GEOCHEMICAL AND GEOPHYSICAL SURVEY AND DIAMOND DRILLING REPORT

ON THE

HAWK PROPERTY
(SOW EVENT 4186643)
Minfile 092P.155

CLINTON MINING DIVISION

NTS 092P/086

Prepared for

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SUMMARY

The Hawk property is located approximately 35.8 kilometers northeast of 100 Mile House, and 24 kilometres south of the Boss Mountain Molybdenum mine, in the south Cariboo, British Columbia, Canada. The property comprises 19 mineral claims totaling approximately 1,976 hectares, with access gained via logging roads.

The property is underlain by the breccia subunit of the volcaniclastic succession of the Nicola Group, Upper Triassic-Lower Jurassic in age. Basalt, volcanic breccia, volcanic and calcareous sediment and limestone are cut by a small plug of gabbro to diorite composition, and dikes of basalt, monzodiorite to diorite and locally quartz latite to rhyolite composition. These rocks occur in generally north trending contact with monzodiorite of the Iron Lake magmatic complex and granodiorite to monzogranite of the Takomkane batholith to the east and west, respectively.

Alteration is comprised of wide spread and pervasive hornfels with biotite, pyroxene, chlorite, epidote, amphibole-actinolite, magnetite, and locally k-feldspar, sericite, and carbonate. Open-space fractures are filled by variable concentrations of quartz, k-feldspar, epidote, calcite, bornite, chalcocite, chalcopyrite and pyrite. In several areas, similar minerals occur within amygules of massive basalt.

Historical exploration focused on the western side of the property where several showings and soil geochemical and induced polarization survey anomalies were tested by drilling. The main Knob zone (historically the "Clay" prospect Minfile 092P.155) contains 0.88% copper and 1.07 g/t gold across 5.0 metres and float samples to 4.5% copper, 18.0 g/t gold. The Northeast zone returned subcrop containing 2.49% copper, 3.06 g/t gold, 25.7 ppm silver in a grab sample. Drilling intersected 3.0 metres grading 0.79% copper, 1.73 g/t gold and 9.43g/t silver in hole 82-4, and 1.83 metres containing 0.93% copper, 3.1 g/t gold and 12.34 g/t silver, in hole 82-5. Approximately 700 metres north of the Knob zone, angular rubble returned 1.2% copper and 1.3 g\t gold. Approximately 400-600 metres southwest material grading up to 2.17% copper and 5.35 g/t gold, and 0.528% copper and 2.55 g/t gold occurs.

Exploration by Happy Creek Minerals in 2007 focused on extending historical surveys to the southeast and covered a portion of positive radiometric and magnetic anomalies identified by a 2005 low level airborne geophysical survey. Work in 2007 consisted of 32 surface rock samples, 20.2 km of geochemical grid and 452 soil samples, geological outcrop mapping, 17.2 kilometres of cut and chained grid and a 3D induced polarization geophysical survey. Diamond drilling of three holes totaling 379.15 metres of NQ core was completed in November 2007.

Results from 2007 rock sampling include 2.1% copper, 2.38 g/t gold and 17.0 g/t silver from sub angular float, and 0.39% copper, 1.31 g/t gold and 12.0 g/t silver from a partially exposed quartz vein. Recent and historical rock sampling together have identified widespread and significant values of copper, gold and silver in rocks over 3.5 kilometres by 1.5 kilometres in dimension. Soil sampling in 2007 identified several linear and northwest to northeast trending copper anomalies with maximum values of 700 ppm copper and 530 ppb gold. Gold in soil anomalies occur in the southwest and northwest portions of the survey, and zinc values appear elevated on the southeast and northwest sides of the survey area. The 3D induced polarization survey has identified a moderate to strong anomaly approximately 1.6 kilometres in length and 600 metres in width. The anomaly appears to occur on surface along the southeastern side of the survey and trends at depth to the northwest, beneath an outcropping, massive basalt. Diamond drilling in November of 2007 was hampered by field conditions and difficulty in moving the drill to selected sites. Drill sites had to be relocated to existing roads or landings that were closer to water for drilling. Hole # 07H-1 was located on the northwestern edge of the IP anomaly and was drilled vertically to a total depth of 121.3 metres. The hole intersected strongly broken and faulted and chlorite-epidote altered volcanic rocks containing minor trace pyrite and bornite locally. The hole was abandoned prior to reaching the desired depth due to rods becoming stuck three times. Holes 07H-02 (154.8 metres) and 07H-03 (103.2 metres) were drilled in the southwest corner of the 2007 IP grid and intersected moderate to strongly broken volcanic rocks that are moderately chlorite epidote altered, and contain trace pyrite, chalcopyrite and bornite locally. Hole 07H-03 was abandoned in a strongly clay altered fault zone. Hole 07H-03 was logged and sampled in it's entirety returning low copper and gold values.

It is considered possible that copper-gold mineralization occurs within a favorable volcanic-intrusive hydrothermal breccia located beneath a massive basalt "cap" and is reflected in the positive chargeability anomaly at depth. Drilling of hole 07H-1 located at the western edge of this anomaly, did not reach the planned depth to intersect this zone, however, the presence of trace bornite, chalcopyrite in the hole, along with the other significant surface sample results is felt encouraging.

The Hawk property is underlain by geology, structure, alteration and mineralization consistent with an alkaline intrusion related copper-gold-silver porphyry or skarn system. It is recommended that expanding the IP geophysical and geochemical surveys to the southwest and detailed property-wide geological mapping be performed at a cost of $150,000. A diamond drill program of a minimum 5 holes totaling 1500 metres will be required to test the existing IP anomaly at a cost of approximately $300,000.

1. Location and Access

The Hawk property is located approximately 35.8 kilometers northeast of 100 Mile House, and 24 kilometres south of the Boss Mountain Molybdenum mine, in the south Cariboo, British Columbia, Canada (Figure 1). Access from 100 Mile house is via the Canim-Hendrix road which leaves highway 97 about 2 kilometers north of the town. This road is taken northeasterly approximately 50 kilometers to the westerly trending Eagle Creek road. This is followed about 3.5 kilometers to the Schoolhouse Lake forestry road. The Schoolhouse road heads abruptly upwards 300 meters in elevation through eight switch-backs in the first two kilometers, and the user is well advised to read and obey the signs posted at the bottom. The Hawk property is accessed via the Schoolhouse logging road approximately 4.3 kilometers northerly to a junction. The north trending fork is taken approximately 1 kilometer to a cross-cutting cat road. The western side of the property borders the Schoolhouse Lake Provincial Park.

2. Physiography and Infrastructure

The property lies at the transition between the Interior Wet Belt and Interior Dry Belt biogeoclimatic zones and within the Quesnel highlands physiographic region. Elevations range from 800 to 1200 meters, with much of the property situated on a broad, undulating plateau between 1100-1180 meters elevation. Extensive logging is on-going, reflecting severe Mountain Pine Beetle infestations, and provides better access throughout the property. The remaining forest covered areas are a mixture of mature and juvenile stands of lodgepole pine, douglas fir, paper birch, and aspen. The wetter areas support western red cedar and white spruce. Alder, willows, wild rose and thimble berry are the dominant ground cover. Several small swamps and water courses provide ample water for exploration purposes. The field exploration season is relatively long and can usually begin by mid-April and last until early December. Machine work and diamond drilling may be carried out year-round.

3. Claim Status

The Hawk property consists of eight legacy two-post mineral claims and eight cell claims totaling approximately 1377.6 hectares in area. These claims are registered in the name

Happy Creek Minerals Ltd. (Figure 2, Table 1). Happy Creek Minerals Ltd also has an option agreement with owner Alan Harvey, of Clinton, B.C. to earn up to 100% interest in three claims called the Grey property, totaling 598.8 hectares in area, that adjoin the Hawk property to the south.

4. History

The Knob prospect was first discovered by Alfred and Clay Robinson who located the Clay 1-8 mineral claims in 1978. In 1979, Boville Resources Ltd performed soil geochemical, VLF-EM and Max-Mine geophysical surveys (White, 1979), returning conductors and copper in soil anomalies (gold not assayed).

In September, 1981, soil geochemistry, geology, rock sampling, geophysical surveys, and physical work was completed in proximity to the Clay (Knob) showing on behalf of Alclare Resources Inc. (Botel and Warner, 1982). This was followed by diamond drilling of 424 metres in 11 BQ size holes in and around the showing (Botel, 1983). Results for holes 1-6 were filed for assessment. Results include 4.57 metres containing 0.13% copper and 0.43 g/t gold in hole 82-3, 3.0 metres grading 0.79% copper, 1.73 g/t gold and 9.43g/t silver in hole 82-4, 1.83 metres containing 0.93% copper, 3.1 g/t gold and 12.34 g/t silver, including 0.64 metres grading 2.19% copper, 6.14 g/t gold and 28.11g/t silver in hole 82-5. Less than 10% of the core was split for sampling, although drill logs indicate zones of disseminated magnetite, hematite and locally malachite that were not sampled.

Between 1984 and 1986, Noranda Exploration Company Limited optioned the property and performed grids followed by geology, soil, rock geochemical surveys, magnetic and induced polarization geophysical surveys, trenching/test pit, and diamond drilling of 4 holes (Baerg, 1985). Soil geochemistry identified several sub-parallel and north-northeast trending copper in soil anomalies over approximately 1.2 kilometres. A zone of greater than 25 ppb gold also occurs mostly in proximity with the Knob prospect, however, anomalies to the east, south and north occur. Two of three pits/trenches did not reach bedrock and returned 40 ppb gold, 800 ppm copper in float, and 270 ppm copper in soil, respectively, and one trench returned up to 70 ppb gold and 820 ppm copper in bedrock. Diamond drilling of 397 metres in four wide-spaced holes located south of the 1982 drilling was completed (Baerg, 1985). Results include 19.66 metres containing 1190 ppm copper, 233 ppb gold and 1.92 ppm silver, including 4.5 metres containing 2700 ppm copper, 420 ppb gold and 4.2 ppm silver and anomalous gold values occur to the end of hole 85-3 at 132.28 metres. Approximately 200 metres south, hole 85-4 intersected up to 640 ppb gold, and increasing pyrite, hematite in fractures and quartz-calcite veins to the end of the hole, however copper was not assayed for in this hole, or in 85-2. Noranda returned in 1986 and extended the soil grid to the south (Warner, 1986)

In 1988 Sheba Copper Mines Ltd optioned the property and contracted R.E. Gale to examine the property and make recommendations for further work. His report states *"Noranda's work included geochemical, magnetic and IP surveys and pointed up at least 3 areas near the Knob showing, not tested by them, that deserve further investigation. Also, the remainder of the property outside of the Knob showing has had little exploration and should be geologically mapped to seek new showings."* (Gale, 1988).

In 1990, Princeton Mining Corporation optioned the property, extended Noranda's grid to the north and south and conducted soil sampling and geological mapping (Bishop, 1990). This work defined the northerly limits of copper soil anomalies depicted by Noranda, and identified copper in soil anomalies several hundred metres further south. Rock sampling of one surface exposure returned 1.0 metres containing 34,924 ppm copper, 7297 ppb gold and 46.5 ppm silver.

In April 1994, Pioneer Metals Corporation entered into an agreement with Alf Robinson, and conducted a focused soil sampling survey on one of the copper soil anomalies located previously on the Clay and Hawk claims. The Clay property was returned later that year (Ridley and Dunn, 1994a and b).

On October 24, 1994 the BC government announced its decision for a land-use plan for the Cariboo-Chilcotin region which resulted in the establishment of Schoolhouse Lake Provincial Park in early 1995. Government policy was initially in favour of paying fair compensation for mineral tenures affected by this decision. In January 1995 the Provincial Government adjusted the Park boundary around existing tenures, unfortunately Alf Robinson's claims were not plotted correctly on the government map, and no communication with the government took place to correct this prior to the implementation of the Park boundary. Mr. Alf Robinson maintained the property in good standing until his death in 1999.

The present property was acquired by staking in April, 2004 and prospecting and rock sampling was performed (Blann and Ridley, 2005). Recent logging activity assisted in locating several new areas of mineralization and associated copper, gold and silver values. In 2005, Happy Creek Minerals acquired a 100% interest in the Hawk property, and collected an additional 17 rock samples returning up to 2.17% copper, 5.35 g/t gold and 0.528% copper, 2.55 g/t gold (Blann and Ridley 2006). An NI43-101 report was prepared in August 2006 by Greg Thomson, P.Geo in connection with listing requirements of the TSX Venture Exchange (Thomson, 2006).

In early 2007, Happy Creek Minerals Ltd optioned the adjacent Grey property owned by Alan Harvey of Clinton B.C. Exploration comprised of prospecting, geochemical grid and soil sampling, line cutting, an induced polarization survey and three short reconnaissance diamond drill holes were completed and is the subject of this report.

5. Regional Geology

The Hawk property is located near the eastern side of Quesnel Terrane, in the South Cariboo, British Columbia (Figure 3) (Schiarizza and Boulton, 2006). The area is underlain dominantly by sedimentary and volcanic rocks of the Middle to Upper Triassic Nicola Group and Late Triassic to Early Jurassic Ultramafic to granodiorite plutonic rocks, and form part of the Quesnel magmatic arc. The oldest rocks occur east of the property where the Snowshoe Group, comprised of quartz mica schist, calc silicates and gneiss, and Paleozoic in age, occurs. The Redfern Ultramafic complex occurs at higher elevations to the east and is Permian-Mississippian in age. These rocks lie east of the Eureka Thrust, a west dipping continental scale thrust fault between Paleozoic rocks to the east and the Upper Triassic-Lower Jurassic Nicola Group island arc to the west. The northwest trending Nicola Group island arc assemblage is comprised of basaltic flow, black phyllite and minor carbonate, overlain by dominantly flow, breccia and tuff of predominantly basalt to andesite composition; these rocks are cut by stocks, dikes and sills of monzonite to diorite and pyroxenite/gabbro composition, and are in part coeval with the Nicola Group volcanic rocks. The Takomkane Batholith occurs just west of the

Hawk property and is granodiorite to monzogranite in composition is dated at 193.5+/-0.6Ma U-Pb zircon (Whiteaker, 1996), or Early Jurassic in age.

Stocks, dikes and sills of granodiorite, quartz monzonite to granite composition cut Nicola Group and older rocks and are Middle Jurassic to Cretaceous in age. These rocks are spatially associated with dikes of rhyolite porphyry, tungsten, molybdenite mineralization at the Boss Mountain Mine (Soregaroli and Nelson, 1976).

Volcanic and volcaniclastic rocks of basalt to rhyolite composition cut and overlie previous lithology, and are Eocene to Miocene in age; these rocks occur dominantly to the west and southwest of the Hawk property, and are in places 600 metres in thickness.

Alkaline, olivine and peridote bearing basalt dike, flow, and minor tuff cut all previous units and are Quaternary in age, and occur east of the property. Glacial till and glacio-fluvial, lacustrine deposits are approximately 1 to over 30 metres in thickness locally.

6. Property Geology

The Hawk property covers Minfile 092P.155 (the Clay prospect). The Hawk property is underlain by a north trending steeply west-dipping package of massive, fine to medium grained, augite-hornblende porphyry flow, agglomerate/conglomerate, heterolithic breccia, fine to medium grained volcanic sandstone, calcareous tuff, and limestone (Figure 4). This area was mapped as part of the "breccia subunit of the volcaniclastic succession" of the Nicola Group (Schiarizza and Boulton, 2006). At the Knob prospect, intermittent outcrop of limestone approximately 3-15 metres in width can be traced in part for approximately 600 metres and remains open in extent.

These rocks are in north trending contact to the west with the Takomkane batholith, locally Schoolhouse Lake unit, and granodiorite to monzogranite in composition. The volcanic breccia unit occurs in contact to the northeast with a large, north trending pluton of the Iron Lake magmatic complex. An apophasis of this unit cuts the volcaniclastic rocks to the west (Schiarizza and Boulton, 2006). In proximity with the Knob prospect, north to northeast trending dikes of diorite to monzonite composition cut the volcanic-sedimentary rocks and are compositionally similar to the Iron Lake pluton. A medium to coarse grained hornblende gabbro occurs along a road cut, southeast of the Knob prospect.

Adjacent the Knob prospect, a piece of float/subcrop approximately 30 cm in width is comprised of biotite-rich lamprophyre, and may represent an additional period of magmatic activity. Although no Eocene related rocks are currently mapped, it remains a possibility that some may occur in subdued topography, or covered areas.

A strong north trending regional fault structure cuts the Hawk property in proximity with the Knob prospect and locally, northwest to east trending faults and shear zones occur. Strong positive magnetic gradients, potassium, and low thorium/potassium ratio occur on the property in Regional Geophysical surveys available on the B.C. Government website. These data support the presence of relatively large scale alkaline volcanic-intrusive rocks and associated magmatic hydrothermal activity.

6.1 Alteration and Mineralization

At the Knob prospect, calcareous volcanic breccia, sandstone and limestone are variably replaced by pale to yellow-green pyroxene/epidote, amphibole, actinolite, calcite, and locally wollastonite occurs with the limestone, and k-feldspar-magnetite occurs in volcanic and intrusive rocks. Sedimentary textures are evident in volcanic breccia, where pyroxene-epidote selectively replaces certain volcanic-intrusive clast and calcareous matrix. Locally wollastonite occurs near the south end of the limestone unit. Quartz veins, from 1 cm to 0.70 metre in width and traced for 10 to 30 metres or more in length occur in float and in outcrop over a wide spread area.

Propylitic to calc-potassic altered volcanic sediment, breccia and dikes contain trace to 5% pyrite, magnetite, hematite, and rutile throughout the property. These rocks also contain quartz veins, tension gash and irregular crackle open-space fractures and breccia that are commonly filled with pink-orange calcite and variable concentrations of pyrite, magnetite, bornite, digenite, and chalcopyrite.

Thin and polished section studies by D.J.T. Carson in 1984 (Lewis and Bradish, 1985) identified: bornite, chalcocite-digenite, covellite replacing these, and minor chalcopyrite, malachite. 76.6% of the observed gold occurs on grain boundaries between gangue minerals, and 21% of the gold occurs within silicate or carbonate grains; only 2.2% of the gold occurs in contact with a copper mineral (digenite). Trace amounts of silver and mercury tellurides, hessite, coloradoite, respectively are locally associated with bornite (Baerg, 1985).

These studies may in part explain the variability of gold: copper ratios. Historical reports suggest coarse gold, visible to the eye, is present locally, with assays of up to 3 oz/ton (100.0g/t gold). A float sample near the main showing returned 4.5% copper, 18,000 ppb (18.0 g/t) gold (Blann and Ridley, 2005).

In 2004, hand clearing of the Main zone of the Knob prospect exposed a north-northeast trending, steeply dipping zone containing recrystallized calcite, and epidote-calc-silicate skarn altered volcanic breccia in contact with a dike of diabase to diorite composition. The main zone was chip sampled three times and averaged 0.88% copper and 1.07 g/t gold across 5.0 metres, and remains open in width (Blann and Ridley, 2005).

South of the main showing, angular float returned 7055 ppm copper, 1106 ppb gold and 9.1 ppm silver, drill hole N85-3 returned 19.66 metres containing 0.12% copper, 0.20g/t gold and 2.0 g/t silver, and further south outcrop of trench material returned 4806 ppm copper, 648.2 ppb gold and 6.2 ppm silver. (Blann and Ridley, 2006).

Approximately 500 metres southwest of the Main showing, float of mafic volcanic breccia clast and fine grained felsic matrix is strongly altered to dark green pyroxene-amphibole skarn and patchy clots of hydrothermal magnetite. This sample contains 2-4% bornite/digenite in clots and blebs within the breccia matrix as well as in calcite-filled fractures and returned 2.174% copper, 5.35 g/t gold and 15.0 g/t silver. Approximately 200 metres south of this sample, outcrop of epidote-k-feldspar altered volcanic rock returned 4368 ppm copper, 712 ppb gold and 4.2 ppm silver, and a further 200 metres south a sample returned 0.528% copper, 2.55 g/t gold and 8.0 g/t silver in a quartz vein boulder approximately 0.70 metres in thickness (Blann and Ridley, 2006).

Approximately 150 metres north of the Main showing, the recrystallized marble shows lamellar texture, and is fine grained, with trace bornite smeared along foliation. A representative sample of this material over a 5 metre area returned 1018 ppm copper and 35 ppb gold. Results from drilling in this area in 1982 include: 3.0 metres containing 0.79% copper, 1.73 g/t gold and 9.43 g/t silver in hole 82-4, 1.83 metres containing 0.93% copper, 3.10 g/t gold and 12.34 g/t silver in hole 82-5, including 0.63 metres grading 2.17% copper, 6.14g/t gold and 28.11g/t silver. (Blann and Ridley, 2006) Limited sampling of these holes was conducted.

The Northeast zone is located approximately 220 metres northeast of the Main showing. Here, a north-northeast trending zone of structurally controlled, weakly cross-cutting gash vein and shears contain small clots and blebs of bornite over approximately 5-7 metres in width, 30 metres in length, and remain open. Sampling in 2004 returned up to 0.98% copper and 640 ppb gold over 0.5 metres and approximately 3-4 metres to the east, 2.49% copper, 3.06 g/t gold and 25.7 ppm silver in grab samples at the edge of outcrop. Approximately 100 metres north of the Northeast zone, 2005 sample 41589 returned 6039 ppm copper, 2862 ppb gold and 6.5 ppm silver in angular float. Approximately 400 metres east-southeast, sample number 41576 returned 832.4 ppm copper, 41.8 ppb gold and 0.40 ppm silver (Blann and Ridley, 2006).

7. 2007 Exploration-Rock Samples

A total of 32 rock samples were collected in polyethylene bags, tied closed and shipped to Acme Analytical Laboratories in Vancouver for analysis by 15 gram ICP-MS, and in part 12 element ICP assay plus gold by fire assay. Sample results are plotted in Figure 4, and complete rock sample descriptions and certificates of analysis are located in Table 2 and Appendix 1, respectively. Geological notes are provided in Table 3. Prospecting and rock sampling was focused on areas that were previously under explored and within the 2007 soil geochemical grid area. Highlights of 2007 rock sample analytical results are provided below.

Highlights of Analytical Results for 2007 Rock Samples

Sample	Cu %	Au g/t	Ag g/t
C184335	0.281	0.15	<2
C184338	0.204	0.03	<2
C184381	0.394	0.06	3.0
C184384	0.097	0.01	<2
C184387	0.172	0.08	<2
C184388	0.176	0.52	3.0
C184389	0.394	1.31	12.0
C184390	0.074	0.27	<2
C184391	2.109	2.38	17.0

Most of the samples noted here are from new showings discovered in areas not previously sampled or intensely prospected. These results are consistent with the other showings on the property, and together, an area approximately 3.5 kilometres in length and 1.5 kilometres in width is underlain by wide spaced copper-gold-silver showings. Outcrop and subcrop located on the eastern end of lines 48-50 north and 54-56 north comprise diorite dike cutting Nicola Group volcanic rocks. In proximity with the dike, locally intense quartz sericite +/- carbonate alteration and quartz flooding and veining contains up to 5-10% pyrite, trace chalcopyrite. Near the east end of line 54 north, a sample of this material (#184392) returned 35 ppm molybdenum, and 13.6 ppb gold. Approximately 50 metres north of this sample, samples #493466 and #493467 returned 0.26% copper, 18 ppb gold, and 0.50% copper, 95 ppb gold, respectively. Approximately 400 metres northwest of184392, sample 184391 returned 2.1% copper and 2.38 g/t gold. A maximum value of 84.5 ppm molybdenum was obtained in 2007 rock samples.

8. 2007 Exploration-Soil Geochemistry

During 2007, approximately 15.5 km of grid was completed and 452 soil samples were taken along lines approximately 100 and 200 metres apart, southeast of historical detailed geochemical surveys. Soil samples were obtained using mattock and tree planting shovel and auger from depths of 30-60 cm, or the "C" horizon. This material is comprised largely of silt sized soil locally containing angular to sub-angular rock fragments of 0.5 to 2.5 cm in size, and minor organic material. It appears that locally a silty-clay-rich hardpan occurs near bedrock, and soil is poorly developed in rocky talus covered areas.

Soil samples of approximately 500 gm were placed into kraft paper soil bags, tied closed, and air dried for two-three weeks at room temperature. Samples were placed into large rice bags and shipped by bus to Acme Analytical Laboratories, of Vancouver, B.C. for analysis by ICP-MS (Appendix 1). Plotted results for copper, gold, and zinc are found in Figures 5- 7.

Statistical Results for 2007 Soil Geochemical Sampling

Number of Samples=		452.0		Log Normal Probability		
	Min	Max	Mean	85%	90%	95%
Copper (ppm)	1.5	715.1	59.3	75.0	82.7	97.0
Zinc (ppm)	15.0	416.0	87.7	101.2	104.4	112.8
Gold (ppb)	0.5	503.5	6.4	3.5	4.0	5.1

These metals are generally erratic in distribution and concentration, similar to surface mineral showings. Copper appears to have a more coherent distribution and gold appears erratic and in general, of low threshold. Copper and gold in soil overlap to some degree, and weakly anomalous values of zinc occur on the west and eastern side of the grid, respectively. A larger, northeast trending, linear copper in soil anomaly approximately 50-150 metres in width and one kilometre in length occurs near the centre of the grid, with a high value of 715 ppm occurring in the southeastern corner of the survey. Gold in soil anomalies occur near Line 56 and 57 north near Baseline 10+00 East and 15+00 East, and on Lines 42,44 and 46 north, west of the baseline. Other gold in soil values are locally quite anomalous with up to 503 ppb gold, however they appear erratic in distribution.

9. 2007 Exploration-Induced Polarization Geophysical Survey

During 2007, approximately 17.2 kilometres of cut and chained grid and induced polarization geophysical survey was carried out over the soil geochemical grid described above, and where no prior survey was performed. The geophysical survey identified moderate to locally strong chargeability anomalies near surface along the east end of the survey lines and at depths of between 100 to 350 metres to the northwest. Overall the anomalous zone is approximately 1.6 kilometres by 600 metres in dimension, remains open in extent to the east. A separate anomaly occurs in the northern portion of the survey area. A complete report on the survey, performed by SJ Geophysics Ltd., of Vancouver, B.C., is provided in Appendix 2.

10. 2007 Exploration-Diamond Drilling

During November 5th to November 17th 2007, Core Enterprises of Clinton B.C. was engaged to perform NQ size diamond drilling on the property.

2007 Hawk Property Diamond Drill Hole Locations

Drill Hole	East	North	Elevation	EPE	Azimuth	Dip	Length (m)
07H-DDH-1	642673	5749703	1044m	8m	0	-90	121.3
07H-DDH-2	641983	5749438	1029m	7m	290	-45	154.83
07H-DDH-3	642089	5749449	1037m	7m	275	-45	103.02
						Total Metres	379.15

Drill Holes are plotted in Figure 4. Drill hole 07H-01 was abandoned after rods repeatedly stuck in the hole. Site conditions and a steep side hill prevented the driller from setting up at proposed site # 2, and, instead hole 07H-02 was collared more than 200 metres away in a level landing in the southwest corner of the 2007 grid. Hole 07H-03 was located on an existing road approximately 100 metre east of hole #2, and was lost in a strongly clay altered fault zone. Due to personnel limitations at the time, geological core logging and sampling was limited to hole 07H-03. Drill core from all the holes consisted of moderate to strongly broken, moderate to strongly chlorite, epidote and carbonate altered Nicola Group basalt volcanic breccia and tuff cut by dikes of basalt, diorite, monzodiorite composition between 0.5 and 3.0 metres in thickness. Locally zones of chlorite, epidote, k-feldspar magnetite, pale green-saussurite, sericite, and moderate kaolinite occur that contain trace pyrite, and rare specs or clots of chalcopyrite and bornite. The drill log and analytical results for hole 07H-03 is located in Appendix 3. Geochemical results from 07H-03 returned low values of copper and gold. Core from 14.0-76.0 metres (62.0 metres) averaged 198 ppm copper and 8.8 ppb gold. Core from between 2.44 metres and 14.0 metres (11.56 metres) returned an average of 12.4 % calcium that reflects the strongly calcareous volcanic sedimentary rock and in part, limestone that is seen on surface outcrops in this area. Between 92.0 metres and the end of the hole at 103.20 metres, an intensely clay altered fault zone was encountered that also contained approximately 8-11% calcium. The hole was lost in this clay gouge at 103.20 metres depth.

11. Discussion

The Hawk property is underlain by positive regional airborne magnetic and radiometric anomalies consistent with other known alkaline porphyry systems in B.C. The area is underlain by the volcanic breccia subunit of the volcaniclastic succession, Nicola Group, and occurs in north trending contact with monzogranite of the Takomkane batholith to the west, and a poorly defined contact with monzodiorite-diorite of the Iron Lake magmatic complex to the east. The Knob prospect is underlain by basalt, volcanic sandstone, volcanic breccia, and limestone between 5 and 15 metres in width that can be traced fairly well over approximately 600 metres and has been the focus of previous exploration. Dikes of monzodiorite to diorite and basalt composition also trend northerly, and alteration and mineralization appears spatially associated with dikes. In addition to the intermediate and mafic dikes, there are felsic dikes of possible rhyolite composition. These dikes appear up to two or three metres in thickness and are also spatially associated with pyrite, trace chalcopyrite mineralization.

