1.66	0.4	<0.01	<5	40	0.15	<0.01	1.35	0.03	4.47	15.1	61.6
5280982	6.60	0.07	2.31	0.3	<0.01	<5	46	0.17	<0.01	1.58	0.03	3.48	18.6	148
5280983	6.08	0.05	2.00	0.3	<0.01	<5	38	0.18	<0.01	1.67	0.03	3.58	21.6	62.0
5280984	5.43	0.09	2.29	0.6	<0.01	<5	29	0.18	<0.01	2.20	0.08	4.37	20.8	68.9
5280985	6.82	0.10	1.65	0.7	<0.01	<5	36	0.17	<0.01	1.44	0.04	9.91	18.1	40.9
5280986	6.34	0.06	1.74	0.7	<0.01	<5	36	0.17	<0.01	1.74	0.04	12.2	19.1	49.7
5280987	6.36	0.17	1.90	0.8	<0.01	<5	69	0.24	<0.01	1.85	0.04	12.3	17.3	34.0
5280988	6.17	0.12	1.78	0.7	<0.01	<5	42	0.22	0.02	1.66	0.05	11.8	18.5	37.2
5280989	6.13	0.05	1.80	0.7	<0.01	<5	48	0.24	<0.01	1.80	0.03	13.8	19.1	42.0
5280990	0.28	<0.01	0.09	<0.1	<0.01	<5	21	<0.05	0.01	16.0	0.05	1.70	1.1	40.7
5280991	6.37	0.11	2.45	0.8	<0.01	<5	56	0.25	0.01	2.46	0.04	16.8	23.5	45.1
5280992	5.90	0.05	2.64	0.5	<0.01	<5	23	0.21	<0.01	2.32	0.02	10.2	25.9	43.4
5280993	4.76	0.14	1.71	0.4	<0.01	<5	46	0.17	0.02	1.87	0.03	12.8	18.5	61.8
5280994	4.77	0.05	2.53	0.4	<0.01	<5	33	0.19	0.01	2.94	0.02	12.5	23.8	47.6
5280995	5.98	0.06	2.38	0.5	<0.01	<5	36	0.19	0.02	2.40	0.03	13.7	24.9	44.8
5280996	5.37	0.04	2.30	0.8	<0.01	<5	42	0.28	0.01	2.74	0.03	12.2	19.8	39.6
5280997	6.40	0.05	1.97	0.6	<0.01	<5	47	0.17	<0.01	2.22	0.02	12.5	18.5	30.7
5280998	5.99	0.02	1.30	0.5	<0.01	<5	39	0.13	<0.01	1.30	0.02	9.13	13.4	46.1
5280999	5.29	0.10	2.13	0.5	<0.01	<5	56	0.19	0.01	2.25	0.03	14.6	21.5	35.8
5281000	0.06	1.77	1.28	46.3	0.22	<5	180	0.51	0.30	3.95	2.23	16.2	17.6	22.6
5281001	6.44	0.09	1.70	0.5	<0.01	<5	71	0.17	0.01	1.66	0.03	12.0	18.0	31.9
5281002	6.00	0.09	2.02	0.7	<0.01	<5	65	0.16	0.02	2.22	0.03	11.3	19.7	45.0
5281003	5.29	0.05	2.85	0.6	<0.01	<5	29	0.24	0.01	2.85	0.02	13.0	25.9	45.4
5281004	5.88	0.03	1.61	0.4	<0.01	<5	65	0.20	<0.01	1.76	0.03	13.9	16.6	46.0
5281005	6.31	0.07	2.99	0.5	<0.01	<5	139	0.39	0.01	4.27	0.06	20.2	21.8	50.3
5281006	5.41	0.02	1.83	0.2	<0.01	<5	87	0.23	<0.01	1.78	0.04	14.9	18.2	41.9
5281007	5.02	0.03	1.93	0.3	<0.01	<5	85	0.24	<0.01	1.62	0.03	14.2	17.9	33.3
5281008	7.01	0.22	2.02	0.4	<0.01	<5	231	0.25	0.06	1.72	0.07	15.7	19.1	45.1
5281009	2.85	0.11	2.12	0.3	<0.01	<5	122	0.31	0.02	1.84	0.04	15.3	18.6	48.8
5281010	3.01	0.13	2.07	0.6	<0.01	<5	111	0.30	0.02	1.84	0.05	15.5	18.5	36.9

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AGAT WORK ORDER: 10V424510

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5281011	5.98	0.05	2.20	0.4	<0.01	<5	99	0.31	<0.01	2.31	0.04	11.5	18.9	35.3
5281012	6.47	0.08	2.12	0.8	<0.01	<5	98	0.36	<0.01	2.22	0.04	8.32	18.4	35.9
5281013	5.53	0.07	1.80	0.7	<0.01	<5	120	0.29	<0.01	1.77	0.04	9.82	16.1	41.9
5281021	5.43	0.13	2.46	1.0	<0.01	<5	164	0.25	0.04	2.09	0.07	13.9	21.8	31.3
5281022	6.12	0.14	3.26	0.8	<0.01	<5	33	0.24	0.04	3.20	0.08	13.2	26.5	51.9
5281023	5.65	0.08	2.70	0.9	<0.01	<5	42	0.29	0.04	2.88	0.06	10.7	23.9	40.4
5281028	6.52	0.12	2.32	0.8	<0.01	<5	98	0.27	0.05	1.96	0.05	13.7	22.9	35.0
5281029	4.81	0.10	2.74	1.0	<0.01	<5	66	0.31	0.05	3.08	0.08	17.4	24.4	27.9
5281030	0.06	1.86	1.32	45.3	0.23	6	182	0.55	0.31	3.95	2.32	16.1	17.3	20.4
5281031	4.72	0.26	3.22	0.6	<0.01	<5	40	0.37	0.06	3.21	0.05	18.0	32.8	36.8
5281032	4.80	0.18	3.75	0.9	<0.01	<5	37	0.47	0.02	4.50	0.06	17.6	32.8	60.7
5281033	4.99	0.08	2.94	0.4	<0.01	<5	10	0.29	0.02	2.76	0.02	11.7	27.2	44.3
5281034	6.15	0.05	3.61	0.2	<0.01	<5	19	0.31	0.01	2.89	0.02	15.4	27.0	32.2
5281035	5.04	0.20	4.19	0.3	<0.01	<5	24	0.41	0.04	4.64	0.12	15.6	26.4	29.4
5281036	5.58	0.03	3.87	0.9	<0.01	<5	16	0.59	0.02	4.05	0.05	13.8	20.1	26.6
5281037	4.91	0.04	4.00	0.5	<0.01	<5	34	0.40	0.01	3.38	0.04	17.1	29.0	21.2
5281038	5.38	0.05	3.38	0.4	<0.01	<5	67	0.55	<0.01	5.71	0.07	16.4	23.5	21.8
5281039	1.92	0.02	3.32	0.4	<0.01	<5	29	0.48	0.01	3.62	0.03	15.0	25.8	120
5281040	2.51	0.02	3.22	0.3	<0.01	<5	35	0.47	0.01	3.48	0.02	15.6	25.9	23.1
5281041	5.25	0.06	2.68	0.6	<0.01	<5	54	0.46	0.01	3.04	0.04	13.5	23.4	31.4
5281042	6.18	0.07	3.00	0.8	<0.01	<5	27	0.57	<0.01	2.95	0.04	15.4	24.6	20.8
5281043	5.23	0.10	1.61	0.5	<0.01	<5	110	0.27	<0.01	2.09	0.05	12.0	15.9	40.5
5281044	5.72	0.08	1.50	0.5	<0.01	<5	78	0.23	<0.01	1.36	0.04	11.1	14.2	42.6
5281045	5.60	0.07	1.29	0.5	<0.01	<5	66	0.18	<0.01	1.29	0.03	9.78	12.7	48.3
5281046	5.80	0.09	1.31	0.4	<0.01	<5	99	0.19	<0.01	1.11	0.04	10.8	12.3	47.8
5281047	6.84	0.07	1.06	0.2	<0.01	<5	47	0.17	<0.01	1.14	0.04	9.71	11.4	40.3
5281048	6.23	0.09	1.26	0.5	<0.01	<5	43	0.19	<0.01	1.29	0.04	10.2	11.9	48.9
5281049	6.62	0.06	1.59	0.5	<0.01	<5	66	0.27	<0.01	1.61	0.04	10.9	13.1	45.4
5281050	0.27	<0.01	0.23	<0.1	<0.01	<5	19	0.13	0.02	15.6	0.07	1.66	1.6	13.6
5281051	6.46	0.06	1.48	0.3	<0.01	<5	71	0.23	<0.01	1.80	0.03	11.1	11.6	44.8
5281052	7.47	0.10	1.54	0.4	<0.01	<5	58	0.23	<0.01	1.79	0.05	11.7	13.6	36.9
5281053	8.68	0.15	5.17	0.3	<0.01	<5	51	0.36	0.02	4.02	0.06	11.5	20.4	38.9

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Certificate of Analysis

AGAT WORK ORDER: 10V424510

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5281054	5.81	0.13	6.91	0.4	<0.01	<5	45	0.34	0.02	6.37	0.06	11.2	18.8	27.4
5281055	4.13	0.17	4.73	0.8	<0.01	<5	37	0.33	0.03	4.08	0.07	12.2	25.1	53.8
5281056	6.75	0.19	6.06	0.4	<0.01	<5	44	0.28	0.01	5.30	0.05	11.3	20.8	31.1
5281057	3.25	0.07	4.68	1.7	<0.01	5	53	0.57	0.03	4.50	0.08	15.1	29.3	34.0
5281058	4.70	0.13	3.99	2.2	0.02	6	62	0.67	0.04	3.19	0.12	15.3	29.1	39.5
5281059	4.11	0.06	3.70	1.4	<0.01	<5	99	0.64	<0.01	3.17	0.05	12.0	22.1	38.1
5281060	0.06	1.89	1.28	46.3	0.27	9	229	0.88	0.34	3.77	2.31	14.3	16.6	21.1
5279061	5.58	0.09	2.27	0.6	<0.01	<5	80	0.40	<0.01	2.21	0.06	10.0	17.4	46.0
5279062	4.86	0.07	2.09	0.4	<0.01	<5	62	0.33	<0.01	2.09	0.04	10.5	17.5	52.6
5279063	5.71	0.09	1.73	0.5	<0.01	<5	66	0.32	<0.01	1.65	0.05	9.48	14.6	47.9
5279064	5.42	0.08	3.12	0.8	<0.01	<5	55	0.46	0.01	3.33	0.07	9.69	15.2	34.9
5279065	6.00	0.05	2.77	0.9	<0.01	<5	79	0.49	0.01	3.07	0.05	11.3	20.8	43.4
5279066	4.82	0.05	3.80	1.2	<0.01	<5	53	0.56	<0.01	4.17	0.04	9.63	17.0	51.3
5279067	4.75	0.09	2.59	0.7	<0.01	<5	85	0.58	<0.01	2.69	0.06	10.8	16.8	61.7
5279068	5.53	0.08	2.74	1.2	<0.01	9	58	0.71	0.03	3.05	0.04	9.60	15.7	43.2
5279069	2.61	0.07	2.10	0.3	<0.01	<5	60	0.36	<0.01	2.37	0.04	9.54	14.8	44.8
5279070	2.69	0.09	2.31	0.4	<0.01	<5	62	0.36	<0.01	2.40	0.04	10.8	16.3	41.6
5279071	4.60	0.07	3.59	0.4	<0.01	<5	63	0.57	<0.01	4.12	0.05	9.19	17.9	37.2
5279072	5.79	0.08	1.75	0.4	<0.01	<5	104	0.32	<0.01	1.90	0.06	10.3	14.9	40.9
5279073	6.40	0.06	2.39	0.5	<0.01	<5	55	0.41	<0.01	2.00	0.04	8.32	13.9	42.3
5279074	5.98	0.06	1.81	0.4	<0.01	<5	35	0.36	<0.01	1.73	0.04	8.83	14.6	42.5
5279075	6.14	0.07	2.38	0.7	<0.01	<5	43	0.50	<0.01	2.16	0.04	8.59	14.7	45.9
5279076	6.04	0.07	3.26	0.8	<0.01	<5	48	0.60	<0.01	2.85	0.05	9.06	14.1	35.4
5279077	6.15	0.13	2.51	0.4	<0.01	<5	78	0.43	<0.01	2.23	0.05	11.7	14.8	32.8
5279078	5.70	0.09	1.71	0.3	<0.01	<5	38	0.32	<0.01	1.63	0.04	9.18	12.5	46.9
5279079	5.88	0.09	1.95	0.2	<0.01	<5	51	0.40	<0.01	1.82	0.05	9.16	15.4	43.1
5279080	0.32	<0.01	0.23	<0.1	<0.01	<5	12	0.09	0.01	18.2	0.07	1.24	1.4	9.1
5279081	2.74	0.13	2.58	0.5	<0.01	<5	64	0.52	0.02	2.40	0.04	9.89	15.5	55.1
5279088	6.60	0.22	2.82	<0.1	<0.01	<5	51	0.49	0.02	2.56	0.07	18.8	21.7	43.0
5279089	5.77	0.08	2.03	0.5	<0.01	<5	39	0.39	<0.01	3.98	0.04	11.2	17.0	23.6
5279090	0.06	2.00	1.29	47.0	0.61	11	189	1.18	0.30	4.07	2.44	13.6	17.4	20.8
5279091	5.73	0.10	2.48	0.4	<0.01	<5	43	0.56	<0.01	2.97	0.06	12.3	20.6	45.2

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5279092	5.34	0.05	3.40	0.3	<0.01	<5	42	0.60	<0.01	4.72	0.06	11.3	18.2	27.0
5279093	6.25	0.09	4.10	0.7	<0.01	<5	66	0.61	<0.01	3.46	0.05	9.31	21.8	50.9
5279094	5.87	0.09	4.41	0.9	<0.01	6	85	0.90	<0.01	3.32	0.05	9.69	17.0	42.5
5279095	5.14	0.07	4.42	1.1	<0.01	6	50	0.73	<0.01	4.00	0.06	9.62	16.7	28.5
5279096	5.68	0.10	4.09	0.7	<0.01	6	65	0.75	<0.01	3.69	0.06	9.43	15.0	37.9
5279097	5.16	0.09	2.93	1.0	<0.01	<5	92	0.68	<0.01	3.45	0.06	11.4	17.2	38.1
5279098	4.32	0.13	3.14	0.3	<0.01	<5	51	0.63	<0.01	2.87	0.05	11.0	17.9	44.2
5279099	2.40	0.09	2.64	0.5	<0.01	<5	55	0.47	<0.01	2.30	0.05	8.91	14.4	43.3
5279100	2.29	0.12	2.15	0.4	<0.01	<5	46	0.50	<0.01	1.79	0.06	9.13	15.7	46.0
5279101	5.63	0.08	1.47	0.4	<0.01	<5	42	0.35	<0.01	1.44	0.03	8.72	13.1	36.0
5279102	5.91	0.09	1.65	0.7	<0.01	<5	41	0.42	<0.01	1.73	0.04	10.3	17.1	41.6
5279103	5.90	0.12	1.83	0.8	<0.01	5	29	0.49	<0.01	2.07	0.09	9.30	18.2	48.2
5279104	4.99	0.41	2.18	1.9	<0.01	<5	33	0.57	0.02	3.29	0.06	10.8	20.6	42.6
5279105	6.48	0.16	1.50	1.6	<0.01	<5	32	0.46	<0.01	2.46	0.06	9.44	17.1	41.9
5279106	5.27	0.22	2.82	2.1	<0.01	8	32	1.00	0.03	4.39	0.07	9.98	23.7	54.4
5279107	5.24	0.07	1.44	7.1	<0.01	7	44	0.89	0.02	5.00	0.07	9.90	21.7	27.2
5279108	5.81	0.18	1.73	1.4	<0.01	7	37	0.74	0.03	2.39	0.07	8.69	19.6	39.2
5279109	4.91	0.15	1.81	0.6	<0.01	<5	65	0.51	<0.01	1.72	0.06	9.07	18.8	56.0
5279910	0.29	<0.01	0.21	<0.1	<0.01	<5	11	0.12	0.02	17.4	0.07	1.06	1.8	12.7
5279911	5.68	0.05	2.56	0.5	<0.01	<5	74	0.59	<0.01	2.26	0.04	10.2	19.0	40.8
5279912	5.09	0.08	1.85	0.6	<0.01	<5	41	0.47	<0.01	1.58	0.04	6.98	16.0	35.5
5279913	5.84	0.07	2.29	0.7	<0.01	<5	31	0.52	<0.01	2.07	0.04	8.81	19.6	28.2
5279914	5.83	0.06	3.28	1.1	<0.01	6	31	0.90	<0.01	3.14	0.05	11.2	22.6	53.5
5279915	5.60	0.09	1.69	0.5	<0.01	<5	27	0.36	<0.01	1.43	0.03	6.48	14.3	30.7
5279916	6.31	0.09	2.02	0.6	<0.01	<5	37	0.52	<0.01	1.63	0.03	7.60	17.1	30.8
5279917	6.41	0.20	1.90	0.5	<0.01	<5	32	0.57	0.02	1.69	0.05	7.99	17.7	38.9
5279918	4.59	0.17	2.87	1.0	<0.01	6	27	1.01	0.06	2.42	0.05	7.36	28.7	26.7
5279919	7.20	0.13	2.84	1.3	<0.01	6	29	1.15	0.03	2.64	0.11	7.75	27.0	34.0
5279920	2.19	0.09	3.16	1.3	<0.01	6	33	0.88	<0.01	2.79	0.04	6.72	19.2	40.5
5279921	1.75	0.15	2.76	1.1	<0.01	5	35	0.85	0.03	2.66	0.07	9.80	29.1	45.1
5279922	5.21	0.06	3.04	1.1	<0.01	6	29	0.95	0.02	2.99	0.04	8.28	24.7	50.6
5279923	5.34	0.05	3.02	0.6	<0.01	6	27	0.88	0.01	2.80	0.03	8.77	30.4	37.4

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5279924	6.55	0.06	3.02	1.1	<0.01	6	40	0.88	<0.01	2.60	0.04	8.37	24.6	32.4
5279925	5.43	0.08	2.98	0.8	<0.01	6	29	0.85	0.01	2.89	0.05	8.94	28.2	37.5
5279926	6.63	0.08	2.87	0.5	<0.01	<5	39	0.80	0.02	2.59	0.04	9.08	20.1	47.4
5279927	5.62	0.07	2.98	1.0	<0.01	6	40	0.92	0.01	2.74	0.05	9.89	22.5	31.9
5279928	6.08	0.08	2.82	0.5	<0.01	<5	61	0.66	<0.01	2.36	0.04	8.30	20.0	43.1
5279929	5.81	0.14	2.98	0.7	<0.01	<5	48	0.70	<0.01	2.27	0.06	7.61	19.9	33.1
5279930	6.18	0.11	3.51	0.3	<0.01	<5	41	0.77	<0.01	2.88	0.05	6.92	22.9	37.2
5279931	6.88	0.05	2.69	0.7	<0.01	<5	28	0.63	<0.01	2.39	0.03	6.08	22.8	60.1
5279932	6.32	0.08	3.41	0.5	<0.01	<5	36	0.69	<0.01	2.70	0.04	5.97	29.2	66.5
5279933	9.03	0.06	3.77	0.8	<0.01	5	59	0.76	<0.01	3.00	0.05	6.86	25.5	43.8

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5280933	0.18	884	3.34	8.32	0.06	0.15	<0.01	0.012	0.04	2.4	5.6	1.62	402	0.47
5280934	0.22	244	3.61	8.56	0.06	0.15	<0.01	0.013	0.03	3.7	5.4	1.31	430	0.30
5280935	0.12	122	3.74	6.36	0.09	0.10	<0.01	0.010	0.02	5.0	3.3	0.95	398	0.28
5280936	0.23	233	3.78	6.93	0.07	0.17	<0.01	0.010	0.06	5.6	3.2	0.90	353	0.38
5280937	0.06	407	4.46	7.77	0.08	0.15	<0.01	0.010	0.03	6.4	2.8	0.97	465	0.35
5280938	0.12	656	4.13	8.14	0.08	0.19	<0.01	0.013	0.03	5.9	2.9	1.05	458	0.34
5280939	0.06	844	4.64	7.92	0.10	0.20	<0.01	0.013	0.03	6.3	3.0	1.14	474	0.33
5280940	1.26	3320	3.98	5.77	<0.05	0.09	0.21	0.066	0.19	10.2	10.7	1.27	593	486
5280941	0.07	179	3.81	7.59	0.08	0.13	<0.01	0.008	0.03	5.3	4.1	1.13	452	1.25
5280942	<0.05	161	3.63	6.60	0.07	0.14	<0.01	0.007	0.03	4.9	2.7	0.85	389	0.80
5280943	0.05	201	4.12	6.23	0.08	0.12	<0.01	0.007	0.02	5.1	2.4	0.87	409	0.48
5280944	0.14	510	4.26	8.99	0.06	0.19	<0.01	0.016	0.04	5.9	5.0	1.31	599	0.55
5280945	0.07	258	4.21	7.69	0.08	0.16	<0.01	0.013	0.03	5.4	3.1	1.03	450	0.62
5280946	0.07	217	4.33	7.53	0.09	0.26	<0.01	0.015	0.03	6.1	2.9	1.00	475	0.46
5280947	0.09	333	4.19	8.11	0.08	0.20	<0.01	0.014	0.03	5.1	4.0	1.17	438	0.78
5280962	0.06	174	4.19	6.68	0.09	0.12	<0.01	0.010	0.04	5.4	3.1	0.98	385	0.35
5280963	0.07	161	3.88	6.82	0.09	0.12	<0.01	0.010	0.03	5.7	3.4	0.90	462	0.35
5280964	0.08	224	4.46	8.25	0.09	0.20	<0.01	0.015	0.05	6.6	4.7	1.25	477	0.37
5280965	0.14	176	4.63	8.89	0.08	0.18	<0.01	0.012	0.05	6.3	6.6	1.48	486	0.32
5280966	0.17	132	4.66	8.13	0.08	0.19	<0.01	0.011	0.05	6.4	5.5	1.42	467	0.40
5280967	0.14	134	4.40	6.82	0.10	0.14	<0.01	0.011	0.04	6.8	2.9	0.91	327	0.49
5280968	0.10	534	4.20	7.19	0.09	0.14	<0.01	0.013	0.03	6.8	3.6	1.01	424	0.45
5280969	0.08	101	4.19	6.23	0.09	0.09	<0.01	0.009	0.02	5.4	3.2	1.06	355	0.38
5280970	1.15	3370	3.91	5.80	<0.05	0.09	0.21	0.066	0.19	9.3	12.5	1.23	604	473
5280971	0.10	357	3.92	6.54	0.08	0.12	<0.01	0.010	0.04	4.7	3.4	0.99	307	1.55
5280972	0.09	219	3.97	6.87	0.09	0.11	<0.01	0.011	0.03	3.7	3.7	1.22	440	0.43
5280973	0.11	281	4.31	8.10	0.08	0.11	<0.01	0.013	0.03	2.6	5.7	1.69	535	0.36
5280974	0.09	230	4.01	7.26	0.08	0.08	<0.01	0.010	0.03	3.9	4.9	1.33	390	0.38
5280975	0.13	250	4.19	8.35	0.07	0.08	<0.01	0.008	0.03	3.2	7.7	1.72	472	2.60
5280976	0.15	263	3.48	6.52	0.07	0.13	0.01	0.012	0.05	4.6	4.2	1.04	374	0.94
5280977	0.06	141	3.23	6.21	0.06	0.09	<0.01	0.005	0.02	1.2	5.8	1.20	381	0.32
5280978	0.06	259	4.40	7.25	0.08	0.10	<0.01	0.011	0.03	3.1	3.1	0.96	374	0.36

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Certificate of Analysis

AGAT WORK ORDER: 10V424510

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5280979	0.07	288	3.86	6.66	0.09	0.09	<0.01	0.008	0.03	4.7	3.3	0.83	287	0.38
5280980	0.07	264	3.84	6.82	0.08	0.10	<0.01	0.010	0.03	4.9	3.2	0.90	328	0.46
5280981	0.06	291	3.71	6.33	0.08	0.07	<0.01	0.008	0.02	2.0	3.1	0.94	302	0.32
5280982	0.09	196	3.74	7.16	0.07	0.06	<0.01	0.009	0.03	1.6	4.6	1.36	376	0.38
5280983	0.08	96.7	3.96	8.08	0.08	0.12	<0.01	0.009	0.03	1.6	7.4	1.62	438	0.41
5280984	0.06	208	3.62	8.13	0.08	0.15	<0.01	0.017	0.03	1.9	7.7	1.73	458	1.03
5280985	0.07	318	3.61	7.35	0.08	0.13	<0.01	0.008	0.03	4.2	6.2	1.21	462	0.54
5280986	0.11	154	3.52	8.18	0.10	0.18	<0.01	0.012	0.03	5.1	7.7	1.30	483	0.55
5280987	0.14	258	4.13	8.11	0.07	0.13	<0.01	0.010	0.04	5.2	6.6	1.30	434	0.34
5280988	0.10	326	4.24	8.05	0.09	0.12	<0.01	0.010	0.03	4.8	7.9	1.35	477	0.67
5280989	0.10	147	4.08	8.42	0.09	0.14	<0.01	0.015	0.03	5.6	8.6	1.37	627	0.41
5280990	0.12	2.6	0.48	0.30	<0.05	<0.02	<0.01	<0.005	0.02	0.8	1.3	7.84	207	0.37
5280991	0.09	317	4.71	10.1	0.10	0.18	0.01	0.017	0.04	6.8	12.2	2.16	660	0.65
5280992	0.07	101	4.18	9.75	0.10	0.13	<0.01	0.015	0.02	4.1	17.2	2.29	669	0.76
5280993	0.09	377	4.36	7.64	0.08	0.15	<0.01	0.016	0.04	5.1	7.2	1.40	480	1.46
5280994	0.10	131	4.54	9.45	0.08	0.16	<0.01	0.021	0.03	4.9	15.0	2.55	630	0.46
5280995	0.08	144	3.98	10.1	0.08	0.21	<0.01	0.019	0.04	5.4	14.7	2.10	676	0.93
5280996	0.22	88.0	4.00	8.60	0.09	0.11	<0.01	0.018	0.04	5.0	11.8	1.72	574	3.32
5280997	0.10	103	4.22	8.21	0.09	0.15	<0.01	0.013	0.05	5.1	8.2	1.59	545	0.70
5280998	0.07	59.0	2.97	6.35	0.08	0.11	<0.01	0.007	0.03	3.9	5.8	1.07	418	0.58
5280999	0.10	274	4.66	8.57	0.10	0.14	<0.01	0.016	0.03	5.8	11.7	1.90	584	0.49
5281000	0.99	3320	4.01	5.87	<0.05	0.10	0.21	0.071	0.19	8.3	16.2	1.28	594	461
5281001	0.11	158	3.97	7.54	0.08	0.12	<0.01	0.011	0.05	5.2	8.6	1.41	530	1.88
5281002	0.10	181	3.99	8.66	0.08	0.13	<0.01	0.013	0.04	4.6	8.1	1.62	574	5.37
5281003	0.09	122	4.18	10.1	0.13	0.18	<0.01	0.021	0.03	5.2	18.6	2.35	733	1.35
5281004	0.60	144	4.32	6.98	0.09	0.07	<0.01	0.015	0.05	5.7	6.8	1.25	493	0.88
5281005	1.23	248	4.34	11.0	0.05	0.09	<0.01	0.038	0.07	8.2	14.3	1.54	734	0.63
5281006	0.15	56.8	4.46	7.51	0.09	0.09	<0.01	0.019	0.06	5.9	7.2	1.38	426	0.62
5281007	0.16	64.2	4.59	7.71	0.09	0.07	<0.01	0.015	0.07	5.6	7.3	1.29	372	0.55
5281008	0.22	664	4.45	8.16	0.09	0.08	<0.01	0.020	0.08	6.4	8.0	1.23	344	0.74
5281009	0.17	409	4.32	8.71	0.09	0.07	<0.01	0.015	0.09	6.1	9.4	1.29	458	1.27
5281010	0.20	560	4.57	8.35	0.09	0.07	<0.01	0.016	0.08	6.1	9.3	1.30	418	0.82

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Certificate of Analysis

AGAT WORK ORDER: 10V424510

PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5281011	0.13	171	3.64	8.74	0.07	0.10	<0.01	0.016	0.09	4.6	12.3	1.44	535	1.51
5281012	0.08	336	3.04	7.98	0.07	0.12	0.01	0.011	0.07	3.6	9.1	1.16	413	0.52
5281013	0.12	219	3.46	7.59	0.06	0.11	0.01	0.015	0.10	4.1	10.0	1.16	451	0.56
5281021	0.16	503	4.42	9.78	0.08	0.05	<0.01	0.010	0.07	5.6	12.3	1.68	577	0.58
5281022	0.11	510	3.79	11.6	0.09	0.06	<0.01	0.021	0.04	5.3	25.0	2.17	711	3.10
5281023	0.10	436	4.06	10.2	0.09	0.10	<0.01	0.018	0.04	4.1	16.0	2.00	706	2.75
5281028	0.14	423	4.67	8.75	0.09	0.10	<0.01	0.014	0.04	5.4	14.3	1.70	615	0.62
5281029	0.12	715	4.45	10.6	0.08	0.09	<0.01	0.015	0.05	6.8	18.1	2.06	704	0.75
5281030	1.00	3080	4.14	5.97	<0.05	0.09	0.22	0.073	0.21	8.2	17.9	1.29	555	480
5281031	0.17	552	5.27	13.6	0.09	0.09	<0.01	0.028	0.04	7.0	26.3	2.95	939	2.45
5281032	0.19	299	4.81	15.0	0.06	0.12	<0.01	0.047	0.05	7.0	36.1	2.99	1160	0.80
5281033	0.14	189	3.16	10.3	0.10	0.09	<0.01	0.020	0.01	4.7	23.4	2.34	771	0.61
5281034	0.25	78.1	4.47	11.9	0.09	0.06	<0.01	0.027	0.03	6.2	25.9	3.20	748	0.27
5281035	0.46	289	4.49	14.5	<0.05	0.02	0.05	0.047	0.05	6.2	67.5	2.61	855	15.6
5281036	0.56	38.7	3.90	12.8	0.07	0.04	<0.01	0.035	0.04	5.8	47.5	2.05	593	1.15
5281037	0.29	61.2	4.91	13.8	0.06	0.03	<0.01	0.039	0.07	7.1	35.4	3.13	838	0.19
5281038	0.50	32.6	4.10	12.9	<0.05	<0.02	0.02	0.037	0.12	6.6	58.1	1.98	802	1.11
5281039	0.42	31.8	4.34	12.5	0.07	0.04	<0.01	0.031	0.05	6.3	27.5	2.55	848	1.12
5281040	0.44	35.3	4.31	12.3	0.06	0.05	<0.01	0.030	0.05	6.4	27.2	2.53	876	0.24
5281041	0.27	138	4.18	11.0	0.07	0.12	<0.01	0.029	0.07	5.3	20.3	2.17	823	0.27
5281042	0.30	127	3.98	11.8	0.06	0.07	0.01	0.025	0.04	6.1	27.4	2.31	823	1.38
5281043	0.19	207	3.69	6.89	0.06	0.09	<0.01	0.023	0.05	4.7	11.2	1.15	440	0.39
5281044	0.08	228	3.74	6.81	0.08	0.09	<0.01	0.017	0.03	4.4	9.2	1.07	389	0.38
5281045	0.06	194	3.84	5.95	0.09	0.08	<0.01	0.012	0.03	3.8	6.2	0.89	300	0.53
5281046	0.07	240	3.41	5.94	0.08	0.07	<0.01	0.014	0.03	4.2	6.8	0.82	291	0.70
5281047	<0.05	190	3.26	5.51	0.08	0.10	<0.01	0.012	0.03	3.9	5.5	0.65	257	0.27
5281048	0.07	171	3.49	5.96	0.07	0.09	<0.01	0.013	0.03	4.0	7.9	0.73	267	0.36
5281049	0.11	151	3.82	7.07	0.08	0.14	<0.01	0.014	0.04	4.4	8.8	0.94	353	0.48
5281050	0.23	9.4	0.53	0.79	<0.05	<0.02	<0.01	<0.005	0.02	0.7	2.0	7.53	239	0.12
5281051	0.11	161	3.46	6.74	0.07	0.09	<0.01	0.011	0.03	4.4	6.6	0.88	273	0.37
5281052	0.11	234	3.92	7.02	0.07	0.09	<0.01	0.011	0.03	4.6	12.0	1.03	395	0.40
5281053	0.21	591	4.48	15.8	0.05	0.21	<0.01	0.028	0.07	4.2	15.0	1.42	479	0.25