An area approximately 3.5 km X 1.5 km in dimension is underlain by biotite hornfelsed to calc-silicate or calc-potassic altered intermediate to mafic volcanic rocks and sediments. Shears, breccia, brittle style tension-gash and open-space fractures are filled with variable quartz, pink calcite, magnetite, k-feldspar, and contain variable concentrations of dominantly bornite, chalcocite/digenite, chalcopyrite, pyrite and associated copper, gold and silver values. Pyrite occurs from trace to 5%, however does not correlate well with copper minerals. The massive pyroxene basalt is generally weakly fractured, and propylitic altered and is locally amygdaloidal, containing discrete specs of chalcopyrite, bornite and or pyrite within and around epidote-calcite altered amygdules. The volcanic calcareous sediment and heterolithic volcanic-intrusive breccia appears to have more intense propylitic alteration and tension gash veins, fractures and breccia matrix locally contain variable concentrations of magnetite, pyrite, chalcopyrite and bornite. The intensely quartz-sericite-carbonate altered felsic fragmental hydrothermal breccia with up to 10% pyrite and trace chalcopyrite, along with felsic (rhyolite?) dikes suggest a potentially bi-modal mineralized system or a separate, younger age period of felsic intrusion and related hydrothermal mineralization.

Most historical surface work and drilling was performed 100 metres or more west of the 2007 geophysical survey. At the Knob prospect, a 600 metre long zone has returned locally significant values up to 18.00 g/t gold and 4.55% copper in grab samples, and 5.0 metres of 0.88% copper and 1.08 g/t gold in outcrop. The position, size and configuration of the 2007 geophysical results, overlying positive copper in soil geochemistry, and significant number of copper-gold silver mineralized occurrences and showings together suggest the presence of an alkaline magmatic copper-gold-silver hydrothermal system. The area of high chargeability induced polarization values along the eastern side of the survey grid may be sourced in the intensely altered pyrite +/- chalcopyrite bearing felsic fragmental hydrothermal breccia located on surface in these areas. From the 3D IP survey sections, it appears this zone of high chargeability dips gently west, beneath the massive, hornfelsed and weakly mineralized pyroxene and amygdaloidal basalt.

12. Conclusions

The Hawk property is located approximately 35.8 kilometers northeast of 100 Mile House, and 24 kilometres south of the Boss Mountain Molybdenum mine, in the south Cariboo, British Columbia, Canada. The property comprises 19 mineral claims totaling approximately 1,976.4 hectares in area, of which 1,377.6 hectares are owned 100% by Happy Creek Minerals Ltd.

The property is underlain by basalt, heterolithic volcanic-intrusive breccia, volcanic and calcareous sediment and limestone of the Breccia subunit, Nicola Group that are cut by coeval dikes of monzodiorite, diorite and basalt composition. Locally dikes of dacite to rhyolite composition occur, and clasts of this material occur within heterolithic breccia, locally. These Nicola Group rocks are in general north trending contact with monzodiorite of the Iron Lake magmatic complex to the east, and the Takomkane batholith, granodiorite to monzogranite in composition to the west.

North, northwest and northeast trending structures comprised of geological contacts, faults, magnetic, radiometric lineaments occur. The volcanic and sedimentary rocks are variably biotite and pyroxene hornfelsed and chlorite, epidote, pyroxene, actinolite-amphibole, magnetite, k-feldspar, fill open-space fractures and contain variable concentrations of bornite, chalcocite/digenite, chalcopyrite and pyrite.

The main Knob zone has returned 0.88% copper and 1.07 g/t gold across 5.0 metres and float samples to 4.5% copper, 18.0 g/t gold. Historical drill results include 1.83 metres containing 0.93% copper, 3.1 g/t gold and 12.34 g/t silver. To the east, subcrop returned 2.49% copper, 3.06 g/t gold and 25.7 ppm silver that remains open to the east. Approximately 700 metres north of the main showing, angular rubble returned 1.2% copper and 1.3 g\t gold. Approximately 400, 600 and 800 metres southwest of the main showing rock samples returned 2.174% copper, 5.35 g/t gold and 15.0 g/t silver, and 0.528% copper, 2.55 g/t gold and 8.0 g/t silver. Rock samples obtained in 2007 returned trace to significant copper and gold values in several new areas. Values of up to 2.1% copper, 2.38 g/t gold and 17.0 g/t silver were obtained. The 2007 Soil geochemistry defines several sub-linear anomalies of copper, gold, and zinc that may be sourced in bedrock, however a clay-rich hardpan, generally low sulphide concentrations and abundant carbonate in the bedrock over much of the property may limit soil sampling effectiveness.

The 2007 3D induced polarization geophysical survey partially outlined moderate to strong chargeability anomalies near surface along the southeast side of the grid that remain open to the east. The positive surface response appear to dip gently northwestward, beneath the massive basalt, to depths of approximately 100 to 350 metres below surface. The anomaly is approximately 1.6 kilometres in length and 600 metres in width. A second anomaly occurs at the north end of the survey along the intrusive-volcanic contact.

Geology, structure, alteration, presence of copper, gold and silver values in bedrock and soil, airborne radiometric, magnetic and induced polarization surveys suggest an alkalic intrusion-related copper-gold-silver porphyry or skarn geological environment. However, the presence of mineralized heterolithic breccia containing felsic intrusive fragments and felsic dikes of rhyodacite composition suggest a potentially coeval, bi-modal volcanic-intrusive event, or a younger, perhaps Cretaceous aged event may have occurred.

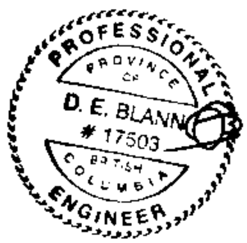
13. Recommendations

The following exploration is recommended:

Phase 1

1) Expand the grid southwest with 20.0 line-kilometres grid, soil and I.P.
2) Prospecting, geological mapping, and rock sampling of the property with attention to the under-explored areas to the east and south of 2007 work.
3) Diamond drilling 5 holes totaling 1500 metres

The total budget for this work is estimated at $450,000



Respectfully Submitted,

David E Blann, P.Eng.

14. Statement of Costs

Wages	# days	$/day	Totals
D. Blann, P.Eng	6	$ 650.00	$3,900.00
D Black- Prospector	18	$ 325.00	$5,850.00
D. Ridley, Prospector	33	$ 350.00	$11,550.00
	57		$21,300.00

Disbursements			
Truck - Blann	4	$ 100.00	$400.00
Truck - Black	4	$ 100.00	$400.00
Truck - Ridley	5	$ 100.00	$500.00
ATV - Black	14	$ 75.00	$1,050.00
ATV - Ridley	30	$ 75.00	$2,250.00
Room/Board	57	$ 100.00	$5,700.00
Satelite/cell phone, radios	57	$ 10.00	$570.00
Field Supplies			542.64

Contractors	
Acme Analytical Laboratories Assays	$8,927.02
Rio Minerals Limited- Linecutting	$30,682.00
Core Enterprises Diamond drilling	$28,550.00
Kingsgate -Excavator for trail construction, reclamation	$2,105.00
S.J. Geophysics Ltd. IP Geophysical Survey	$47,492.24
Spectrum Mapping Corp	$1,582.40
Shipping Bus, courier	$422.35
Drafting & Reproductions	$466.46
Report	$3,500.00
	$135,140.11

Wages and Disbursements	$156,440.11
10% Management Fee	$15,644.01
Total	$172,084.12

15. References

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16. 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.

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, and conclusions and recommendations within this report are based on regional and property fieldwork conducted on the subject property between 1991 and 2007.

Dated in Squamish, B.C., April 15, 2008

David E Blann, P.Eng.

Tables

Table 1 - Mineral Tenure

Tenure Number	Claim Name	Mapsheet	Expiry Date	Area (ha)	Tag Number
409978	HAWK 1	092P086	2012/dec/31	25.0	699819M
409979	HAWK 2	092P086	2012/dec/31	25.0	699820M
409980	HAWK 3	092P086	2012/dec/31	25.0	712844M
409981	HAWK 4	092P086	2012/dec/31	25.0	712845M
413036	HAWK 5	092P086	2012/dec/31	25.0	712846M
413037	HAWK 6	092P086	2012/dec/31	25.0	712847M
416513	HAWK 7	092P086	2012/dec/31	25.0	712848M
416514	HAWK 8	092P086	2012/dec/31	25.0	712849M
505254	HAWK 9	092P	2012/dec/31	279.3	
508185	HAWK 10	092P	2012/dec/31	79.8	
517573	HAWKO	092P	2012/dec/31	59.9	
517575	HAWKO-2	092P	2012/dec/31	20.0	
554088	HAWK 11	092P	2012/dec/31	39.9	
554089	HAWK12	092P	2012/dec/31	20.0	
559284	HAWK13	092P	2012/dec/31	319.4	
560651	HAWK 14	092P	2008/dec/31	359.4	
				1377.6	
507663*		092P	2010/dec/31	79.829	
507667*		092P	2010/dec/31	419.21	
534033*	GREY 3	092P	2010/dec/31	99.812	
				598.851	

* Owner Al Harvey FMC# 111258

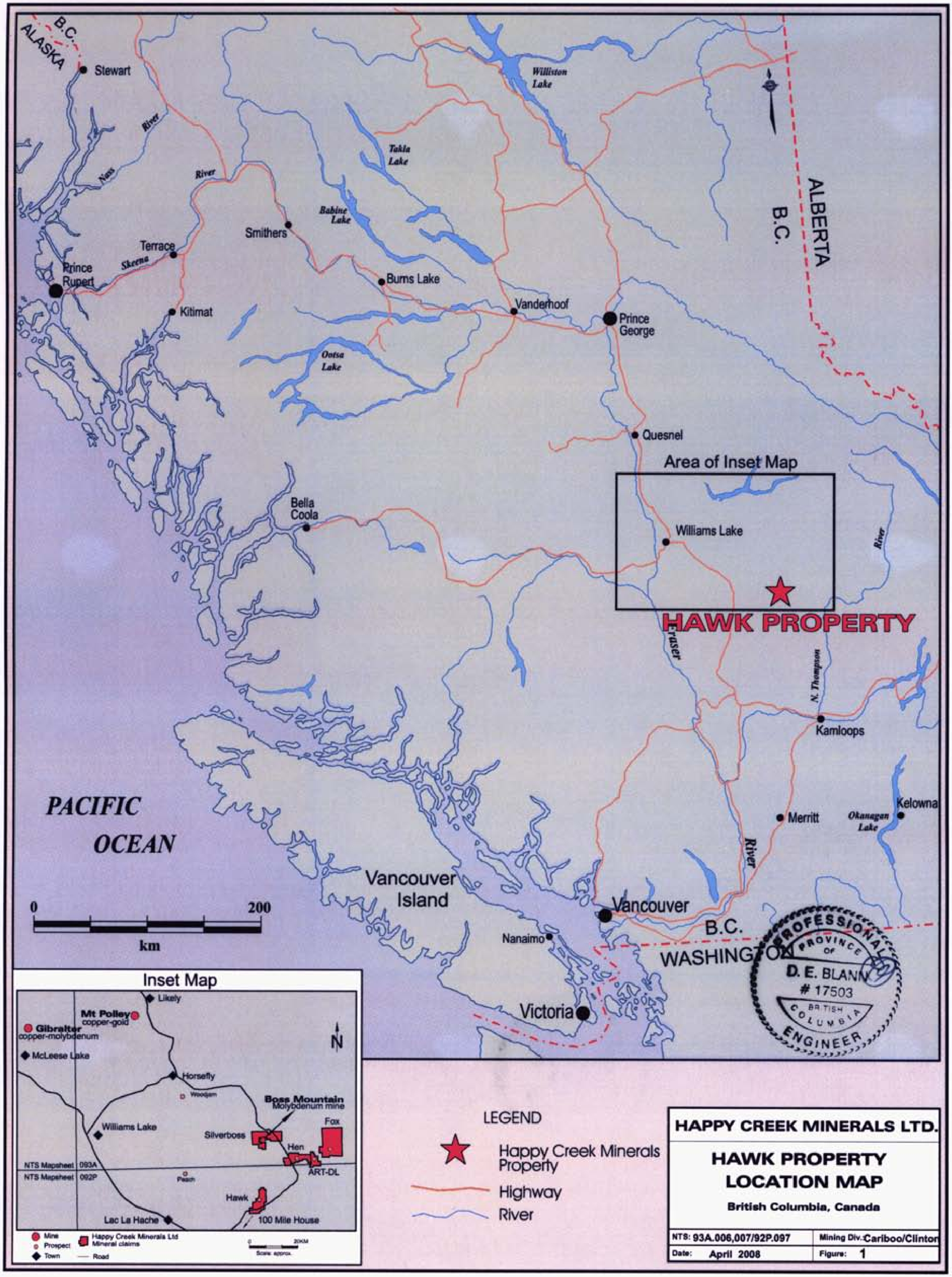
Table 2 - Rock Sample Results

Sample #	Easting	Northing	Elevation	EPE	Description	Mo	Cu	Pb	Zn	Ag	As	Au	Cu	Au	Ag
						ppm	ppm	ppm	ppm	ppm	ppm	ppb	%	g/t	g/t
4419	642425	5749908	1027	8	L10E 51+25N at road; Grab outcrop (3m); Pyroxene-chlorite-epidote-carbonate veins (0.1-1cm) 3-10 per m.; Fractures (348°/90°, 020°/90°) in pyroxene-hornblende basalt-andesite with trace bornite, FeOX	0.5	85.3	1.9	37	0.1	5	18.6			
4420	643300	5749578	1071	10	Grab sample from subcrop; Pyroxene volcanic breccia; Moderate pervassive epidote-chlorite-magnertie; Calcite vein (3m) with bornite at L51N 19+50E	0.9	29.1	2	34	<0.1	2.4	1.9			
4421	643107	5749840	1079	9	Grab outcrop sample; Pyroxene-volcanic breccia, Calcite amygdule; Epidote-calcite vein/breccia; Trace bornite; Moderately fractured with pervasive epdote+/- chlorite with very weak magneite at L53N 17E	0.4	195.2	0.8	25	0.2	1.3	5.9			
184335	643045	5751248	874	5	Grab of subcrop outcrop; Volcanic; Epidote-pink calcite and minor bornite-malachite	7.1	2786.3	1.4	22	2.3	4.9	106.0	0.281	0.15	<2
184336	643040	5751143	881	6	Grab sample of 6cm quartz vein; Bornite-malachite	4.2	146.0	0.4	23	<.1	0.6	3.4			
184337	642966	5749595	1092	6	Grab sample of 70cm of outcrop; Volcanics cut by white calcified fracture fills; Chalcopyrite-malachite-native copper?	5.1	507.4	0.8	20	0.2	1.3	83.2			
184338	642902	5749682	1065	6	Grab sample of outcrop; Volcanic with calcite fracture fills; Malachite-bornite	2.4	2112.2	0.7	12	1.0	2.5	20.2	0.204	0.03	<2
184339	642957	5748066	1050	6	Angular float; Pyrite-chalcopyrite-malachite; Float continues for approximately 40m to the north	0.7	3785.9	5.1	18	1.0	2.6	21.7			
184381	643104	5749714	1085	10	Poorly exposed outcrop; Quartz-epidote-Kspar veining; Grab sample 25cm	84.5	3962.7	2.5	63	3.6	1.4	61.6	0.394	0.06	3
184382	642391	5749519	1033	8	Grab sample from outcrop; 1m wide shear zone at 010°/-80°; Quartz-stringers, minro pink calcite; Pyrite and trace chalcopyrite	18.4	190.6	3.4	37	0.1	0.9	15.2			
184383	642909	5751151	883	7	Probable subcrop; Augite porphyry with epidote-Kspar veinlets; Trace malachite	2.7	286.7	1.0	63	0.2	1.9	31.8			
184384	643044	5751255	874	7	Augite porphyry subcrop; Kspar veinlets, bornite-malachite; See also #184335	76.0	968.0	0.7	49	0.7	4.6	8.8	0.097	0.01	<2
184385	643112	5751447	871	7	Augite porphyry subcrop; Kspar-epidote veinlets; Minor chalcopyrite-malachite; Beside the road	4.5	351.5	1.4	44	0.2	1.0	4.9			
184386	643071	5751412	876	7	Random grab (1.5m) outcrop; Augite porphyry, heavy epidote with minor Kspar veinlets; Trace bornite	2.7	77.2	1.3	35	<.1	1.8	1.2			
184387	641898	5749213	1080	6	Grab sample of subcrop; Greenst with Kspar-epidote veining; Bornite and malchite	2.3	1761.6	1.0	23	1.2	0.7	84.5	0.172	0.08	<2
184388	642663	5750089	1039	7	Subangular bouldor; Heavey epidote-pink calcite ceining; Chalcopyrite-bornite-malachite; About 75cm diametre	3.2	1838.7	12.6	49	2.7	<.5	367.3	0.176	0.52	3
184389	642708	5750185	1020	7	Quartz vein subcrop; Very rusty with abundant malachite; Minor chalcopyrite; Just above main road	4.8	4069.3	2.2	58	12.6	6.9	1411.9	0.394	1.31	12
184390	641957	5749080	1085	14	Quartz-bornite showing; Grab sample accross 2m; Quartz veins and stringers with minor bornite-chalcopyrite-malachite; Just below ridgetop	2.6	741.1	0.5	22	0.7	<.5	234.5	0.074	0.27	<2
184391	643149	5749964	1048	7	Subangular float; Pink calcite-epidole veining with bornite-chalcopyrite-malachite; Just below ridgetop	2.1	>10000	13.3	13	19.7	0.8	2512.1	2.109	2.38	17
184392	643298	5749828	1051	7	Subcrop, float, outcrop?; Grab sample of pyritic quartz-carbonate breccia, Upto 7% pyrite, trace chalcopyrite?	35.1	145.5	2.7	61	0.1	0.7	13.6			
184393	643226	5751377	878	6	Subangulr float; Hornfelsed pegmatite cut by quartz-Kspar-epidote=chlorite; Heav magnetite; Minor chalcopyrite and malachite	3.5	598.9	1.8	44	0.5	0.5	54.6			
184396	642594	5748718	976	12	Shear in andesite 015°/-80°; Pink clacilge-magneite-bornite-malachite; Grab sample across 40m	0.6	306.7	6.8	32	<0.1	2.3	3.1			
332551	642891	5750328	985	6	Float Epidote-pink calcite vein sheared basalt-andesite VBx, Biotite-Magnetite, Ep, Tr Bo	2.0	911.3	1.7	25	0.6	3.6	28.0	0.093	0.04	<2
332552	642647	5750060	1044	6	Subcrop,VBx, mod-strong pervasive epidote-Ca, Bi, Green Mica with pink Ca gash vns, Px-Chl, Qtz-ca Ep eye amygdules with Bo/cc	2.2	384.0	2.1	22	0.1	3.1	12.2			
493451	642968	5749570	1091	7	Angular float; Chalcopyrite-malachite with minor bornite; 7m NE of L50N 16+25E	0.6	2.6	3.0	44	<0.1	<0.5	0.8			
493452	642945	5749598	1091	7	Chalcopyrite-malachite-pink calcite; Outcrop	0.8	1412	1.7	24	0.3	2.2	11.5			
493453	642795	5749631	1069	6	Angular float; Pink calcite-malachite-bornite in gash in veins	0.5	3285.9	3.3	17	2.3	3.0	126.7			
493454	643214	5749287	1071	8	Angular float; 0.5% pyrite; Altered volcanics	1.1	141.4	2.2	21	0.1	1.1	5.5			
493455	643220	5749250	1040		L48N;19+50E; Angular float; Diorite with minor pyrite	0.4	100.9	0.8	36	<0.1	1.0	2.8			
493466	643283	5749875	1040	6	Float cp,mal in pink calcite	0.8	2628.3	2.3	22	2.1	1.5	18.1			
493467	643335	5749885	1030	6	Float, bo,cp,mal, pink calcite	0.5	5017.5	2.3	29	2.3	2.7	95.1			

Table 3 - Geological Field Notes

Easting	Northing	Elevation	EPE	Description
643436	5749737	1038	8	Outcrops from first switchback and truck 100m from road; 5% pyrite hetrolithic volcanic breccia (30*10m area); Rhyolite clasts in volcanic breccia
643433	5749496	1034	12	Outcrop of pyroxene-volcanic; Weakly fractured with epidote; Weak magnetite
643306	5749586	1049	20	Trace pyrite and moderate magnetite; Moderately fractured with epidote and calcite, MnOX
642657	5749479	1036	6	L48N 13+50E, edge of log landing
642900	5749397	1050	6	L48N 16E; Old float sample; Kspar-calcite vein with bornite/diginite, 4cm cuts; Strong epidote+/- garnet +/- Kspar-biotite and very brecciated
643003	5749350	1061	6	L48N 17+25E; Subcrop(?); Hornblende/amphibole needles (actinolite?); Porphyry cuts hetrolithic breccia/agglomerate; Pyrite, epidote, plag and Kspar
643170	5749285	1076	6	L48N 19+00E; Pyroxene volcanics + chlorite (magnetite?); Secondary Kspar, epidote, FeOX; Possible medium grained diorite dyke trending $360^0/-90^0$
642563	5750031	1037	12	L53N 11+00E; Coarse volcanic breccia with 1-2cm epidote fill; Trace MnOX, FeOX, and Ca in fractures
642622	5749911	1035	10	L52N 12+00E; Blocky talus and subcrop (?); 10cm wide quartz vein breccia with chalcopyrite
642819	5749857	1040	11	L52N 14+00E; Outcrop, subcrop (?) bouldors; Chlorite-epidote altered in gully and pyroxene-biotite altered 13+50-14+00E
642646	5749795	1047	11	L51N 12+50E; Pyroxene+chlorite-epidote volcanic breccia cut by 0.2-0.5cm, pink-grey coarse calcite and quartz vein, MnOX, FeOX
642681	5749714	1038	7	Landing; Volcanic breccia and pyroxene volcanic flow; Quartz and calcite veins +/- pyrite and chalcopyrite
642659	5749678	1047	10	L50N 13+00E
642566	5749711	1061	6	L50N 12+00E; Strongly chlorite-epidote alterated volcanic breccia with 5mm wide vein of pink quartz (calcite?); Kspar(?); Old sample
642545	5749621	1042	6	L49 12+00E; Trace FeOX; Weakly chlorite-epidote altered volcanic breccia; 48N 12+50E moderate to strong pervassive chlorite-epidote +/- chlorite-quartz-secondary Kspar-(Ca) vein; FeOX, native copper
642517	5749522	1033	5	48N 12+00E at road; FeOX (3%), pyrite +/- chalcopyrite;
642361	5749791	1034	5	L50N 9+75E; Rock at old trail to southeast (at old road)
642384	5749681	1041	6	L49 10+25E at old road
642432	5749927	1028	6	BL10E 51+50N at road pullout
642527	5750155	1024	8	L54N 10+25E; Road at 10+35E

Figures


B.C.
ALASKA
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Williston Lake
Takla Lake
Babine Lake
Smithers
Terrace
Skeena
Prince Rupert
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Burns Lake
Vanderhoof
Prince George
Ootsa Lake
B.C.
ALBERTA
Quesnel
Area of Inset Map
Bella Coola
Williams Lake
River
HAWK PROPERTY
Fraser
N. Thompson
Kamloops
PACIFIC
OCEAN
Merritt
Okanagan Lake
Kelowna
River
Vancouver Island
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BRITISH COLUMBIA
ENGINEER
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Mt Polley
copper-gold
Gibraltar
copper-molybdenum
McLeese Lake
Horsefly
Woodjam
Boss Mountain
Molybdenum mine
Williams Lake
Silverboss
Fox
Hen
ART-DL
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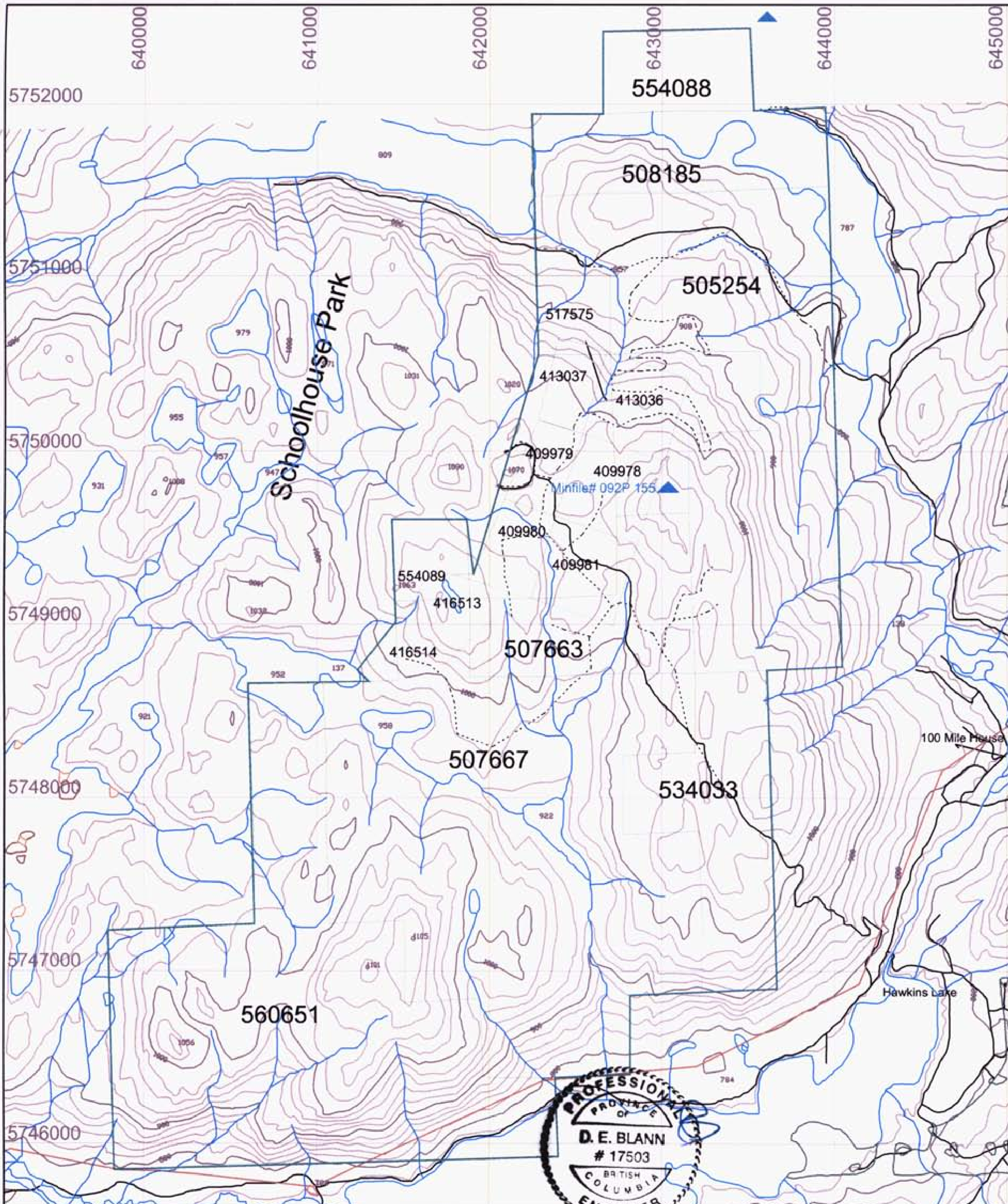
NTS Mapsheet 092P
Peach
Hawk
Lac La Hache
100 Mile House
Mine
Prospect
Town
Happy Creek Minerals Ltd Mineral claims
Road
Scale approx.
LEGEND
Happy Creek Minerals Property
Highway
River
HAPPY CREEK MINERALS LTD.
HAWK PROPERTY
LOCATION MAP
British Columbia, Canada
NTS: 93A.006,007/92P.097
Mining Div.:Cariboo/Clinton
Date: April 2008
Figure: 1



Legend

382263	Mineral Tenure (from B.C. MTO-not legally surveyed)
———	Access Road or Trail
....	New Road
~——	Creek
093A200 ▲	Minfile Prospect and Number

0 — 1000
metres
UTM Zone 10 NAD 83

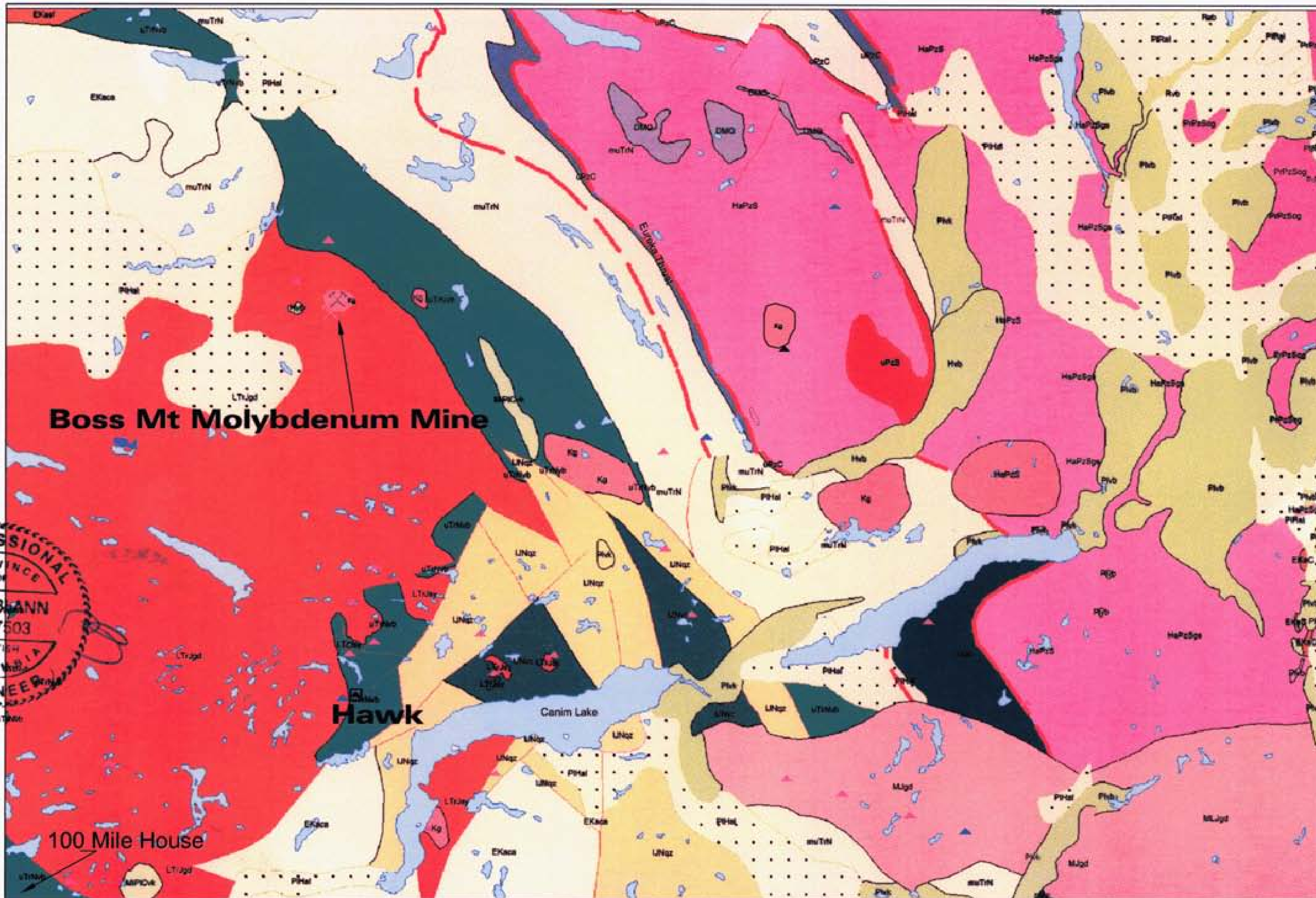
HAPPY CREEK MINERALS LTD.