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5281054	0.31	402	5.46	14.7	<0.05	0.21	<0.01	0.028	0.08	4.1	16.4	2.37	426	0.16
5281055	0.26	748	6.11	14.7	0.08	0.31	<0.01	0.034	0.09	4.4	20.0	2.06	557	0.28
5281056	0.32	531	5.14	16.6	<0.05	0.17	<0.01	0.025	0.06	4.2	14.2	1.40	435	0.24
5281057	0.39	157	4.81	14.3	0.06	0.44	<0.01	0.042	0.08	5.9	52.7	2.60	702	0.39
5281058	0.30	263	4.76	13.8	0.11	0.47	<0.01	0.044	0.06	6.0	60.9	3.02	749	0.59
5281059	0.33	185	4.54	11.9	0.08	0.23	0.01	0.032	0.06	4.9	38.2	2.49	708	0.38
5281060	0.93	3140	3.94	6.23	<0.05	0.10	0.24	0.080	0.21	7.1	26.8	1.24	564	471
5279061	0.30	258	4.13	9.06	0.08	0.12	<0.01	0.017	0.05	4.1	18.6	1.47	529	1.61
5279062	0.13	225	4.19	8.34	0.07	0.09	<0.01	0.020	0.04	4.2	13.0	1.44	473	0.53
5279063	0.14	213	3.69	7.80	0.08	0.08	<0.01	0.015	0.04	3.8	12.8	1.01	372	1.07
5279064	0.23	274	4.19	10.5	0.08	0.16	<0.01	0.022	0.07	3.9	17.3	1.40	531	0.46
5279065	0.21	191	3.94	11.0	0.07	0.13	<0.01	0.026	0.05	4.5	30.4	1.74	567	0.90
5279066	0.26	132	3.61	12.3	0.05	0.09	0.02	0.025	0.07	3.9	26.8	1.56	528	0.43
5279067	0.25	253	3.55	10.9	0.07	0.12	<0.01	0.021	0.06	4.4	23.7	1.20	525	0.49
5279068	0.23	286	3.59	11.2	0.08	0.14	<0.01	0.017	0.06	3.9	24.0	1.19	503	0.37
5279069	0.15	236	4.03	8.59	0.06	0.09	<0.01	0.017	0.04	3.9	11.2	0.92	395	0.28
5279070	0.16	339	4.77	9.10	0.08	0.12	<0.01	0.020	0.05	4.4	10.7	1.07	417	0.30
5279071	0.60	211	3.88	12.2	0.05	0.11	<0.01	0.028	0.07	3.6	30.7	1.48	535	0.23
5279072	0.14	258	3.84	8.03	0.07	0.13	<0.01	0.017	0.04	4.1	13.7	0.96	384	0.27
5279073	0.18	188	4.09	8.98	0.08	0.09	<0.01	0.013	0.04	3.5	17.9	1.13	414	0.26
5279074	0.14	177	4.12	8.07	0.07	0.09	<0.01	0.013	0.03	3.6	15.4	1.13	379	0.32
5279075	0.27	151	3.64	10.6	0.08	0.13	<0.01	0.015	0.05	3.6	22.2	1.03	479	0.44
5279076	0.21	194	3.61	12.0	0.08	0.08	<0.01	0.014	0.04	3.9	22.2	1.06	429	0.25
5279077	0.17	430	4.00	9.26	0.08	0.16	<0.01	0.018	0.04	4.8	14.5	1.07	391	0.22
5279078	0.08	314	3.75	7.42	0.07	0.08	<0.01	0.013	0.03	3.7	11.8	0.74	272	0.37
5279079	0.13	303	3.95	9.15	0.08	0.09	<0.01	0.016	0.04	3.7	15.4	0.95	421	0.32
5279080	<0.05	11.8	0.60	0.67	<0.05	<0.02	<0.01	<0.005	0.01	0.6	2.0	8.87	217	0.12
5279081	0.16	433	4.29	9.74	0.07	0.10	<0.01	0.017	0.06	3.9	17.1	1.21	423	1.38
5279088	<0.05	657	5.01	12.4	0.10	0.20	<0.01	0.031	0.05	7.7	9.2	1.16	431	0.25
5279089	0.09	416	3.92	8.85	0.06	0.08	<0.01	0.016	0.02	4.5	11.9	1.79	404	0.14
5279090	0.81	3190	4.24	6.59	<0.05	0.10	0.21	0.083	0.20	6.7	36.1	1.31	573	453
5279091	0.10	216	4.19	11.6	0.06	0.20	<0.01	0.037	0.03	4.5	16.6	1.21	471	1.51

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5279092	0.18	175	4.36	12.2	<0.05	0.14	<0.01	0.030	0.03	4.3	20.7	1.42	539	0.69
5279093	0.12	313	6.40	14.4	0.08	0.16	<0.01	0.025	0.05	3.6	13.4	1.23	461	0.44
5279094	0.20	285	3.51	15.8	<0.05	0.16	<0.01	0.024	0.05	3.7	14.5	1.14	473	0.54
5279095	0.32	251	4.24	14.7	0.06	0.15	<0.01	0.021	0.05	3.9	19.1	1.34	468	0.31
5279096	0.25	357	3.85	12.9	0.06	0.12	<0.01	0.018	0.05	3.8	18.0	1.11	413	0.48
5279097	0.46	334	3.91	12.0	0.05	0.10	<0.01	0.024	0.04	4.6	19.4	1.22	437	0.42
5279098	0.34	522	4.22	11.8	0.08	0.12	<0.01	0.027	0.04	4.3	20.1	1.50	497	0.27
5279099	0.19	412	4.33	9.10	0.07	0.08	<0.01	0.016	0.03	3.5	14.5	1.28	446	0.31
5279100	0.17	432	4.25	9.26	0.08	0.07	<0.01	0.013	0.02	3.5	15.9	1.11	390	0.37
5279101	0.13	312	3.72	6.93	0.07	0.05	<0.01	0.013	0.01	3.5	12.2	0.96	341	0.35
5279102	0.29	255	4.02	9.22	0.09	0.09	<0.01	0.015	0.02	4.3	15.7	1.00	393	0.37
5279103	0.29	392	4.37	9.49	0.07	0.11	<0.01	0.017	0.03	3.7	15.4	1.12	469	0.53
5279104	0.37	1630	4.29	9.25	0.07	0.13	0.02	0.021	0.03	4.1	17.2	1.26	572	0.56
5279105	0.25	542	3.86	8.02	0.07	0.10	<0.01	0.017	0.02	3.7	10.2	0.84	468	0.41
5279106	0.61	737	4.76	12.6	0.08	0.14	0.01	0.030	0.05	3.8	21.7	1.50	662	0.51
5279107	0.85	199	3.75	7.30	<0.05	0.08	0.03	0.033	0.03	3.8	15.4	1.31	654	0.58
5279108	0.52	503	3.83	9.76	0.08	0.12	<0.01	0.024	0.03	3.4	20.8	1.01	494	0.66
5279109	0.24	593	4.20	8.97	0.08	0.07	<0.01	0.018	0.02	3.5	18.9	1.26	390	0.38
5279910	0.07	21.0	0.63	0.74	<0.05	<0.02	<0.01	<0.005	0.01	0.4	3.0	8.49	257	0.16
5279911	0.44	166	4.64	10.9	0.09	0.12	<0.01	0.020	0.04	3.9	27.9	1.43	475	0.33
5279912	0.26	295	3.99	8.46	0.08	0.07	<0.01	0.010	0.03	2.8	20.1	1.14	383	0.29
5279913	0.27	171	4.56	10.5	0.09	0.15	<0.01	0.017	0.04	3.3	24.3	1.32	367	0.26
5279914	0.33	148	4.96	13.7	0.08	0.18	0.03	0.027	0.05	4.4	31.6	1.77	446	0.46
5279915	0.12	326	3.92	7.61	0.08	0.05	<0.01	0.006	0.02	2.6	13.5	1.00	342	0.35
5279916	0.15	268	3.76	9.16	0.08	0.10	<0.01	0.011	0.03	2.9	16.6	1.12	353	0.32
5279917	0.12	603	3.66	9.61	0.09	0.12	<0.01	0.014	0.04	3.1	16.5	1.02	346	0.35
5279918	0.22	364	4.29	14.6	0.12	0.13	<0.01	0.025	0.07	2.8	45.2	1.93	534	1.86
5279919	0.19	330	3.73	14.6	0.10	0.22	<0.01	0.027	0.06	2.8	45.2	1.84	548	0.53
5279920	0.20	267	3.87	12.0	0.09	0.17	<0.01	0.018	0.05	2.5	31.1	1.45	417	0.32
5279921	0.16	409	4.72	14.6	0.11	0.29	0.01	0.031	0.05	3.5	38.9	1.84	516	0.70
5279922	0.14	173	4.22	14.6	0.09	0.26	<0.01	0.026	0.06	3.0	41.4	1.89	503	0.46
5279923	0.12	92.0	4.49	14.6	0.09	0.30	<0.01	0.027	0.05	3.0	49.1	2.12	562	0.45

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5279924	0.15	179	4.54	13.3	0.10	0.27	<0.01	0.023	0.06	3.1	41.0	1.63	466	0.22
5279925	0.18	221	3.99	14.1	0.08	0.23	<0.01	0.024	0.04	3.2	47.8	1.92	530	0.29
5279926	0.13	229	4.22	12.4	0.10	0.23	<0.01	0.019	0.06	3.3	25.7	1.37	409	0.34
5279927	0.23	163	4.03	12.9	0.08	0.23	0.01	0.021	0.05	3.6	42.3	1.65	423	0.32
5279928	0.11	322	4.41	12.1	0.07	0.14	0.01	0.017	0.04	3.1	17.2	1.10	396	0.25
5279929	0.09	539	4.07	12.6	0.08	0.15	<0.01	0.015	0.04	2.9	19.0	1.14	359	0.25
5279930	0.16	377	4.98	14.0	0.10	0.21	0.01	0.021	0.05	2.6	18.4	1.34	443	0.29
5279931	0.11	150	4.67	12.1	0.08	0.20	<0.01	0.021	0.04	2.1	21.0	1.38	371	0.21
5279932	0.13	267	5.20	15.0	0.09	0.21	<0.01	0.026	0.05	2.1	24.3	1.64	429	0.38
5279933	0.24	214	4.75	14.8	0.07	0.25	<0.01	0.027	0.05	2.4	44.2	1.75	452	0.29

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Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5280933	0.33	0.11	33.2	362	0.6	0.5	<0.001	0.049	<0.05	5.6	0.2	<0.2	326	0.02
5280934	0.20	0.12	19.6	1020	0.5	0.5	<0.001	0.045	<0.05	6.2	<0.2	0.2	175	0.02
5280935	0.14	0.14	17.5	962	0.4	0.3	<0.001	0.108	0.06	4.3	<0.2	<0.2	66.3	0.02
5280936	0.24	0.13	15.5	1170	0.7	1.9	<0.001	0.060	<0.05	4.5	<0.2	<0.2	173	0.01
5280937	0.20	0.13	14.9	1270	0.5	0.4	<0.001	0.044	<0.05	4.7	0.2	<0.2	132	0.01
5280938	0.30	0.13	18.3	1220	0.6	0.4	<0.001	0.043	<0.05	5.8	0.3	<0.2	232	<0.01
5280939	0.20	0.14	25.0	1330	0.5	0.4	<0.001	0.056	<0.05	5.5	0.3	<0.2	114	<0.01
5280940	0.08	0.13	20.3	972	9.1	9.8	0.066	1.89	6.90	7.8	6.0	0.8	144	0.07
5280941	0.15	0.12	14.8	1180	0.6	0.6	<0.001	0.035	<0.05	4.5	0.2	<0.2	99.5	<0.01
5280942	0.17	0.14	14.3	1110	0.5	0.5	<0.001	0.019	<0.05	4.6	<0.2	<0.2	86.0	<0.01
5280943	0.18	0.12	14.4	1140	0.5	0.4	<0.001	0.030	<0.05	4.0	<0.2	<0.2	82.4	<0.01
5280944	0.22	0.12	16.9	1190	0.7	0.7	<0.001	0.039	0.08	7.5	0.3	0.2	134	<0.01
5280945	0.25	0.13	14.6	1070	0.4	0.3	0.001	0.028	<0.05	5.7	0.2	0.2	120	<0.01
5280946	0.24	0.15	15.3	1210	0.4	0.4	0.001	0.033	<0.05	6.4	0.2	0.2	114	<0.01
5280947	0.20	0.14	16.5	1060	0.5	0.5	0.001	0.037	<0.05	6.3	0.2	0.2	136	<0.01
5280962	0.20	0.13	12.9	1030	0.4	0.6	<0.001	0.028	<0.05	4.5	<0.2	<0.2	106	<0.01
5280963	0.18	0.12	14.2	974	0.4	0.6	<0.001	0.029	<0.05	4.5	<0.2	<0.2	88.2	<0.01
5280964	0.23	0.14	16.7	1100	0.5	0.8	<0.001	0.036	<0.05	6.6	0.2	0.2	133	<0.01
5280965	0.12	0.12	16.5	1190	0.5	1.3	<0.001	0.026	<0.05	5.8	<0.2	0.2	80.3	<0.01
5280966	0.15	0.16	15.3	1150	0.6	0.9	0.001	0.025	<0.05	5.9	<0.2	0.2	105	<0.01
5280967	0.22	0.15	13.3	1170	0.6	0.5	<0.001	0.024	<0.05	5.0	<0.2	0.2	122	<0.01
5280968	0.19	0.12	14.6	1210	0.7	0.4	0.001	0.041	<0.05	4.8	0.2	0.2	111	<0.01
5280969	0.20	0.11	14.0	980	0.7	0.2	<0.001	0.021	<0.05	3.5	<0.2	0.2	118	<0.01
5280970	0.07	0.11	20.7	981	8.5	9.9	0.066	1.88	6.79	8.0	5.9	0.9	143	0.03
5280971	0.24	0.12	17.6	961	0.7	0.5	<0.001	0.046	<0.05	4.0	<0.2	<0.2	140	<0.01
5280972	0.25	0.08	22.9	662	0.6	0.4	0.001	0.029	<0.05	4.4	<0.2	<0.2	146	<0.01
5280973	0.29	0.08	30.3	379	0.7	0.4	<0.001	0.042	<0.05	5.4	<0.2	<0.2	164	<0.01
5280974	0.22	0.09	21.2	727	0.6	0.5	<0.001	0.033	0.05	4.1	<0.2	<0.2	137	<0.01
5280975	0.11	0.08	25.3	686	0.6	0.8	0.001	0.021	<0.05	4.1	<0.2	<0.2	95.9	<0.01
5280976	0.17	0.14	17.4	935	0.7	1.4	0.009	0.031	<0.05	4.1	<0.2	<0.2	96.4	<0.01
5280977	0.10	0.09	20.4	131	0.5	0.5	<0.001	0.016	<0.05	3.5	<0.2	<0.2	110	<0.01
5280978	0.23	0.11	17.8	554	0.8	0.4	<0.001	0.039	<0.05	4.0	<0.2	<0.2	143	<0.01

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AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5280979	0.18	0.14	14.8	992	0.5	0.5	0.001	0.041	<0.05	3.7	<0.2	<0.2	113	<0.01
5280980	0.20	0.14	14.9	969	0.6	0.4	<0.001	0.032	<0.05	4.3	<0.2	0.2	123	<0.01
5280981	0.23	0.10	20.4	269	0.5	0.3	<0.001	0.033	<0.05	3.5	<0.2	<0.2	108	<0.01
5280982	0.28	0.07	52.5	173	0.6	0.4	<0.001	0.030	<0.05	3.7	<0.2	<0.2	146	<0.01
5280983	0.15	0.09	30.9	186	0.6	0.6	<0.001	0.017	<0.05	5.2	<0.2	<0.2	107	<0.01
5280984	0.12	0.11	33.2	332	2.8	0.6	<0.001	0.034	0.10	6.2	<0.2	<0.2	198	<0.01
5280985	0.11	0.11	18.0	951	0.6	0.5	<0.001	0.028	<0.05	4.7	<0.2	<0.2	112	<0.01
5280986	0.08	0.13	17.3	1140	0.7	0.6	<0.001	0.023	0.11	6.3	<0.2	0.2	137	<0.01
5280987	0.12	0.13	15.0	1140	3.4	0.9	<0.001	0.030	0.16	5.2	<0.2	0.2	120	<0.01
5280988	0.11	0.11	15.6	1120	1.0	0.7	<0.001	0.032	0.06	5.6	0.3	<0.2	97.5	<0.01
5280989	0.15	0.12	16.1	1100	0.9	0.7	0.001	0.026	0.05	6.6	<0.2	0.2	96.5	<0.01
5280990	<0.01	0.14	2.1	169	1.1	1.1	<0.001	0.206	<0.05	0.4	<0.2	<0.2	43.3	0.05
5280991	0.14	0.12	20.1	1430	0.8	1.0	0.001	0.040	0.07	9.0	0.2	0.3	115	<0.01
5280992	0.05	0.10	22.6	972	0.6	0.6	0.002	0.021	0.12	8.5	<0.2	0.2	141	<0.01
5280993	0.16	0.10	15.5	984	0.6	0.7	0.003	0.030	0.06	7.2	0.2	0.2	81.5	<0.01
5280994	0.13	0.10	20.7	939	0.6	0.9	<0.001	0.038	0.14	10.9	<0.2	0.2	134	<0.01
5280995	0.12	0.14	21.8	1050	0.7	1.4	0.002	0.025	0.20	10.4	<0.2	0.3	132	<0.01
5280996	0.09	0.11	18.5	965	1.4	1.0	0.005	0.027	0.30	8.7	<0.2	0.2	160	<0.01
5280997	0.12	0.12	16.3	1010	0.8	1.3	0.002	0.024	0.18	6.7	<0.2	0.2	105	<0.01
5280998	0.12	0.10	11.8	700	0.6	0.9	0.001	0.014	0.11	4.4	<0.2	<0.2	78.8	<0.01
5280999	0.13	0.10	19.0	1030	1.5	0.8	0.007	0.031	0.09	8.5	<0.2	0.2	88.0	<0.01
5281000	0.08	0.10	20.2	940	9.2	9.9	0.071	1.93	6.89	8.2	6.0	0.9	139	0.01
5281001	0.11	0.10	14.8	1010	0.6	1.2	0.002	0.025	0.07	5.5	<0.2	<0.2	78.2	<0.01
5281002	0.13	0.11	16.6	1030	0.9	1.0	0.010	0.028	0.17	6.7	0.2	0.2	125	<0.01
5281003	0.09	0.12	21.4	1050	1.1	0.9	0.003	0.030	0.26	10.2	0.2	0.3	207	<0.01
5281004	0.14	0.10	13.5	1010	0.7	1.4	0.001	0.029	0.05	5.5	<0.2	<0.2	81.0	<0.01
5281005	0.18	0.09	19.5	1010	1.6	1.9	0.002	0.070	0.07	13.6	0.2	0.3	210	<0.01
5281006	0.21	0.12	16.1	991	1.0	0.8	0.001	0.022	<0.05	5.5	<0.2	0.3	117	<0.01
5281007	0.23	0.13	18.1	1020	0.9	0.9	<0.001	0.022	<0.05	4.2	<0.2	0.3	134	<0.01
5281008	0.25	0.17	21.5	991	1.4	1.1	0.002	0.140	<0.05	4.8	0.3	0.4	247	<0.01
5281009	0.21	0.16	16.1	1060	1.1	1.7	0.002	0.056	<0.05	5.1	<0.2	0.3	210	<0.01
5281010	0.20	0.14	16.0	1100	1.0	1.4	0.002	0.074	<0.05	4.8	0.2	0.3	171	<0.01

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5281011	0.16	0.13	17.3	956	0.9	2.2	0.004	0.062	0.09	6.5	<0.2	0.3	162	<0.01
5281012	0.10	0.14	13.8	690	1.2	1.7	<0.001	0.077	0.05	5.4	<0.2	<0.2	153	<0.01
5281013	0.14	0.13	15.0	757	0.9	2.4	<0.001	0.042	<0.05	6.1	<0.2	0.2	124	<0.01
5281021	0.14	0.07	16.7	1740	1.2	1.5	0.001	0.081	<0.05	4.0	<0.2	<0.2	228	<0.01
5281022	0.06	0.06	24.3	1460	2.4	0.9	0.006	0.080	0.13	10.0	<0.2	0.2	303	<0.01
5281023	0.07	0.10	24.7	1090	1.5	1.1	0.004	0.066	0.10	8.5	0.2	0.2	233	<0.01
5281028	0.19	0.10	21.5	1240	1.4	0.7	0.002	0.057	0.06	5.6	<0.2	0.3	187	<0.01
5281029	0.10	0.08	19.0	1820	1.7	1.1	0.003	0.103	0.08	6.8	<0.2	0.3	201	<0.01
5281030	0.08	0.10	19.9	937	9.2	10.4	0.068	1.95	7.37	8.3	6.0	0.9	148	<0.01
5281031	0.07	0.08	27.5	1640	1.1	1.6	0.011	0.061	0.08	11.6	0.2	0.3	133	<0.01
5281032	0.10	0.10	38.4	1180	1.4	1.6	0.002	0.060	0.13	17.5	<0.2	0.4	182	<0.01
5281033	0.03	0.08	27.1	855	1.4	0.4	0.001	0.030	0.32	9.4	<0.2	0.3	267	<0.01
5281034	0.07	0.06	24.8	828	1.2	1.1	0.001	0.025	0.19	13.7	<0.2	<0.2	145	<0.01
5281035	0.06	0.06	24.8	799	2.3	1.5	0.059	0.060	0.10	14.9	<0.2	0.2	95.1	<0.01
5281036	0.04	0.06	19.4	761	3.6	1.2	0.006	0.048	0.61	10.8	<0.2	0.2	284	<0.01
5281037	0.09	0.06	24.1	848	1.6	1.8	0.001	0.029	0.14	15.3	<0.2	0.2	98.5	<0.01
5281038	0.07	0.07	21.0	957	1.8	3.4	0.002	0.069	0.13	13.7	<0.2	<0.2	108	0.02
5281039	0.07	0.07	24.4	930	2.2	1.5	0.001	0.035	0.32	12.1	<0.2	0.2	188	<0.01
5281040	0.07	0.07	22.8	970	1.9	1.5	0.001	0.035	0.26	12.5	<0.2	<0.2	163	<0.01
5281041	0.09	0.09	19.6	912	1.4	2.0	0.001	0.033	0.20	11.6	<0.2	0.2	141	<0.01
5281042	0.05	0.07	21.3	1080	2.0	1.2	0.002	0.031	0.21	10.3	<0.2	0.2	145	<0.01
5281043	0.20	0.09	16.5	997	1.0	1.0	<0.001	0.033	0.06	7.4	<0.2	0.3	115	<0.01
5281044	0.25	0.09	15.2	1000	0.6	0.4	<0.001	0.025	<0.05	5.0	<0.2	0.3	131	<0.01
5281045	0.20	0.09	12.9	1030	0.5	0.3	<0.001	0.027	<0.05	3.7	<0.2	0.2	109	<0.01
5281046	0.26	0.10	13.3	984	0.6	0.2	<0.001	0.031	<0.05	3.7	<0.2	0.3	149	<0.01
5281047	0.22	0.12	12.2	1050	0.4	0.2	<0.001	0.022	<0.05	3.9	<0.2	0.2	116	<0.01
5281048	0.21	0.12	12.3	1010	0.6	0.3	<0.001	0.028	<0.05	3.8	<0.2	0.2	141	<0.01
5281049	0.24	0.15	13.3	1090	0.7	0.5	<0.001	0.030	<0.05	5.7	<0.2	0.2	152	<0.01
5281050	0.06	0.13	1.8	190	1.2	1.2	<0.001	0.207	<0.05	0.9	<0.2	<0.2	66.9	0.02
5281051	0.22	0.16	11.6	1090	0.6	0.4	<0.001	0.033	<0.05	4.6	<0.2	0.2	164	<0.01
5281052	0.18	0.13	12.7	1120	0.6	0.5	0.001	0.034	<0.05	4.7	<0.2	0.2	123	<0.01
5281053	0.62	0.14	19.3	1240	1.2	2.0	<0.001	0.053	<0.05	9.7	<0.2	0.3	793	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5281054	0.77	0.08	17.8	1440	1.1	1.5	<0.001	0.079	<0.05	8.9	<0.2	0.3	875	<0.01
5281055	0.54	0.11	24.4	1570	1.0	1.9	<0.001	0.054	<0.05	12.0	<0.2	0.4	785	<0.01
5281056	0.64	0.15	18.3	1510	1.0	1.4	<0.001	0.075	<0.05	9.8	<0.2	0.3	846	<0.01
5281057	0.43	0.24	70.9	1440	1.7	3.0	0.002	0.055	0.14	13.8	0.2	0.6	568	<0.01
5281058	0.37	0.29	76.4	1320	1.6	2.3	0.001	0.052	0.16	13.4	0.5	0.9	386	<0.01
5281059	0.22	0.10	47.9	1010	1.6	1.3	0.001	0.055	0.09	9.1	<0.2	0.4	370	<0.01
5281060	0.08	0.10	18.5	1130	8.9	10.9	0.075	1.90	8.19	8.6	6.0	1.0	152	<0.01
5279061	0.22	0.12	19.0	1170	0.7	1.3	<0.001	0.049	0.06	7.2	<0.2	0.2	314	<0.01
5279062	0.27	0.09	19.5	1190	0.6	0.7	<0.001	0.042	<0.05	7.2	<0.2	0.2	269	<0.01
5279063	0.25	0.08	14.8	1260	0.6	0.8	<0.001	0.033	0.08	5.6	<0.2	0.2	275	<0.01
5279064	0.25	0.05	15.0	1210	0.8	1.6	<0.001	0.057	<0.05	8.0	<0.2	0.2	252	<0.01
5279065	0.15	0.09	22.3	1250	1.0	1.7	<0.001	0.050	0.08	11.8	<0.2	0.3	350	<0.01
5279066	0.14	<0.05	18.6	950	1.0	2.3	<0.001	0.062	0.05	9.8	<0.2	0.3	223	<0.01
5279067	0.25	0.09	16.6	1180	0.9	2.0	<0.001	0.047	<0.05	8.2	<0.2	0.3	303	<0.01
5279068	0.14	0.07	15.5	1300	0.8	1.8	<0.001	0.058	<0.05	6.5	<0.2	0.3	251	<0.01
5279069	0.30	0.07	14.1	1220	0.5	0.9	<0.001	0.051	<0.05	5.1	<0.2	0.2	247	<0.01
5279070	0.39	0.10	15.4	1370	0.6	0.8	<0.001	0.068	<0.05	6.2	<0.2	0.3	262	<0.01
5279071	0.29	<0.05	19.2	1080	0.7	2.1	<0.001	0.069	<0.05	10.9	<0.2	0.3	286	<0.01
5279072	0.26	0.12	13.7	1350	0.6	0.7	<0.001	0.047	<0.05	6.7	<0.2	0.2	347	<0.01
5279073	0.35	0.08	12.8	1210	0.6	0.7	<0.001	0.036	<0.05	5.3	<0.2	0.2	353	<0.01
5279074	0.21	0.09	14.4	1350	0.5	0.7	<0.001	0.031	<0.05	5.5	<0.2	0.2	171	<0.01
5279075	0.26	0.07	15.0	1360	0.7	1.4	<0.001	0.032	<0.05	6.6	<0.2	0.2	298	<0.01
5279076	0.31	<0.05	13.6	1230	0.9	0.9	<0.001	0.047	<0.05	5.5	<0.2	0.2	325	<0.01
5279077	0.42	0.11	13.5	1620	0.6	0.7	0.001	0.070	<0.05	7.5	<0.2	0.3	441	<0.01
5279078	0.28	0.12	13.1	1500	0.5	0.4	<0.001	0.050	<0.05	5.6	<0.2	<0.2	340	<0.01
5279079	0.34	0.11	14.6	1520	0.6	0.9	<0.001	0.039	<0.05	7.2	<0.2	0.2	302	<0.01
5279080	0.05	0.09	1.4	211	1.1	0.4	<0.001	0.241	<0.05	0.8	<0.2	<0.2	65.5	0.02
5279081	0.46	0.10	14.7	1520	0.7	1.6	<0.001	0.060	<0.05	7.4	0.2	0.2	341	<0.01
5279088	0.53	0.14	19.7	1840	0.7	0.4	<0.001	0.088	<0.05	10.9	0.2	0.3	444	<0.01
5279089	0.27	0.06	14.3	1590	0.5	0.3	<0.001	0.089	<0.05	5.8	<0.2	<0.2	323	<0.01
5279090	0.08	0.08	19.3	1350	9.4	10.3	0.070	2.01	8.89	9.6	5.9	1.0	158	<0.01
5279091	0.37	0.10	18.5	1560	0.6	0.6	0.002	0.055	<0.05	12.8	<0.2	0.3	290	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5279092	0.34	0.07	16.3	1560	0.7	0.6	<0.001	0.078	<0.05	10.4	<0.2	0.3	352	<0.01
5279093	0.64	0.10	22.9	1430	0.9	0.7	<0.001	0.058	<0.05	9.0	<0.2	0.3	995	<0.01
5279094	0.72	0.05	18.7	1500	1.2	0.9	<0.001	0.051	<0.05	9.6	0.2	0.3	1540	<0.01
5279095	0.61	0.05	17.9	1420	0.9	0.9	<0.001	0.063	<0.05	9.2	<0.2	0.2	848	<0.01
5279096	0.63	0.06	13.1	1550	1.1	0.9	<0.001	0.064	<0.05	7.0	<0.2	0.2	1160	<0.01
5279097	0.31	0.06	14.6	1770	0.8	1.3	<0.001	0.065	<0.05	9.3	<0.2	0.3	837	<0.01
5279098	0.32	0.06	16.2	1620	0.6	0.8	<0.001	0.068	<0.05	10.4	<0.2	0.3	344	<0.01
5279099	0.38	<0.05	13.2	1550	0.5	0.5	<0.001	0.053	<0.05	6.9	<0.2	<0.2	280	<0.01
5279100	0.27	0.06	14.2	1850	0.5	0.4	<0.001	0.045	<0.05	5.8	<0.2	<0.2	222	<0.01
5279101	0.17	<0.05	11.1	1570	0.4	0.2	<0.001	0.046	<0.05	4.3	<0.2	<0.2	142	<0.01
5279102	0.19	0.07	15.7	1930	0.6	0.5	<0.001	0.035	<0.05	7.8	<0.2	<0.2	167	<0.01
5279103	0.20	0.08	16.7	1970	0.5	0.6	<0.001	0.044	<0.05	7.8	<0.2	0.2	152	<0.01
5279104	0.16	0.07	19.2	1990	0.7	0.6	0.001	0.141	0.08	9.5	0.2	0.2	161	<0.01
5279105	0.21	0.06	15.1	1850	0.4	0.6	<0.001	0.063	<0.05	7.5	<0.2	0.2	173	<0.01
5279106	0.20	0.08	21.4	1910	0.7	1.3	0.001	0.085	0.06	14.7	0.2	0.3	197	<0.01
5279107	0.12	<0.05	19.8	1400	1.8	1.3	<0.001	0.077	0.08	15.6	<0.2	0.2	201	<0.01
5279108	0.15	0.06	16.3	1640	1.1	1.2	<0.001	0.052	0.09	9.8	<0.2	0.3	190	<0.01
5279109	0.31	0.06	15.4	1520	0.5	0.7	<0.001	0.066	<0.05	6.7	<0.2	0.2	294	<0.01
5279910	0.04	0.07	1.5	240	1.0	0.5	<0.001	0.272	<0.05	1.2	<0.2	<0.2	67.6	<0.01
5279911	0.34	0.10	14.5	1890	0.5	0.9	<0.001	0.038	<0.05	9.2	<0.2	0.2	386	<0.01
5279912	0.28	0.05	12.2	1560	0.4	0.7	<0.001	0.038	<0.05	5.8	<0.2	<0.2	240	<0.01
5279913	0.27	0.08	16.0	1930	0.5	1.1	<0.001	0.036	<0.05	9.3	<0.2	0.2	236	<0.01
5279914	0.31	0.12	17.3	1770	0.7	1.5	<0.001	0.047	0.06	13.6	<0.2	0.3	316	<0.01
5279915	0.23	<0.05	10.5	1480	0.4	0.6	<0.001	0.033	<0.05	4.3	<0.2	<0.2	288	<0.01
5279916	0.23	0.06	11.8	1860	0.4	1.2	<0.001	0.037	<0.05	5.3	<0.2	<0.2	400	<0.01
5279917	0.27	0.08	14.6	1770	0.4	1.5	<0.001	0.051	<0.05	7.4	<0.2	<0.2	313	<0.01
5279918	0.15	0.11	21.8	1650	0.6	4.1	<0.001	0.037	0.14	13.0	<0.2	0.2	214	<0.01
5279919	0.14	0.11	21.3	2020	0.8	3.4	<0.001	0.044	0.12	13.7	<0.2	0.3	219	<0.01
5279920	0.31	0.08	16.4	1690	0.6	1.9	<0.001	0.046	0.08	9.0	<0.2	0.2	352	<0.01
5279921	0.24	0.14	24.0	2050	0.5	2.4	<0.001	0.040	0.12	16.3	<0.2	0.3	340	<0.01
5279922	0.20	0.13	21.3	1780	0.7	2.7	<0.001	0.037	0.13	14.6	<0.2	0.4	262	<0.01
5279923	0.19	0.12	23.9	1710	0.7	1.9	0.001	0.033	0.15	16.2	<0.2	0.4	275	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5279924	0.27	0.14	21.3	1830	0.5	2.1	<0.001	0.052	0.06	13.5	<0.2	0.3	293	<0.01
5279925	0.18	0.10	22.1	2040	0.7	1.5	<0.001	0.038	0.08	14.3	<0.2	0.3	300	<0.01
5279926	0.34	0.18	16.1	2010	0.6	2.2	<0.001	0.040	0.08	12.0	<0.2	0.3	396	<0.01
5279927	0.30	0.11	17.5	2350	0.9	1.5	<0.001	0.035	0.08	13.0	<0.2	0.3	457	<0.01
5279928	0.46	0.09	16.0	2250	0.6	0.8	<0.001	0.044	<0.05	8.9	<0.2	<0.2	820	<0.01
5279929	0.50	0.12	16.8	2150	0.6	0.6	<0.001	0.055	<0.05	10.0	0.3	0.2	588	<0.01
5279930	0.60	0.11	19.7	1600	0.7	0.6	<0.001	0.056	<0.05	10.8	0.2	0.2	526	<0.01
5279931	0.37	0.12	27.4	1590	0.4	0.6	<0.001	0.033	<0.05	12.2	<0.2	0.3	374	<0.01
5279932	0.46	0.11	28.0	1290	0.5	0.8	<0.001	0.045	0.05	14.6	<0.2	0.3	486	<0.01
5279933	0.47	0.12	22.3	1680	0.6	1.0	0.001	0.040	0.09	14.6	<0.2	0.3	797	<0.01