HAWK PROPERTY

Clinton Mining Division
British Columbia, Canada

CLAIM LOCATIONS

UTM Zone 10 NAD 83	NTS: 093A.006,007 092P.097	FIG.
By: D. BLANN, P. Eng.	DATE: April 2008	2



Geology Legend

Code	Description
PlHal	Pleistocene to Holocene Glacial Till, Alluvium
Hvb	Holocene Basaltic Volcanic Rocks
EKaca	Eocene Kamloops Group Calcalkaline Volcanic Rocks
Plvb	Pleistocene Basaltic Volcanic Rocks
Plvk	Pleistocene Alkaline Volcanic Rocks
lJNvc	Lower Jurassic Nicola Group Volcaniclastics
lJNqz	Lower Jurassic Nicola Group Quartzite, Quartz arenite sedimentary Rocks
muTrN	Middle-Upper Triassic Basal black phyllite, minor volcanic rocks
uTrNvb	Upper Triassic Nicola Group Basaltic Volcanic Rocks
uPzB	Upper Paleozoic Black Riders Mafic Ultramafic Complex
DMO	Devonican to Permian Fennel Formation Basaltic Volcanic Rocks
HaPzSgs	Hadrinian to Paleozoic Snowshoe Group Greenstone, Greenschist, Metamorphic Rocks
HaPzS	Hadrinian to Paleozoic Snowshoe Group Undivided
Kg	Cretaceous undivided intrusive rocks
MJgd	Middle Jurassic Granodiorite Intrusive Rocks
LTrJgd	Late Triassic-Early Jurassic Granodiorite
LTrJsy	Late Triassic-Early Jurassic syenite, monzonite
	Fault
	Thrust Fault

0 — 10 KM

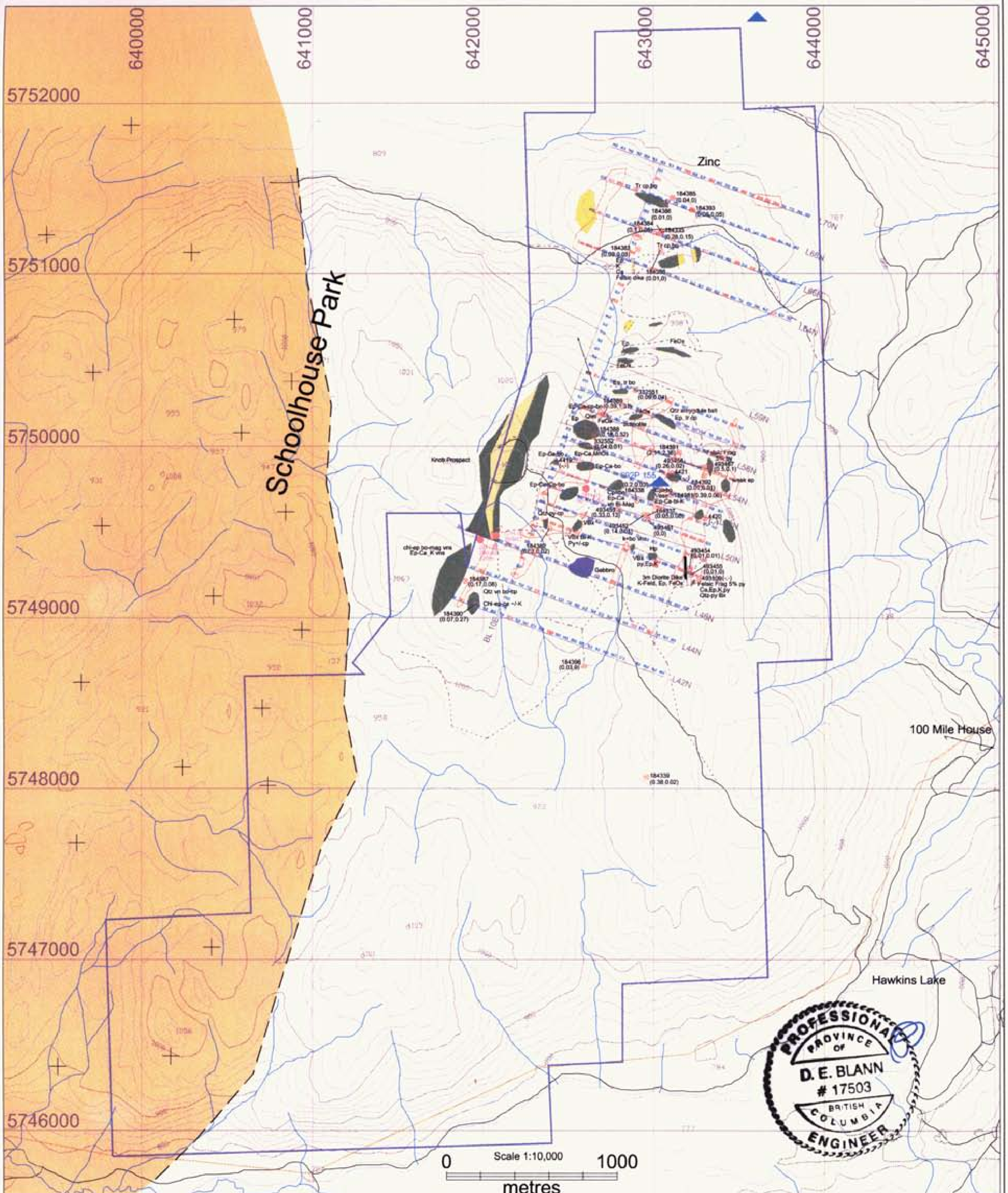
N

HAPPY CREEK MINERALS LTD.

HAWK PROPERTY
CARIBOO PROJECT AREA
REGIONAL GEOLOGY

Canim Lake Area
British Columbia, Canada

UTM Zone 10 NAD 83	NTS: 092P, 093A	FIG.
By: D. BLANN, P. Eng.	DATE: April 2008	3



Legend

- Access Road or Trail
- New Road
- Creek
- 093A200 Minfile Prospect and Number
- 18436 (2.11,2.38) 2007 Rock Sample Location and Number Rock Sample Result (% Cu, g/t Au)
- 2007 Diamond Drill Hole

Geological Legend

- 1 Pyroxene-Amphibole Basalt Flow
- 2 Pyroxene Andesite-Basalt Flow, Tuff, Breccia, Limestone
- Takomkane Batholith Granodiorite
- Quartz Monzonite, Monzogranite- and Felsic Dike
- Magnetite-Hornblende Diorite

Abbreviations

Bi Biotite
Chl Chlorite
Ep Epidote
K K-feldspar
Ca Calcite
Mag Magnetite
Vns Veins
Qtz Quartz
Frag Fragmental
Bx Breccia
Py pyrite
cp chalcopyrite
bo bornite
MnOx Manganese oxide
FeOx Iron Oxide

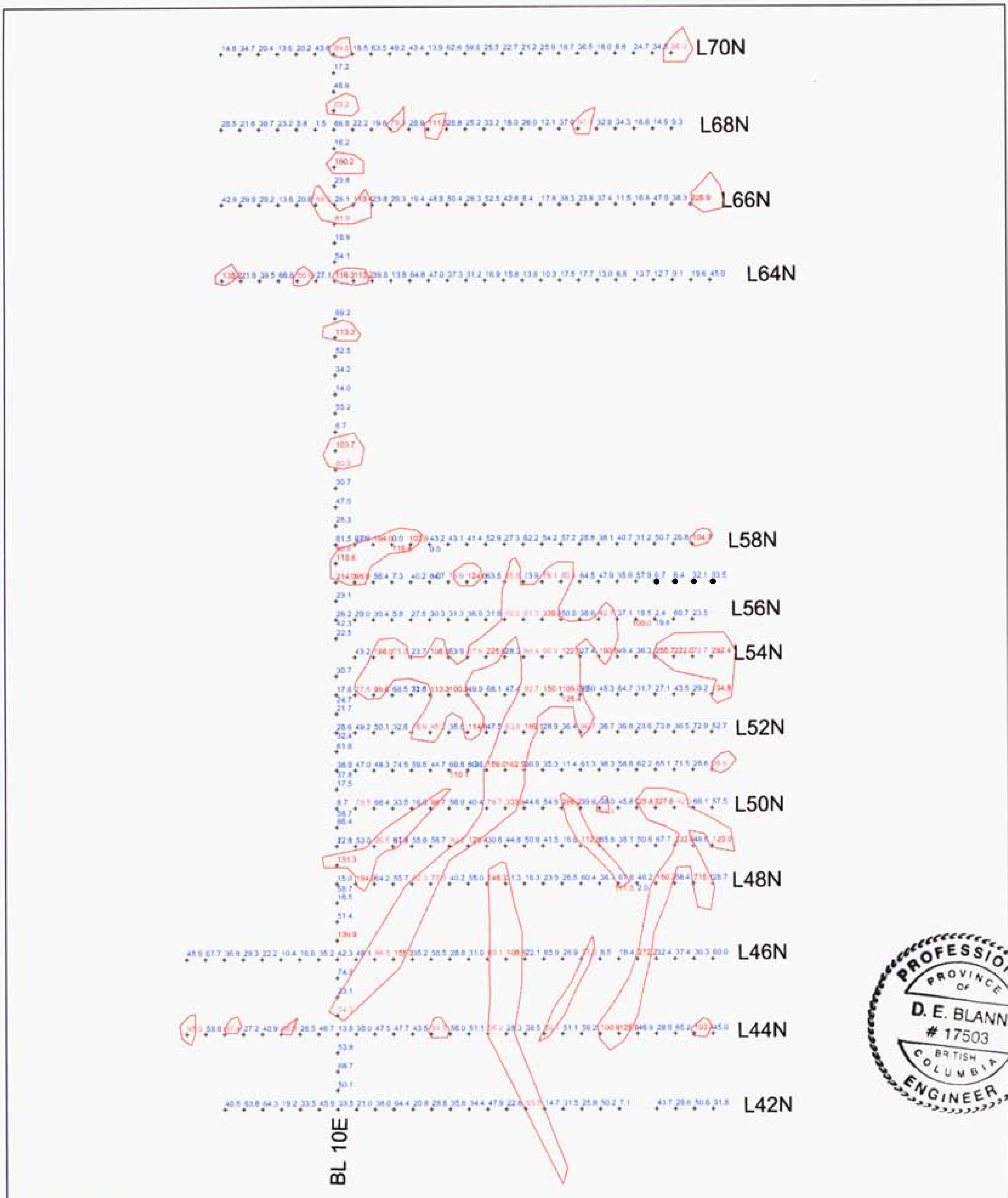
HAPPY CREEK MINERALS LTD.

HAWK PROPERTY

Clinton Mining Division
British Columbia, Canada

GEOLOGY and 2007 ROCK SAMPLE, GRID and DDH LOCATIONS WITH RESULTS

UTM Zone 10	NAD 83	NTS: 093A.006,007 092P.097	FIG. 4
By: D. BLANN, P. Eng.		DATE: April 2008	



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. E. BLANN
17503

Legend

- 2007 Soil Sample Grid Station
- Soil Sample result ppm Cu
- 95 percentile Cu contour

SCALE 1: 10,000

0 — 500

METRES

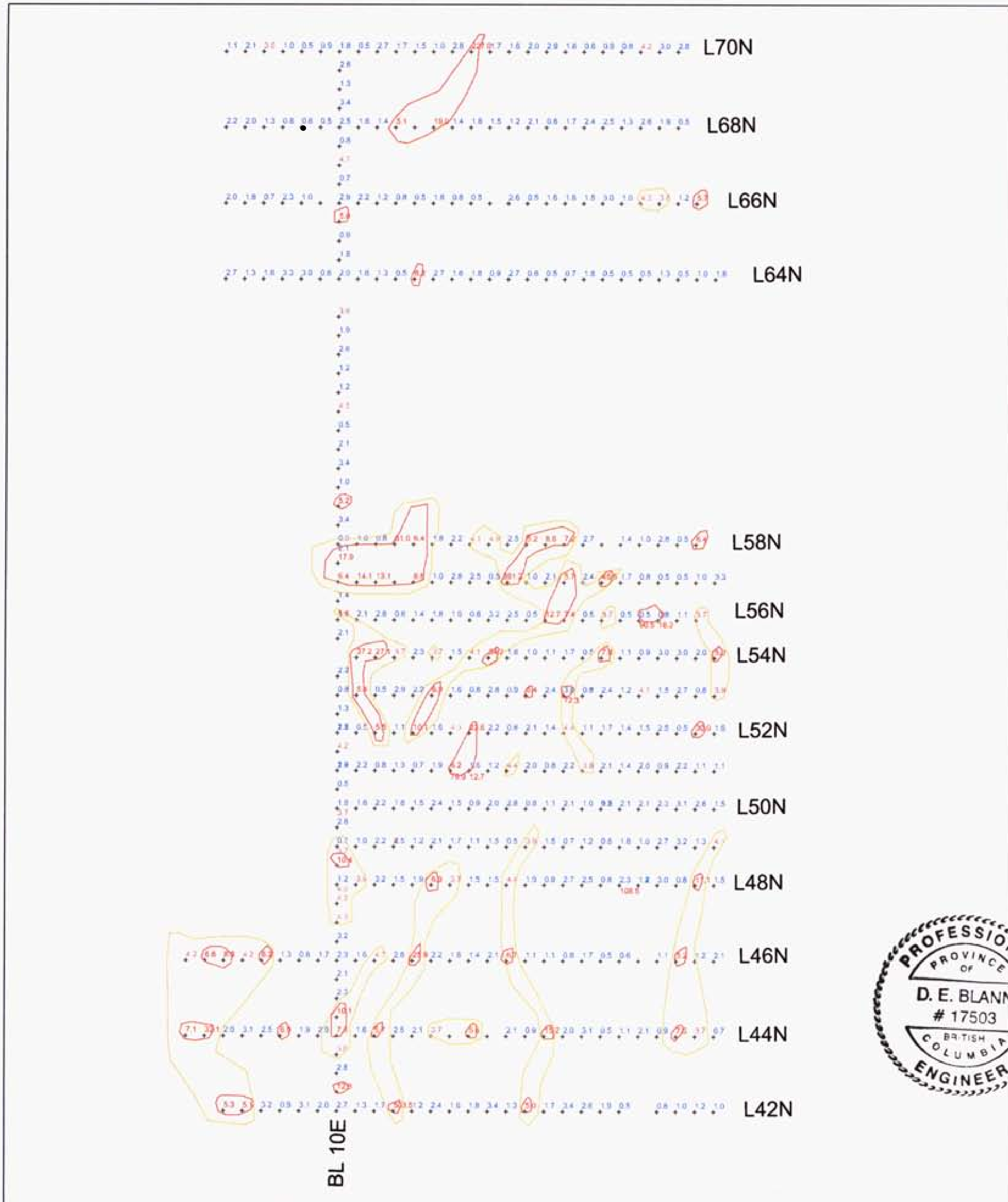
HAPPY CREEK MINERALS LTD.

HAWK PROPERTY

Clinton Cariboo Mining Division
British Columbia, Canada

SOIL GEOCHEMISTRY ppm Cu

UTM Zone 10 NAD 83	NTS: 093A.006,007 092P.097	FIG.
By: D. BLANN, P. Eng.	DATE: April 2008	5



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. E. BLANN
17503

Legend

- 2007 Soil Sample Grid Station
- Soil Sample result ppb Au
- 95 percentile Au contour
- 90 percentile Au contour

SCALE 1: 10,000

0 — 500

METRES

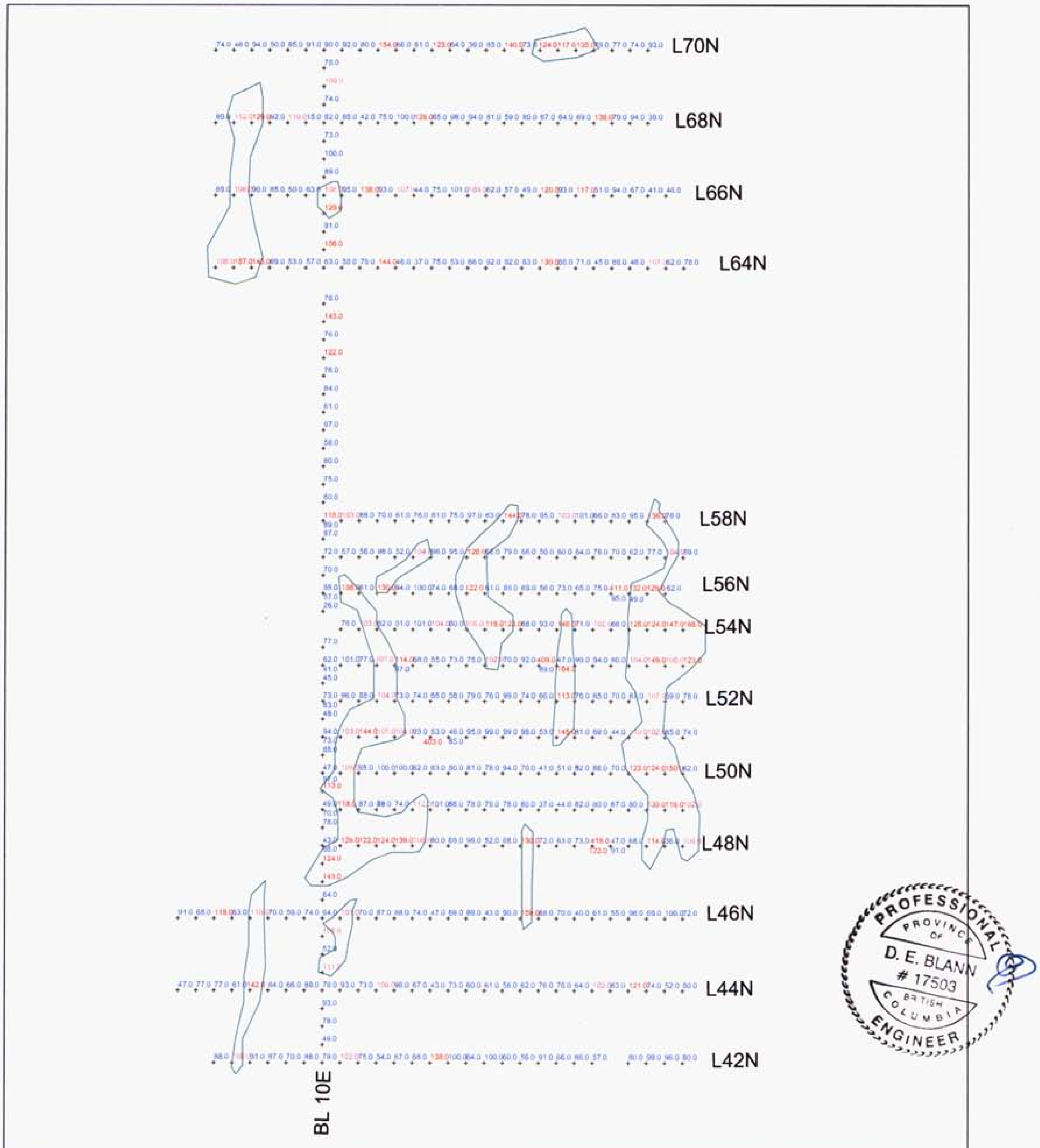
HAPPY CREEK MINERALS LTD.

HAWK PROPERTY

Clinton Cariboo Mining Division
British Columbia, Canada

SOIL GEOCHEMISTRY ppb Au

UTM Zone 10 NAD 83	NTS: 093A.006,007 092P.097	FIG.
By: D. BLANN, P. Eng.	DATE: April 2008	6



Legend

- 2007 Soil Sample Grid Station
- 87.0 Soil Sample result ppm Zn
- 95 percentile Zn contour

SCALE 1: 10,000

0 — 500

METRES

HAPPY CREEK MINERALS LTD.

HAWK PROPERTY

Clinton Cariboo Mining Division
British Columbia, Canada

SOIL GEOCHEMISTRY ppm Zn

UTM Zone 10 NAD 83	NTS: 093A.006,007 092P.097	FIG.
By: D. BLANN, P. Eng.	DATE: April 2008	7

Appendix 1

Assay Certificates

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Happy Creek Minerals Ltd. PROJECT Hawk File # A703701

2304 - 1066 W. Hastings S, Vancouver BC V6E 3X2 Submitted by: David Blann

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.2	2.0	2.7	49	<.1	4.0	4.8	554	1.95	<.5	2.1	<.5	3.7	59	<.1	<.1	.1	44	.54	.089	7	8	.64	252	.146	2	1.01	.085	.54	.1	<.01	2.5	.4	<.05	6	<.5
C184335	7.1	2786.3	1.4	22	2.3	7.4	9.6	481	1.91	4.9	.2	106.0	.1	239	.3	.2	.1	67	2.21	.131	1	19	.55	36	.129	5	.98	.056	.08	.2	.02	4.4	<.1	.08	4	1.4
C184336	4.2	146.0	.4	23	<.1	9.1	7.0	301	1.56	.6	.2	3.4	.3	29	.1	.1	<.1	57	1.16	.156	3	36	.70	46	.099	1	.63	.073	.11	.2	<.01	4.0	<.1	<.05	3	<.5
C184337	5.1	507.4	.8	20	.2	8.0	12.5	478	1.73	1.3	.1	83.2	.3	166	.1	.1	.1	58	2.13	.248	3	14	.87	125	.133	6	.98	.079	.19	.2	.02	3.4	<.1	<.05	3	<.5
C184338	2.4	2112.2	.7	12	1.0	7.0	5.5	249	1.13	2.5	.1	20.2	.1	160	<.1	.1	<.1	52	1.58	.108	1	15	.43	22	.132	5	.67	.020	.11	.2	.05	2.8	<.1	<.05	2	.9
C184381	84.5	3962.7	2.5	63	3.6	11.6	19.1	487	2.88	1.4	.1	61.6	.2	93	1.7	.1	.1	126	1.24	.312	2	8	.88	66	.120	1	1.22	.039	.83	.2	.02	1.5	.1	.10	4	1.2
C184382	18.4	190.6	3.4	37	.1	51.4	17.7	763	3.46	.9	.1	15.2	.2	85	.1	.1	<.1	79	1.56	.049	2	116	1.75	53	.080	1	1.34	.019	.14	.2	.46	6.6	<.1	.52	5	.7
RE C184382	19.0	190.3	3.5	37	.1	53.2	18.7	769	3.49	.8	.1	11.5	.2	87	.1	.1	<.1	79	1.58	.049	2	121	1.77	54	.081	1	1.37	.021	.14	.2	.50	6.6	<.1	.51	6	.7
C184383	2.7	286.7	1.0	63	.2	16.2	23.3	593	4.54	1.9	.2	31.8	.1	53	.1	<.1	<.1	152	1.34	.166	2	23	1.42	23	.188	4	1.57	.148	.82	.2	<.01	6.5	<.1	<.05	7	<.5
C184384	76.0	968.0	.7	49	.7	18.1	24.4	674	4.20	4.6	.2	8.8	.1	39	.1	.1	.1	131	1.37	.138	1	43	1.48	57	.165	2	1.29	.100	.54	.1	.04	7.0	<.1	<.05	5	.9
C184385	4.5	351.5	1.4	44	.2	12.9	19.6	540	4.24	1.0	.2	4.9	.2	62	.1	<.1	.1	144	1.36	.161	2	18	1.11	44	.185	2	1.27	.101	.43	.1	<.01	5.5	.1	<.05	5	<.5
C184386	2.7	77.2	1.3	35	<.1	13.0	15.4	438	3.46	1.8	.1	1.2	.1	91	.1	<.1	<.1	110	1.21	.163	1	21	.87	22	.153	2	.99	.075	.18	.2	<.01	4.3	<.1	<.05	5	<.5
C184387	2.3	1761.6	1.0	23	1.2	3.9	10.6	448	2.75	.7	.4	84.5	.4	52	.1	.2	.2	105	1.30	.216	2	7	.76	84	.113	3	.89	.066	.14	.3	.44	3.8	<.1	<.05	4	1.2
C184388	3.2	1838.7	12.6	49	2.7	21.9	19.9	1129	2.87	<.5	<.1	367.3	.1	109	.8	.1	1.2	89	3.98	.085	1	62	2.39	70	.028	<1	1.61	.009	.10	.5	.25	8.1	<.1	<.05	5	1.2
C184389	4.8	4069.3	2.2	58	12.6	13.3	16.6	220	3.44	6.9	<.1	1411.9	.1	19	1.8	.2	.6	54	.60	.021	1	51	.58	36	.008	1	.56	.004	.05	.6	.05	5.8	<.1	.31	2	4.3
C184390	2.6	741.1	.5	22	.7	4.0	10.7	336	1.92	<.5	.1	234.5	.1	26	<.1	.1	.1	70	.64	.095	1	15	.85	10	.081	1	.79	.021	.08	.2	.21	4.3	<.1	<.05	3	<.5
C184391	2.1	>10000	13.3	13	19.7	4.9	7.4	689	2.28	.8	<.1	2512.1	.1	163	2.4	<.1	14.6	64	6.41	.077	1	14	.44	41	.107	2	.47	.029	.27	.1	2.07	2.4	<.1	.56	2	7.1
C184392	35.1	145.5	2.7	61	.1	32.3	28.7	1071	4.52	.7	.2	13.6	.6	72	.1	.1	.1	107	2.41	.113	3	71	2.46	104	.126	<1	2.31	.032	.21	.2	.01	9.3	<.1	.62	8	.5
C184393	3.5	598.9	1.8	44	.5	13.9	28.2	339	6.64	.5	.3	54.6	.7	71	.2	.1	.1	361	1.38	.065	2	2	.96	66	.229	2	1.26	.081	.25	.2	.02	5.4	<.1	<.05	5	<.5
322551	2.0	911.3	1.7	25	.6	20.5	19.5	618	3.56	3.6	.2	28.0	.4	202	.2	.2	.1	87	3.71	.223	4	72	2.00	38	.133	5	2.06	.113	.28	.2	.02	6.5	<.1	<.05	8	<.5
322552	2.2	384.0	2.1	22	.1	14.2	13.4	518	2.44	3.1	.1	12.2	.1	169	.1	.2	<.1	78	2.11	.118	1	54	.92	106	.137	5	1.03	.052	.13	.1	.11	5.7	<.1	<.05	4	<.5
STANDARD DS7	21.0	115.8	73.0	418	.9	58.9	10.0	644	2.47	51.7	5.3	79.4	4.8	75	6.9	6.4	4.9	84	.99	.087	15	182	1.07	384	.126	42	1.02	.095	.44	4.1	.21	2.7	4.3	.22	5	3.8

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: Rock R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

JUN 25 2007

Data \ FA ____ DATE RECEIVED: JUN 11 2007 DATE REPORT MAILED:.................