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5280933	0.02	<0.1	0.096	<0.02	<0.05	111	0.06	2.86	45.3	4.4
5280934	<0.01	0.1	0.116	<0.02	0.06	157	<0.05	4.56	56.2	4.2
5280935	<0.01	0.2	0.110	<0.02	0.08	175	<0.05	4.43	48.8	3.0
5280936	<0.01	0.3	0.124	<0.02	0.10	171	<0.05	4.28	48.1	5.6
5280937	<0.01	0.2	0.121	<0.02	0.08	192	<0.05	4.90	55.7	4.4
5280938	0.01	0.2	0.137	<0.02	0.08	200	<0.05	5.12	53.8	5.7
5280939	0.01	0.2	0.124	<0.02	0.09	220	<0.05	5.25	62.3	5.8
5280940	0.24	1.0	0.012	0.10	0.42	85.2	3.81	13.4	61.9	2.7
5280941	<0.01	0.2	0.112	<0.02	0.10	167	<0.05	4.53	58.8	3.8
5280942	<0.01	0.2	0.113	<0.02	0.12	164	0.07	4.72	46.0	4.1
5280943	<0.01	0.2	0.108	<0.02	0.09	168	<0.05	4.36	48.7	3.6
5280944	<0.01	0.2	0.140	<0.02	0.14	196	<0.05	7.49	61.5	5.2
5280945	<0.01	0.2	0.138	<0.02	0.09	189	<0.05	6.02	50.7	5.0
5280946	<0.01	0.2	0.143	<0.02	0.10	203	<0.05	7.07	50.7	9.0
5280947	<0.01	0.2	0.154	<0.02	0.10	187	<0.05	6.19	52.4	5.6
5280962	<0.01	0.1	0.153	<0.02	0.07	179	<0.05	5.29	48.3	3.7
5280963	<0.01	0.1	0.129	<0.02	0.07	197	<0.05	5.07	49.4	4.1
5280964	<0.01	0.2	0.181	<0.02	0.09	188	<0.05	6.66	61.6	6.3
5280965	<0.01	0.2	0.159	<0.02	0.09	171	<0.05	6.25	70.9	5.1
5280966	<0.01	0.2	0.183	<0.02	0.09	170	<0.05	6.21	63.2	5.4
5280967	0.02	0.2	0.167	<0.02	0.08	204	<0.05	6.27	43.7	4.0
5280968	0.01	0.2	0.145	<0.02	0.09	185	<0.05	6.17	54.2	4.2
5280969	<0.01	0.1	0.155	<0.02	0.07	179	<0.05	4.88	49.1	2.6
5280970	0.21	1.1	0.010	0.10	0.44	85.8	3.88	13.6	62.9	2.7
5280971	<0.01	0.2	0.144	<0.02	0.07	169	<0.05	4.90	43.1	3.4
5280972	<0.01	0.1	0.145	<0.02	<0.05	164	<0.05	3.95	47.5	3.0
5280973	<0.01	<0.1	0.136	<0.02	<0.05	163	<0.05	3.42	59.0	3.3
5280974	<0.01	0.1	0.135	<0.02	0.10	178	<0.05	3.92	47.9	2.3
5280975	<0.01	<0.1	0.096	<0.02	0.05	160	0.05	3.54	54.7	2.2
5280976	<0.01	0.5	0.126	0.02	0.36	154	<0.05	4.24	41.6	3.1
5280977	<0.01	<0.1	0.100	<0.02	<0.05	134	<0.05	2.06	45.4	2.5
5280978	<0.01	<0.1	0.106	<0.02	<0.05	200	<0.05	3.42	43.7	2.8

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5280979	<0.01	0.1	0.128	<0.02	0.06	190	<0.05	4.40	40.2	2.7
5280980	<0.01	0.1	0.138	<0.02	0.06	184	<0.05	4.60	41.4	3.1
5280981	<0.01	<0.1	0.119	<0.02	<0.05	179	<0.05	2.59	34.3	2.1
5280982	<0.01	<0.1	0.098	<0.02	<0.05	139	<0.05	2.23	40.8	1.9
5280983	<0.01	<0.1	0.124	<0.02	<0.05	136	<0.05	2.90	58.0	3.6
5280984	<0.01	0.1	0.173	<0.02	<0.05	127	<0.05	3.27	59.2	4.3
5280985	<0.01	0.1	0.135	<0.02	0.06	159	<0.05	4.60	57.5	3.8
5280986	<0.01	0.2	0.149	<0.02	0.09	149	<0.05	5.85	56.9	4.8
5280987	<0.01	0.2	0.141	<0.02	0.10	158	<0.05	6.03	52.3	3.7
5280988	<0.01	0.2	0.122	<0.02	0.08	160	<0.05	5.97	57.9	3.3
5280989	<0.01	0.2	0.143	<0.02	0.08	176	<0.05	7.24	64.7	3.8
5280990	<0.01	0.2	<0.005	<0.02	0.71	6.9	<0.05	1.12	12.2	0.6
5280991	<0.01	0.5	0.175	<0.02	0.14	186	<0.05	8.61	79.7	4.9
5280992	<0.01	0.2	0.137	<0.02	0.08	145	<0.05	6.78	79.3	3.5
5280993	<0.01	0.1	0.127	<0.02	0.06	173	<0.05	7.13	53.6	4.2
5280994	<0.01	0.1	0.146	<0.02	0.07	169	0.07	8.82	71.7	4.1
5280995	<0.01	0.1	0.188	<0.02	0.07	169	0.14	8.64	74.1	5.6
5280996	<0.01	0.1	0.131	<0.02	0.06	151	0.09	8.51	58.4	3.2
5280997	<0.01	0.1	0.179	<0.02	0.06	159	0.09	7.32	56.4	4.1
5280998	<0.01	0.5	0.123	<0.02	0.16	123	0.06	4.98	41.9	3.1
5280999	<0.01	0.2	0.156	<0.02	0.08	179	0.06	8.92	65.4	3.0
5281000	0.20	1.1	0.011	0.10	0.46	86.0	3.90	13.4	61.9	2.7
5281001	<0.01	0.1	0.132	<0.02	0.06	160	<0.05	5.94	56.8	3.4
5281002	<0.01	0.1	0.160	<0.02	0.07	152	<0.05	7.02	61.2	3.4
5281003	<0.01	0.1	0.214	<0.02	0.07	147	0.07	9.20	75.2	4.5
5281004	<0.01	0.2	0.133	<0.02	0.08	189	<0.05	7.72	50.8	1.9
5281005	<0.01	0.2	0.089	<0.02	0.08	193	<0.05	13.2	66.6	1.7
5281006	<0.01	0.1	0.195	<0.02	0.07	202	<0.05	8.33	57.7	2.1
5281007	<0.01	<0.1	0.212	<0.02	<0.05	193	<0.05	7.09	55.8	1.5
5281008	0.01	0.1	0.208	<0.02	0.07	188	<0.05	7.43	52.0	1.5
5281009	<0.01	0.1	0.210	<0.02	0.06	202	<0.05	7.97	55.5	1.5
5281010	0.01	0.1	0.196	<0.02	0.06	202	<0.05	8.08	54.4	1.4

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5281011	<0.01	0.2	0.161	<0.02	0.11	159	0.07	6.66	56.8	2.4
5281012	<0.01	1.3	0.140	<0.02	0.55	123	<0.05	4.89	47.8	2.5
5281013	<0.01	0.6	0.139	<0.02	0.36	169	<0.05	5.89	51.3	2.6
5281021	0.01	0.3	0.138	<0.02	0.12	171	<0.05	5.81	75.3	1.3
5281022	0.01	0.4	0.049	<0.02	0.13	129	<0.05	6.56	74.8	1.3
5281023	<0.01	0.2	0.175	<0.02	0.08	151	0.06	6.34	86.1	2.1
5281028	<0.01	0.2	0.150	<0.02	0.08	194	<0.05	7.35	71.1	2.0
5281029	<0.01	0.3	0.113	<0.02	0.12	154	<0.05	9.11	77.3	1.8
5281030	0.20	1.2	0.012	0.11	0.48	79.6	4.15	13.6	62.9	2.7
5281031	0.02	0.3	0.079	<0.02	0.11	190	<0.05	11.2	123	1.9
5281032	<0.01	0.2	0.115	<0.02	0.08	236	0.06	10.7	124	2.7
5281033	<0.01	0.1	0.094	<0.02	0.09	118	0.06	7.84	91.3	1.7
5281034	<0.01	0.1	0.053	<0.02	0.06	123	<0.05	11.4	104	1.3
5281035	<0.01	<0.1	<0.005	<0.02	0.05	154	<0.05	12.4	104	<0.5
5281036	<0.01	<0.1	0.015	<0.02	<0.05	118	0.05	9.52	71.3	1.1
5281037	<0.01	<0.1	0.010	<0.02	<0.05	141	<0.05	12.0	112	0.6
5281038	0.02	<0.1	0.006	0.02	<0.05	135	<0.05	11.2	89.1	<0.5
5281039	0.02	<0.1	0.022	<0.02	<0.05	125	0.09	10.5	103	1.2
5281040	<0.01	<0.1	0.023	<0.02	<0.05	136	<0.05	10.8	105	1.2
5281041	<0.01	<0.1	0.126	<0.02	<0.05	144	<0.05	9.78	98.1	2.6
5281042	<0.01	0.1	0.050	<0.02	<0.05	130	<0.05	10.4	95.6	1.6
5281043	<0.01	0.1	0.131	<0.02	0.05	159	<0.05	7.24	50.1	1.7
5281044	<0.01	0.1	0.173	<0.02	<0.05	168	<0.05	5.60	45.3	1.9
5281045	<0.01	<0.1	0.157	<0.02	<0.05	180	<0.05	4.88	37.4	1.8
5281046	<0.01	<0.1	0.166	<0.02	<0.05	173	<0.05	5.52	36.5	1.2
5281047	<0.01	<0.1	0.143	<0.02	<0.05	166	<0.05	4.84	31.7	2.4
5281048	<0.01	0.1	0.148	<0.02	<0.05	168	<0.05	4.98	34.7	2.1
5281049	<0.01	0.2	0.167	<0.02	0.08	159	<0.05	5.50	40.5	4.0
5281050	<0.01	<0.1	0.016	<0.02	0.43	15.1	<0.05	1.42	13.3	<0.5
5281051	<0.01	0.1	0.148	<0.02	0.05	166	<0.05	5.12	34.2	2.4
5281052	<0.01	0.1	0.160	<0.02	0.06	166	<0.05	6.09	47.3	2.0
5281053	<0.01	0.5	0.166	<0.02	0.32	233	<0.05	7.32	51.3	5.9

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5281054	<0.01	0.2	0.175	<0.02	0.15	200	<0.05	7.29	45.3	5.7
5281055	0.01	0.2	0.236	<0.02	0.23	273	<0.05	8.50	62.0	8.1
5281056	<0.01	0.2	0.145	<0.02	0.39	230	<0.05	7.27	47.8	4.5
5281057	<0.01	0.5	0.344	<0.02	0.22	180	0.11	12.0	65.8	15.7
5281058	0.02	0.6	0.369	<0.02	0.31	205	0.11	12.1	68.0	16.5
5281059	0.01	0.2	0.277	<0.02	0.15	183	0.07	7.61	64.0	8.3
5281060	0.20	1.2	0.012	0.11	0.50	83.1	4.14	13.9	61.5	3.0
5279061	0.02	0.2	0.167	<0.02	0.08	176	0.08	5.30	60.4	2.9
5279062	0.01	0.1	0.167	<0.02	0.08	184	<0.05	5.64	56.4	2.1
5279063	0.02	0.1	0.137	<0.02	0.08	164	<0.05	4.78	46.6	2.0
5279064	0.02	0.1	0.159	<0.02	0.12	172	<0.05	6.02	49.5	3.8
5279065	<0.01	0.1	0.110	<0.02	0.13	153	0.05	7.61	65.7	2.8
5279066	<0.01	<0.1	0.088	0.04	0.13	142	<0.05	5.97	55.8	1.9
5279067	<0.01	0.2	0.139	0.02	0.11	163	<0.05	6.00	56.5	3.1
5279068	<0.01	0.1	0.150	<0.02	0.15	164	<0.05	5.60	60.1	3.6
5279069	<0.01	0.1	0.155	<0.02	0.05	186	<0.05	4.48	45.3	2.4
5279070	<0.01	0.1	0.195	<0.02	0.06	201	<0.05	5.18	48.4	3.1
5279071	<0.01	0.2	0.086	<0.02	0.12	155	<0.05	6.64	61.2	2.7
5279072	<0.01	0.1	0.154	<0.02	0.08	164	<0.05	5.29	46.6	3.3
5279073	<0.01	<0.1	0.173	<0.02	<0.05	171	<0.05	4.16	48.0	2.7
5279074	<0.01	0.1	0.146	<0.02	0.07	168	<0.05	4.61	47.9	2.5
5279075	<0.01	<0.1	0.150	<0.02	<0.05	170	<0.05	4.57	49.3	4.0
5279076	<0.01	<0.1	0.157	<0.02	0.06	160	<0.05	4.37	50.9	2.1
5279077	<0.01	0.2	0.181	<0.02	0.07	180	<0.05	5.87	46.7	4.4
5279078	0.02	0.1	0.145	<0.02	0.06	188	<0.05	4.33	36.1	2.2
5279079	0.01	<0.1	0.163	<0.02	0.06	193	<0.05	5.11	48.6	2.5
5279080	<0.01	<0.1	0.014	<0.02	0.54	11.9	<0.05	1.18	10.0	<0.5
5279081	<0.01	0.1	0.172	<0.02	0.09	189	<0.05	5.60	48.9	2.6
5279088	0.01	0.1	0.173	<0.02	0.06	267	<0.05	9.24	51.2	5.2
5279089	<0.01	0.1	0.065	<0.02	0.10	181	<0.05	5.29	48.8	2.0
5279090	0.19	1.2	0.010	0.10	0.49	80.3	3.77	14.2	68.1	2.9
5279091	0.03	0.1	0.111	<0.02	0.06	204	<0.05	9.76	62.8	4.6

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5279092	0.02	<0.1	0.094	<0.02	0.06	169	<0.05	7.94	56.4	3.0
5279093	0.02	<0.1	0.185	<0.02	0.07	309	<0.05	6.17	49.1	4.2
5279094	0.01	<0.1	0.140	<0.02	0.06	189	<0.05	6.19	48.0	4.2
5279095	<0.01	<0.1	0.152	<0.02	0.05	182	<0.05	5.54	47.6	4.1
5279096	0.01	<0.1	0.150	<0.02	0.07	172	<0.05	5.10	46.9	3.1
5279097	<0.01	0.5	0.118	<0.02	0.12	181	<0.05	6.49	51.5	2.4
5279098	<0.01	<0.1	0.126	<0.02	<0.05	188	<0.05	6.57	54.5	3.1
5279099	<0.01	<0.1	0.141	<0.02	<0.05	182	<0.05	5.03	44.5	2.4
5279100	<0.01	<0.1	0.105	<0.02	<0.05	185	<0.05	4.96	50.1	2.2
5279101	<0.01	<0.1	0.097	<0.02	<0.05	163	<0.05	4.06	41.8	1.4
5279102	<0.01	<0.1	0.096	<0.02	<0.05	170	0.06	5.62	55.8	2.6
5279103	0.01	0.1	0.131	<0.02	0.06	169	0.05	5.72	65.2	3.1
5279104	0.03	0.2	0.109	<0.02	0.10	146	<0.05	7.46	74.5	3.3
5279105	0.02	0.1	0.106	<0.02	0.06	153	<0.05	5.77	52.5	2.7
5279106	0.01	0.1	0.131	<0.02	0.08	178	<0.05	8.44	70.3	3.9
5279107	0.01	0.1	0.036	<0.02	0.16	140	<0.05	8.53	67.6	2.0
5279108	0.02	0.1	0.117	<0.02	0.10	165	0.06	6.49	62.1	3.0
5279109	0.02	0.1	0.172	<0.02	0.05	196	<0.05	5.44	63.5	1.7
5279910	<0.01	<0.1	0.011	<0.02	0.50	12.4	<0.05	1.25	13.1	<0.5
5279911	<0.01	0.1	0.152	<0.02	0.08	200	<0.05	5.42	61.4	3.1
5279912	<0.01	<0.1	0.120	<0.02	0.05	173	0.06	3.55	50.3	2.1
5279913	<0.01	0.1	0.137	<0.02	0.14	171	0.05	5.23	52.8	3.9
5279914	<0.01	1.2	0.182	<0.02	0.32	194	0.05	7.02	63.1	4.6
5279915	<0.01	0.1	0.106	<0.02	0.06	176	<0.05	2.85	43.7	1.6
5279916	<0.01	0.1	0.110	<0.02	0.07	170	<0.05	4.08	51.5	2.6
5279917	<0.01	0.4	0.124	<0.02	0.18	170	0.06	4.65	48.8	3.1
5279918	<0.01	0.2	0.181	<0.02	0.65	182	0.13	5.89	84.8	3.1
5279919	<0.01	0.2	0.174	<0.02	0.43	179	0.13	6.70	75.0	5.4
5279920	<0.01	0.1	0.152	<0.02	0.10	169	0.06	4.82	51.4	4.4
5279921	0.01	0.2	0.198	<0.02	0.42	220	0.10	8.18	73.9	7.5
5279922	<0.01	0.1	0.224	<0.02	0.63	183	0.09	7.16	69.3	6.3
5279923	<0.01	0.2	0.218	<0.02	0.81	193	0.10	8.22	86.1	6.9

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V424510
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Aug 04, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Aug 05, 2010 | SAMPLE TYPE: Drill Core