BRITISH COLUMBIA CERTIFIED ASSAYER Raymond Chan

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

ASSAY CERTIFICATE

Happy Creek Minerals Ltd. PROJECT Hawk File # A703701R
2304 - 1066 W. Hastings S, Vancouver BC V6E 3X2 Submitted by: David Blann

SAMPLE#	Au** gm/mt
C184335	.15
C184338	.03
C184381	.06
C184384	.01
C184387	.08
C184388	.52
C184389	1.31
C184390	.27
C184391	2.38
322551	.04
STANDARD SL20	5.92

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP

Data FA ____ DATE RECEIVED: JUL 2 2007 DATE REPORT MAILED:.....JUL 17 2007

BRITISH COLUMBIA CERTIFIED ASSAYER
Raymond Chan

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

ASSAY CERTIFICATE

Happy Creek Minerals Ltd. PROJECT Hawk File # A703701R

2304 - 1066 W. Hastings S, Vancouver BC V6E 3X2 Submitted by: David Blann

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag gm/mt	Ni %	Co %	Mn %	Fe %	As %	Sr %	Cd %	Sb %	Bi %	Ca %	P %	Cr %	Mg %	Al %	Na %	K %	W %	Hg %
C184335	.001	.281	<.01	<.01	<2	.001	.001	.05	2.14	<.01	.035	<.001	.001	<.01	2.71	.117	.002	.56	1.27	.07	.08	.001	<.001
C184338	<.001	.204	<.01	<.01	<2	.001	<.001	.03	1.30	<.01	.025	<.001	<.001	<.01	2.00	.103	.002	.43	.90	.02	.11	<.001	<.001
C184381	.009	.394	<.01	<.01	3	.001	.002	.05	3.05	<.01	.013	<.001	.001	<.01	1.40	.302	.001	.90	1.36	.06	.81	.001	<.001
C184384	.008	.097	<.01	<.01	<2	.002	.002	.07	4.50	<.01	.005	<.001	<.001	<.01	1.64	.127	.004	1.55	1.43	.13	.52	<.001	<.001
C184387	<.001	.172	<.01	<.01	<2	<.001	.001	.05	2.89	<.01	.007	<.001	<.001	<.01	1.54	.199	.001	.78	1.04	.09	.16	<.001	<.001
C184388	<.001	.176	<.01	<.01	3	.002	.002	.11	2.88	<.01	.012	<.001	<.001	<.01	4.02	.076	.006	2.30	1.57	.01	.11	.001	<.001
C184389	<.001	.394	<.01	<.01	12	.001	.001	.02	3.55	<.01	.002	<.001	<.001	<.01	.60	.019	.005	.56	.56	<.01	.05	<.001	<.001
C184390	<.001	.074	<.01	<.01	<2	<.001	.001	.03	1.88	<.01	.003	<.001	<.001	<.01	.67	.084	.002	.80	.81	.02	.10	.001	<.001
C184391	<.001	2.109	<.01	<.01	17	<.001	.001	.07	2.26	<.01	.018	<.001	.001	<.01	6.32	.066	.001	.63	.52	.04	.24	.001	<.001
322551	<.001	.093	<.01	<.01	<2	.002	.002	.06	3.58	<.01	.024	<.001	<.001	<.01	3.87	.202	.007	1.96	2.13	.13	.26	<.001	<.001
STANDARD R-3	.075	.812	2.01	4.07	200	.544	.061	.07	30.34	.04	.003	.024	.035	<.01	1.33	.048	.011	1.08	1.09	.04	.41	.001	.002

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: ROCK PULP

Data ! FA ____ DATE RECEIVED: JUL 2 2007 DATE REPORT MAILED:.......... 2007

CERTIFIED ASSAYER

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Happy Creek Minerals Ltd. PROJECT Hawk File # A704824 Page 1
2304 - 1066 W. Hastings S, Vancouver BC V6E 3X2 Submitted by: D. Ridley

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.9	1.9	2.9	43	<.1	7.0	4.3	475	1.70	<.5	1.8	<.5	3.5	38	<.1	<.1	1	33	39	.074	6	60	57	182	.099	1	83	.047	.45	1	<.01	1.8	4	<.05	4	<.5
HK L70N 700E	.8	14.8	4.3	74	.1	14.8	8.6	701	1.57	2.4	.3	1.1	1.3	18	.3	.2	.1	40	.23	099	5	26	33	120	069	2	1.16	.010	.06	.1	.02	2.1	.1	<.05	5	<5
HK L70N 750E	9	34.7	3.9	46	<.1	27.1	11.9	312	2.20	3.6	3	2.1	1.6	19	.2	3	1	56	30	090	6	38	54	101	084	2	1.48	.010	.09	.2	.02	2.5	1	<.05	5	<.5
HK L70N 800E	6	20.4	4.1	94	1	41.6	14.8	445	2.42	2.4	.4	3.6	2.2	21	.2	.2	.1	54	32	.138	8	76	79	162	109	2	1.79	013	.17	.2	.02	2.7	1	<.05	6	<.5
HK L70N 850E	6	13.6	6.0	50	1	16.5	8.7	210	1.56	1.1	.3	1.0	1.4	11	1	.1	.1	38	.14	.088	4	28	35	106	084	1	1.24	.012	.06	.2	.02	1.4	.1	<.05	4	<.5
HK L70N 900E	6	20.2	5.8	85	2	26.6	10.9	501	1.93	1.5	3	<.5	1.5	21	1	1	1	42	29	.127	5	31	43	180	092	2	1.62	.014	.08	.1	.02	2.0	1	<.05	6	<.5
HK L70N 950E	8	43.6	4.2	91	<.1	46.0	17.0	563	2.36	1.1	3	.9	1.4	15	1	1	1	58	.30	097	5	77	94	151	123	1	1.47	.015	.19	.1	.01	2.1	1	<.05	6	<.5
HK L70N 1050E	8	18.5	5.2	92	1	20.6	14.6	504	2.32	9	.2	.5	1.3	17	1	.1	1	62	29	072	5	30	59	120	115	1	1.25	021	17	.1	.02	2.0	.1	<.05	5	<.5
HK L70N 1100E	1.0	63.5	3.6	80	2	30.6	16.2	275	2.34	1.0	2	2.7	1.1	18	1	1	1	59	32	.058	3	56	78	91	117	2	1.51	.017	.16	.1	.02	2.2	.1	<.05	5	<5
HK L70N 1150E	8	49.2	5.6	154	.2	30.5	18.8	384	2.87	3.4	3	1.7	1.3	19	3	2	1	67	30	285	3	40	77	134	105	2	2.10	011	10	.2	.02	2.4	1	<.05	7	<.5
HK L70N 1200E	1.2	43.4	4.5	66	<.1	29.6	20.4	327	2.96	1.1	2	1.5	1.0	16	1	.1	1	82	34	072	4	43	1.03	79	156	1	1.75	.021	.20	1	01	2.3	1	<.05	7	<.5
HK L70N 1250E	4	13.9	2.7	61	<.1	91.0	26.0	369	2.94	1.0	.2	1.0	.9	24	<.1	1	1	72	47	094	3	174	2.35	128	.197	1	2.34	015	46	1	01	2.1	1	<.05	7	<.5
HK L70N 1300E	6	62.6	5.2	123	3	37.9	23.9	495	3.46	1.8	.3	2.8	1.6	20	2	1	1	88	37	165	5	62	1.20	135	144	1	2.15	017	22	1	01	2.8	.1	<.05	8	<5
HK L70N 1350E	8	59.6	3.7	64	2	29.6	13.1	226	2.33	3.2	3	227.0	1.3	15	1	2	1	57	23	070	4	39	61	72	086	2	1.74	.010	.07	.1	01	2.2	1	<.05	5	<.5
HK L70N 1400E	1.0	25.5	4.2	39	<.1	21.0	10.2	269	1.85	2.3	4	1.7	1.9	14	1	2	1	47	21	060	6	32	44	46	085	1	1.15	014	06	.1	.01	2.8	.1	<.05	4	<5
HK L70N 1450E	1.3	22.7	4.5	85	1	29.5	12.8	467	2.39	2.5	4	1.6	2.1	20	2	2	1	55	28	157	7	42	62	130	101	2	1.74	.012	10	1	02	2.8	1	<.05	5	<.5
HK L70N 1500E	1.5	21.2	8.2	140	2	28.6	12.8	438	2.54	4.1	1.2	2.0	2.6	37	3	2	1	49	.51	.243	9	41	49	168	091	1	2.16	.014	.09	1	.02	3.7	1	<.05	6	.6
HK L70N 1550E	7	25.9	4.2	73	.2	34.8	14.4	257	2.86	4.0	5	2.9	3.0	23	.2	3	.1	70	36	.097	10	52	73	91	123	2	1.89	015	14	.1	.02	3.4	1	<.05	6	<.5
HK L70N 1600E	5	18.7	4.6	124	2	30.0	14.7	439	2.60	1.5	.4	1.6	2.3	23	.2	2	.1	60	34	.065	8	53	81	135	128	1	1.72	.015	.17	.1	.01	3.4	.1	<.05	6	<.5
RE HK L70N 1600E	4	18.9	4.8	124	2	29.8	14.6	448	2.65	1.7	.5	1.8	2.7	25	.2	.2	.1	62	.37	.067	9	55	84	134	140	1	1.80	.019	.18	.1	.01	3.6	.1	<.05	6	<.5
HK L70N 1650E	4	36.5	3.5	117	2	64.2	28.6	717	3.87	1.7	3	.6	1.1	25	1	.1	.1	112	49	067	5	95	1.96	168	.206	1	2.43	027	.78	.1	01	3.7	.1	<.05	8	<.5
HK L70N 1700E	6	18.0	5.9	135	3	39.9	15.2	377	2.79	2.2	.5	.9	3.0	21	2	2	1	57	30	132	9	51	70	160	132	2	2.31	019	22	.1	.02	3.4	.1	<.05	7	<5
HK L70N 1750E	4	8.8	4.4	79	<.1	26.5	19.1	452	2.72	1.2	.2	.8	1.2	25	.1	1	1	64	39	138	4	69	1.08	182	129	1	1.51	016	26	.1	.01	2.3	<.1	<.05	7	<.5
HK L70N 1800E	4	24.7	2.7	77	<.1	41.9	26.1	484	3.64	1.7	2	4.2	1.3	27	1	1	1	96	46	113	4	93	1.70	88	154	1	2.00	.013	27	1	.01	2.7	.1	<.05	7	<5
HK L70N 1850E	7	34.8	4.6	74	2	45.0	16.4	296	3.05	4.3	5	3.0	2.4	26	.2	3	1	70	38	.134	8	73	89	103	120	2	2.16	013	14	.1	02	3.6	1	<.05	6	5
HK L70N 1900E	1.0	86.0	6.1	93	4	54.0	19.3	1221	3.53	5.6	1.1	2.8	2.7	41	5	4	2	83	.79	041	12	78	94	158	135	3	2.39	025	20	2	06	6.8	2	<.05	7	.8
HK L68N 700E	9	28.5	4.2	69	<.1	27.5	16.2	760	2.39	3.3	4	2.2	1.8	20	1	3	1	62	32	061	7	45	61	91	109	1	1.54	011	10	1	01	2.9	1	<.05	5	<5
HK L68N 750E	1.3	21.6	5.9	112	2	30.6	11.7	369	2.69	3.3	5	2.0	3.1	21	3	.2	1	58	29	102	11	45	73	149	116	1	1.86	013	.14	1	.01	3.1	.1	<.05	6	<5
HK L68N 800E	5	39.7	4.4	129	2	42.3	15.6	518	2.50	1.5	.4	1.3	1.7	19	2	.1	.1	62	31	108	7	84	98	145	131	1	1.83	.012	14	1	02	2.2	1	<.05	6	<5
HK L68N 850E	8	23.2	4.4	92	<.1	19.6	11.6	340	2.07	1.4	.4	.8	1.7	18	1	1	.1	49	28	081	7	30	46	141	095	2	1.56	014	.10	1	01	2.3	.1	<.05	5	<.5
HK L68N 900E	8	8.8	4.9	110	2	14.4	7.4	640	1.65	1.1	3	.6	1.5	18	1	1	.1	33	.28	.184	5	23	28	249	073	2	1.35	011	07	1	03	1.9	.1	<.05	5	<5
HK L68N 950E	3	1.5	2.3	15	<.1	5.7	3.4	98	73	<.5	1	<.5	3	4	<.1	<.1	<.1	26	.08	.034	1	13	.19	38	.061	1	30	013	08	<.1	.01	6	<.1	<.05	2	<.5
HK L68N 1050E	9	22.2	5.7	88	.1	15.3	7.6	532	1.23	.5	.2	1.6	6	12	2	<.1	.1	33	.17	130	3	40	.33	127	.072	1	92	.010	.06	.2	.02	1.1	<.1	<.05	4	<.5
HK L68N 1100E	6	19.6	6.5	42	.2	9.8	8.2	351	1.80	9	3	1.4	1.3	16	.1	<.1	.1	46	22	.262	3	17	.30	160	089	1	1.17	013	08	.1	.02	1.7	<.1	<.05	5	<.5
HK L68N 1150E	1.1	79.3	3.1	75	.1	33.0	18.1	420	2.98	2.7	2	5.1	1.0	24	.1	.3	1	80	46	.074	4	58	82	66	.103	2	1.53	015	14	.2	.02	3.4	.1	<.05	5	<5
HK L68N 1200E	1.0	28.9	4.2	100	2	30.7	16.0	260	2.76	2.5	3	4.0	1.6	20	.2	2	1	74	36	084	6	50	74	87	124	1	1.86	017	12	.1	02	2.7	1	<.05	6	<.5
HK L68N 1250E	7	111.5	3.3	128	.3	30.0	24.4	495	3.71	1.3	.2	19.0	.9	19	.1	.2	1	111	37	067	3	43	1.24	81	.156	1	1.94	.020	17	1	01	2.9	<.1	<.05	7	<5
HK L68N 1300E	6	28.8	4.1	86	2	32.6	13.5	387	2.35	2.7	4	1.4	2.0	21	2	2	.1	56	29	087	7	49	74	103	.104	2	1.56	011	13	1	.02	2.8	.1	<.05	5	<5
STANDARD DS7	21.6	113.2	73.7	404	9	59.1	10.3	664	2.53	44.9	5.2	79.2	4.9	79	6.5	6.0	4.4	91	1.00	.077	15	233	1.12	398	.126	40	1.09	.099	47	4.3	.21	2.9	4.4	.23	5	4.1

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C <u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

Data ✓ FA _____ **DATE RECEIVED:** JUL 11 2007 **DATE REPORT MAILED:** AUG 0 6 2007

Raymond Chan

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.9	1.8	3.3	46	<.1	6.4	4.4	488	1.69	<.5	1.6	6	3.4	41	<.1	<.1	<.1	33	.38	.075	5	59	.55	201	.107	1	.84	.050	.47	.1	<.01	1.9	.4	<.05	4	<.5
HK L68N 1350E	.7	25.2	4.1	98	.1	25.7	12.4	425	2.04	3.4	.3	1.8	1.4	17	.2	.3	.1	47	.26	.077	5	36	.56	82	.082	1	1.37	.009	.12	.1	.02	2.4	.1	<.05	4	<.5
HK L68N 1400E	.6	33.2	4.0	94	.1	28.6	13.9	329	2.34	2.7	.3	1.5	1.5	18	.1	.2	.1	52	.27	.072	6	45	.67	83	.096	2	1.53	.010	.09	.1	.01	2.2	.1	<.05	5	<.5
HK L68N 1450E	.5	18.0	3.3	81	.2	20.0	8.7	257	1.52	1.4	.2	1.2	.9	14	.1	.1	.1	36	.19	.049	4	29	.37	87	.075	1	1.23	.012	.07	.1	.01	1.3	.1	<.05	4	<.5
HK L68N 1500E	.5	26.0	3.5	59	.1	25.5	13.8	273	2.36	2.1	.3	2.1	1.8	18	.1	.2	.1	56	.28	.070	5	41	.72	110	.108	1	1.36	.011	.19	.1	.01	2.3	.1	<.05	4	<.5
HK L68N 1550E	.5	12.1	3.1	80	<.1	28.7	21.5	517	3.03	1.3	.1	.6	.8	20	.1	.1	.1	76	.34	.069	3	58	1.17	121	.141	1	1.64	.013	.32	.1	.01	2.0	.1	<.05	6	<.5
HK L68N 1600E	.5	37.0	2.9	67	<.1	34.5	20.6	400	3.00	2.1	.2	1.7	1.2	17	.1	.2	.1	78	.26	.078	5	59	1.15	109	.132	1	1.73	.012	.22	.1	.01	2.2	.1	<.05	6	<.5
HK L68N 1650E	.4	91.7	2.3	64	<.1	39.1	29.8	578	4.00	5.2	.2	2.4	1.0	29	.1	.1	<.1	116	.48	.138	3	61	1.97	138	.154	1	2.24	.013	.35	.1	<.01	2.7	.1	<.05	8	<.5
HK L68N 1700E	.7	32.8	5.8	69	.2	29.3	11.0	587	2.38	2.4	.7	2.5	2.5	21	.2	.2	.1	56	.29	.028	10	44	.63	106	.123	1	1.58	.018	.21	.1	.02	3.8	.1	<.05	5	<.5
HK L68N 1750E	.5	34.3	4.4	138	.2	35.0	19.1	361	3.07	2.7	.3	1.3	2.0	18	.1	.2	.1	73	.25	.162	6	55	1.06	137	.141	1	1.94	.014	.22	.1	.01	2.9	.1	<.05	7	<.5
HK L68N 1800E	.8	16.6	4.4	79	.1	24.6	11.2	346	1.89	1.9	.3	2.6	1.4	17	.1	.2	.1	44	.20	.104	5	29	.40	103	.084	1	1.45	.010	.08	.1	.02	1.8	.1	<.05	5	<.5
HK L68N 1850E	.7	14.9	6.1	94	.2	24.3	10.9	312	2.03	2.5	.3	1.9	1.6	15	.3	.2	.1	43	.16	.149	5	32	.43	107	.098	1	1.72	.011	.08	.1	.01	1.9	.1	<.05	6	<.5
HK L68N 1900E	.6	9.3	4.3	39	.1	10.5	6.5	282	1.22	1.3	.2	.5	1.0	15	.1	.1	.1	32	.17	.119	3	16	.22	97	.068	1	.78	.012	.05	.1	.01	1.2	<.1	<.05	3	<.5
HK L66N 700E	.7	42.9	4.3	69	.1	35.0	13.7	301	2.78	3.0	.5	2.0	2.9	23	.1	.3	.1	65	.30	.083	9	50	.78	107	.126	1	1.72	.012	.21	.2	.01	3.0	.1	<.05	5	<.5
HK L66N 750E	.8	29.9	4.2	108	.2	30.0	12.6	1246	2.46	1.9	.3	1.8	2.3	65	.2	.2	.1	55	1.62	.187	7	45	.82	179	.114	16	1.71	.031	.36	.1	.01	2.5	.1	<.05	5	<.5
HK L66N 800E	.9	29.2	3.8	90	.1	20.7	10.7	372	1.87	1.1	.3	.7	1.3	17	.1	.2	.1	45	.24	.059	5	32	.48	111	.094	1	1.30	.011	.09	.1	.01	1.7	.1	<.05	4	<.5
HK L66N 850E	.8	13.6	5.2	85	.1	14.8	7.6	294	1.48	1.1	.2	2.3	1.3	14	.2	.1	.1	33	.21	.120	4	23	.29	154	.077	2	1.03	.011	.07	.1	.01	1.3	<.1	<.05	4	<.5
HK L66N 900E	1.8	20.8	6.7	50	.3	20.3	9.5	174	2.26	1.8	.4	1.0	1.9	21	.2	.2	.1	53	.40	.070	7	36	.51	76	.110	1	1.66	.011	.09	.1	.02	2.2	.1	<.05	6	<.5
HK L66N 950E	1.7	88.9	3.7	63	<.1	40.2	18.5	342	3.15	2.9	.4	4.0	2.3	21	.1	.3	.1	81	.33	.069	7	67	1.01	96	.141	1	1.70	.012	.33	.2	.01	2.9	.1	<.05	5	<.5
HK L66N 1050E	.7	113.4	3.2	95	.2	34.7	19.2	321	2.99	1.3	.3	2.2	1.3	19	.1	.1	.1	78	.30	.081	4	51	.97	104	.137	1	1.73	.017	.18	.1	.01	2.1	.1	<.05	6	<.5
HK L66N 1100E	.5	23.8	4.6	138	.2	34.8	20.6	371	3.10	1.6	.3	1.2	2.0	17	.1	.1	.1	75	.24	.171	5	45	.97	110	.130	1	1.84	.011	.23	.2	.01	2.1	.1	<.05	6	<.5
HK L66N 1150E	.6	29.3	3.9	93	.2	32.9	15.1	269	2.57	1.4	.3	.8	2.2	19	.2	.1	.1	56	.22	.129	6	34	.67	108	.104	1	1.60	.010	.10	.1	.01	1.9	.1	<.05	5	<.5
HK L66N 1200E	.7	19.4	4.9	107	.2	24.2	11.2	338	2.11	1.7	.3	<.5	1.8	15	.2	.1	.1	46	.22	.181	6	33	.46	118	.088	1	1.46	.012	.09	.1	.01	2.0	.1	<.05	5	<.5
HK L66N 1250E	.7	48.8	3.1	44	<.1	35.8	15.5	254	2.70	2.2	.3	1.8	2.0	20	<.1	.2	.1	70	.35	.065	6	54	.90	54	.117	<1	1.60	.013	.13	.2	<.01	2.7	.1	<.05	4	<.5
HK L66N 1300E	1.1	50.4	4.0	75	.1	43.9	17.2	364	3.11	3.4	.3	.8	1.6	19	.1	.3	.1	72	.27	.108	5	56	.84	113	.119	2	2.21	.010	.08	.1	.02	2.5	.1	<.05	6	<.5
HK L66N 1350E	2.2	28.3	4.5	101	.2	21.4	10.5	567	2.21	2.0	.3	<.5	1.0	15	.2	.2	.1	48	.19	.144	4	30	.44	118	.085	1	1.70	.012	.06	.2	.03	1.9	.1	<.05	6	<.5
HK L66N 1400E	.9	52.5	4.6	103	.2	35.6	18.3	676	2.73	2.4	.3	3.5	1.2	23	.3	.2	.1	67	.37	.204	4	62	.92	126	.113	2	1.82	.015	.18	.1	.02	2.4	.1	<.05	6	<.5
HK L66N 1450E	1.6	42.8	3.4	62	<.1	32.8	17.9	260	3.00	3.5	.3	2.6	1.4	20	.1	.3	.1	80	.30	.140	4	64	.88	89	.106	1	1.69	.012	.09	.2	.01	2.9	.1	<.05	5	<.5
HK L66N 1500E	.8	8.4	3.9	57	<.1	17.6	11.0	406	1.66	1.1	.1	<.5	.7	16	<.1	.2	.1	42	.26	.075	3	37	.45	86	.075	1	.95	.014	.07	.1	.01	1.6	<.1	<.05	4	<.5
HK L66N 1550E	.8	17.8	4.0	49	.1	26.4	13.2	263	2.06	2.6	.2	1.6	1.1	14	.1	.2	.1	53	.22	.048	4	48	.64	91	.110	1	1.32	.014	.13	.1	.01	1.7	.1	<.05	5	<.5
RE HK L66N 1550E	.8	17.1	3.9	46	.1	25.8	12.7	259	2.00	2.4	.2	1.0	1.1	14	<.1	.2	.1	51	.21	.049	4	47	.65	90	.105	1	1.34	.015	.13	.2	.01	1.7	.1	<.05	4	<.5
HK L66N 1600E	.5	38.3	3.6	120	.1	35.3	22.9	525	3.11	1.6	.2	1.6	.9	20	.1	.1	.1	80	.32	.104	3	58	1.21	117	.145	1	1.97	.015	.24	.1	.01	2.3	.1	<.05	7	<.5
HK L66N 1650E	.6	23.8	4.3	93	.1	32.4	16.1	351	2.63	1.5	.3	1.5	1.6	20	.1	.1	.1	58	.26	.123	5	49	.79	160	.114	1	1.73	.014	.10	.1	.02	2.0	.1	<.05	6	<.5
HK L66N 1700E	.5	37.4	4.0	117	.1	54.5	21.1	512	2.74	2.0	.2	3.0	1.0	20	.2	.1	.1	66	.31	.171	3	122	1.21	127	.124	1	2.01	.011	.13	.1	.01	1.7	<.1	<.05	6	<.5
HK L66N 1750E	1.1	11.5	5.4	51	.1	12.0	6.7	406	1.29	1.5	.2	1.0	1.1	14	.2	.1	.1	33	.17	.093	4	23	.27	95	.078	<1	.84	.014	.06	.1	.02	1.4	<.1	<.05	4	<.5
HK L66N 1800E	.7	16.8	4.6	94	.3	26.0	11.9	243	2.25	2.7	.4	4.3	2.5	24	.2	.3	.1	49	.30	.120	8	38	.55	102	.099	2	1.60	.011	.10	.1	.02	2.3	.1	<.05	5	<.5
HK L66N 1850E	.8	47.9	5.9	67	.2	41.9	16.0	418	3.09	3.5	.6	3.6	4.3	26	.2	.4	.2	69	.38	.036	19	56	.80	102	.139	2	1.67	.019	.29	.1	.03	5.3	.2	<.05	5	<.5
HK L66N 1900E	1.8	38.3	5.1	41	.2	18.7	8.5	340	1.60	2.2	.5	1.2	.8	67	.5	.2	.1	36	1.42	.052	5	28	.48	99	.061	5	.97	.017	.07	.1	.06	2.2	.1	.09	3	1.1
STANDARD DS7	20.9	116.3	69.2	434	1.0	59.9	10.5	680	2.56	50.9	4.9	81.1	4.5	72	6.6	6.1	4.8	94	.96	.084	13	218	1.09	391	.133	40	1.03	.100	.48	4.1	.21	2.8	4.3	.21	5	3.7

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date FA ____

Happy Creek Minerals Ltd. PROJECT Hawk FILE # A704824 Page 3

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.9	1 9	3 1	45	< 1	6.2	4 4	513	1.75	<.5	1.9	<.5	3.6	44	< 1	<.1	.1	35	.45	079	6	64	.63	192	.108	1	90	.050	.50	.1	<.01	2.0	.4	<.05	4	<.5
HK L66N 1950E	1 4	228 9	6.3	46	.7	48 0	9.8	376	2.31	2.5	2.5	5.7	.7	121	.8	.6	2	40	2 62	132	26	45	.72	167	053	14	1 65	028	21	.1	.12	3.4	.2	13	5	3.7
HK L66N 2000E (empty)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
HK L64N 700E	2 1	135.2	8 9	106	5	51.5	19.1	1533	3 45	3.0	.9	2.7	3.7	45	.9	.4	2	64	86	040	12	54	.83	223	139	3	2.56	.030	.27	.2	05	6.1	.2	<.05	7	7
HK L64N 750E	6	21 6	5.6	157	.2	26 6	14.2	400	2 53	1.8	4	1.3	2.6	27	.3	2	.1	51	31	242	7	45	61	186	100	2	1.67	.013	.13	.2	.03	3.2	.1	<.05	6	< 5
HK L64N 800E	7	39 5	5 1	145	.3	38.1	15 0	306	2 93	2.4	.5	1.6	3.0	21	.2	3	.1	65	25	135	9	52	.75	134	.120	2	2.26	.014	15	.2	.03	4.3	.1	<.05	7	<.5
HK L64N 850E	8	66 8	3 2	69	.1	38.5	16 6	279	2.84	2 2	4	3.3	2 5	25	.2	3	1	73	.40	.079	8	67	98	68	130	2	1.71	.014	.18	.2	.01	3.1	.1	<.05	5	<.5
HK L64N 900E	1 3	86 6	5 2	53	1	22 5	15 1	471	2.62	3.1	5	3 0	1.7	35	2	2	1	60	59	079	6	33	57	74	088	4	1 18	.021	15	2	02	3.5	.1	<.05	4	< 5
HK L64N 950E	1 0	27 1	4 1	57	1	27 0	12.7	193	2 05	8	.3	6	1.4	22	1	1	1	58	.34	.019	5	59	.72	48	.132	2	1.28	018	.21	.1	01	1.8	1	<.05	5	<.5
HK L64N 1050E	1 1	113 2	4 2	58	2	62 6	28 7	486	3 94	2 2	.6	1.8	1 8	42	.1	2	1	120	60	024	6	107	1 65	70	182	2	2 25	019	28	1	.02	4.1	1	<.05	7	<.5
HK L64N 1100E	1 0	39 8	4 5	79	3	30 1	14 7	318	2 69	2 3	4	1 3	1.5	25	.2	2	1	71	37	131	5	45	67	93	106	2	1.96	018	.11	.2	.02	2.8	.1	<.05	6	<.5
HK L64N 1150E	8	13 8	7 6	144	2	21 7	12 6	387	2 37	1 9	.7	<.5	2 7	18	2	2	2	52	.21	227	8	37	.59	158	122	2	1.91	016	11	.2	03	2.5	.1	<.05	7	<.5
HK L64N 1200E	8	64 8	3 5	46	.2	59.0	19 5	352	3 14	2 5	9	6.2	1 9	38	1	2	1	88	66	031	7	78	1 24	68	161	2	1.85	032	.21	1	.02	4.3	.1	<.05	6	<.5
HK L64N 1250E	1 0	47 0	3 0	37	< 1	29 6	16.6	329	2 87	2.3	1.1	2.7	2 4	32	1	2	1	81	.52	040	9	58	1 01	65	139	1	1 57	023	.18	2	01	4.6	1	<.05	5	<.5
HK L64N 1300E	7	37 3	4 4	75	1	25 5	11 2	821	2.01	2 0	6	1 6	1.6	26	4	2	1	50	37	.082	7	34	52	116	092	1	1.51	012	.08	1	.02	2.4	1	< 05	5	< 5
HK L64N 1350E	7	31 2	3 6	53	1	30 1	11 6	254	2 41	2 2	.5	1 8	3 0	25	1	2	1	57	36	060	9	48	68	79	113	2	1.57	012	11	1	.01	3.0	.1	<.05	5	< 5
RE HK L64N 1350E	7	31 2	3 6	52	< 1	29 8	11.5	252	2 37	2.0	.5	1.8	3 1	25	1	2	1	58	36	059	10	47	65	80	115	1	1 52	012	11	.1	.01	3.1	.1	< 05	5	< 5
HK L64N 1400E	7	16 9	4 2	66	< 1	23 4	9 8	216	1 93	1.5	.4	9	2 5	16	1	2	1	46	.23	054	8	34	47	67	096	1	1.38	.014	.08	1	.01	2.4	1	<.05	4	< 5
HK L64N 1450E	6	15 6	5 3	92	1	20.6	11 2	413	2 01	1.2	.3	2 7	1 6	25	2	1	1	47	35	087	6	31	50	150	099	2	1.30	016	.10	1	.02	2.0	.1	<.05	5	< 5
HK L64N 1500E	5	13 8	4 9	82	< 1	21 0	17 5	389	2 58	1 4	.2	.6	8	27	2	< 1	1	72	46	136	2	36	72	112	113	2	1.28	.015	20	.1	.02	2.0	<.1	<.05	5	<.5
HK L64N 1550E	1.3	10 3	2 8	63	< 1	47 5	25.2	294	2 68	.8	.1	< 5	5	16	1	< 1	1	87	40	.011	2	132	1 52	50	215	1	1 78	.019	28	<.1	.01	2.0	.1	<.05	7	<.5
HK L64N 1600E	3	17 5	2 7	130	< 1	46.2	29 1	467	4 02	1 5	2	7	1 0	22	1	1	1	108	.46	.096	3	91	1 71	157	.200	1	2 23	.019	.34	1	.02	3.0	.1	< 05	8	< 5
HK L64N 1650E	6	17 7	4 3	88	< 1	23 0	12 6	310	2 29	1 7	3	1.8	1 9	22	1	.1	1	54	28	089	6	37	63	118	108	2	1 49	017	.11	.1	.01	2.3	.1	< 05	5	< 5
HK L64N 1700E	7	13 0	3 5	71	<.1	23.7	12.2	432	1 59	1 1	.2	<.5	8	12	1	< 1	.1	38	.17	.053	3	56	59	67	085	1	1 17	.011	.05	.1	01	1 3	.1	<.05	4	<.5
HK L64N 1750E	3	6 8	3 4	45	< 1	11 3	6 2	276	1 16	9	.3	< 5	2 1	15	.1	1	1	24	18	089	7	18	25	58	062	1	79	008	07	1	01	1.4	.1	<.05	3	< 5
HK L64N 1800E	3	13 7	2 8	69	2	28 8	9 9	161	1 86	1.5	.5	< 5	2.9	22	1	1	1	37	24	099	8	29	45	69	085	1	1 38	010	10	3	.02	2 1	1	< 05	4	< 5
HK L64N 1850E	3	12 7	2 9	46	< 1	28.2	10 1	190	1 87	1 3	6	1.3	3 9	15	1	1	1	35	22	074	11	31	57	56	078	1	1.15	009	12	.3	01	1.9	.1	<.05	3	< 5
HK L64N 1900E	5	9 1	4 8	107	2	32 0	11 4	333	2 01	1 4	1 0	5	2 7	19	2	1	1	33	23	202	7	31	42	129	080	2	1 65	011	11	1	02	2.1	.1	<.05	5	< 5
HK L64N 1950E	4	19 6	4.0	62	< 1	29 3	10 7	200	2 27	1 5	6	1 0	3 8	17	1	1	1	42	26	059	11	37	60	64	094	1	1 49	.010	16	1	.01	2.5	1	<.05	5	< 5
HK L64N 2000E	1 6	45 0	10 4	78	3	48.7	19 9	617	3 49	2.9	1 0	1.8	6 6	33	4	2	3	58	49	051	19	56	93	128	128	1	2 07	.018	41	2	02	4 7	.3	<.05	7	5
HK L56N 1050E	9	98 0	4 2	57	3	38 5	18.1	519	3 43	5.4	4	14 1	2 9	29	2	6	1	93	52	063	11	73	1.02	103	118	2	1 82	.018	.21	3	07	8 0	1	<.05	6	<.5
HK L56N 1100E	5	56 4	2 7	56	< 1	40.8	21.2	362	3.57	2 9	3	13.1	1.4	27	<.1	3	1	101	40	.088	6	99	1 33	67	134	2	1.88	.015	.20	.2	.01	3 8	1	<.05	7	< 5
HK L56N 1150E	3	7 3	3 5	98	< 1	59 6	25.8	455	3.06	2.2	1	3.5	7	25	1	1	1	77	29	145	2	157	1 64	115	168	1	1.83	011	25	.1	01	1.9	<.1	<.05	7	< 5
HK L56N 1200E	5	40 2	3 0	52	<.1	33.3	14 8	283	2 61	2 2	4	8.8	2.4	22	1	3	1	69	.30	045	8	59	80	77	120	1	1 56	.012	.09	.2	01	3.0	<.1	< 05	5	< 5
HK L56N 1250E	3	64 7	2 9	104	2	59.3	24 2	391	3.16	2.2	.2	1.0	1.2	35	2	1	1	82	42	123	4	131	1 58	135	150	2	2 19	020	21	.1	.01	3.0	1	< 05	7	<.5
HK L56N 1300E	5	79 9	4 3	96	.1	45.9	22 1	375	3.33	2 9	.3	2.8	1.5	26	1	1	1	79	.37	205	5	97	1 22	134	.138	1	2 17	016	.09	.1	.02	2.8	<.1	<.05	8	< 5
HK L56N 1350E	.5	124 0	3 6	95	.1	62 4	25 1	566	3 36	1.8	2	2.5	1.0	29	1	1	1	96	42	110	4	163	1.73	140	162	1	2 11	017	36	.1	02	2.2	1	<.05	7	< 5
HK L56N 1400E	1 1	63 5	3 9	128	.1	46 1	23.1	564	3 14	2 2	2	5	1 2	22	2	.1	1	83	39	.129	4	113	1.20	114	152	2	2.01	019	17	1	01	2.6	1	<.05	7	< 5
STANDARD DS7	20 0	104 8	70 6	383	8	56 4	9 4	632	2.35	45 6	5 1	76 6	4.7	76	6.2	6.0	4 6	85	97	074	14	215	1 05	380	120	41	1.02	094	45	4 2	.21	2.9	4 3	.21	5	3 7

Sample type SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ___

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SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
G-1	9	2.4	3.2	47	<.1	6.9	4.8	511	1.82	<.5	1.9	.6	3.7	43	<.1	<.1	.1	36	.42	.079	6	66	.64	193	112	1	.94	.052	.48	.1	<.01	2.0	.4	<.05	5	<.5
HK L56N 1450E	1.4	85.5	4.2	66	3	37.4	17.9	411	4.43	4.4	.4	391.2	1.6	18	.2	.7	.1	77	.31	.053	10	65	.74	179	.065	1	1.34	.009	.14	.2	.04	8.2	.1	<.05	4	.7
HK L56N 1500E	5	13.9	7.2	79	.2	16.3	8.8	373	1.78	1.7	.3	1.0	1.4	17	.4	.1	.2	40	.21	.156	5	32	.39	90	.090	1	1.08	.009	.07	.1	.02	1.7	<.1	<.05	6	<5
HK L56N 1550E	.6	78.1	5.3	66	2	34.9	17.3	312	3.27	2.8	.4	2.1	1.9	19	.1	.1	.1	77	.36	.227	5	60	.88	129	.137	1	2.18	.010	.15	.1	.02	2.9	.1	<.05	7	<.5
HK L56N 1600E	1.3	80.4	3.5	50	<.1	45.9	20.1	388	3.33	3.6	.4	5.7	2.0	24	.1	5	.1	87	.53	.063	6	110	1.22	81	.121	1	1.76	.011	.26	2	.02	5.6	.1	<.05	5	.5
HK L56N 1650E	.6	64.5	3.0	60	<1	57.3	19.3	312	2.75	2.7	.4	2.4	2.0	22	1	3	1	65	.36	.084	5	111	1.36	78	.124	1	1.78	.011	.20	.2	.01	2.6	.1	<.05	5	<.5
HK L56N 1700E	3.1	47.9	2.2	64	<.1	59.0	28.1	347	4.20	5.1	2	45.5	.8	23	<1	4	.1	134	.36	.052	3	148	1.93	79	.167	<1	2.18	.010	.78	<.1	.01	5.2	.3	<.05	7	<.5
HK L56N 1750E	9	35.9	4.4	76	.1	29.8	15.2	239	2.65	3.0	.4	1.7	1.9	18	1	.2	1	63	.25	.089	6	52	.76	78	.104	1	1.54	.010	.10	.1	.01	3.3	.1	<.05	5	<.5
HK L56N 1800E	.6	57.9	4.2	70	.1	47.2	25.5	335	2.99	4.2	.3	.8	1.5	21	.1	9	1	74	31	105	5	98	91	105	.096	1	1.52	.010	19	.1	01	3.7	.2	<.05	5	.5
HK L56N 1850E	5	6.7	3.9	62	1	16.3	8.1	245	1.25	9	2	<.5	.5	13	.1	1	.1	37	.20	.067	2	30	35	52	074	1	89	.021	.07	.1	.01	1.4	<.1	<.05	3	<.5
HK L56N 1900E	3	6.4	2.6	77	<1	64.4	17.2	404	1.70	6	1	<.5	.3	13	.1	<.1	<.1	48	.33	060	1	75	1.32	84	104	1	1.32	.022	.38	<.1	.01	1.4	<.1	<.05	4	<.5
HK L56N 1950E	6	32.1	3.5	104	1	33.9	18.0	358	2.43	1.3	2	1.0	6	25	.1	1	1	63	34	.052	2	74	.88	86	.133	<1	1.59	.011	.16	.1	.01	2.3	.1	<.05	6	<.5
HK L56N 2000E	8	33.5	3.5	59	1	30.6	12.3	216	2.26	2.8	4	3.3	2.4	19	.1	.3	1	55	.32	.094	8	42	.65	77	.100	1	1.37	.010	.12	.1	.01	2.6	.1	<.05	4	<.5
HK L46N 600E	6	45.9	4.3	91	1	30.5	17.9	292	2.77	2.1	3	4.2	1.9	24	2	.2	1	74	.31	.106	7	60	83	69	118	1	1.69	.012	.10	.1	02	3.1	.1	<.05	6	<.5
HK L46N 650E	7	67.7	3.9	68	<.1	31.2	17.2	307	3.07	2.4	4	6.8	2.2	24	1	.3	.1	88	.33	.087	7	61	1.00	79	.135	1	1.95	011	.08	.1	.01	3.4	.1	<.05	6	<.5
HK L46N 700E	6	36.9	6.9	118	2	22.6	14.9	795	2.47	1.1	.3	8.3	1.5	26	.2	.1	.1	60	32	121	5	42	62	143	.099	1	1.79	011	07	1	02	2.4	.1	<.05	6	<.5
RE HK L46N 700E	6	36.9	7.0	115	2	21.8	14.3	806	2.47	1.1	3	1.6	1.6	25	.2	.1	.1	62	34	127	5	43	66	139	105	2	1.89	012	.07	.1	02	2.7	1	<.05	6	<.5
HK L46N 750E	8	29.3	5.0	63	1	24.0	13.3	179	2.24	1.8	.4	4.2	1.7	18	.2	.2	.1	64	23	034	6	42	57	58	114	1	1.43	.011	.06	.1	01	2.2	<.1	<.05	6	<.5
HK L46N 800E	9	22.2	5.6	110	.3	19.8	12.3	195	2.44	1.7	.4	6.2	1.7	19	.3	.2	.1	61	.24	118	5	38	45	84	092	1	1.63	011	.06	.2	.02	2.4	1	<.05	6	<.5
HK L46N 850E	.6	10.4	5.5	70	1	6.8	6.9	317	1.67	.9	.2	1.3	.7	15	.1	1	.1	47	24	080	2	11	.29	171	.059	1	1.03	.010	.05	.1	.02	1.2	<.1	<.05	5	<.5
HK L46N 900E	5	16.6	5.5	59	.1	12.6	8.6	472	1.70	1.3	.2	.6	.9	16	.1	.1	1	45	17	116	3	30	.39	114	.083	1	1.00	.012	.04	.1	.01	1.5	<.1	<.05	5	<.5
HK L46N 950E	4	35.2	4.7	74	<.1	19.5	11.5	273	2.03	1.7	.2	1.7	1.2	22	1	.1	1	50	.24	160	4	44	.52	85	084	1	1.39	.010	.07	.1	.02	1.8	<.1	<.05	5	<.5
HK L46N 1050E	7	48.1	6.2	103	3	34.7	20.6	315	3.26	2.4	.3	1.6	1.2	24	3	.2	1	84	26	.172	3	53	79	132	114	1	2.15	011	08	.2	02	2.4	.1	<.05	8	<.5
HK L46N 1100E	1.1	86.5	2.9	70	1	55.4	29.1	714	4.91	3.2	.2	4.7	.7	74	.1	3	<.1	131	67	.037	2	146	1.90	68	194	2	2.04	014	.14	.3	.02	4.2	.1	<.05	9	<.5
HK L46N 1150E	4	155.3	2.7	87	<1	42.2	25.9	459	3.95	2.8	.2	2.8	1.0	36	1	.2	<.1	122	42	092	4	88	1.47	70	.187	1	1.86	.019	23	.1	.01	3.0	.1	<.05	6	<.5
HK L46N 1200E	9	35.2	5.7	88	4	30.1	15.9	439	2.48	1.6	.3	25.9	1.3	21	2	1	1	65	24	094	4	64	71	82	126	1	1.74	.014	07	1	02	2.4	1	<.05	7	<.5
HK L46N 1250E	8	58.5	5.2	74	2	25.8	14.3	306	2.37	1.6	.3	2.2	1.4	17	.2	1	1	67	.21	.077	5	58	69	73	120	1	1.58	.012	.11	.1	02	2.2	1	<.05	6	<.5
HK L46N 1300E	.6	28.8	5.2	47	2	16.4	9.2	438	1.68	1.5	4	1.8	1.5	19	3	2	1	45	24	073	8	39	37	67	088	1	1.07	.011	.08	.1	01	2.8	1	<.05	4	<.5
HK L46N 1350E	4	31.6	4.6	69	2	26.3	15.9	534	2.31	2.0	1	1.4	.5	21	.2	1	1	63	25	.082	2	79	.67	115	.128	1	1.10	.012	.20	.1	.02	1.6	.1	<.05	5	<.5
HK L46N 1400E	5	80.1	3.6	89	1	41.1	22.7	463	3.35	2.5	2	2.1	1.2	31	1	1	1	98	48	062	5	79	1.34	73	.178	1	1.81	015	.24	1	01	2.8	.1	<.05	6	<.5
HK L46N 1450E	6.0	108.6	4.0	43	2	76.7	27.4	240	2.53	6.4	.1	6.7	.4	17	.1	.2	1	57	24	.041	2	186	1.12	94	.134	<1	1.60	.020	18	.3	01	1.9	.1	<.05	5	<.5
HK L46N 1500E	.5	22.1	5.2	90	1	36.8	16.5	469	2.42	1.9	.2	1.1	1.2	15	.2	.1	1	57	21	129	4	89	.86	115	.121	1	1.60	.013	08	.1	.01	2.0	<.1	<.05	6	<.5
HK L46N 1550E	.2	65.9	4.2	159	.1	36.2	22.1	431	2.57	.7	2	1.1	.7	39	3	<.1	.1	61	50	.213	2	71	1.17	157	141	1	1.82	022	.26	.1	.01	1.9	<.1	<.05	6	<.5
HK L46N 1600E	.5	26.9	4.7	88	.2	53.2	19.7	204	2.56	1.4	.2	.8	1.2	25	.2	.1	1	59	.34	154	4	109	1.04	176	136	1	1.70	.018	.24	.1	.01	2.1	.1	<.05	6	<.5
HK L46N 1650E	.5	77.3	3.6	70	2	49.9	21.5	297	2.87	2.2	.3	1.7	1.5	23	2	.2	.1	71	31	.100	5	99	1.08	100	136	1	1.89	013	.21	.1	.02	2.7	.1	<.05	6	<.5
HK L46N 1700E	3	8.5	3.7	40	<1	11.3	6.5	198	.94	<.5	1	<.5	.4	7	1	<.1	.1	31	.13	.060	1	25	.22	51	071	1	42	.011	06	<.1	.01	.7	<.1	<.05	3	<.5
HK L46N 1750E	3	18.4	4.1	61	<1	30.9	11.7	271	1.43	.5	.1	.6	.4	10	1	<1	1	35	.18	.116	1	74	.70	67	.094	<1	.87	.017	.12	<.1	.01	.9	<.1	<.05	4	<.5
HK L46N 1800E	2	272.2	1.2	55	<.1	150.3	41.5	456	5.00	2.0	.1	4.0	.5	33	<1	1	<.1	165	.73	.071	4	416	3.64	205	.203	<1	2.60	022	.43	.1	.02	7.2	.1	<.05	6	<.5
STANDARD DS7	20.2	109.8	71.4	391	8	57.1	10.0	635	2.45	47.5	5.0	71.8	4.6	76	6.5	6.2	4.6	86	95	.077	13	215	1.04	381	117	40	.98	.094	.44	4.3	.20	2.8	4.3	.19	5	3.6

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1 0	2.0	3.0	46	< 1	6.6	4.4	502	1.81	<.5	2.0	<.5	3.8	49	<.1	< 1	.1	35	.43	.079	7	64	.60	202	108	1	.89	.051	.48	.1	<.01	2.0	.4	<.05	5	<.5
HK L46N 1850E	5	32 4	4.5	98	.3	30.4	14.0	289	2.04	1.3	.2	1.1	1.0	22	.1	.1	1	48	.29	.116	3	68	75	54	108	<1	1.34	.016	.08	2	.02	1.7	<.1	<.05	5	<.5
HK L46N 1900E	7	37.4	4.4	69	1	27.7	13.4	353	2.19	2.1	.3	5.2	1.6	19	.1	.2	.1	56	.30	.085	5	57	69	78	.102	1	1 44	.010	.10	.1	.01	2.4	.1	< 05	5	<.5
HK L46N 1950E	5	30.3	3.9	100	< 1	45.0	18.5	889	2.18	1.0	.2	1.2	1 1	25	.2	.1	.1	53	.40	.063	4	81	1 15	123	141	1	1.90	.021	.19	.1	<.01	2.0	.1	<.05	6	<.5
HK L46N 2000E	.4	60 0	2.9	72	.1	49.7	22.3	296	2.92	1 3	.2	2.1	.8	24	.1	.1	<.1	79	.40	.070	3	128	1.45	87	196	<1	2 05	.012	.11	.1	.01	2.2	.1	<.05	6	<.5
HK L44N 600E	5	95.5	3.6	47	<.1	26 6	14.8	300	2.64	2.2	.4	7.1	2.3	27	.1	3	.1	76	.35	.047	8	56	81	67	.124	1	1.44	.012	.08	.2	.01	3.5	.1	<.05	4	<.5
HK L44N 650E	6	58 6	4 2	77	.1	27.0	14.2	389	2.64	1 8	.4	32.1	1.9	36	.1	.2	.1	71	.26	079	5	52	.76	106	.112	<1	1.83	.012	.08	.1	.02	3.0	.1	<.05	6	<.5
HK L44N 700E	6	87 4	4 5	77	1	29.5	18.4	502	3.12	2.1	.4	2.0	1 4	28	.1	.2	.1	95	.37	.092	6	47	1.06	96	.132	1	2.43	.010	.11	.2	.02	3.8	.1	<.05	7	<.5
HK L44N 750E	.5	27.2	4 0	61	3	21 0	11.8	284	2.01	1.6	.3	3.1	1.8	24	.2	2	1	53	28	.071	6	34	.51	91	.105	1	1.24	.013	.10	.1	.02	2.7	.1	<.05	4	<.5
HK L44N 800E	5	40.9	3.9	142	2	17 9	17.4	587	2 87	1.6	.3	2.5	1 2	32	.2	1	.1	83	.46	.132	5	34	95	97	.127	1	1.78	.017	.15	.1	01	2.7	.1	<.05	7	<.5
HK L44N 850E	1 4	86 9	6 6	84	.3	42 0	14 8	533	3 35	5 5	3.4	6.9	3.7	47	.3	4	.2	85	.61	.029	16	72	93	163	143	2	2.30	.026	.22	.2	.05	9.4	.2	<.05	7	6
HK L44N 900E	5	28 5	3 4	66	.2	26.4	11.6	261	2 17	1 7	.4	1 9	1 8	23	.2	.2	.1	56	28	.080	6	49	.58	82	.102	1	1.42	.012	.08	2	.02	2.4	<.1	<.05	5	< 5
HK L44N 950E	4	46 7	3 4	88	< 1	23.6	12.7	346	2 53	1 6	.3	2 9	1.4	24	.1	.1	.1	60	.27	.086	4	43	75	143	.100	<1	1.92	.011	.07	.1	01	2.5	.1	<.05	6	<.5
HK L44N 1050E	.7	38 0	4 8	93	< 1	15.9	12.3	578	2.71	1.4	.2	1.6	.7	21	.1	.1	.1	73	.24	.065	2	28	75	109	.123	1	2.00	.010	.07	.1	.02	2.0	.1	<.05	7	<.5
HK L44N 1100E	4	47 5	2 9	73	1	33 1	20 4	376	3.17	5.2	.2	5.7	1.1	39	1	2	.1	97	32	.087	4	79	1.49	67	163	1	1.95	.007	.08	.1	.01	4.2	< 1	<.05	7	< 5
HK L44N 1150E	7	47.7	3 8	109	1	38.6	20.0	311	3.22	2 7	.4	2.5	2.1	27	.3	.2	1	83	.40	.110	7	74	1.08	110	.150	1	1.96	.018	15	.1	.01	3.3	1	<.05	6	<.5
HK L44N 1200E	8	43 5	4 1	98	<.1	31 9	17.1	273	2 82	2 1	.4	2.1	2.0	28	2	.2	.1	82	.37	.038	7	58	90	76	.161	1	1.63	.018	.10	1	.01	3.0	.1	<.05	6	<.5
RE HK L44N 1200E	.8	43 6	4 2	99	<.1	30 6	16 8	274	2.79	2.2	.4	2.8	1.9	27	.2	3	.1	80	.36	.039	7	57	90	77	154	1	1.63	017	.10	.2	.01	2.8	.1	<.05	6	<.5
HK L44N 1250E	7	84.9	3 4	67	1	44 1	18.3	380	3.15	3.7	3	3.7	1.9	29	2	.3	1	85	40	.087	6	79	1.16	109	130	1	1.98	014	.21	.2	.01	3.6	.1	<.05	6	<.5
HK L44N 1300E	7	56.0	2.9	43	<.1	34.1	15 8	257	2 93	2.5	.4	3.5	2.3	30	.1	3	.1	85	.43	.052	8	78	1.06	52	.151	1	1.52	.013	.17	.1	.01	3.6	.1	<.05	5	<.5
HK L44N 1350E	.6	51 1	3.5	73	.1	41.7	18 0	275	2.89	2.6	.4	5.6	2.1	25	.2	.3	.1	78	36	.079	8	80	1.06	83	.135	1	1.85	017	.16	.1	.01	3.2	.1	<.05	5	<.5
HK L44N 1400E	4	86 2	2 7	60	< 1	44.2	22.6	335	3.33	2.4	.3	3.5	1.6	31	.1	.2	1	90	42	.067	7	107	1 44	55	.175	1	1.89	.012	23	.1	.01	3.9	.1	<.05	6	<.5
HK L44N 1450E	.5	28 3	3 4	61	1	34.5	14.8	280	2.30	1.3	3	2 1	1.4	20	.1	1	1	59	.27	.047	5	87	.89	68	128	<1	1 51	013	09	.1	.01	2.4	.1	<.05	5	<.5
HK L44N 1500E	6	36 5	3 0	56	1	41 6	17 8	295	2 59	1.6	.3	.9	1.4	24	.1	.1	.1	72	.40	052	5	99	1.13	78	151	1	1.60	018	.16	.1	.01	2.4	.1	<.05	5	<.5
HK L44N 1550E	5	86.1	2 9	62	2	56 1	22.8	492	3 47	3 2	3	15.2	1 8	32	.2	2	1	97	.56	.094	7	138	1 71	110	175	1	2 01	.019	.47	.1	.02	4.2	.1	<.05	6	< 5
HK L44N 1600E	2	51 1	1 3	76	< 1	93 0	33.9	404	3.85	1.4	1	2.0	.4	37	.1	<.1	<.1	103	54	.086	2	151	2 51	126	.230	<1	2.68	009	.39	.1	<.01	2.2	.1	<.05	7	< 5
HK L44N 1650E	.6	59 2	3 4	76	< 1	39 3	19.1	288	2.82	1.7	.2	3 1	1 2	23	.2	.1	1	73	.37	.125	4	88	1.06	72	137	1	1 76	020	.13	.1	.01	2.8	< 1	<.05	6	<.5
HK L44N 1700E	4	100 9	1 1	64	< 1	109 8	34 5	484	3.45	1 2	.1	<.5	.3	32	.1	< 1	< 1	88	63	090	1	301	2 80	121	.189	<1	2 53	.020	1.06	.1	<.01	2 5	.1	<.05	6	<.5
HK L44N 1750E	1 0	125 9	4.4	102	3	57 4	29 8	428	4.01	2.0	2	1 1	1.0	35	.3	1	1	95	46	117	4	103	1.23	67	.182	1	2 15	014	19	.1	.01	3.5	.1	<.05	8	.5
HK L44N 1800E	7	46.9	3 2	83	1	35 4	17.5	288	2.65	1.7	.3	2 1	1.9	27	1	2	.1	71	44	.116	6	64	92	81	.124	1	1 65	.015	.11	.1	.01	2.8	.1	<.05	5	<.5
HK L44N 1850E	3	28.9	2.7	121	.1	54 6	26.8	359	3.50	1.2	.2	.9	.7	20	.1	1	.1	109	.42	.078	3	105	1 71	140	212	<1	2.01	.013	.35	1	.01	2.3	.1	<.05	7	<.5
HK L44N 1900E	8	65.2	4.2	74	.2	39.1	16.9	435	2.61	1.9	.4	7 5	1 6	27	2	2	1	70	.39	.079	5	89	1 07	109	133	1	1.78	014	.17	.1	.02	2 8	.1	<.05	6	<.5
HK L44N 1950E	1 1	103 4	3.5	52	< 1	45.4	21.0	338	3.41	3.0	4	3.7	2.1	32	.1	3	1	97	55	.070	7	92	1 34	74	172	<1	2.05	.013	.22	.1	.01	3.8	.1	<.05	6	<.5
HK L44N 2000E	3	45.0	4 1	80	<.1	50.9	17.4	412	2.13	.9	.2	.7	.6	21	.2	<.1	.1	61	.39	.056	2	158	1.21	79	.141	1	1.79	.019	.10	.1	.01	1.7	<.1	<.05	5	<.5
HK L42N 600E (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HK L42N 650E (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HK L42N 700E	7	40 5	4 7	88	2	19.9	12.0	627	2.27	1 0	3	5.3	1.6	33	.1	.2	1	63	42	.063	6	34	.60	128	.096	1	1.66	.011	.09	.1	.03	3 0	.1	<.05	5	< 5
HK L42N 750E	9	63.8	7 0	108	< 1	23.7	12 9	421	2.66	2.1	.4	5.1	1 7	19	.1	.2	1	66	.19	173	5	36	.60	143	104	1	2 30	010	.07	.1	02	2.5	1	<.05	7	<.5
STANDARD DS7	19.9	108.0	69.7	399	9	58.0	9.9	659	2.50	50.1	4.9	70 1	4.6	75	6 2	5 9	4.6	90	1.02	.082	13	221	1 10	386	.122	41	1.02	098	.48	4.2	.21	2.9	4.3	.20	5	3 7