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5279924	<0.01	0.1	0.200	<0.02	0.09	197	<0.05	6.43	64.4	7.0
5279925	<0.01	0.2	0.154	<0.02	0.28	171	<0.05	7.33	80.6	5.3
5279926	<0.01	0.2	0.194	<0.02	0.61	196	0.07	6.39	51.2	5.7
5279927	<0.01	0.3	0.155	<0.02	0.47	163	0.07	7.23	64.2	5.5
5279928	0.01	0.2	0.124	<0.02	0.12	206	<0.05	4.62	51.9	3.7
5279929	0.01	0.2	0.139	<0.02	0.09	188	<0.05	4.52	56.3	4.3
5279930	<0.01	0.1	0.185	<0.02	0.05	238	<0.05	5.05	62.6	5.5
5279931	<0.01	0.1	0.168	<0.02	0.06	211	<0.05	5.25	58.2	5.4
5279932	<0.01	<0.1	0.203	<0.02	0.05	259	<0.05	5.88	62.5	6.0
5279933	<0.01	0.1	0.197	<0.02	0.06	220	0.07	5.77	65.2	6.7

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis

RPT Date: Aug 05, 2010

PARAMETER	Batch	REPLICATE Sample Id	Original	Rep #1	RPD	Method Blank	REFERENCE MATERIAL Result Value	Expect Value	Recovery	Acceptable Limits Lower	Upper
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907711	0.223	0.232	4.0%	< 0.01	7	7	103%	90%	110%
Al	1	1907711	2.63	2.37	10.4%	0.03				70%	130%
As	1	1907711	0.2	0.2	0.0%	0.2				70%	130%
Au	1	1907711	0.02	0.03		< 0.01				80%	120%
B	1	1907711	< 5	< 5	0.0%	< 5				70%	130%
Ba	1	1907711	126	117	7.4%	< 1				70%	130%
Be	1	1907711	0.13	0.13	0.0%	< 0.05				70%	130%
Bi	1	1907711	0.01	0.01	0.0%	< 0.01				70%	130%
Ca	1	1907711	1.92	1.74	9.8%	0.03	0.53	0.55	97%	90%	110%
Cd	1	1907711	0.04	0.04	0.0%	< 0.01				70%	130%
Ce	1	1907711	5.56	5.19	6.9%	< 0.01				70%	130%
Co	1	1907711	19.3	19.8	2.6%	< 0.1	5.3	5.0	106%	90%	110%
Cr	1	1907711	92.4	99.8	7.7%	< 0.5				70%	130%
Cs	1	1907711	0.18	0.18	0.0%	< 0.05				70%	130%
Cu	1	1907711	884	972	9.5%	21.7	4665	4700	99%	90%	110%
Fe	1	1907711	3.34	3.06	8.8%	0.03				70%	130%
Ga	1	1907711	8.32	8.17	1.8%	< 0.05				70%	130%
Ge	1	1907711	0.06	< 0.05		< 0.05				70%	130%
Hf	1	1907711	0.148	0.143	3.4%	< 0.02				70%	130%
Hg	1	1907711	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
In	1	1907711	0.0115	0.0111	3.5%	< 0.005				70%	130%
K	1	1907711	0.04	0.04	0.0%	< 0.01				70%	130%
La	1	1907711	2.4	2.3	4.3%	< 0.1				70%	130%
Li	1	1907711	5.6	5.8	3.5%	< 0.1				70%	130%
Mg	1	1907711	1.62	1.47	9.7%	< 0.01				70%	130%
Mn	1	1907711	402	445	10.2%	2				70%	130%
Mo	1	1907711	0.47	0.43	8.9%	< 0.05	249	280	89%	80%	120%
Na	1	1907711	0.327	0.288	12.7%	0.02				70%	130%
Nb	1	1907711	0.11	0.12	8.7%	< 0.05				70%	130%
Ni	1	1907711	33.2	34.5	3.8%	< 0.2	7	7	95%	90%	110%
P	1	1907711	362	358	1.1%	< 10				70%	130%
Pb	1	1907711	0.6	0.6	0.0%	< 0.1	27	30	91%	90%	110%
Rb	1	1907711	0.5	0.5	0.0%	< 0.1				70%	130%
Re	1	1907711	< 0.001	< 0.001	0.0%	< 0.001				70%	130%
S	1	1907711	0.0487	0.0388	22.6%	0.012				70%	130%
Sb	1	1907711	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Sc	1	1907711	5.6	5.6	0.0%	< 0.1				70%	130%
Se	1	1907711	0.23	0.26	12.2%	< 0.2				70%	130%
Sn	1	1907711	< 0.2	< 0.2	0.0%	< 0.2				70%	130%
Sr	1	1907711	326	334	2.4%	< 0.2				70%	130%
Ta	1	1907711	0.02	0.03		< 0.01				70%	130%
Te	1	1907711	0.02	0.02	0.0%	< 0.01				70%	130%
Th	1	1907711	< 0.1	< 0.1	0.0%	< 0.1				70%	130%
Ti	1	1907711	0.096	0.088	8.7%	< 0.005				70%	130%

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Tl	1	1907711	< 0.02	< 0.02	0.0%	< 0.02				70%	130%
U	1	1907711	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
V	1	1907711	111	122	9.4%	< 0.5				70%	130%
W	1	1907711	0.059	0.054	8.8%	< 0.05				70%	130%
Y	1	1907711	2.86	2.90	1.4%	< 0.05				70%	130%
Zn	1	1907711	45.3	46.3	2.2%	< 0.5				70%	130%
Zr	1	1907711	4.4	4.5	2.2%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907736	0.130	0.111	15.8%	0.01				70%	130%
Al	1	1907736	1.70	1.68	1.2%	0.03				70%	130%
As	1	1907736	0.6	0.6	0.0%	0.1				70%	130%
Au	1	1907736	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	1907736	< 5	< 5	0.0%	< 5				70%	130%
Ba	1	1907736	57	56	1.8%	< 1				70%	130%
Be	1	1907736	0.12	0.12	0.0%	< 0.05				70%	130%
Bi	1	1907736	< 0.01	< 0.01	0.0%	< 0.01	2.58	2.73	94%	90%	110%
Ca	1	1907736	1.47	1.45	1.4%	0.03	0.64	0.55	116%	80%	120%
Cd	1	1907736	0.053	0.056	5.5%	< 0.01				70%	130%
Ce	1	1907736	11.5	11.4	0.9%	< 0.01				70%	130%
Co	1	1907736	15.6	14.8	5.3%	< 0.1				70%	130%
Cr	1	1907736	55.2	48.7	12.5%	< 0.5				70%	130%
Cs	1	1907736	0.096	0.095	1.0%	< 0.05				70%	130%
Cu	1	1907736	357	338	5.5%	0.6	4458	4700	95%	90%	110%
Fe	1	1907736	3.92	3.94	0.5%	0.07	1.26	1.55	81%	80%	120%
Ga	1	1907736	6.54	6.32	3.4%	< 0.05				70%	130%
Ge	1	1907736	0.08	0.08	0.0%	< 0.05				70%	130%
Hf	1	1907736	0.116	0.114	1.7%	< 0.02				70%	130%
Hg	1	1907736	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
In	1	1907736	0.010	0.009	10.5%	< 0.005				70%	130%
K	1	1907736	0.04	0.04	0.0%	< 0.01				70%	130%
La	1	1907736	4.7	4.7	0.0%	< 0.1				70%	130%
Li	1	1907736	3.37	3.20	5.2%	< 0.1				70%	130%
Mg	1	1907736	0.987	0.982	0.5%	0.02				70%	130%
Mn	1	1907736	307	280	9.2%	5				70%	130%
Mo	1	1907736	1.55	0.60		< 0.05				70%	130%
Na	1	1907736	0.24	0.24	0.0%	< 0.01				70%	130%
Nb	1	1907736	0.12	0.12	0.0%	< 0.05				70%	130%
Ni	1	1907736	17.6	17.2	2.3%	< 0.2				70%	130%
P	1	1907736	961	926	3.7%	< 10				70%	130%
Pb	1	1907736	0.65	0.56	14.9%	< 0.1	66	58	113%	80%	120%
Rb	1	1907736	0.5	0.5	0.0%	< 0.1				70%	130%
Re	1	1907736	< 0.001	< 0.001	0.0%	0.003				70%	130%
S	1	1907736	0.0464	0.0434	6.7%	< 0.005				70%	130%

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Sb	1	1907736	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Sc	1	1907736	4.0	3.9	2.5%	< 0.1				70%	130%
Se	1	1907736	< 0.2	< 0.2	0.0%	< 0.2				70%	130%
Sn	1	1907736	< 0.2	< 0.2	0.0%	< 0.2				70%	130%
Sr	1	1907736	140	136	2.9%	< 0.2				70%	130%
Ta	1	1907736	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907736	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Th	1	1907736	0.2	0.2	0.0%	< 0.1				70%	130%
Ti	1	1907736	0.144	0.142	1.4%	< 0.005				70%	130%
Tl	1	1907736	< 0.02	< 0.02	0.0%	< 0.02				70%	130%
U	1	1907736	0.07	0.07	0.0%	< 0.05				70%	130%
V	1	1907736	169	151	11.3%	0.5				70%	130%
W	1	1907736	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Y	1	1907736	4.90	4.75	3.1%	< 0.05				70%	130%
Zn	1	1907736	43.1	41.4	4.0%	< 0.5				70%	130%
Zr	1	1907736	3.4	3.3	3.0%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907761	0.04	0.04	0.0%	0.01	7	7	107%	90%	110%
Al	1	1907761	2.30	2.11	8.6%	0.02				70%	130%
As	1	1907761	0.8	0.8	0.0%	< 0.1				70%	130%
Au	1	1907761	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	1907761	< 5	< 5	0.0%	< 5				70%	130%
Ba	1	1907761	42	43	2.4%	< 1				70%	130%
Be	1	1907761	0.28	0.28	0.0%	< 0.05				70%	130%
Bi	1	1907761	0.01	0.01	0.0%	< 0.01				70%	130%
Ca	1	1907761	2.74	2.51	8.8%	0.02	0.62	0.55	113%	80%	120%
Cd	1	1907761	0.03	0.03	0.0%	< 0.01				70%	130%
Ce	1	1907761	12.2	12.4	1.6%	< 0.01				70%	130%
Co	1	1907761	19.8	19.9	0.5%	< 0.1	5	5.0	100%	90%	110%
Cr	1	1907761	39.6	43.7	9.8%	< 0.5				70%	130%
Cs	1	1907761	0.22	0.22	0.0%	< 0.05				70%	130%
Cu	1	1907761	88.0	93.2	5.7%	23.7	4429	4700	94%	90%	110%
Fe	1	1907761	4.00	3.64	9.4%	0.01	1.18	1.55	76%	70%	130%
Ga	1	1907761	8.60	8.60	0.0%	< 0.05				70%	130%
Ge	1	1907761	0.086	0.081	6.0%	< 0.05				70%	130%
Hf	1	1907761	0.11	0.11	0.0%	< 0.02				70%	130%
Hg	1	1907761	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
In	1	1907761	0.0182	0.0190	4.3%	< 0.005				70%	130%
K	1	1907761	0.04	0.04	0.0%	< 0.01				70%	130%
La	1	1907761	5.0	5.0	0.0%	< 0.1				70%	130%
Li	1	1907761	11.8	11.7	0.9%	< 0.1				70%	130%
Mg	1	1907761	1.72	1.56	9.8%	< 0.01				70%	130%
Mn	1	1907761	574	641	11.0%	2				70%	130%
Mo	1	1907761	3.32	3.29	0.9%	< 0.05	264	280	94%	90%	110%

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Na	1	1907761	0.086	0.081	6.0%	0.01				70%	130%
Nb	1	1907761	0.110	0.105	4.7%	< 0.05				70%	130%
Ni	1	1907761	18.5	18.7	1.1%	< 0.2	6	7	89%	80%	120%
P	1	1907761	965	947	1.9%	< 10				70%	130%
Pb	1	1907761	1.4	1.4	0.0%	< 0.1	28	30	95%	90%	110%
Rb	1	1907761	1.0	1.0	0.0%	< 0.1				70%	130%
Re	1	1907761	0.0046	0.0040	14.0%	0.003				70%	130%
S	1	1907761	0.0265	0.0247	7.0%	0.010				70%	130%
Sb	1	1907761	0.30	0.30	0.0%	< 0.05				70%	130%
Sc	1	1907761	8.70	8.63	0.8%	< 0.1				70%	130%
Se	1	1907761	< 0.2	< 0.2	0.0%	< 0.2				70%	130%
Sn	1	1907761	0.2	0.2	0.0%	< 0.2				70%	130%
Sr	1	1907761	160	162	1.2%	< 0.2				70%	130%
Ta	1	1907761	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907761	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Th	1	1907761	0.1	0.1	0.0%	< 0.1				70%	130%
Ti	1	1907761	0.131	0.118	10.4%	< 0.005				70%	130%
Tl	1	1907761	< 0.02	< 0.02	0.0%	< 0.02				70%	130%
U	1	1907761	0.06	0.06	0.0%	< 0.05				70%	130%
V	1	1907761	151	166	9.5%	< 0.5				70%	130%
W	1	1907761	0.09	0.09	0.0%	< 0.05				70%	130%
Y	1	1907761	8.51	8.38	1.5%	< 0.05				70%	130%
Zn	1	1907761	58.4	57.0	2.4%	0.5				70%	130%
Zr	1	1907761	3.16	3.09	2.2%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907786	0.18	0.18	0.0%	< 0.01				70%	130%
Al	1	1907786	3.75	3.95	5.2%	< 0.01				70%	130%
As	1	1907786	0.87	0.83	4.7%	0.2				70%	130%
Au	1	1907786	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	1907786	< 5	< 5	0.0%	< 5				70%	130%
Ba	1	1907786	37	36	2.7%	< 1				70%	130%
Be	1	1907786	0.468	0.506	7.8%	< 0.05				70%	130%
Bi	1	1907786	0.02	0.02	0.0%	< 0.01	2.7	2.73	99%	90%	110%
Ca	1	1907786	4.50	4.77	5.8%	< 0.01				70%	130%
Cd	1	1907786	0.06	0.06	0.0%	< 0.01				70%	130%
Ce	1	1907786	17.6	17.4	1.1%	< 0.01				70%	130%
Co	1	1907786	32.8	33.1	0.9%	< 0.1				70%	130%
Cr	1	1907786	60.7	52.5	14.5%	< 0.5				70%	130%
Cs	1	1907786	0.186	0.185	0.5%	< 0.05				70%	130%
Cu	1	1907786	299	266	11.7%	< 0.1				70%	130%
Fe	1	1907786	4.81	5.33	10.3%	< 0.01				70%	130%
Ga	1	1907786	15.0	14.8	1.3%	< 0.05				70%	130%
Ge	1	1907786	0.064	0.069	7.5%	< 0.05				70%	130%
Hf	1	1907786	0.12	0.12	0.0%	< 0.02				70%	130%

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 10V424510

PROJECT NO:

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Hg	1	1907786	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
In	1	1907786	0.047	0.045	4.3%	< 0.005				70%	130%
K	1	1907786	0.05	0.05	0.0%	< 0.01				70%	130%
La	1	1907786	7.0	6.9	1.4%	< 0.1				70%	130%
Li	1	1907786	36.1	37.0	2.5%	< 0.1				70%	130%
Mg	1	1907786	2.99	3.17	5.8%	< 0.01				70%	130%
Mn	1	1907786	1160	1010	13.8%	2				70%	130%
Mo	1	1907786	0.798	0.720	10.3%	< 0.05				70%	130%
Na	1	1907786	0.10	0.11	9.5%	< 0.01				70%	130%
Nb	1	1907786	0.102	0.094	8.2%	< 0.05				70%	130%
Ni	1	1907786	38.4	38.2	0.5%	< 0.2				70%	130%
P	1	1907786	1180	1190	0.8%	< 10				70%	130%
Pb	1	1907786	1.40	1.33	5.1%	< 0.1	66	58	114%	80%	120%
Rb	1	1907786	1.56	1.51	3.3%	< 0.1				70%	130%
Re	1	1907786	0.0022	0.0027	20.4%	< 0.001				70%	130%
S	1	1907786	0.0603	0.0606	0.5%	< 0.005				70%	130%
Sb	1	1907786	0.13	0.13	0.0%	< 0.05				70%	130%
Sc	1	1907786	17.5	17.4	0.6%	< 0.1				70%	130%
Se	1	1907786	< 0.2	< 0.2	0.0%	< 0.2				70%	130%
Sn	1	1907786	0.4	0.4	0.0%	< 0.2				70%	130%
Sr	1	1907786	182	190	4.3%	< 0.2				70%	130%
Ta	1	1907786	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907786	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Th	1	1907786	0.2	0.2	0.0%	< 0.1				70%	130%
Ti	1	1907786	0.115	0.127	9.9%	< 0.005				70%	130%
Tl	1	1907786	< 0.02	< 0.02	0.0%	< 0.02				70%	130%
U	1	1907786	0.08	0.08	0.0%	< 0.05				70%	130%
V	1	1907786	236	205	14.1%	< 0.5				70%	130%
W	1	1907786	0.06	0.06	0.0%	< 0.05				70%	130%
Y	1	1907786	10.7	10.5	1.9%	< 0.05				70%	130%
Zn	1	1907786	124	123	0.8%	< 0.5				70%	130%
Zr	1	1907786	2.70	2.64	2.2%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907811	0.073	0.080	9.2%	< 0.01	7	7	106%	90%	110%
Al	1	1907811	4.68	4.83	3.2%	0.05				70%	130%
As	1	1907811	1.70	1.87	9.5%	0.3				70%	130%
Au	1	1907811	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	1907811	5	6	18.2%	< 5				70%	130%
Ba	1	1907811	53	51	3.8%	< 1				70%	130%
Be	1	1907811	0.569	0.551	3.2%	< 0.05				70%	130%
Bi	1	1907811	0.03	0.03	0.0%	< 0.01				70%	130%
Ca	1	1907811	4.50	4.66	3.5%	0.04				70%	130%
Cd	1	1907811	0.083	0.091	9.2%	< 0.01				70%	130%