Sample type. SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

Happy Creek Minerals Ltd. PROJECT Hawk FILE # A704824

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	9	2.1	2.7	44	<.1	6.7	4.5	507	1.72	<.5	1.7	.9	3.4	43	<.1	<.1	.1	34	.40	.073	6	63	60	187	105	2	.89	.051	.47	.1	<.01	1.9	.4	<.05	4	<.5
HK L42N 800E	.6	64.3	4.8	91	<.1	29.2	15.3	360	3.01	2.6	4	3.2	2.1	26	1	.3	1	71	28	.142	6	47	80	106	103	3	2.24	.010	09	2	01	3.6	.1	<.05	7	<.5
HK L42N 850E	4	19.2	4.6	87	1	10.6	12.1	310	1.78	7	2	.9	.7	22	.1	<.1	1	65	17	048	2	10	.52	68	103	1	1.46	.009	.03	.1	.02	1.1	<.1	<.05	5	<.5
HK L42N 900E	5	33.5	3.4	70	1	29.3	13.6	242	2.35	1.9	.3	3.1	1.8	18	2	.2	1	57	23	.075	6	47	.62	91	092	2	1.44	.010	.07	1	01	2.7	.1	<.05	5	<.5
HK L42N 950E	5	45.9	7.2	88	3	29.0	11.6	423	2.36	1.7	3	2.0	1.5	23	3	.2	1	55	45	.045	6	39	44	116	093	2	1.90	.022	09	.1	03	3.0	.1	<.05	5	<.5
HK L42N 1050E	.6	21.0	4.1	102	<.1	16.7	14.6	711	2.61	1.1	.2	1.3	.9	15	.1	.1	.1	69	21	.068	3	26	60	90	.108	1	1.58	.010	05	.1	.01	1.8	.1	<.05	5	<.5
HK L42N 1100E	.6	38.0	3.6	75	1	21.0	12.5	377	2.52	1.3	2	1.7	1.1	20	.1	.1	.1	67	30	.033	4	40	.72	133	.097	1	1.64	.008	10	1	01	2.3	.1	<.05	5	<.5
HK L42N 1150E	7	64.4	3.2	54	1	31.5	15.8	294	2.81	2.1	4	503.5	2.0	24	1	3	1	81	36	.044	7	64	94	64	.123	2	1.51	009	14	2	01	3.0	.1	<.05	5	<.5
HK L42N 1200E	4	20.8	4.0	67	<.1	16.8	10.1	221	1.64	7	3	1.2	1.1	16	1	.1	1	46	24	.021	4	36	.44	76	.094	2	1.05	.013	10	1	.01	1.9	<.1	<.05	4	<.5
HK L42N 1250E	5	28.8	4.0	68	1	22.8	11.8	321	1.92	1.9	2	2.4	1.3	24	3	1	1	50	33	094	4	49	57	89	.091	1	1.13	.010	.08	1	02	1.7	<.1	<.05	4	<.5
HK L42N 1300E	6	35.6	4.0	138	3	35.3	17.8	926	2.52	1.5	2	1.6	1.2	28	.4	.1	1	60	37	144	4	71	87	182	108	2	1.65	.010	.13	1	.02	2.1	.1	<.05	5	<.5
HK L42N 1350E	6	34.4	4.1	100	2	40.0	18.0	398	2.58	1.9	3	1.8	1.6	20	2	2	1	64	26	092	5	85	94	92	123	1	1.80	.011	13	.1	.01	2.1	.1	<.05	5	<.5
HK L42N 1400E	5	47.9	2.7	64	<.1	49.5	20.2	404	2.88	1.6	2	3.4	1.3	24	1	2	<.1	76	.36	061	5	128	1.38	64	133	1	1.77	011	21	1	01	2.7	.1	<.05	5	<.5
HK L42N 1450E	4	22.8	4.2	100	1	26.0	13.5	471	2.04	1.1	.2	1.3	.9	17	2	1	1	52	25	.089	3	64	69	122	.100	1	1.19	010	08	1	01	1.5	<.1	<.05	5	<.5
HK L42N 1500E	5	83.5	2.3	60	<.1	46.5	22.2	428	3.41	2.3	2	5.0	1.1	30	1	2	1	103	46	.062	4	130	1.75	67	177	1	1.99	.013	.53	1	01	4.6	.1	<.05	6	<.5
HK L42N 1550E	5	14.7	4.0	56	1	20.8	10.5	231	1.64	7	2	1.7	1.0	13	1	1	1	42	17	053	3	47	46	60	095	1	1.15	011	.05	1	01	1.3	<.1	<.05	4	<.5
HK L42N 1600E	5	31.5	4.1	91	2	24.5	13.8	383	2.06	1.1	2	3.4	1.2	20	3	.1	1	54	34	.073	4	52	64	64	107	2	1.24	.011	.09	1	.01	2.0	.1	<.05	5	<.5
HK L42N 1650E	2.1	25.8	6.7	66	1	24.9	13.1	165	2.43	1.8	.4	2.6	1.5	28	2	1	1	72	44	021	5	62	65	45	.134	2	1.52	014	07	1	.02	2.3	.1	<.05	5	<.5
HK L42N 1700E	9	50.2	4.2	86	3	42.6	17.7	223	2.72	2.4	.4	1.9	1.3	41	2	1	1	65	60	089	5	79	.84	73	115	2	1.92	012	.09	.1	03	2.9	.1	<.05	5	6
HK L42N 1750E	.5	7.1	.8	57	<.1	48.7	28.9	458	3.52	1.0	<1	<.5	.1	65	1	<.1	<.1	107	1.26	.040	<1	126	2.04	115	.222	3	1.97	.013	69	.1	.01	1.7	.1	<.05	5	<.5
HK L42N 1800E (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HK L42N 1850E	5	43.7	3.6	80	<.1	41.3	18.1	367	1.94	.7	1	.8	.6	19	.2	1	.1	49	32	087	2	95	.96	103	121	2	1.35	.018	19	1	01	1.6	.2	<.05	5	<.5
HK L42N 1900E	5	28.6	7.1	99	2	20.4	11.6	367	1.64	8	2	1.0	.9	15	1	.1	1	32	25	282	2	53	.50	249	092	1	1.35	014	.09	.1	02	2.0	<.1	<.05	6	<.5
HK L42N 1950E	3	50.6	2.7	96	1	69.2	25.0	401	3.01	1.2	.2	1.2	.8	23	2	1	1	76	39	083	2	180	1.72	133	.158	1	2.36	.019	20	1	.01	2.3	.1	<.05	6	<.5
HK L42N 2000E	7	31.8	4.6	80	1	34.2	13.8	377	2.18	1.6	3	1.0	1.7	15	2	.2	1	49	22	056	5	58	66	109	.104	1	1.73	009	12	1	02	2.2	.1	<.05	5	<.5
HK BL10E 7000N	1.1	89.6	4.0	90	1	39.5	17.8	372	2.46	1.5	3	1.8	1.4	20	1	1	1	69	.30	.125	5	60	91	120	124	1	1.76	.016	11	2	02	2.3	.1	<.05	6	<.5
RE HK BL10E 7000N	1.1	91.5	4.1	93	.2	40.7	18.9	388	2.55	1.6	3	2.2	1.4	20	2	.1	1	63	32	129	5	63	93	118	128	2	1.76	016	12	1	02	2.4	.1	<.05	6	<.5
HK BL10E 6950N	9	17.2	4.9	78	2	14.8	9.9	435	1.46	8	2	2.6	.9	14	1	1	1	40	21	.080	3	28	37	105	087	1	1.06	.013	06	1	02	1.5	<.1	<.05	5	<.5
HK BL10E 6900N	1.2	48.9	5.2	109	2	32.7	15.1	419	2.13	1.0	3	1.3	1.5	19	2	1	1	51	.27	099	6	71	79	144	121	1	1.62	017	14	1	02	2.1	.1	<.05	6	<.5
HK BL10E 6850N	3.3	83.2	3.3	74	1	31.1	17.6	356	3.23	3.0	.3	3.4	1.8	21	1	2	1	90	35	086	6	53	95	147	149	1	1.73	014	.30	2	01	2.9	.1	<.05	6	<.5
HK BL10E 6800N	6	66.8	3.9	82	.2	28.2	17.4	347	2.58	1.1	2	2.5	1.2	23	1	1	1	70	34	116	4	55	72	110	123	1	1.43	.018	23	2	01	2.1	.1	<.05	5	<.5
HK BL10E 6750N	8	16.2	6.7	73	2	27.7	13.6	264	2.19	1.9	4	.8	2.2	16	1	.2	1	50	21	114	7	43	.62	99	119	1	1.61	.012	14	1	01	2.3	.1	<.05	6	<.5
HK BL10E 6700N	4.8	160.2	3.5	100	2	34.8	23.2	348	3.59	1.7	3	4.7	1.3	18	1	1	1	115	29	064	5	43	1.09	164	227	1	2.04	011	34	1	.01	2.2	.1	<.05	7	<.5
HK BL10E 6650N	.4	23.8	3.8	89	1	21.3	13.2	369	1.91	6	.2	7	7	12	2	<.1	1	48	23	121	2	36	.63	122	.111	1	1.11	.013	.21	<.1	01	1.2	.1	<.05	5	<.5
HK BL10E 6600N	9	26.1	5.2	108	.3	24.5	11.1	514	2.03	1.3	4	2.9	2.1	17	.2	.1	1	45	25	.068	7	37	53	125	.112	2	1.61	.013	11	1	.02	2.1	.1	<.05	6	<.5
HK BL10E 6550N	9	81.9	4.9	129	3	57.6	19.9	385	2.84	1.7	5	5.0	2.5	23	2	.2	1	66	.36	101	8	90	1.09	107	.133	2	1.93	014	.19	.1	02	3.0	.1	<.05	7	<.5
HK BL10E 6500N	7	18.9	5.7	91	2	14.2	9.0	424	1.58	8	3	.9	1.1	12	.1	.1	1	42	18	084	4	22	37	87	.089	1	1.04	.018	.08	1	02	1.4	<.1	<.05	4	<.5
HK BL10E 6450N	8	54.1	5.7	156	5	33.0	16.7	773	2.73	1.9	4	1.8	2.0	29	3	1	1	60	43	137	6	46	66	171	.118	3	2.38	015	19	1	02	2.6	.1	<.05	7	<.5
STANDARD DS7	19.8	105.1	72.0	391	.8	56.6	10.2	628	2.43	44.3	5.0	65.8	4.7	73	6.0	5.8	4.6	87	95	078	13	219	1.09	360	118	40	1.07	.096	44	4.1	21	2.7	4.4	.20	5	3.7

Sample type SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	9	2 0	2 8	42	<.1	6.4	4.4	479	1.64	<.5	1.7	<.5	3.2	35	<.1	<.1	<.1	33	37	077	5	57	.61	190	.098	1	.88	.044	47	.1	<.01	1.6	.4	<.05	4	<.5
HK BL10E 6400N	1 1	116 3	3.1	63	.1	41 7	19.8	519	2 66	8	1	2.0	.5	22	1	.1	.1	82	.34	.028	2	114	1.24	79	.129	2	1.56	.010	35	1	.01	1 8	.1	<.05	5	< 5
HK BL10E 6350N (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HK BL10E 6300N	6	69 2	4.5	78	2	34.4	17 2	316	2.94	3.8	4	3.6	2.0	25	.3	2	1	69	.32	.149	6	45	.83	81	.105	2	1.91	.010	.12	.1	.02	2.5	.1	<.05	5	<.5
HK BL10E 6250N	4	113.3	3 9	143	1	27 5	29.5	455	3.60	2.5	.2	1.9	.9	19	.3	1	.1	105	.27	179	3	36	1.45	114	.156	1	2.10	.008	.24	.1	.01	2.7	.1	<.05	10	<.5
HK BL10E 6200N	5	52 5	3.4	76	2	29.9	14 6	268	2.51	2.1	.3	2.6	1.8	23	.2	.2	1	59	.26	090	6	45	69	71	.089	1	1.53	.009	.11	.1	.02	2 7	.1	<.05	5	<.5
HK BL10E 6150N	5	34.2	4 1	122	3	22 9	16 7	427	2.50	1.9	.3	1.2	1.1	27	.3	1	1	60	44	.118	4	34	.73	122	.095	2	1.47	.009	.15	.1	02	1.9	.1	<.05	5	<.5
HK BL10E 6100N	6	14 0	5 6	76	2	24 4	11 8	259	2 22	1.9	.4	1.2	2 2	23	1	2	1	47	24	086	7	34	.54	74	.089	1	1.59	008	.09	.2	02	2.0	.1	<.05	5	<.5
HK BL10E 6050N	1 3	55 2	5 2	84	1	32 7	15 3	269	2 80	2.0	.4	4 5	2.4	20	2	.2	1	60	23	.052	7	46	78	98	.111	1	1.97	.010	.18	.1	.01	2.4	.1	< 05	6	<.5
HK BL10E 6000N	7	6 7	5 4	61	2	12 3	13 0	312	2 14	1.5	.2	<.5	.8	15	.2	< 1	1	55	.25	190	2	23	.58	71	.095	1	1 14	013	.14	.1	.02	1.4	<.1	< 05	5	< 5
HK BL10E 5950N	6	103 7	4 9	97	3	33 8	15.6	345	2.34	1 7	3	2 1	1 1	14	2	1	.1	49	21	133	3	57	74	99	084	1	1 65	.008	.09	.1	.01	1.9	.1	<.05	5	< 5
RE HK BL10E 5950N	6	97 5	4 7	91	3	31 7	14 4	327	2 24	1.6	.3	2.5	1.1	15	.2	1	1	47	21	125	3	53	69	100	083	1	1.56	009	.08	.1	02	1 8	1	<.05	5	< 5
HK BL10E 5900N	5	80 9	2 8	58	3	35 3	15 9	253	2.51	2 8	3	3 4	1 3	20	1	2	1	60	27	.062	4	51	85	64	088	1	1.53	.008	.09	.1	01	1 9	1	<.05	4	< 5
HK BL10E 5850N	5	30 7	3 6	60	3	28 0	12.1	192	2.15	3 0	3	1.0	1.7	17	1 5	2	1	50	21	062	5	37	60	74	089	1	1 52	.009	.09	2	02	1.8	1	< 05	5	< 5
HK BL10E 5800N	5	47 9	4 8	75	2	43.9	13.2	221	2 62	2.8	4	5 2	2 4	20	1	2	1	49	25	177	5	45	.61	122	088	1	2 23	011	.15	2	02	3 3	.1	< 05	6	< 5
HK BL10E 5750N	5	25 3	3 2	60	2	28.3	11 9	306	1.98	1 6	2	3 4	1 5	13	2	.1	1	43	19	083	4	41	61	83	075	1	1 32	007	.10	.2	01	1.8	1	<.05	4	<.5
HK BL10E 5700N	5	61 5	4 1	89	2	31 2	17.3	313	2 82	2.1	2	2.1	1.1	15	.1	.1	1	69	25	169	3	50	.89	90	.106	1	1 81	009	12	2	02	2 1	<.1	< 05	6	<.5
HK BL10E 5650N	6	115.8	3 5	87	3	32 5	15.9	368	2 40	9	.2	17.9	9	15	.1	.1	1	55	.23	058	3	72	.87	72	.096	1	1.52	008	.06	.1	02	1.4	<.1	<.05	5	<.5
HK BL10E 5600N	7	214 0	3 2	72	3	39.2	18.3	450	2.82	1 8	.2	6.4	1 0	17	1	1	1	67	30	077	3	104	1 17	62	105	1	1.64	008	.11	.3	02	2 0	<.1	<.05	6	< 5
HK BL10E 5550N	7	23 1	5 4	70	2	21 4	10.2	327	1.95	1 8	.3	1 4	1.3	10	1	1	.1	42	15	129	3	38	48	82	.076	1	1.42	.008	.06	.2	02	1.6	<.1	< 05	5	<.5
HK BL10E 5500N	2	42 3	2 7	57	< 1	36 6	16 0	292	2.49	9	3	5.6	1 7	16	1	1	.1	62	23	.056	5	75	1.07	62	.101	1	1 48	.007	.21	.2	.01	1.7	.1	< 05	4	<.5
HK BL10E 5450N	4	22 5	3 9	26	3	33 7	14 1	195	1 92	.6	.1	2 1	6	20	.1	1	1	54	35	.012	3	109	84	63	109	<1	1.25	011	21	1	02	1.2	<.1	< 05	4	< 5
HK BL10E 5400N (empty)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HK BL10E 5350N	4	30 7	4 3	77	2	32 6	15.7	320	2.41	1 0	.3	2 2	1 6	18	.1	1	.1	54	26	.097	5	66	71	63	100	1	1 47	.009	.11	1	02	2.1	1	< 05	5	< 5
HK BL10E 5300N	5	24 7	3 2	41	< 1	29 2	14 0	256	2 44	1.9	4	4 0	2 4	17	1	2	.1	62	25	031	6	55	.82	42	113	<1	1.31	009	21	1	.01	2 5	1	< 05	4	< 5
HK BL10E 5250N	6	21 7	7 2	45	< 1	26.2	11 1	172	2.40	8	4	1 3	3.1	19	1	1	1	49	.23	.010	9	43	61	58	.131	1	1 35	011	22	1	01	2.7	1	< 05	5	< 5
HK BL10E 5200N	5	32 4	4 3	83	2	27 3	14 1	240	2.67	2 1	3	2 5	1 6	16	2	2	1	62	23	147	5	51	68	113	096	1	1 60	007	07	2	02	2.2	1	< 05	6	< 5
HK BL10E 5150N	5	61 8	2 9	48	< 1	30 7	16 4	276	2 55	1 9	2	4 2	1 4	20	1	2	< 1	67	31	072	5	68	1.12	45	100	1	1 53	008	07	2	01	2 1	1	< 05	4	< 5
HK BL10E 5100N	5	37 8	4 1	73	3	28 4	14 8	264	2 37	1.9	2	1.9	9	13	2	1	1	55	.17	105	3	62	73	53	.085	1	1 46	006	.05	.2	02	1 5	< 1	<.05	5	< 5
HK BL10E 5050N	3	17 5	4 7	85	1	16 6	16 8	427	2 41	1 0	1	<.5	5	16	1	< 1	1	67	21	.131	1	42	88	58	092	1	1 16	007	.12	1	01	1.2	< 1	< 05	5	< 5
HK BL10E 5000N	3	58 7	4 0	97	.1	32 2	17 4	306	2 50	1 3	2	3.7	8	13	1	< 1	1	60	19	123	2	80	96	65	096	1	1.55	008	07	1	01	1.6	< 1	<.05	5	<.5
HK BL10E 4950N	.4	66 4	3 3	113	.2	37 0	20.1	306	2.97	1 5	2	2.6	8	15	2	.1	1	72	19	098	2	76	1.02	45	.098	1	1.68	007	.06	2	.02	1.7	<.1	<.05	5	<.5
HK BL10E 4900N	5	22 6	3.9	70	< 1	29 7	13.5	206	2.29	1 5	3	3.7	1 4	15	1	2	1	54	22	088	5	57	.70	81	088	1	1.44	.008	.06	.1	.01	2 1	< 1	< 05	5	<.5
HK BL10E 4850N	2	131.3	3 4	78	< 1	25 1	17.8	394	2.49	7	1	10.4	4	17	1	<.1	.1	63	24	.068	1	54	1.00	73	096	1	1.34	008	.08	.1	.01	1.2	<.1	<.05	5	<.5
HK BL10E 4800N	3	58 7	2.6	68	1	40.9	19.1	310	2 94	9	2	4.6	9	17	1	1	<.1	72	26	065	3	102	1.26	79	.101	1	1.65	.008	.10	1	.01	2.4	<.1	<.05	5	<.5
HK BL10E 4750N	3	18 5	3.6	124	< 1	25 5	16 4	450	2.40	8	1	4.8	4	15	1	< 1	<.1	62	.21	.086	1	61	.89	97	.096	1	1.22	008	.15	<.1	01	1 0	<.1	<.05	5	<.5
HK BL10E 4700N	3	51 4	3 4	143	1	30.5	17.8	349	2.69	1 0	2	4.3	1 4	21	2	1	1	67	.29	063	4	65	.94	77	.106	1	1 47	009	16	.1	01	2.0	.1	<.05	5	<.5
HK BL10E 4650N	6	139 8	6 1	64	5	37 6	16.7	618	3 11	1.6	6	3 2	1.5	32	3	2	1	79	70	030	7	60	86	206	107	2	1.90	.013	10	.1	.06	4 0	.1	<.05	5	6
STANDARD DS7	20 2	105 0	70 7	387	8	57 2	9 6	614	2.37	42 9	5 0	66 7	4 3	65	6.4	5 7	4 5	84	88	078	11	202	1.05	365	104	38	.96	.083	.43	4.0	20	2 4	4.3	.22	5	3 6

Sample type SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
G-1	9	2.4	2 8	48	<.1	6.4	4.5	529	1.83	<.5	1.9	.6	3.8	51	<.1	<.1	.1
HK BL10E 4600N	.5	42.3	3.1	64	1	33.5	17.0	317	3.07	2.2	.3	2.3	1.4	24	.1	2	.1
HK BL10E 4550N	.6	74.3	5.0	106	.1	34.5	15.1	433	3.28	3.0	.4	2.1	1.7	23	.2	.3	.1
HK BL10E 4500N	.5	23.1	3.8	52	.1	16.0	9.6	348	1.74	1.1	2	2.3	.9	16	.1	.1	.1
HK BL10E 4450N	.4	94 3	4.1	111	.1	31.0	16.6	379	3.03	1 8	.3	10.1	1.6	25	.2	.2	1
HK BL10E 4400N	.3	13.8	3.0	78	<.1	22.3	17.0	499	2.61	2.3	.1	7.6	.4	17	.1	.1	< 1
HK BL10E 4350N	.7	53.8	5 6	93	< 1	31 3	15.5	834	3.17	2.3	.3	3.6	1.9	24	.1	.2	1
HK BL10E 4300N	5	68.7	3 7	78	< 1	30.4	14 9	505	2.84	2.5	3	2.8	1.8	24	.1	.2	.1
HK BL10E 4250N	.5	50.1	2.7	49	< 1	29.6	14 1	259	2.75	1 6	3	12.8	1.8	26	.1	2	.1
HK BL10E 4200N	.5	33 5	3 1	79	.1	27.9	12.5	311	2.35	1 1	.3	2.7	1.7	22	.1	1	.1
STANDARD DS7	20.5	116 3	71 9	424	9	57 7	9.7	681	2.57	51.8	5.3	85 8	4.8	81	6.3	6 4	4.8

SAMPLE#	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	36	.44	.083	7	65	.63	208	.121	1	97	.049	.52	.1	<.01	2.1	.4	<.05	5	<.5
HK BL10E 4600N	78	.34	.096	5	79	1.03	71	.119	1	1.80	.012	.09	.1	.02	2.9	<.1	<.05	5	<.5
HK BL10E 4550N	79	25	.149	5	77	.93	124	.116	2	2.48	011	.10	.2	.01	3.6	.1	<.05	7	.5
HK BL10E 4500N	45	.20	.063	3	37	.43	72	.089	1	1.00	.012	.06	.1	.01	1.5	<.1	<.05	4	.6
HK BL10E 4450N	80	.32	.084	5	68	1.02	130	.147	2	2.37	.013	.10	.1	.01	3.7	.1	<.05	7	<.5
HK BL10E 4400N	80	.29	.063	2	74	1.30	51	.160	1	1.80	.012	.05	.1	.01	1.8	.1	<.05	6	.5
HK BL10E 4350N	79	33	101	6	61	.86	106	.131	2	2.35	.011	.09	.1	.02	3.3	.1	<.05	7	.7
HK BL10E 4300N	75	31	097	6	67	.91	87	.123	2	1.96	.011	.07	.1	.01	3.0	.1	<.05	5	<.5
HK BL10E 4250N	75	36	.089	6	72	.91	65	.123	1	1.58	.014	.09	.2	.01	2.9	<.1	<.05	5	<.5
HK BL10E 4200N	61	28	115	5	56	73	111	.107	1	1 55	.012	.08	.2	.01	2.4	.1	<.05	5	<.5
STANDARD DS7	91	1.03	.086	14	216	1.11	397	.132	46	1 12	102	.48	4.2	.20	2.9	4.3	.23	5	4.2

Sample type: SOIL SS80 60C

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Happy Creek Minerals Ltd. PROJECT Hawk File # A703585 Page 1

2304 - 1066 W. Hastings S, Vancouver BC V6E 3X2 Submitted by: D. Ridley

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.7	2.2	3.3	48	<.1	3.6	4.4	555	1.93	<.5	3.1	.5	4.3	57	<.1	<.1	.1	36	.54	.075	8	8	.65	212	.130	1	.98	.069	.49	.1	<.01	2.0	.4	<.05	5	<.5
L57N BL10E	.5	80.6	5.1	115	.2	36.6	20.1	350	3.25	2.6	.3	.9	1.5	20	.3	.1	.1	77	.29	.190	4	50	.95	111	.135	<1	2.14	.011	.12	.1	.01	2.6	.1	<.05	7	<.5
L57N 10+50E	.4	27.9	4.0	103	.1	33.2	16.8	295	2.76	2.2	.3	1.0	1.8	19	.1	.1	.1	65	.27	.116	6	48	.95	92	.122	1	1.82	.011	.13	.1	.01	2.4	.1	<.05	6	<.5
L57N 11E	.4	194.0	3.7	88	.1	37.2	21.1	362	3.29	2.4	.3	.8	1.2	25	.1	.1	.1	79	.33	.100	4	50	1.15	102	.153	1	2.09	.012	.14	.2	.01	2.6	.1	<.05	7	<.5
L57N 11+50E	.3	116.4	2.6	70	.1	57.3	23.1	381	3.15	2.0	.2	31.0	.8	24	.1	.1	.1	85	.33	.102	3	173	1.69	82	.175	<1	2.18	.010	.25	.2	.01	2.1	.1	<.05	6	<.5
L57N 12E	.5	103.0	3.3	61	.1	35.3	19.0	340	2.96	2.0	.3	6.4	1.2	24	.1	.2	.1	84	.41	.035	4	61	1.12	66	.148	1	1.75	.013	.13	.1	.01	2.7	.1	<.05	5	<.5
L57N 12+50E	.4	43.2	4.7	76	.2	29.5	18.7	313	3.42	2.8	.4	1.8	1.8	26	.1	.1	.1	87	.34	.202	5	43	1.00	106	.144	1	1.96	.012	.12	.2	.02	2.4	<.1	<.05	7	<.5
L57N 13E	.4	43.1	4.2	81	.2	30.9	13.9	317	2.45	2.2	.4	2.2	2.1	21	.1	.2	.1	56	.27	.113	6	44	.76	121	.121	1	1.84	.013	.09	.2	.01	2.6	<.1	<.05	5	<.5
L57N 13+50E	.9	41.4	5.6	75	.2	25.9	13.0	277	2.43	2.6	.4	4.1	2.1	14	.1	.2	.1	54	.19	.160	6	43	.64	120	.111	1	1.70	.010	.08	.2	.02	2.3	<.1	<.05	6	<.5
L57N 14E	1.2	52.9	4.0	97	.1	44.2	19.8	390	3.12	2.3	.3	4.9	1.5	18	.2	.2	.1	72	.28	.061	5	91	1.14	100	.127	<1	1.86	.011	.12	.1	.01	2.9	.1	<.05	6	<.5
L57N 14+50E	.9	27.3	4.9	63	.2	28.8	11.6	272	2.35	2.2	.4	2.5	2.2	17	.1	.2	.1	51	.24	.066	7	38	.56	145	.104	<1	1.65	.011	.11	.1	.01	2.6	.1	<.05	5	<.5
L57N 15E	.4	62.2	5.5	144	.2	84.2	21.1	430	3.68	1.3	.4	5.2	1.7	31	.3	.2	.1	103	.47	.058	6	131	1.55	141	.146	3	2.35	.015	.24	.1	.02	6.8	.1	<.05	8	.5
L57N 15+50E	.5	54.2	3.8	78	.2	43.2	15.7	264	2.82	1.9	.4	8.6	1.8	22	.2	.3	.1	69	.38	.062	6	67	.88	96	.099	1	1.80	.012	.09	.1	.01	3.5	.1	<.05	5	<.5
L57N 16E	.6	57.2	4.0	95	<.1	43.3	22.1	363	3.03	1.3	.2	7.2	.9	20	.1	.1	.1	70	.31	.066	3	93	1.08	86	.146	1	1.92	.011	.12	.1	.01	2.4	.1	<.05	6	<.5
L57N 16+50E	.6	28.8	4.3	103	.1	39.3	18.0	327	2.36	1.9	.3	2.7	1.3	21	.1	.3	.1	55	.29	.099	4	84	.78	116	.114	1	1.67	.012	.13	<.1	.01	2.5	.1	<.05	5	<.5
L57N 17E	.8	38.1	3.1	101	.1	46.3	21.0	346	3.06	3.2	.3	3.5	1.7	24	.2	.4	.1	77	.36	.057	6	92	1.16	106	.150	1	1.75	.012	.27	.1	.01	3.3	.1	<.05	5	.5
L57N 17+50E	.7	40.7	3.2	66	.1	33.8	14.6	275	2.74	2.2	.4	1.4	2.3	21	.1	.2	.1	68	.31	.048	8	57	.88	88	.124	1	1.59	.010	.16	.1	.01	3.7	.1	<.05	5	<.5
L57N 18E	1.2	31.2	4.9	83	.1	23.2	11.5	299	2.11	2.2	.3	1.0	1.6	17	.1	.2	.1	51	.29	.084	6	35	.54	69	.103	1	1.42	.014	.11	.2	.01	2.7	.1	<.05	4	<.5
L57N 18+50E	1.0	50.7	5.1	95	.2	41.4	14.4	458	2.76	1.9	.4	2.8	2.0	17	.2	.2	.1	72	.32	.039	9	65	1.05	72	.115	1	1.82	.011	.15	.1	.02	5.6	.1	<.05	6	<.5
L57N 19E	.7	26.8	5.7	136	.2	26.2	15.0	586	2.77	1.9	.2	<.5	.9	15	.1	.2	.1	74	.23	.075	3	40	.86	112	.108	1	1.88	.011	.16	.1	.01	4.4	.1	<.05	6	<.5
L57N 19+50E	.6	104.7	2.4	76	.1	55.4	21.0	330	3.54	2.1	.2	6.4	.9	35	.1	.2	.1	96	.44	.045	4	85	1.32	66	.171	1	1.67	.012	.39	.1	.01	3.7	.1	<.05	5	<.5
L55N BL10E	.5	26.2	4.5	95	.2	25.5	15.1	303	2.46	1.3	.3	1.5	2.0	19	.1	.1	.1	52	.22	.128	6	57	.71	101	.114	1	1.43	.008	.11	.1	.01	2.2	.1	<.05	5	<.5
RE L55N BL10E	.5	26.2	4.5	96	.2	25.6	15.3	308	2.49	1.3	.3	.9	2.0	19	.1	.1	.1	54	.22	.136	6	58	.72	99	.116	1	1.48	.008	.11	.1	.02	2.1	.1	<.05	6	<.5
L55N 10+50E	.5	29.0	15.9	186	.1	53.5	22.2	410	2.78	1.9	.2	2.1	1.0	23	.2	.3	.1	61	.33	.221	2	137	1.48	135	.138	1	2.21	.011	.10	.3	.02	2.6	<.1	<.05	7	<.5
L55N 11E	.5	30.4	3.2	61	.1	47.3	19.8	411	2.91	2.8	.3	2.8	1.2	16	.1	.2	.1	71	.26	.102	4	135	1.32	83	.126	<1	1.84	.009	.09	.2	.02	2.2	.1	<.05	6	<.5
L55N 11+50E	.2	5.8	2.9	130	<.1	80.5	32.9	532	4.37	1.5	.1	.6	.3	25	.1	.1	<.1	107	.32	.054	1	214	2.21	119	.194	<1	2.24	.009	.22	.1	.01	1.4	<.1	<.05	7	<.5
L55N 12E	.3	27.5	3.5	94	<.1	32.4	23.5	529	3.30	1.9	.1	1.4	.5	32	.1	.2	<.1	72	.30	.080	2	78	1.40	54	.135	<1	1.64	.010	.06	.1	.01	2.1	<.1	<.05	5	<.5
L55N 12+50E	.4	30.3	4.0	100	.1	33.2	15.9	348	2.51	1.9	.3	1.8	1.2	17	.1	.2	.1	57	.22	.099	4	67	.89	106	.107	1	1.80	.010	.09	.2	.01	2.3	.1	<.05	6	<.5
L55N 13E	.4	31.3	3.4	74	<.1	30.3	17.0	307	2.81	2.0	.3	1.0	1.6	20	.1	.1	.1	69	.27	.071	6	59	1.01	109	.135	<1	1.74	.009	.11	.1	.01	2.4	.1	<.05	5	<.5
L55N 13+50E	.5	36.9	3.7	68	.2	23.2	15.2	440	2.22	1.2	.2	.6	.9	21	.1	.1	.1	56	.27	.067	3	52	.88	72	.127	<1	1.32	.013	.09	.1	.01	1.9	<.1	<.05	5	<.5
L55N 14E	.8	31.8	7.6	122	.3	27.2	13.9	629	3.36	2.5	.4	3.2	1.9	25	.6	.4	.2	61	.24	.338	6	39	.70	227	.075	1	1.76	.008	.08	.2	.02	3.9	.1	<.05	7	<.5
L55N 14+50E	.8	89.0	4.3	61	<.1	56.3	23.1	338	3.41	2.1	.3	2.5	1.4	22	.1	.1	.1	89	.35	.073	5	103	1.58	107	.147	<1	2.05	.011	.19	.1	.01	3.8	.1	<.05	6	<.5
L55N 15E	.8	81.3	3.8	88	.1	34.6	25.0	657	3.66	1.5	.2	<.5	.6	24	.2	.1	.1	96	.40	.136	2	75	1.44	145	.168	1	2.19	.011	.45	.1	.01	3.0	.1	<.05	7	<.5
L55N 15+50E	1.3	339.1	5.2	69	.5	46.9	17.1	601	3.32	3.9	.6	12.7	2.2	26	.2	.4	.1	86	.46	.030	9	75	.81	119	.119	1	2.08	.013	.21	.2	.08	9.0	.2	<.05	6	<.5
L55N 16E	.5	50.8	2.3	56	<.1	62.2	21.7	312	2.93	1.6	.1	7.4	.7	23	.1	.1	.1	81	.37	.055	3	160	1.65	74	.152	<1	1.77	.011	.33	.1	.01	2.1	.1	<.05	5	<.5
L55N 16+50E	.4	36.6	1.6	73	.1	80.2	25.3	502	2.91	1.7	.1	<.5	.2	26	.1	.2	<.1	78	.45	.092	1	276	1.98	117	.150	<1	2.02	.013	.43	.1	.01	1.6	.1	<.05	6	<.5
L55N 17E	1.2	82.7	3.3	65	.1	29.4	15.4	286	2.63	5.0	.4	3.7	1.8	21	.1	.3	.1	64	.32	.126	6	55	.90	92	.116	2	1.62	.011	.14	.1	.02	3.6	.1	<.05	5	<.5
L55N 17+50E	.7	37.1	3.4	75	.1	63.8	25.4	804	3.22	2.1	.2	.5	.8	23	.2	.2	.1	86	.35	.075	3	143	1.66	131	.153	<1	1.88	.010	.61	.1	.02	2.1	.1	<.05	6	<.5
STANDARD DS7	20.4	109.0	70.2	411	.9	56.6	9.6	609	2.36	49.7	5.0	90.5	4.5	73	6.7	6.3	4.8	85	.93	.079	13	175	1.01	378	.119	39	.94	.083	.43	3.8	.21	2.7	4.2	.16	4	3.9

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA DATE RECEIVED: JUN 6 2007 DATE REPORT MAILED: June 24/07

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
G-1	.6	2.4	3.4	49	<.1	3.7	4.4	546	1.95	<.5	3.0	.8	4.1	60	<.1	.1	.1	36	.53	.077	8	8	.59	224	.124	<1	.92	.074	.51	.1	<.01	2.2	.4	<.05	5	<.5
L55N 18E	6	18.5	4.7	95	.1	28.6	15.1	310	2.44	2.4	.3	<.5	1.7	20	.1	.2	.1	53	.23	.228	6	53	.79	179	.110	<1	1.72	.012	.12	.1	.02	2.6	.1	<.05	6	<.5
L55N 18+50E	.6	19.6	4.8	132	<.1	18.0	12.6	1793	1.95	1.3	.2	16.2	.8	22	.1	.2	.1	50	.29	.096	3	24	.51	167	.108	<1	1.27	.015	.15	<.1	.01	2.5	.1	<.05	5	<.5
L55N 19E	.8	60.7	3.8	129	.1	31.1	17.2	277	2.65	2.3	.3	1.1	1.4	23	.1	.2	.1	61	.31	.090	5	41	.74	98	.121	1	1.62	.011	.12	.1	.01	2.4	.1	<.05	6	<.5
L55N 19+50E	1.1	23.5	4.6	62	<.1	18.3	11.1	355	2.02	3.3	.2	3.7	1.1	25	.1	.2	.1	53	.30	.060	4	21	.43	91	.107	1	1.09	.012	.12	.1	.01	2.1	.1	<.05	5	<.5
L54N 10+50E	.2	43.2	3.8	76	<.1	39.9	17.7	332	2.42	1.0	.1	37.2	.6	20	.1	.1	.1	61	.31	.053	2	106	1.11	77	.132	<1	1.57	.014	.07	.1	.01	1.6	<.1	<.05	6	<.5
L54N 11E	.2	166.0	3.5	103	.1	39.0	24.7	380	3.35	1.5	.2	27.1	.7	20	.1	.1	.1	79	.31	.091	2	96	1.43	91	.145	<1	1.94	.011	.09	.6	.01	2.5	<.1	<.05	6	<.5
L54N 11+50E	.3	75.3	3.1	82	.1	36.4	20.0	394	3.13	1.7	.2	3.7	1.1	27	.1	.1	.1	69	.33	.093	4	86	1.15	94	.128	<1	1.81	.011	.08	.1	.02	2.5	<.1	<.05	6	<.5
L54N 12E	.4	23.7	3.3	91	<.1	47.4	22.9	337	3.26	1.7	.2	2.3	.8	20	.1	.1	.1	78	.28	.067	3	98	1.12	117	.098	1	1.80	.012	.12	.1	.02	4.2	<.1	<.05	6	<.5
L54N 12+50E	.4	106.3	3.0	101	.1	49.7	21.4	350	3.18	2.1	.2	3.7	1.0	20	.2	.2	.1	75	.29	.073	3	114	1.29	102	.106	<1	1.89	.011	.11	.2	.06	3.6	<.1	<.05	6	<.5
L54N 13E	.3	53.9	3.3	104	.2	65.1	23.5	336	2.61	1.6	.2	1.5	.6	21	.1	.1	.1	60	.28	.093	2	161	1.59	90	.155	<1	2.04	.011	.19	.2	.01	1.9	<.1	<.05	6	<.5
L54N 13+50E	.4	87.6	3.5	80	.1	63.3	21.4	427	2.79	1.8	.2	4.1	1.0	23	.1	.2	.1	71	.36	.061	4	152	1.40	86	.154	1	1.98	.015	.23	.1	.01	2.1	<.1	<.05	6	<.5
L54N 14E	2.5	225.6	2.5	108	.1	86.9	35.0	609	5.99	4.3	.2	34.2	.7	23	.1	.1	.2	181	.44	.103	2	290	3.06	157	.214	<1	4.08	.008	.80	.2	.01	9.7	.3	<.05	11	<.5
L54N 14+50E	.6	28.3	9.5	118	.1	13.2	15.1	555	2.20	1.0	.2	1.6	.9	18	.2	.1	.1	52	.17	.293	2	26	.60	141	.117	<1	1.18	.014	.10	.1	.02	1.8	<.1	<.05	6	<.5
L54N 15E	.5	86.4	4.5	123	.1	26.3	17.4	512	2.43	1.0	.2	1.0	.8	26	.2	.1	.1	62	.37	.081	3	40	.84	126	.142	1	1.78	.022	.11	.1	.01	2.2	.1	<.05	6	<.5
L54N 15+50E	2.7	90.9	5.1	68	.1	21.8	23.2	364	3.51	1.9	.2	1.1	.5	22	.1	.1	.1	112	.51	.033	2	34	1.09	63	.236	1	1.94	.027	.30	.1	.01	2 9	.1	<.05	8	<.5
L54N 16E	1.3	122.3	4.0	93	<.1	61.7	28.6	330	3.69	2.3	.3	1.7	.8	27	.1	.1	.1	114	.44	.039	4	143	1.48	93	.175	1	2.50	.016	.16	.1	.01	2.6	.1	<.05	7	.5
L54N 16+50E	.7	27.4	4.3	148	.2	70.5	33.6	451	3.75	1.3	.2	<.5	.8	28	.1	.1	.1	85	.29	.099	2	167	1.54	105	.173	<1	2.26	.011	.13	.1	.02	2.2	.1	<.05	8	<.5
L54N 17E	1.0	190.8	3.5	71	<.1	27.7	36.2	561	6.52	2.4	.1	7.6	.4	24	.1	.1	.3	217	.39	.153	3	45	2.07	106	.192	<1	2.67	.009	.30	.1	.02	7.3	<.1	<.05	10	<.5
L54N 17+50E	.4	49.4	3.6	102	<.1	23.0	25.7	502	3.75	.8	.1	1.1	.4	18	.3	<.1	.1	112	.39	.094	1	36	1.42	109	.230	<1	2.01	.015	.25	.1	.01	2.2	.1	<.05	7	<.5
L54N 18E	.5	36.3	3.3	66	<.1	46.3	20.2	380	2.88	1.5	.2	.9	1.3	22	.1	.1	.1	72	.32	.072	4	109	1.16	94	.137	1	1.73	.012	.18	.1	.01	2.2	.1	<.05	5	<.5
L54N 18+50E	.4	255.7	3.7	126	.2	60.4	29.8	588	3.44	.9	.1	3.0	.6	21	.1	<.1	.1	86	.54	.094	2	113	1.74	187	.170	<1	2.24	.012	.26	.1	.01	2.6	.1	<.05	7	<.5
L54N 19E	.2	222.0	1.8	124	<.1	53.1	35.1	769	4.28	1.6	.1	3.0	.6	22	.2	<.1	<.1	113	1.58	.175	2	78	1.88	144	.156	<1	2.30	.006	.29	.1	.01	4.7	.1	<.05	6	<.5
L54N 19+50E	2 6	78.7	4.8	147	.2	52.7	26.2	297	3.60	5.1	.4	2.0	2.1	23	.2	.3	.1	68	.29	.163	7	49	.82	115	.120	1	2.04	.011	.13	.1	.02	3.2	.1	<.05	6	<.5
L54N 20E	1.9	292.4	8.5	166	.2	61.1	54.7	446	7.80	5.5	.3	5.0	1.1	31	.5	.1	.5	104	.32	.264	4	39	.99	142	.149	1	2.37	.011	.22	.2	.02	3.6	.1	<.05	10	.5
L53N BL10E	.5	17.6	4.7	62	.1	26.8	13.7	294	2.46	1.4	.4	.8	2.4	19	.1	.2	.1	58	23	050	9	44	.61	65	.146	<1	1.50	.013	.10	.1	.01	2.4	.1	<.05	5	<.5
L53N 10+50E	2	77.5	3.5	101	<.1	53.0	24.9	442	3.29	.6	.1	5.4	.6	23	.1	<.1	<.1	79	.32	.084	2	127	1.54	73	.154	1	1.90	.012	.10	.2	.01	1.8	<.1	<.05	7	<.5
L53N 11E	.2	99.6	5.1	77	.2	21.4	18.1	374	2.64	1.0	.2	<.5	.6	15	.1	.1	.1	60	.19	.104	2	47	.91	65	.121	<1	1.50	.013	.06	.1	.01	1.6	<.1	<.05	5	<.5
L53N 11+50E	.5	68.5	5.2	107	.3	31.4	18.5	242	3.01	2.1	.3	2.9	1.8	16	.1	.1	.1	65	.20	.251	5	58	.75	175	.099	1	1.99	.009	.07	.2	.04	3.3	.1	<.05	6	<.5
RE L53N 11+50E	.5	72.0	5.4	114	.3	34.1	19.5	252	3.13	2.5	.3	3.5	1.8	18	.1	.2	.1	67	.23	.252	5	61	.80	177	.107	1	2.08	.011	.08	.1	.03	3.8	.1	<.05	7	<.5
L53N 12E	.6	31.5	5.8	87	.1	34.7	17.2	504	2.38	1.9	.3	2.2	1.3	18	.1	1	.1	57	.25	.129	4	69	.87	80	.125	1	1.80	.014	.07	.1	.01	2.1	<.1	<.05	6	<.5
L53N 12+50E	2.2	113.3	2.2	68	.1	85.1	29.2	321	5.66	5.3	.2	6.9	.8	18	.1	.2	<.1	118	.35	.070	3	215	1.15	84	.063	1	1.72	.006	.26	.1	.01	7.8	.1	<.05	6	<.5
L53N 13E	.5	100.3	7.2	55	.2	24.7	9.2	650	2.00	3.0	.5	1.6	1.0	32	.1	.1	.1	51	.41	.189	4	50	.39	107	.101	1	1.82	.016	.09	.1	.03	2.5	.1	<.05	5	.5
L53N 13+50E	.2	49.9	3.9	73	<.1	42.1	22.5	322	2.84	1.2	.1	.8	.7	22	<.1	.1	.1	64	.28	.093	2	97	1.28	90	.139	<1	1.79	.012	.14	.1	.01	1.9	<.1	<.05	6	<.5
L53N 14E	.3	68.1	2.8	75	<.1	51.8	27 0	432	3.70	1.7	.3	2.8	1.3	25	.1	.1	.1	97	.33	.105	4	106	1.57	88	.172	1	2.19	.011	.19	.1	.01	2.3	.1	<.05	7	<.5
L53N 14+50E	.5	47.4	3.8	102	.1	36.0	18.6	354	2.77	1.9	.3	.9	1.9	22	.1	.1	.1	64	.36	.120	6	69	.96	76	.125	<1	1.78	.012	.10	.1	.01	2.4	.1	<.05	6	<.5
L53N 15E	.4	92.7	2.8	70	<.1	22.5	24.8	398	4.21	1.1	.2	5.4	.6	25	.1	.1	.1	120	.32	.081	2	40	1.21	66	.194	<1	1.97	.009	.12	.1	.01	2.4	<.1	<.05	7	<.5
L53N 15+50E	.7	150.1	3.2	92	.1	36 6	26.7	600	4.32	1.9	.2	2.4	.7	24	.1	.1	.1	126	.35	.089	2	90	1.55	111	.191	<1	2.20	.011	.36	.1	.01	4.5	1	<.05	8	<.5
STANDARD DS7	20.9	109.0	69.9	409	.9	55.7	9.4	611	2.35	50.0	4.9	72.3	4.5	77	6.8	6.3	4.8	85	.94	081	14	176	1.03	378	.121	41	.97	.091	.43	3.9	.21	2.7	4.1	.15	5	3.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.6	2.5	3.4	47	<.1	3.5	4.4	535	1.92	<.5	3.1	<.5	4.4	56	<.1	.1	.1	36	.52	.073	8	9	.59	207	.129	1	.91	.073	.49	.1	.01	2.1	.4	<.05	5	<.5
L53N 16E	.9	125.4	5.0	89	.3	39.5	14.2	552	2.52	1.7	.4	3.0	1.5	23	.2	.2	.1	64	.38	.033	6	74	.71	111	.126	2	1.84	.015	.13	.1	.03	3.9	.1	<.05	6	<.5
L53N 16+50E	1.0	39.0	5.8	164	.2	35.2	23.2	548	3.24	1.1	.2	.9	1.0	22	.2	.1	.1	65	.30	.284	2	95	1.05	157	.142	1	2.09	.010	.14	.1	.02	1.9	.1	<.05	8	<.5
L53N 17E	.5	45.3	4.2	99	.1	44.4	22.4	322	3.17	1.8	.2	2.4	1.1	20	.1	.1	.1	81	.32	.086	4	126	1.25	96	.165	1	2.14	.011	.13	.1	.01	2.9	.1	<.05	7	<.5
L53N 17+50E	1.3	64.7	4.0	94	.1	70.2	24.0	361	3.32	1.9	.2	1.2	.9	22	.1	.1	.1	80	.46	.073	3	177	1.44	100	.159	1	2.16	.012	.17	.1	.02	2.6	.1	<.05	7	<.5
L53N 18E	.5	31.7	3.1	80	.1	68.3	21.6	453	2.24	.9	.1	4.7	.6	18	.2	.1	.1	49	.36	.069	2	171	1.55	119	.134	1	1.89	.013	.31	.1	.01	1.7	.1	<.05	5	<.5
L53N 18+50E	.6	27.1	4.7	104	.1	22.6	13.4	419	1.91	1.0	.2	1.5	1.2	17	.1	.1	.1	45	.25	.096	4	39	.61	134	.119	1	1.30	.013	.12	.1	.01	1.8	<.1	<.05	5	<.5
L53N 19E	.5	43.5	4.0	149	.2	43.0	18.0	483	2.67	1.9	.3	2.7	1.8	21	.2	.1	.1	55	.27	.197	5	79	.89	227	.124	1	2.05	.012	.13	.1	.01	2.7	.1	<.05	7	<.5
L53N 19+50E	.3	29.2	4.6	106	.1	48.2	20.3	298	2.38	.8	.2	.8	.8	19	.1	<.1	.1	51	.29	.160	2	131	1.01	162	.136	1	1.78	.013	.12	.1	.01	1.7	<.1	<.05	6	<.5
L53N 20E	.4	134.8	3.9	123	.1	33.3	18.9	385	2.65	1.0	.2	3.9	1.1	22	.1	.1	.1	62	.35	.100	3	47	.95	121	.152	1	1.95	.017	.12	.1	.01	2.0	.1	<.05	6	<.5
L52N BL10E	.5	28.6	5.6	73	.2	31.6	14.8	264	2.61	2.2	.3	1.2	1.6	19	.1	.1	.1	65	.25	.132	6	56	.71	102	.115	1	1.63	.012	.07	.1	.02	2.3	<.1	<.05	6	<.5
L52N 10+50E	.4	49.2	4.5	96	.3	33.1	16.4	420	2.41	1.2	.2	<.5	.9	19	.1	.1	.1	54	.24	.139	3	109	.90	83	.116	1	1.48	.013	.06	.1	.02	1.5	<.1	<.05	5	<.5
L52N 11E	.5	50.1	5.0	88	.1	24.0	13.4	617	2.18	1.1	.3	5.5	1.7	19	.1	.1	.1	54	.28	.058	6	53	.68	114	.122	1	1.50	.013	.09	.1	.01	2.3	.1	<.05	5	<.5
L52N 11+50E	.5	32.6	3.9	104	.1	31.2	16.3	471	2.59	2.1	.3	1.1	1.8	20	.2	.2	.1	62	.28	.102	7	60	.80	120	.129	2	1.81	.013	.09	.1	.02	2.4	.1	<.05	6	<.5
L52N 12E	.4	75.9	4.0	73	.2	34.0	16.4	368	2.50	1.4	.3	10.1	1.4	20	.1	.2	.1	61	.31	.080	5	83	.92	86	.129	<1	1.66	.011	.09	.3	.02	2.4	<.1	<.05	6	<.5
L52N 12+50E	.3	85.2	4.1	74	.2	30.4	15.4	321	2.34	1.6	.2	1.6	1.0	17	.1	.1	.1	56	.23	.114	3	84	.90	113	.122	1	1.74	.012	.09	.1	.01	2.0	<.1	<.05	6	<.5
L52N 13E	.6	35.8	4.6	65	<.1	36.9	17.5	251	2.51	2.0	.3	4.3	1.7	20	.1	.2	.1	58	.29	.133	6	94	.96	79	.129	2	1.70	.012	.11	.2	.01	2.4	.1	<.05	6	<.5
L52N 13+50E	.9	114.6	3.0	58	<.1	53.2	25.1	440	3.51	2.1	.2	23.6	.7	17	.1	.1	.1	94	.39	.060	3	168	1.56	66	.208	1	2.20	.012	.31	.4	.01	2.9	.1	<.05	8	<.5
L52N 14E	.4	47.5	8.4	79	.3	28.2	17.3	240	2.60	1.7	.4	2.2	1.7	22	.2	.1	.9	59	.33	.211	4	64	.83	112	.141	1	1.80	.011	.13	.1	.02	2.1	<.1	<.05	8	<.5
L52N 14+50E	.3	83.8	4.8	76	.1	34.2	22.2	388	3.21	1.6	.2	.8	.9	22	.1	.1	.1	80	.34	.199	2	90	1.08	121	.153	1	2.00	.012	.14	.1	.01	1.8	<.1	<.05	8	<.5
L52N 15E	.4	169.1	2.5	99	<.1	47.7	27.3	450	3.33	1.3	.2	2.1	.9	20	.1	.1	<.1	77	.30	.133	3	106	1.51	94	.150	1	2.10	.012	.18	.1	.01	2.2	<.1	<.05	6	<.5
L52N 15+50E	.5	28.9	4.0	74	<.1	26.6	23.5	472	4.00	2.5	.1	1.4	.5	25	.1	.1	.1	105	.29	.108	1	49	1.12	70	.173	1	1.78	.010	.07	.1	.01	2.2	<.1	<.05	7	<.5
L52N 16E	.7	36.4	3.9	66	<.1	36.5	19.3	370	3.22	1.8	.3	4.4	1.1	21	.1	.2	.1	86	.37	.073	4	97	1.20	73	.170	1	2.28	.023	.08	.1	.02	2.9	.1	<.05	7	<.5
L52N 16+50E	.7	90.7	3.2	113	<.1	44.9	29.0	960	3.93	1.2	.1	1.1	.4	30	.1	<.1	<.1	112	.39	.106	2	150	1.76	116	.186	1	2.24	.011	.29	.1	.02	2.8	<.1	<.05	9	<.5
L52N 17E	.7	36.7	5.0	76	.1	45.1	20.0	397	2.53	.7	.2	1.7	.8	18	.1	.1	.1	63	.28	.074	2	90	1.11	111	.157	1	1.87	.013	.14	.1	.01	1.7	.1	<.05	7	<.5
L52N 17+50E	.5	36.8	6.0	65	.2	35.4	22.5	239	2.84	1.1	.1	1.4	.6	26	.1	.1	.1	72	.28	.038	2	120	1.10	71	.180	1	1.83	.010	.09	.1	.01	2.0	<.1	<.05	7	<.5
L52N 18E	.6	23.6	4.6	70	<.1	39.9	18.5	385	2.63	.8	.2	1.5	.9	17	.1	.1	.1	63	.22	.075	3	104	1.02	91	.145	<1	1.72	.011	.06	.1	.01	1.5	<.1	<.05	6	<.5
RE L52N 18E	.6	23.5	4.6	71	<.1	41.5	19.0	385	2.70	.7	.2	.9	.9	19	.1	.1	.1	66	.24	.079	3	106	1.06	93	.151	1	1.76	.012	.06	.1	.01	1.5	<.1	<.05	6	<.5
L52N 18+50E	.5	73.8	3.5	87	<.1	31.5	28.0	419	3.80	1.0	.2	2.5	.7	23	.1	.1	.1	92	.43	.118	2	59	1.37	138	.187	<1	2.11	.010	.24	.1	.01	1.8	<.1	<.05	6	<.5
L52N 19E	.7	36.5	6.0	107	.1	40.1	19.2	832	2.24	.7	.2	.5	.7	14	.1	<.1	.1	49	.23	.161	2	102	1.04	154	.133	1	1.87	.017	.06	.1	.02	1.6	<.1	<.05	6	<.5
L52N 19+50E	.6	72.9	3.6	69	<.1	52.3	22.3	390	3.13	.8	.1	30.0	.7	20	.1	.1	.1	82	.37	.053	2	165	1.35	93	.160	1	1.94	.010	.35	.1	.01	2.3	.1	<.05	7	<.5
L52N 20E	.3	52.7	2.7	78	<.1	30.9	19.0	332	2.72	.7	.1	1.6	.4	35	.2	.1	.1	73	.35	.052	2	58	.85	70	.170	1	1.44	.012	.11	.1	.01	1.9	.1	<.05	5	<.5
L51N BL10E	.6	38.9	6.3	94	.2	28.8	16.4	396	2.57	2.6	.3	2.6	1.6	20	.2	.2	.1	61	.23	.138	6	62	.70	96	.121	1	1.66	.011	.07	.1	.02	2.1	<.1	<.05	6	<.5
L51N 10+50E	.6	47.0	5.4	103	.3	33.5	17.0	392	2.96	2.1	.3	2.2	1.0	19	.2	.1	.1	71	.28	.143	4	78	.90	136	.096	1	1.94	.010	.09	.1	.02	2.9	<.1	<.05	7	<.5
L51N 11E	.4	48.3	6.1	144	.2	27.9	19.4	569	2.55	1.2	.2	.8	1.0	20	.1	.1	.1	58	.26	.167	3	67	.95	119	.124	1	1.63	.011	.12	.1	.01	2.2	<.1	<.05	7	<.5
L51N 11+50E	.4	74.5	4.6	105	.2	45.9	22.5	497	3.12	1.2	.2	1.3	.9	18	.1	.1	.1	74	.29	.106	3	129	1.36	100	.150	1	2.13	.013	.08	.1	.02	2.0	<.1	<.05	7	<.5
L51N 12E	.3	59.5	5.1	104	<.1	36.8	22.9	453	3.30	1.1	.2	.7	.8	20	.1	.1	.1	81	.25	.128	2	104	1.26	96	.149	1	1.85	.010	.08	<.1	.01	1.6	<.1	<.05	7	<.5
L51N 12+50E	.5	44.7	4.2	93	<.1	34.4	17.3	334	2.45	.9	.3	1.9	1.2	17	.2	.1	.1	61	.26	.056	5	72	.81	77	.122	2	1.71	.013	.08	.1	.01	2.2	<.1	<.05	6	<.5
STANDARD DS7	20.9	110.1	72.3	403	.9	56.9	9.7	629	2.45	49.1	5.1	79.9	4.6	74	6.7	6.2	4.7	88	.97	.081	14	205	1.07	375	.125	40	1.01	.095	.43	4.0	.20	2.7	4.2	.19	5	3.4