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010

PARAMETER	Batch	REPLICATE Sample Id	Original	Rep #1	RPD	Method Blank	REFERENCE MATERIAL Result Value	Expect Value	Recovery	Acceptable Limits Lower	Upper
Ce	1	1907811	15.1	14.8	2.0%	< 0.01				70%	130%
Co	1	1907811	29.3	29.1	0.7%	< 0.1	5.1	5.0	103%	90%	110%
Cr	1	1907811	34.0	34.5	1.5%	< 0.5				70%	130%
Cs	1	1907811	0.39	0.39	0.0%	< 0.05				70%	130%
Cu	1	1907811	157	157	0.0%	0.3				70%	130%
Fe	1	1907811	4.81	4.82	0.2%	0.08				70%	130%
Ga	1	1907811	14.3	14.1	1.4%	< 0.05				70%	130%
Ge	1	1907811	0.064	0.065	1.6%	0.06				70%	130%
Hf	1	1907811	0.44	0.46	4.4%	< 0.02				70%	130%
Hg	1	1907811	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
In	1	1907811	0.0421	0.0436	3.5%	< 0.005				70%	130%
K	1	1907811	0.08	0.08	0.0%	< 0.01				70%	130%
La	1	1907811	5.9	5.8	1.7%	< 0.1				70%	130%
Li	1	1907811	52.7	51.8	1.7%	< 0.1				70%	130%
Mg	1	1907811	2.60	2.70	3.8%	0.03				70%	130%
Mn	1	1907811	702	692	1.4%	5				70%	130%
Mo	1	1907811	0.390	0.381	2.3%	< 0.05	258	280	92%	90%	110%
Na	1	1907811	0.43	0.43	0.0%	< 0.01				70%	130%
Nb	1	1907811	0.24	0.27	11.8%	< 0.05				70%	130%
Ni	1	1907811	70.9	69.1	2.6%	< 0.2	6	7	87%	80%	120%
P	1	1907811	1440	1410	2.1%	< 10				70%	130%
Pb	1	1907811	1.7	1.7	0.0%	< 0.1	29	30	98%	90%	110%
Rb	1	1907811	3.0	3.0	0.0%	< 0.1				70%	130%
Re	1	1907811	0.0015	0.0013	14.3%	< 0.001				70%	130%
S	1	1907811	0.055	0.058	5.3%	< 0.005				70%	130%
Sb	1	1907811	0.14	0.14	0.0%	< 0.05				70%	130%
Sc	1	1907811	13.8	13.8	0.0%	< 0.1				70%	130%
Se	1	1907811	0.2	0.2	0.0%	< 0.2				70%	130%
Sn	1	1907811	0.6	0.6	0.0%	< 0.2				70%	130%
Sr	1	1907811	568	564	0.7%	0.3	300	390	77%	70%	130%
Ta	1	1907811	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907811	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Th	1	1907811	0.5	0.5	0.0%	< 0.1				70%	130%
Ti	1	1907811	0.344	0.353	2.6%	< 0.005				70%	130%
Tl	1	1907811	0.02	0.02	0.0%	< 0.02				70%	130%
U	1	1907811	0.22	0.22	0.0%	< 0.05				70%	130%
V	1	1907811	180	177	1.7%	0.5				70%	130%
W	1	1907811	0.109	0.146	29.0%	< 0.05				70%	130%
Y	1	1907811	12.0	12.0	0.0%	< 0.05				70%	130%
Zn	1	1907811	65.8	63.9	2.9%	< 0.5				70%	130%
Zr	1	1907811	15.7	16.2	3.1%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907820	0.051	0.056	9.3%	< 0.01				70%	130%
Al	1	1907820	3.80	3.71	2.4%	< 0.01				70%	130%

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CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
As	1	1907820	1.2	1.5	22.2%	< 0.1				70%	130%
Au	1	1907820	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	1907820	< 5	< 5	0.0%	< 5				70%	130%
Ba	1	1907820	53	55	3.7%	< 1				70%	130%
Be	1	1907820	0.560	0.577	3.0%	< 0.05	0.5	0.4	126%	70%	130%
Bi	1	1907820	< 0.01	< 0.01	0.0%	< 0.01	2.73	2.73	100%	90%	110%
Ca	1	1907820	4.17	4.14	0.7%	< 0.01				70%	130%
Cd	1	1907820	0.045	0.052	14.4%	< 0.01				70%	130%
Ce	1	1907820	9.63	9.96	3.4%	< 0.01				70%	130%
Co	1	1907820	17.0	18.0	5.7%	< 0.1				70%	130%
Cr	1	1907820	51.3	48.7	5.2%	< 0.5				70%	130%
Cs	1	1907820	0.263	0.277	5.2%	< 0.05				70%	130%
Cu	1	1907820	132	133	0.8%	< 0.1				70%	130%
Fe	1	1907820	3.61	3.54	2.0%	< 0.01				70%	130%
Ga	1	1907820	12.3	13.0	5.5%	< 0.05				70%	130%
Ge	1	1907820	0.05	0.04	22.2%	< 0.05				70%	130%
Hf	1	1907820	0.09	0.09	0.0%	< 0.02				70%	130%
Hg	1	1907820	0.02	0.02	0.0%	< 0.01				70%	130%
In	1	1907820	0.025	0.027	7.7%	< 0.005				70%	130%
K	1	1907820	0.07	0.07	0.0%	< 0.01				70%	130%
La	1	1907820	3.9	4.0	2.5%	< 0.1				70%	130%
Li	1	1907820	26.8	28.5	6.1%	< 0.1				70%	130%
Mg	1	1907820	1.56	1.53	1.9%	< 0.01				70%	130%
Mn	1	1907820	528	528	0.0%	< 1				70%	130%
Mo	1	1907820	0.43	0.52	18.9%	< 0.05				70%	130%
Na	1	1907820	0.142	0.132	7.3%	< 0.01				70%	130%
Nb	1	1907820	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Ni	1	1907820	18.6	19.4	4.2%	< 0.2				70%	130%
P	1	1907820	950	987	3.8%	< 10	549	600	91%	90%	110%
Pb	1	1907820	1.0	1.0	0.0%	< 0.1	69	58	119%	80%	120%
Rb	1	1907820	2.3	2.5	8.3%	< 0.1				70%	130%
Re	1	1907820	< 0.001	< 0.001	0.0%	< 0.001				70%	130%
S	1	1907820	0.0619	0.0571	8.1%	< 0.005				70%	130%
Sb	1	1907820	0.05	0.11		< 0.05				70%	130%
Sc	1	1907820	9.8	10.0	2.0%	< 0.1				70%	130%
Se	1	1907820	< 0.2	< 0.2	0.0%	< 0.2				70%	130%
Sn	1	1907820	0.3	0.3	0.0%	< 0.2				70%	130%
Sr	1	1907820	223	235	5.2%	< 0.2				70%	130%
Ta	1	1907820	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907820	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Th	1	1907820	< 0.1	< 0.1	0.0%	< 0.1				70%	130%
Ti	1	1907820	0.0878	0.0833	5.3%	< 0.005				70%	130%
Tl	1	1907820	0.04	0.04	0.0%	< 0.02				70%	130%
U	1	1907820	0.13	0.13	0.0%	< 0.05				70%	130%

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CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
V	1	1907820	142	141	0.7%	< 0.5				70%	130%
W	1	1907820	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Y	1	1907820	5.97	6.29	5.2%	< 0.05				70%	130%
Zn	1	1907820	55.8	57.3	2.7%	< 0.5				70%	130%
Zr	1	1907820	1.9	2.0	5.1%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907836	0.22	0.23	4.4%	< 0.01				70%	130%
Al	1	1907836	2.82	3.25	14.2%	< 0.01				70%	130%
As	1	1907836	< 0.1	0.4		< 0.1				70%	130%
Au	1	1907836	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	1907836	< 5	< 5	0.0%	< 5				70%	130%
Ba	1	1907836	51	52	1.9%	< 1				70%	130%
Be	1	1907836	0.492	0.517	5.0%	< 0.05				70%	130%
Bi	1	1907836	0.02	0.02	0.0%	< 0.01				70%	130%
Ca	1	1907836	2.56	2.98	15.2%	< 0.01				70%	130%
Cd	1	1907836	0.07	0.07	0.0%	< 0.01				70%	130%
Ce	1	1907836	18.8	19.2	2.1%	< 0.01				70%	130%
Co	1	1907836	21.7	22.5	3.6%	< 0.1				70%	130%
Cr	1	1907836	43.0	43.9	2.1%	< 0.5				70%	130%
Cs	1	1907836	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Cu	1	1907836	657	657	0.0%	< 0.1				70%	130%
Fe	1	1907836	5.01	5.76	13.9%	< 0.01				70%	130%
Ga	1	1907836	12.4	12.9	4.0%	< 0.05				70%	130%
Ge	1	1907836	0.096	0.089	7.6%	< 0.05				70%	130%
Hf	1	1907836	0.20	0.21	4.9%	< 0.02				70%	130%
Hg	1	1907836	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
In	1	1907836	0.0315	0.0332	5.3%	< 0.005				70%	130%
K	1	1907836	0.05	0.05	0.0%	< 0.01				70%	130%
La	1	1907836	7.7	7.8	1.3%	< 0.1				70%	130%
Li	1	1907836	9.23	9.83	6.3%	< 0.1				70%	130%
Mg	1	1907836	1.16	1.35	15.1%	< 0.01				70%	130%
Mn	1	1907836	431	446	3.4%	< 1				70%	130%
Mo	1	1907836	0.25	0.26	3.9%	< 0.05				70%	130%
Na	1	1907836	0.53	0.61	14.0%	< 0.01				70%	130%
Nb	1	1907836	0.140	0.149	6.2%	< 0.05				70%	130%
Ni	1	1907836	19.7	20.4	3.5%	< 0.2				70%	130%
P	1	1907836	1840	1900	3.2%	< 10				70%	130%
Pb	1	1907836	0.7	0.7	0.0%	< 0.1				70%	130%
Rb	1	1907836	0.4	0.4	0.0%	< 0.1				70%	130%
Re	1	1907836	< 0.001	0.001		< 0.001				70%	130%
S	1	1907836	0.088	0.100	12.8%	< 0.005				70%	130%
Sb	1	1907836	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Sc	1	1907836	10.9	11.4	4.5%	< 0.1				70%	130%
Se	1	1907836	0.2	0.2	0.0%	< 0.2				70%	130%

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CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Sn	1	1907836	0.3	0.3	0.0%	< 0.2				70%	130%
Sr	1	1907836	444	460	3.5%	< 0.2				70%	130%
Ta	1	1907836	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907836	0.01	0.01	0.0%	< 0.01				70%	130%
Th	1	1907836	0.1	0.1	0.0%	< 0.1				70%	130%
Ti	1	1907836	0.173	0.198	13.5%	< 0.005				70%	130%
Tl	1	1907836	< 0.02	< 0.02	0.0%	< 0.02				70%	130%
U	1	1907836	0.06	0.06	0.0%	< 0.05				70%	130%
V	1	1907836	267	274	2.6%	< 0.5				70%	130%
W	1	1907836	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Y	1	1907836	9.24	9.60	3.8%	< 0.05				70%	130%
Zn	1	1907836	51.2	53.5	4.4%	< 0.5				70%	130%
Zr	1	1907836	5.24	5.51	5.0%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907861	0.07	0.07	0.0%	< 0.01				70%	130%
Al	1	1907861	2.29	2.36	3.0%	< 0.01				70%	130%
As	1	1907861	0.7	0.9	25.0%	< 0.1				70%	130%
Au	1	1907861	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	1907861	< 5	< 5	0.0%	< 5				70%	130%
Ba	1	1907861	31	32	3.2%	< 1				70%	130%
Be	1	1907861	0.52	0.54	3.8%	< 0.05				70%	130%
Bi	1	1907861	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Ca	1	1907861	2.07	2.14	3.3%	< 0.01				70%	130%
Cd	1	1907861	0.04	0.04	0.0%	< 0.01				70%	130%
Ce	1	1907861	8.81	8.92	1.2%	< 0.01				70%	130%
Co	1	1907861	19.6	19.8	1.0%	< 0.1				70%	130%
Cr	1	1907861	28.2	32.8	15.1%	< 0.5				70%	130%
Cs	1	1907861	0.272	0.275	1.1%	< 0.05				70%	130%
Cu	1	1907861	171	197	14.1%	< 0.1				70%	130%
Fe	1	1907861	4.56	4.53	0.7%	< 0.01				70%	130%
Ga	1	1907861	10.5	10.9	3.7%	< 0.05				70%	130%
Ge	1	1907861	0.09	0.08	11.8%	< 0.05				70%	130%
Hf	1	1907861	0.15	0.14	6.9%	< 0.02				70%	130%
Hg	1	1907861	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
In	1	1907861	0.0173	0.0179	3.4%	< 0.005				70%	130%
K	1	1907861	0.04	0.04	0.0%	< 0.01				70%	130%
La	1	1907861	3.35	3.40	1.5%	< 0.1				70%	130%
Li	1	1907861	24.3	24.2	0.4%	< 0.1				70%	130%
Mg	1	1907861	1.32	1.34	1.5%	< 0.01				70%	130%
Mn	1	1907861	367	436	17.2%	< 1				70%	130%
Mo	1	1907861	0.26	0.26	0.0%	< 0.05				70%	130%
Na	1	1907861	0.27	0.28	3.6%	< 0.01				70%	130%
Nb	1	1907861	0.084	0.087	3.5%	< 0.05				70%	130%

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.
AGAT WORK ORDER: 10V424510
PROJECT NO:
ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Ni	1	1907861	16.0	16.2	1.2%	< 0.2				70%	130%
P	1	1907861	1930	1930	0.0%	< 10				70%	130%
Pb	1	1907861	0.5	0.5	0.0%	< 0.1				70%	130%
Rb	1	1907861	1.09	1.17	7.1%	< 0.1				70%	130%
Re	1	1907861	< 0.001	< 0.001	0.0%	< 0.001				70%	130%
S	1	1907861	0.0360	0.0342	5.1%	< 0.005				70%	130%
Sb	1	1907861	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Sc	1	1907861	9.3	9.8	5.2%	< 0.1				70%	130%
Se	1	1907861	< 0.2	< 0.2	0.0%	< 0.2				70%	130%
Sn	1	1907861	0.2	0.2	0.0%	< 0.2				70%	130%
Sr	1	1907861	236	253	7.0%	< 0.2				70%	130%
Ta	1	1907861	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907861	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Th	1	1907861	0.1	0.1	0.0%	< 0.1				70%	130%
Ti	1	1907861	0.137	0.145	5.7%	< 0.005				70%	130%
Tl	1	1907861	< 0.02	< 0.02	0.0%	< 0.02				70%	130%
U	1	1907861	0.14	0.14	0.0%	< 0.05				70%	130%
V	1	1907861	171	200	15.6%	< 0.5				70%	130%
W	1	1907861	0.052	0.043	18.9%	< 0.05				70%	130%
Y	1	1907861	5.23	5.47	4.5%	< 0.05				70%	130%
Zn	1	1907861	52.8	54.0	2.2%	< 0.5				70%	130%
Zr	1	1907861	3.86	3.82	1.0%	< 0.5				70%	130%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)											
Ag	1	1907872	0.06	0.06	0.0%	< 0.01				70%	130%
Al	1	1907872	3.02	3.45	13.3%	< 0.01				70%	130%
As	1	1907872	1.1	0.9	20.0%	< 0.1				70%	130%
Au	1	1907872	< 0.01	0.01		< 0.01				80%	120%
B	1	1907872	6	6	0.0%	< 5				70%	130%
Ba	1	1907872	40	39	2.5%	< 1				70%	130%
Be	1	1907872	0.875	0.873	0.2%	< 0.05				70%	130%
Bi	1	1907872	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Ca	1	1907872	2.60	2.97	13.3%	< 0.01				70%	130%
Cd	1	1907872	0.043	0.051	17.0%	< 0.01				70%	130%
Ce	1	1907872	8.37	8.31	0.7%	< 0.01				70%	130%
Co	1	1907872	24.6	24.2	1.6%	< 0.1				70%	130%
Cr	1	1907872	32.4	35.5	9.1%	< 0.5				70%	130%
Cs	1	1907872	0.15	0.15	0.0%	< 0.05				70%	130%
Cu	1	1907872	179	190	6.0%	< 0.1				70%	130%
Fe	1	1907872	4.54	5.05	10.6%	< 0.01				70%	130%
Ga	1	1907872	13.3	13.6	2.2%	< 0.05				70%	130%
Ge	1	1907872	0.10	0.09	10.5%	< 0.05				70%	130%
Hf	1	1907872	0.27	0.25	7.7%	< 0.02				70%	130%
Hg	1	1907872	< 0.01	< 0.01	0.0%	< 0.01				70%	130%

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Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 10V424510

PROJECT NO:

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)

RPT Date: Aug 05, 2010		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
In	1	1907872	0.0234	0.0252	7.4%	< 0.005				70%	130%
K	1	1907872	0.064	0.071	10.4%	< 0.01				70%	130%
La	1	1907872	3.1	3.1	0.0%	< 0.1				70%	130%
Li	1	1907872	41.0	40.6	1.0%	< 0.1				70%	130%
Mg	1	1907872	1.63	1.84	12.1%	< 0.01				70%	130%
Mn	1	1907872	466	472	1.3%	< 1				70%	130%
Mo	1	1907872	0.22	0.22	0.0%	< 0.05				70%	130%
Na	1	1907872	0.271	0.288	6.1%	< 0.01				70%	130%
Nb	1	1907872	0.14	0.13	7.4%	< 0.05				70%	130%
Ni	1	1907872	21.3	19.8	7.3%	< 0.2				70%	130%
P	1	1907872	1830	1830	0.0%	< 10				70%	130%
Pb	1	1907872	0.54	0.69	24.4%	< 0.1				70%	130%
Rb	1	1907872	2.1	2.1	0.0%	< 0.1				70%	130%
Re	1	1907872	< 0.001	< 0.001	0.0%	< 0.001				70%	130%
S	1	1907872	0.0517	0.0465	10.6%	< 0.005				70%	130%
Sb	1	1907872	0.065	0.066	1.5%	< 0.05				70%	130%
Sc	1	1907872	13.5	12.7	6.1%	< 0.1				70%	130%
Se	1	1907872	0.2	0.2	0.0%	< 0.2				70%	130%
Sn	1	1907872	0.3	0.3	0.0%	< 0.2				70%	130%
Sr	1	1907872	293	298	1.7%	< 0.2				70%	130%
Ta	1	1907872	< 0.01	< 0.01	0.0%	< 0.01				70%	130%
Te	1	1907872	< 0.01	0.01		< 0.01				70%	130%
Th	1	1907872	0.1	0.1	0.0%	< 0.1				70%	130%
Ti	1	1907872	0.200	0.222	10.4%	< 0.005				70%	130%
Tl	1	1907872	< 0.02	< 0.02	0.0%	< 0.02				70%	130%
U	1	1907872	0.09	0.09	0.0%	< 0.05				70%	130%
V	1	1907872	197	209	5.9%	< 0.5				70%	130%
W	1	1907872	< 0.05	< 0.05	0.0%	< 0.05				70%	130%
Y	1	1907872	6.43	6.51	1.2%	< 0.05				70%	130%
Zn	1	1907872	64.4	63.9	0.8%	< 0.5				70%	130%
Zr	1	1907872	7.0	6.9	1.4%	< 0.5				70%	130%

Certified By: Ron Cardinall

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Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 10V424510

PROJECT NO:

ATTENTION TO: DAVID BLANN

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight			BALANCE
Ag	MIN-200-12017		ICP-MS
Al	MIN-200-12017		ICP/OES
As	MIN-200-12017		ICP-MS
Au	MIN-200-12017		ICP-MS
B	MIN-200-12017		ICP/OES
Ba	MIN-200-12017		ICP-MS
Be	MIN-200-12017		ICP-MS
Bi	MIN-200-12017		ICP-MS
Ca	MIN-200-12017		ICP/OES
Cd	MIN-200-12017		ICP-MS
Ce	MIN-200-12017		ICP-MS
Co	MIN-200-12017		ICP-MS
Cr	MIN-200-12017		ICP/OES
Cs	MIN-200-12017		ICP-MS
Cu	MIN-200-12017		ICP-MS
Fe	MIN-200-12017		ICP/OES
Ga	MIN-200-12017		ICP-MS
Ge	MIN-200-12017		ICP-MS
Hf	MIN-200-12017		ICP-MS
Hg	MIN-200-12017		ICP-MS
In	MIN-200-12017		ICP-MS
K	MIN-200-12017		ICP/OES
La	MIN-200-12017		ICP-MS
Li	MIN-200-12017		ICP-MS
Mg	MIN-200-12017		ICP/OES
Mn	MIN-200-12017		ICP/OES
Mo	MIN-200-12017		ICP-MS
Na	MIN-200-12017		ICP/OES
Nb	MIN-200-12017		ICP-MS
Ni	MIN-200-12017		ICP-MS
P	MIN-200-12017		ICP/OES
Pb	MIN-200-12017		ICP-MS
Rb	MIN-200-12017		ICP-MS
Re	MIN-200-12017		ICP-MS
S	MIN-200-12017		ICP/OES
Sb	MIN-200-12017		ICP-MS
Sc	MIN-200-12017		ICP-MS
Se	MIN-200-12017		ICP-MS
Sn	MIN-200-12017		ICP-MS
Sr	MIN-200-12017		ICP-MS
Ta	MIN-200-12017		ICP-MS
Te	MIN-200-12017		ICP-MS
Th	MIN-200-12017		ICP-MS
Ti	MIN-200-12017		ICP/OES
Tl	MIN-200-12017		ICP-MS
U	MIN-200-12017		ICP-MS
V	MIN-200-12017		ICP/OES
W	MIN-200-12017		ICP-MS

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Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 10V424510

PROJECT NO:

ATTENTION TO: DAVID BLANN

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Y	MIN-200-12017		ICP-MS
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS

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Certificate of Analysis

AGAT WORK ORDER: 10V423486
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Jul 30, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Jul 30, 2010 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5279960	1.28	0.08	2.04	1.0	<0.01	<5	36	0.23	0.03	3.10	0.05	19.4	12.6	116
5279961	1.91	0.17	1.92	0.7	0.01	<5	50	0.25	0.07	2.02	0.04	20.4	16.2	104
5279962	2.35	0.84	2.30	0.4	<0.01	<5	50	0.18	0.06	2.32	0.14	21.9	20.9	114
5279963	1.82	0.40	2.07	0.3	<0.01	<5	41	0.18	0.07	4.71	0.07	17.2	15.3	93.8
5279964	1.25	0.23	0.97	8.8	<0.01	<5	9	0.07	0.09	29.3	0.27	22.5	7.5	25.9
5279965	2.03	0.35	1.92	9.4	0.01	<5	21	0.14	0.18	19.5	0.12	13.4	14.2	56.9
5279966	1.53	0.07	2.26	1.5	<0.01	<5	41	0.26	0.02	2.94	0.04	21.1	19.7	87.6
5279967	0.99	0.06	1.87	5.0	<0.01	<5	156	0.22	0.03	10.1	0.06	13.7	14.3	105
5279968	1.07	0.15	2.77	1.5	<0.01	<5	17	0.18	<0.01	2.43	0.05	7.21	13.1	132
5279969	1.16	1.39	3.21	1.4	<0.01	<5	23	0.11	0.02	1.02	0.09	12.5	33.2	77.2
5279970	0.92	0.52	2.44	1.2	0.01	<5	88	0.16	0.61	1.00	0.10	17.0	28.8	124
5279971	0.95	0.21	1.95	1.5	<0.01	<5	86	0.19	0.03	1.11	0.05	17.7	20.1	94.7
5279972	0.70	0.16	1.86	1.4	<0.01	<5	284	0.12	0.02	0.99	0.03	16.6	19.5	134
5279973	1.07	0.56	2.13	2.0	0.01	<5	74	0.18	0.02	1.13	0.06	15.8	24.3	117
5279974	1.20	0.65	0.51	1.7	<0.01	<5	26	0.07	<0.01	0.10	0.06	4.53	4.2	219
5279975	1.55	0.97	2.61	1.8	<0.01	<5	35	0.11	0.02	0.58	0.06	9.64	30.5	64.5
5279976	2.44	0.54	1.38	0.7	<0.01	<5	35	0.12	0.42	0.84	0.09	11.3	12.3	192
5279977	3.61	0.81	1.48	4.4	0.08	<5	71	0.20	0.35	0.29	0.12	15.5	8.0	201
5279978	1.06	10.4	0.25	1.1	0.12	<5	18	<0.05	32.3	0.03	0.04	1.26	0.8	276
5279979	.065	0.08	4.17	1.2	<0.01	<5	58	0.40	0.10	3.23	0.04	15.7	14.4	75.6
5279980	2.60	0.05	1.52	4.1	<0.01	<5	148	0.24	0.03	3.83	0.05	18.4	17.1	124

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 10V423486
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Jul 30, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Jul 30, 2010 | SAMPLE TYPE: Rock

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5279960	0.38	154	3.19	6.90	0.15	0.11	<0.01	0.025	0.17	8.6	9.8	1.33	733	1.02
5279961	0.43	280	3.51	7.14	0.14	0.14	<0.01	0.028	0.26	9.0	11.7	1.51	678	1.14
5279962	0.72	3980	4.14	7.60	0.13	0.08	<0.01	0.050	0.37	9.9	14.6	1.75	718	1.90
5279963	0.67	1950	3.22	6.16	0.11	0.06	<0.01	0.041	0.39	7.1	13.6	1.49	730	1.35
5279964	0.16	776	2.66	3.58	<0.05	<0.02	<0.01	0.111	0.05	10.6	11.4	0.83	2720	7.05
5279965	0.42	1120	3.41	6.09	<0.05	0.03	0.01	0.052	0.24	6.1	14.6	1.57	1920	8.31
5279966	0.49	198	3.88	8.37	0.18	0.20	<0.01	0.032	0.26	9.4	12.1	1.82	927	0.97
5279967	3.27	184	2.86	5.68	0.07	0.04	<0.01	0.022	0.32	5.6	4.5	0.76	673	1.71
5279968	0.23	9050	3.04	8.11	0.23	0.20	<0.01	0.032	0.07	2.9	5.1	1.29	405	1.63
5279969	0.17	12200	6.98	12.2	0.23	0.10	0.02	0.040	0.12	4.1	7.4	2.60	657	3.31
5279970	0.97	3520	6.97	9.36	0.23	0.12	<0.01	0.040	0.17	6.7	19.6	2.17	458	2.88
5279971	0.33	3400	4.20	6.69	0.17	0.13	<0.01	0.023	0.22	7.4	6.7	1.69	632	1.15
5279972	0.76	2760	4.22	6.31	0.18	0.11	<0.01	0.023	0.63	6.8	5.7	1.41	524	1.76
5279973	0.28	7540	4.03	7.42	0.18	0.12	0.01	0.033	0.19	6.2	6.3	1.87	528	1.63
5279974	0.19	7270	1.54	1.89	0.13	0.08	<0.01	0.121	0.11	2.5	1.2	0.25	90	13.7
5279975	0.22	5400	4.82	10.2	0.18	0.11	<0.01	0.046	0.15	4.2	10.6	2.15	799	3.45
5279976	0.94	3880	2.30	4.51	0.12	0.04	<0.01	0.040	0.33	4.9	6.3	0.91	290	50.3
5279977	1.43	10700	3.77	4.68	0.15	0.05	0.04	0.079	0.35	7.4	4.2	0.85	1670	4.25
5279978	0.16	28200	5.73	0.58	0.16	<0.02	0.45	0.072	0.15	0.6	0.2	0.06	58	10.2
5279979	1.04	154	3.18	11.5	0.17	0.09	<0.01	0.017	0.28	6.6	6.8	1.38	669	0.91
5279980	3.54	216	3.65	5.64	0.15	0.10	<0.01	0.036	0.36	7.0	3.8	0.71	780	1.83

Certified By: Ron Cardinall

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 10V423486
PROJECT NO:

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074) (Happy Creek)

DATE SAMPLED: Jul 30, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Jul 30, 2010 | SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5279960	0.07	0.22	18.8	523	11.2	6.5	<0.001	0.054	0.15	7.7	<0.2	0.5	151	<0.01
5279961	0.10	0.22	21.7	490	4.2	9.6	<0.001	0.038	0.10	8.2	<0.2	0.5	46.5	<0.01
5279962	0.07	0.09	18.2	557	4.2	13.6	<0.001	0.209	0.10	7.8	<0.2	0.3	38.2	<0.01
5279963	0.04	0.07	14.1	463	2.6	14.3	<0.001	0.160	0.08	4.9	<0.2	<0.2	36.7	<0.01
5279964	<0.01	0.11	5.5	43	5.8	1.6	0.001	0.503	0.08	1.6	0.4	<0.2	305	<0.01
5279965	0.02	0.10	12.1	232	2.5	9.1	0.001	0.358	0.12	3.3	<0.2	<0.2	103	<0.01
5279966	0.07	0.23	20.0	533	3.8	11.0	<0.001	0.053	0.14	10.4	0.3	0.6	55.7	<0.01
5279967	0.08	0.26	20.4	400	2.4	9.9	<0.001	0.159	0.10	6.8	0.2	0.3	190	<0.01
5279968	0.07	0.27	19.1	568	1.7	2.4	<0.001	0.048	0.34	7.6	<0.2	0.4	335	<0.01
5279969	0.07	0.36	19.3	480	2.1	4.7	<0.001	0.353	0.20	8.0	0.5	0.6	148	<0.01
5279970	0.25	0.22	21.3	476	3.2	6.2	0.001	0.068	0.35	12.3	0.4	0.6	81.9	<0.01
5279971	0.11	0.33	18.5	498	1.8	7.2	<0.001	0.095	0.09	8.0	0.3	0.6	55.1	<0.01
5279972	0.22	0.34	18.2	513	1.3	21.2	0.001	0.045	0.10	6.0	0.2	0.6	64.0	<0.01
5279973	0.10	0.55	19.1	481	2.4	6.8	<0.001	0.169	0.15	8.1	0.5	0.5	102	<0.01
5279974	0.07	0.06	7.6	55	1.2	3.5	<0.001	0.240	0.11	1.3	<0.2	<0.2	22.2	<0.01
5279975	0.09	0.13	24.4	397	1.6	5.5	<0.001	0.055	0.10	7.3	<0.2	0.2	61.5	<0.01
5279976	0.04	0.16	12.8	359	3.5	15.5	0.002	0.167	0.12	3.6	0.3	0.2	14.2	<0.01
5279977	<0.01	0.09	12.5	267	4.3	10.5	0.002	0.126	0.36	3.6	<0.2	0.2	8.8	<0.01
5279978	<0.01	0.12	5.6	75	2.0	4.1	<0.001	0.875	0.18	0.5	0.4	<0.2	2.2	<0.01
5279979	0.04	0.12	18.2	439	3.6	6.3	<0.001	0.051	0.18	5.5	<0.2	0.4	204	<0.01
5279980	0.06	0.16	22.7	477	2.2	11.2	<0.001	0.060	0.10	11.6	<0.2	0.5	72.5	<0.01

Certified By: Ron Cardinall

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 10V423486
PROJECT NO:

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DATE SAMPLED: Jul 30, 2010 | DATE RECEIVED: Jul 30, 2010 | DATE REPORTED: Jul 30, 2010 | SAMPLE TYPE: Rock

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5
5279960	<0.01	2.6	0.197	0.03	0.92	114	0.05	7.41	40.9	1.5
5279961	<0.01	4.2	0.181	0.04	1.64	122	0.07	9.03	43.1	2.5
5279962	0.21	2.8	0.044	0.06	1.42	117	0.10	10.3	48.9	1.1
5279963	0.06	2.4	0.009	0.06	0.85	65.0	0.09	8.44	37.5	1.0
5279964	0.06	0.3	<0.005	<0.02	0.12	32.8	0.92	16.1	15.3	<0.5
5279965	0.12	1.7	0.010	0.04	0.77	62.8	0.34	7.91	32.7	<0.5
5279966	<0.01	3.5	0.265	0.05	1.19	133	0.12	12.5	60.6	3.1
5279967	<0.01	2.0	0.075	0.06	2.36	110	0.38	6.92	38.8	1.0
5279968	0.03	0.6	0.239	<0.02	1.30	124	0.88	6.16	18.5	3.9
5279969	0.22	1.8	0.259	<0.02	2.90	147	1.03	9.99	51.6	1.9
5279970	<0.01	2.5	0.257	0.04	1.20	219	0.98	11.2	33.2	2.1
5279971	<0.01	2.7	0.366	0.03	1.03	166	0.57	8.65	47.7	2.1
5279972	<0.01	2.5	0.385	0.07	1.02	176	0.81	7.40	44.3	2.0
5279973	0.24	2.4	0.332	0.03	1.08	131	0.50	7.80	46.8	2.0
5279974	0.22	3.2	0.009	<0.02	2.47	18.4	0.37	0.63	7.6	2.3
5279975	0.04	1.6	0.077	0.02	1.73	128	0.19	4.55	69.2	2.5
5279976	0.17	1.1	0.049	0.05	0.71	47.1	0.30	7.46	43.7	0.9
5279977	0.93	1.6	0.008	0.05	1.52	89.4	1.38	8.31	22.2	2.0
5279978	31.8	0.3	<0.005	<0.02	4.55	17.9	0.19	0.69	1.8	<0.5
5279979	0.15	3.6	0.273	0.02	0.98	121	0.33	6.24	46.5	1.6
5279980	<0.01	2.4	0.100	0.06	1.15	142	0.64	10.3	49.1	1.7

Comments: RDL - Reported Detection Limit

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