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	1.5	3.3	3.1	46	<.1	4.3	4.4	567	2.06	<.5	2.9	1.6	4.6	58	<.1	.1	.1	39	.55	.078	8	10	.64	214	.131	1	.98	.069	.50	.1	<.01	2.2	.4	<.05	5	<.5
L51N 13E	.6	69.8	6.2	53	.2	32.2	17.9	288	2.75	1.4	.4	6.2	.8	18	.1	.1	.1	84	.35	.028	3	67	.93	67	.153	1	1.69	.015	.09	.2	.01	2.3	<.1	<.05	6	.6
L51N 13+50E	.7	60.6	4.1	85	.1	39.1	18.9	348	2.94	2.9	.3	12.7	1.7	20	.2	.2	.1	69	.29	.133	6	82	1.09	124	.130	<1	1.97	.010	.11	.2	.01	2.7	.1	<.05	6	.5
L51N 14E	.3	159.0	3.9	95	<.1	30.7	21.4	554	3.08	1.3	.2	1.2	.9	21	.1	.1	.1	83	.31	.080	3	46	1.12	101	.156	2	1.87	.012	.13	.1	.01	2.1	.1	<.05	6	<.5
L51N 14+50E	.4	162.5	3.9	99	<.1	48.1	22.5	445	3.07	1.6	.2	4.4	1.2	23	.1	.1	.1	74	.36	.111	4	99	1.35	133	.159	1	2.22	.012	.15	.1	.01	2.1	<.1	<.05	7	<.5
L51N 15E	.4	30.9	5.1	99	<.1	42.8	18.2	393	2.44	1.1	.2	2.0	1.2	20	<.1	.1	.1	53	.29	.209	3	96	1.08	191	.129	1	1.96	.012	.10	.1	.02	1.9	<.1	<.05	6	<.5
L51N 15+50E	.4	35.3	4.4	98	<.1	28.9	15.1	482	2.37	.9	.2	.8	.7	16	.1	<.1	.1	58	.23	.132	2	82	.77	94	.128	1	1.54	.013	.07	.1	.02	1.5	<.1	<.05	5	<.5
L51N 16E	.3	11.4	2.9	53	<.1	44.1	20.6	341	2.39	.9	.1	2.2	.3	18	<.1	.1	.1	63	.37	.050	1	93	1.25	106	.169	2	1.52	.012	.09	.1	.01	1.6	<.1	<.05	6	.5
L51N 16+50E	.4	61.3	3.8	145	.2	67.7	25.8	504	3.25	1.2	.2	3.8	.9	20	.2	.1	.1	75	.37	.136	2	173	1.78	224	.174	1	2.74	.011	.20	.1	.01	2.0	.1	<.05	7	<.5
L51N 17E	.7	38.3	3.8	81	<.1	71.9	24.5	361	3.15	2.0	.2	2.1	1.1	20	.1	.1	.1	76	.38	.096	4	142	1.62	110	.169	1	2.21	.012	.21	.1	.01	2.4	.1	<.05	7	<.5
L51N 17+50E	.8	58.8	2.9	69	<.1	58.3	25.4	342	3.45	1.6	.2	1.4	.8	26	.1	.1	.1	87	.45	.077	3	138	1.65	121	.189	1	2.30	.011	.17	.1	.01	2.4	<.1	<.05	7	<.5
L51N 18E	1.2	62.2	3.3	44	<.1	22.6	21.1	205	2.96	1.1	.1	2.0	.5	41	.1	.1	.1	99	.62	.014	3	33	.84	62	.227	<1	1.51	.012	.17	.1	.01	1.8	<.1	<.05	5	<.5
L51N 18+50E	.5	65.1	2.2	110	<.1	54.3	28.0	563	3.70	.8	.1	.9	.4	25	.1	.1	<.1	95	.33	.071	2	129	1.52	137	.194	1	1.90	.007	.37	.1	.01	2.5	.1	<.05	6	<.5
L51N 19E	.4	71.5	2.0	102	.1	51.1	32.2	560	4.44	1.2	.1	2.2	.5	20	.1	.1	<.1	109	.37	.094	2	111	2.08	118	.227	1	2.66	.007	.55	<.1	.01	2.1	.1	<.05	7	<.5
L51N 19+50E	.7	28.6	5.0	85	<.1	28.7	18.9	392	2.43	.9	.2	1.1	.8	21	.1	.1	.1	60	.57	.183	3	54	.91	219	.126	1	1.58	.014	.12	.1	.01	2.2	<.1	<.05	5	<.5
L51N 20E	.4	89.6	2.9	74	<.1	72.0	27.6	468	3.36	.9	.1	1.1	.7	32	.1	.1	.1	82	.49	.058	2	170	1.85	173	.196	1	2.37	.013	.37	.1	.01	2.0	.1	<.05	7	<.5
L50N BL10E	.6	8.7	8.4	47	.1	10.6	7.9	292	1.61	1.6	.2	1.8	.9	12	.1	<.1	.1	43	.13	.213	2	26	.27	70	.101	1	1.26	.016	.03	.1	.02	1.5	<.1	<.05	4	<.5
L50N 10+50E	.4	78.5	3.4	106	<.1	26.1	20.3	439	2.82	.7	.1	1.6	.5	24	.1	<.1	<.1	79	.27	.047	2	48	1.06	58	.163	1	1.61	.011	.12	.1	<.01	1.4	<.1	<.05	6	<.5
L50N 11E	.4	66.4	4.5	95	<.1	44.6	23.3	473	3.35	1.5	.2	2.2	1.0	28	.1	.1	.1	79	.32	.086	3	74	1.32	111	.165	1	2.19	.010	.11	.1	.01	2.1	<.1	<.05	7	<.5
L50N 11+50E	.7	33.5	6.9	100	.3	32.7	14.6	251	2.61	2.1	.4	1.6	1.7	16	.3	.2	.1	59	.20	.111	5	56	.69	111	.124	1	2.05	.010	.08	.1	.02	2.2	<.1	<.05	7	<.5
L50N 12E	.2	16.6	3.3	100	<.1	38.8	17.3	527	2.46	.9	.1	1.5	.4	14	.1	.1	<.1	58	.23	.049	1	93	1.10	67	.129	1	1.48	.012	.04	.1	.01	1.3	<.1	<.05	5	<.5
L50N 12+50E	.5	98.7	7.8	82	.2	17.3	14.9	771	2.14	1.1	.2	2.4	.9	15	.2	.1	.1	48	.20	.177	2	28	.55	98	.108	1	1.40	.014	.07	.1	.02	1.7	<.1	<.05	6	<.5
L50N 13E	.5	56.9	3.6	83	.1	29.7	21.1	742	3.13	1.6	.2	1.5	.8	15	.1	.1	.1	82	.26	.124	3	64	1.14	113	.153	1	1.82	.012	.20	.1	.01	2.1	.1	<.05	6	<.5
L50N 13+50E	.4	40.4	6.0	80	.2	23.5	14.1	380	2.24	1.4	.2	.9	.8	19	.1	.1	.1	55	.24	.158	2	60	.81	102	.114	1	1.49	.012	.11	.1	.02	1.6	<.1	<.05	6	<.5
L50N 14E	.4	79.7	3.9	81	.1	28.4	18.0	354	2.69	1.2	.2	2.0	.9	16	.1	.1	.1	63	.24	.172	3	52	.91	153	.124	1	1.67	.010	.11	.1	.01	1.8	<.1	<.05	7	<.5
L50N 14+50E	.2	333.6	2.5	78	<.1	55.7	23.0	391	2.85	.9	.1	2.8	.8	29	.1	.1	<.1	67	.38	.043	3	115	1.53	166	.201	1	2.07	.012	.19	.1	.01	1.8	<.1	<.05	6	<.5
L50N 15E	.3	44.6	4.0	94	<.1	43.0	17.0	379	2.21	.5	.1	.8	.7	17	.1	<.1	.1	55	.24	.130	2	109	1.01	200	.127	1	1.57	.013	.20	.1	.01	1.3	<.1	<.05	5	<.5
L50N 15+50E	.3	54.9	4.7	70	<.1	44.4	18.0	365	2.49	.6	.1	1.1	.6	19	.1	<.1	<.1	62	.30	.110	2	89	1.18	179	.145	1	1.72	.016	.24	<.1	.01	1.5	.1	<.05	6	<.5
L50N 16E	.7	286.2	4.4	41	<.1	34.4	15.8	325	2.45	.6	.1	2.1	.6	13	<.1	.1	.1	64	.27	.035	1	71	.96	114	.178	1	1.63	.014	.12	.1	.01	1.6	<.1	<.05	6	<.5
L50N 16+50E	.7	39.9	4.4	51	<.1	22.7	14.6	337	1.99	.9	.1	1.0	.5	18	.1	.1	.1	47	.23	.076	2	47	.63	90	.115	1	1.36	.012	.09	.1	.01	1.4	<.1	<.05	5	<.5
RE L50N 16+50E	.6	38.0	4.2	52	<.1	22.4	15.1	341	1.99	.8	.1	1.2	.5	20	.1	.1	.1	50	.25	.076	2	49	.62	92	.125	1	1.35	.013	.09	.1	.01	1.5	<.1	<.05	5	<.5
L50N 17E	.3	91.1	4.1	92	<.1	45.4	21.5	403	2.54	1.0	.2	<.5	.6	20	.1	<.1	.1	60	.35	.093	2	111	1.32	164	.207	1	2.23	.012	.10	.1	.01	2.0	.1	<.05	7	<.5
L50N 17+50E	.5	45.8	3.5	88	.1	41.0	23.4	361	3.47	1.3	.2	2.1	1.0	26	.1	.1	.1	84	.36	.118	3	86	1.29	162	.170	1	2.11	.009	.16	.1	.01	2.3	.1	<.05	7	<.5
L50N 18E	1.6	125.8	2.9	70	<.1	42.4	27.7	420	4.05	2.1	.3	2.1	1.0	26	.1	.1	.1	113	.58	.030	4	87	1.44	79	.218	<1	2.04	.010	.37	.1	.01	4.3	.2	<.05	6	<.5
L50N 18+50E	2.8	327.6	4.5	123	.3	72.8	26.9	1579	4.16	1.5	.4	2.3	1.6	29	.4	.2	.1	98	.64	.035	5	145	1.51	155	.193	1	3.37	.010	.29	.1	.03	6.3	.3	<.05	8	.5
L50N 19E	.5	92.0	3.5	124	.2	60.4	26.3	469	3.45	1.3	.2	3.1	.8	32	.2	.1	.1	81	.51	.112	3	156	1.48	169	.162	1	2.32	.009	.31	.1	.01	2.6	.1	<.05	7	<.5
L50N 19+50E	.7	68.1	5.5	150	.2	35.6	20.7	399	2.91	1.3	.2	2.8	1.0	28	.2	.1	.1	62	.30	.224	3	66	1.01	163	.151	1	2.22	.011	.09	.2	.01	2.1	.1	<.05	6	<.5
L50N 20E	.9	57.5	5.3	62	.1	27.3	14.5	245	2.36	1.3	.3	1.5	1.4	21	.1	.1	.1	55	.32	.122	4	50	.67	98	.118	1	1.57	.013	.09	.1	.02	2.2	.1	<.05	5	<.5
STANDARD DS7	20.6	112.2	72.3	405	.9	57.8	9.8	631	2.44	49.2	5.1	74.9	4.6	72	6.7	6.1	4.7	88	.96	.080	13	183	1.06	374	.121	40	.98	.081	.43	4.1	.20	2.6	4.3	.17	5	3.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.5	2.1	3.7	46	<.1	3.0	4.3	525	1.87	.5	2.9	.8	4.4	55	<.1	.1	.1	36	.49	.072	7	8	.58	209	.121	2	.91	.072	.48	.1	<.01	2.0	.4	<.05	5	<.5
L49N BL10E	.5	12.0	4.9	49	.1	15.9	8.6	247	1.57	1.8	.2	.7	1.4	11	.1	.1	.1	39	.14	.105	4	33	.35	74	.083	1	1.05	.011	.04	.1	.02	1.4	<.1	<.05	4	<.5
L49N 10+50E	.4	53.0	4.4	118	.1	48.2	20.6	573	2.75	1.3	.2	1.0	.6	19	.1	.1	.1	70	.26	.076	2	80	1.11	91	.137	1	1.51	.013	.11	.1	.01	1.4	<.1	<.05	6	<.5
L49N 11E	.3	96.5	3.9	87	.1	35.2	20.4	379	2.86	1.3	.2	2.2	.6	28	.2	.1	.1	71	.28	.094	2	67	.97	99	.135	1	1.75	.014	.08	.1	.01	1.6	<.1	<.05	6	<.5
RE L49N 11E	.3	97.3	3.7	88	.1	34.7	20.4	379	2.84	1.3	.1	4.5	.6	25	.1	.1	.1	70	.27	.093	2	69	.94	101	.128	1	1.69	.013	.08	.1	.01	1.5	<.1	<.05	6	<.5
L49N 11+50E	.3	61.7	4.6	79	.1	28.3	12.9	301	1.83	1.5	.2	2.5	.6	18	.2	<.1	.1	46	.26	.065	2	48	.64	87	.103	2	1.29	.016	.08	.1	.01	1.5	<.1	<.05	4	<.5
L49N 12E	.4	55.6	4.1	74	<.1	30.1	18.0	454	2.61	1.2	.2	1.2	1.1	20	.1	.2	.1	71	.27	.056	4	62	.94	65	.137	2	1.48	.013	.11	.1	.01	1.9	<.1	<.05	6	<.5
L49N 12+50E	.6	56.7	5.0	112	.4	17.1	9.3	720	1.53	.8	.2	2.1	.6	13	.3	.1	.1	41	.17	.081	2	33	.44	86	.099	2	1.11	.017	.08	.1	.01	1.4	<.1	<.05	4	<.5
L49N 13E	.4	90.2	3.9	101	.3	42.7	21.5	416	3.10	1.8	.2	1.7	.9	18	.2	.1	.1	75	.22	.143	2	110	1.30	140	.151	1	2.13	.012	.10	.1	.02	2.2	<.1	<.05	7	<.5
L49N 13+50E	.2	120.4	2.9	86	<.1	73.4	25.1	363	3.19	1.8	.2	1.1	.8	19	.1	.1	.1	77	.35	.082	2	190	1.66	120	.166	1	2.44	.010	.25	.1	.01	1.8	<.1	<.05	7	<.5
L49N 14E	.4	30.6	3.0	78	.1	38.7	16.1	565	2.17	1.2	.2	1.5	1.3	16	.1	.1	.1	50	.25	.043	5	92	.86	111	.133	1	1.53	.014	.18	.1	.01	2.1	.1	<.05	5	<.5
L49N 14+50E	.3	44.8	6.5	79	.2	15.1	12.0	254	1.94	1.3	.2	<.5	.8	17	.1	<.1	.1	51	.22	.180	2	31	.47	102	.099	1	1.23	.015	.06	.1	.02	1.5	<.1	<.05	5	<.5
L49N 15E	.3	50.9	7.2	78	.2	20.3	16.6	299	2.45	1.3	.2	3.9	.7	20	.1	<.1	.1	56	.20	.211	2	53	.79	181	.145	1	1.44	.014	.08	<.1	.01	1.4	<.1	<.05	7	<.5
L49N 15+50E	.2	41.5	2.6	80	<.1	81.4	26.1	396	2.77	.9	.1	1.5	.4	18	.1	<.1	<.1	72	.30	.048	1	242	1.91	187	.178	1	2.01	.012	.33	.1	.01	1.2	<.1	<.05	6	<.5
L49N 16E	.4	16.8	5.0	37	<.1	21.0	9.6	236	1.39	1.7	.2	.7	.8	11	<.1	.1	.1	32	.15	.160	2	44	.47	117	.096	1	1.08	.016	.05	.1	.01	1.3	<.1	<.05	4	<.5
L49N 16+50E	.4	112.8	5.1	44	.2	38.9	15.1	232	2.24	1.0	.2	1.2	1.0	16	.1	.1	.1	55	.30	.055	3	92	.83	79	.124	1	1.72	.015	.12	.1	.01	2.0	<.1	<.05	5	<.5
L49N 17E	.4	65.6	2.8	82	<.1	57.3	25.8	492	3.19	1.0	.1	.8	.6	24	.1	.1	.1	78	.36	.062	2	140	1.73	122	.196	1	2.21	.014	.20	.1	.01	2.0	.1	<.05	6	<.5
L49N 17+50E	.6	38.1	4.8	80	.1	24.6	14.6	315	2.17	1.1	.2	1.6	.9	16	.1	.1	.1	54	.22	.079	3	49	.68	73	.123	1	1.53	.015	.07	.1	.01	1.7	.1	<.05	5	<.5
L49N 18E	1.0	50.6	3.7	67	.1	52.4	23.2	324	3.06	1.3	.2	1.0	.9	24	.1	.1	.1	74	.33	.051	3	139	1.51	96	.179	1	2.12	.012	.30	.1	.01	2.1	.1	<.05	6	<.5
L49N 18+50E	.6	67.7	3.2	80	<.1	46.9	23.5	339	3.60	1.5	.2	2.7	.9	28	.1	.1	.1	88	.35	.087	3	113	1.45	98	.176	1	2.29	.012	.13	.1	.01	2.2	.1	<.05	6	<.5
L49N 19E	1.0	232.6	4.4	130	.3	59.1	25.1	685	3.46	1.0	.2	3.2	.9	25	.3	.1	.1	81	.59	.029	3	128	1.40	86	.178	1	2.26	.013	.22	.1	.01	3.3	.1	<.05	6	<.5
L49N 19+50E	1.2	48.6	8.6	116	.3	37.6	20.5	249	3.65	2.2	.3	1.3	1.7	21	.2	.1	.2	71	.26	.263	4	73	.87	109	.178	1	3.17	.011	.15	.1	.02	2.8	.1	<.05	11	<.5
L49N 20E	1.3	120.0	3.2	102	.3	65.6	23.7	413	2.88	.9	.2	4.1	.6	20	.1	.1	.2	69	.40	.044	2	231	1.67	84	.167	1	2.15	.013	.14	.1	.01	2.3	.1	<.05	7	<.5
L48N BL10E	.4	15.0	4.5	43	<.1	14.3	9.4	306	1.61	.7	.2	1.2	.8	12	.1	<.1	.1	42	.13	.064	2	39	.39	51	.083	1	1.06	.013	.04	.1	.02	1.4	<.1	<.05	4	<.5
L48N 10+50E	.3	194.9	2.6	126	.3	48.5	26.5	455	3.92	1.4	.2	3.9	.8	29	.2	.1	<.1	92	.31	.119	2	98	1.44	131	.131	1	1.96	.010	.12	.1	.01	2.2	<.1	<.05	7	<.5
L48N 11E	.5	64.2	4.1	122	.2	34.1	22.7	359	3.19	1.8	.2	3.2	.7	25	.3	.1	.1	81	.28	.112	2	70	1.13	83	.144	3	1.86	.012	.08	.1	.02	2.1	<.1	<.05	7	<.5
L48N 11+50E	.7	55.7	7.7	124	.3	38.5	22.9	396	3.80	4.8	.3	1.5	1.5	25	.5	.2	.1	81	.26	.305	4	78	.87	119	.147	2	2.58	.009	.09	.2	.02	2.5	<.1	<.05	10	<.5
L48N 12E	.7	92.3	4.7	139	.2	38.5	25.6	458	3.29	2.2	.2	1.9	.9	23	.2	.1	.1	81	.30	.099	3	92	1.05	81	.151	2	1.89	.013	.10	.1	.01	2.4	<.1	<.05	8	<.5
L48N 12+50E	.6	77.9	4.0	108	.2	37.3	23.1	398	3.60	2.6	.4	6.9	1.6	21	.2	.2	.1	87	.37	.124	5	77	1.19	80	.154	1	2.23	.012	.15	.2	.02	2.9	.1	<.05	7	<.5
L48N 13E	.6	40.2	4.2	80	.1	33.0	17.5	361	2.54	1.6	.2	3.7	.9	17	.2	.1	.1	63	.29	.079	3	91	.87	63	.126	1	1.62	.013	.12	.1	.01	1.8	<.1	<.05	6	<.5
L48N 13+50E	.4	55.0	2.0	69	.1	34.0	21.9	315	3.57	3.2	.1	1.5	.5	27	.1	.2	<.1	105	.29	.086	2	95	1.23	32	.170	<1	1.48	.009	.17	.1	.01	1.8	<.1	<.05	6	<.5
L48N 14E	.4	148.3	4.5	99	.1	37.5	20.1	492	2.80	1.1	.2	1.5	.7	21	.2	.1	.1	68	.27	.119	2	90	1.16	108	.148	2	1.93	.013	.13	.1	.01	2.1	<.1	<.05	6	<.5
L48N 14+50E	.3	31.3	4.8	52	<.1	23.0	12.6	254	1.78	.6	.2	4.4	.9	12	.1	.1	.1	43	.15	.064	3	59	.56	70	.106	1	1.21	.014	.06	.1	.01	1.3	<.1	<.05	4	<.5
L48N 15E	.5	16.3	6.4	68	.1	24.0	17.0	448	2.41	1.4	.2	1.9	.8	13	.1	.1	.1	55	.19	.204	2	56	.66	132	.119	1	1.52	.013	.06	.1	.02	1.4	<.1	<.05	6	<.5
L48N 15+50E	.5	23.9	5.8	130	.2	62.0	25.3	411	3.13	1.6	.2	.9	1.1	20	.2	.1	.1	70	.39	.280	2	130	1.47	221	.164	2	2.65	.012	.20	.1	.02	2.3	.1	<.05	9	<.5
L48N 16E	.9	26.5	4.5	72	.2	26.0	12.3	369	1.88	.7	.2	2.7	.7	13	.1	.1	.1	45	.20	.093	2	63	.63	73	.114	2	1.44	.015	.08	.1	.01	1.4	<.1	<.05	5	<.5
L48N 16+50E	.4	60.4	2.8	63	<.1	46.7	20.1	298	2.84	1.6	.3	2.5	1.5	25	.1	.2	.1	70	.38	.052	5	109	1.30	67	.152	1	1.89	.014	.25	.1	<.01	2.6	.1	<.05	5	<.5
L48N 17E	.5	36.1	3.0	73	.2	35.6	18.1	297	2.66	1.3	.3	.8	1.7	21	.1	.2	.1	64	.29	.084	6	69	1.02	100	.139	1	1.68	.012	.19	.1	.01	2.4	.1	<.05	5	<.5
STANDARD DS7	20.6	111.3	73.1	416	.9	56.7	9.7	631	2.43	50.1	5.0	108.5	4.5	75	6.6	6.2	4.7	87	.97	.081	13	208	1.06	379	.123	42	1.00	.096	.43	4.0	.21	2.7	4.3	.19	5	3.5

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

Happy Creek Minerals Ltd. PROJECT Hawk FILE # A703585

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
G-1	.5	2.0	3.2	47	<.1	3.9	4.5	541	1.91	<.5	2.8	1.2	4.2	62	<.1	<.1	.1
L48N 17+50E	.9	67.6	4.4	123	.2	36.9	22.4	435	3.24	1.7	.2	2.3	1.3	23	.2	.1	.1
L48N 18E	.7	46.2	3.5	91	.1	38.4	19.9	332	2.82	1.6	.2	1.4	1.2	23	.1	.1	.1
L48N 18+50E	.5	150.3	2.2	68	<.1	52.3	27.7	380	3.83	1.9	.2	3.0	.9	35	.1	.1	.1
L48N 19E	1.0	58.4	4.5	114	.1	44.0	19.9	378	3.14	1.4	.2	.8	1.0	28	.1	.1	.1
L48N 19+50E	1.0	715.1	1.2	36	.2	97.5	59.4	428	7.26	5.7	.2	11.1	.3	44	.2	.2	<.1
L48N 20E	.7	28.7	4.7	106	.1	28.0	17.6	344	2.49	1.6	.3	1.5	1.3	30	.2	.1	.1
STANDARD DS7	20.5	112.4	71.3	416	.9	57.7	9.8	631	2.40	50.0	5.1	68.1	4.7	73	6.8	6.1	4.8

SAMPLE#	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	39	.54	.077	8	8	.60	222	.126	1	.97	.092	.52	.1	<.01	2.9	.4	<.05	5	<.5
L48N 17+50E	78	.30	.174	4	63	1.08	165	.143	1	1.95	.010	.20	.1	.01	2.6	.1	<.05	6	<.5
L48N 18E	74	.30	.087	4	80	1.11	107	.145	1	1.73	.010	.19	.1	.01	2.3	.1	<.05	5	<.5
L48N 18+50E	103	.50	.116	3	134	1.76	126	.186	1	2.22	.015	.27	.1	.01	3.3	.1	<.05	6	<.5
L48N 19E	81	.33	.095	3	103	1.13	96	.168	1	2.33	.015	.09	.1	.01	2.7	.1	<.05	7	<.5
L48N 19+50E	80	.73	.215	6	70	.77	20	.045	1	1.02	.005	.04	.2	.03	12.1	<.1	<.05	3	3.9
L48N 20E	67	.35	.142	4	49	.85	98	.138	1	1.64	.013	.21	.1	.01	2.1	.1	<.05	6	<.5
STANDARD DS7	88	.94	.083	14	182	1.05	379	.123	39	.98	.085	.43	3.8	.21	2.7	4.3	.22	5	3.5

Sample type: SOIL SS80 60C.

Data FA

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852 E. Hastings St. Vancouver BC V6A 1R6 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Submitted By: David Blann
Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.
Received: December 07, 2007
Report Date: January 30, 2008

CERTIFICATE OF ANALYSIS VAN08003258.1

CLIENT JOB INFORMATION

Project: ~~Fox~~ Hawk
Shipment ID:
P.O. Number
Number of Samples: 34

SAMPLE DISPOSAL

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	34	Crush split and pulverize drill core to 150mesh		
1DX	34	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed

ADDITIONAL COMMENTS

Invoice To: Happy Creek Minerals Ltd.
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
Raymond Chan

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: Hank
Report Date: January 30, 2008

CERTIFICATE OF ANALYSIS VAN08003258.1

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
779851	Rock	1.02	0.7	21.5	2.4	91	<0.1	17.1	21.3	1931	4.27	2.4	1.0	<0.5	0.4	187	0.2	7.8	<0.1	66	15.57
779852	Drill Core	7.44	0.5	10.2	0.9	37	<0.1	4.2	4.1	651	0.76	2.1	0.3	0.6	0.2	363	0.3	1.0	<0.1	39	12.25
779853	Drill Core	10.11	0.3	9.9	0.7	35	0.2	5.8	4.5	550	0.73	1.8	0.3	<0.5	0.2	1022	0.2	0.6	<0.1	33	11.45
779854	Drill Core	9.22	0.3	28.2	0.7	42	<0.1	6.3	5.9	1049	1.09	2.6	0.3	2.0	0.2	227	0.1	0.3	<0.1	60	11.34
779855	Drill Core	7.41	0.1	306.0	0.9	44	<0.1	7.5	16.7	955	3.81	3.0	0.2	3.6	0.3	100	<0.1	0.1	<0.1	125	5.07
779856	Drill Core	5.53	1.1	262.7	1.2	64	<0.1	8.2	22.7	792	4.75	2.6	0.3	2.8	0.4	101	<0.1	0.1	<0.1	136	2.61
779857	Drill Core	5.59	0.2	96.2	2.0	60	<0.1	14.3	17.1	1059	4.12	0.8	0.3	4.0	0.5	123	0.1	0.4	0.5	111	4.43
779858	Drill Core	8.94	<0.1	15.9	0.8	30	<0.1	6.9	5.8	745	1.07	1.8	0.2	2.0	0.2	407	0.2	0.4	<0.1	55	12.77
779859	Drill Core	8.67	<0.1	12.7	0.8	49	<0.1	15.0	12.6	741	2.16	2.7	0.2	1.1	0.2	378	0.1	0.3	<0.1	75	6.36
779860	Drill Core	9.61	0.1	100.9	1.3	60	<0.1	21.6	21.6	760	4.28	2.5	0.3	15.9	0.5	205	<0.1	0.4	<0.1	117	3.40
779861	Drill Core	7.63	0.6	138.7	1.3	60	<0.1	4.0	17.8	737	4.20	2.4	0.4	2.0	0.5	123	<0.1	0.4	<0.1	131	2.37
779862	Drill Core	6.00	0.1	200.6	1.8	50	<0.1	4.5	14.0	608	3.38	3.1	0.4	2.9	0.5	123	<0.1	0.4	<0.1	88	2.08
779863	Drill Core	1.49	<0.1	131.5	1.7	47	<0.1	4.5	11.8	958	2.58	5.9	0.6	0.8	0.7	130	<0.1	0.6	<0.1	61	4.41
779864	Drill Core	7.32	<0.1	241.2	1.6	54	0.1	6.4	16.9	726	3.66	2.7	0.4	7.2	0.5	130	<0.1	0.5	<0.1	91	2.79
779865	Drill Core	7.05	<0.1	219.1	1.6	51	0.1	4.5	14.8	800	3.61	2.4	0.3	8.2	0.5	109	<0.1	0.4	<0.1	86	2.52
779866	Drill Core	7.23	<0.1	276.1	2.1	53	0.1	4.6	15.5	957	3.62	4.5	0.4	16.2	0.6	112	0.1	0.4	<0.1	81	3.20
779867	Drill Core	6.82	<0.1	223.2	1.8	65	0.1	2.7	15.5	954	3.72	2.8	0.3	8.7	0.7	95	<0.1	0.4	<0.1	74	2.68
779868	Drill Core	8.34	<0.1	192.4	1.5	63	0.1	5.6	17.9	910	4.06	2.3	0.3	13.1	0.5	106	0.1	0.2	<0.1	111	2.60
779869	Drill Core	7.60	0.2	332.4	1.6	57	0.2	4.1	17.7	784	3.99	2.7	0.3	14.2	0.5	95	<0.1	0.3	<0.1	91	2.28
779870	Drill Core	6.46	<0.1	268.5	1.5	54	0.1	5.0	18.1	744	4.14	2.5	0.3	11.5	0.4	102	<0.1	0.3	<0.1	107	2.29
779871	Drill Core	7.94	<0.1	174.4	1.9	58	<0.1	5.0	15.5	1030	3.67	3.1	0.3	8.5	0.5	129	<0.1	0.3	<0.1	98	3.67
779872	Drill Core	7.79	<0.1	367.0	1.7	62	0.3	7.0	20.8	945	4.45	2.9	0.3	21.7	0.5	136	0.1	0.5	<0.1	135	3.17
779873	Drill Core	8.21	<0.1	170.5	1.4	60	0.1	5.7	18.1	1117	4.06	2.4	0.4	5.5	0.5	128	0.1	2.2	<0.1	97	3.92
779874	Drill Core	7.32	0.3	226.2	1.7	72	0.1	4.4	19.6	1333	4.29	2.7	0.3	11.2	0.5	143	<0.1	0.6	<0.1	75	3.94
779875	Drill Core	7.42	0.3	183.9	2.1	47	0.2	4.2	16.6	893	3.82	1.3	0.3	11.9	0.7	135	0.1	0.3	<0.1	69	4.08
779876	Drill Core	8.25	0.2	139.3	1.5	51	0.1	5.0	18.2	865	4.07	0.8	0.3	11.2	0.6	148	<0.1	0.2	<0.1	75	4.12
779877	Drill Core	8.74	0.3	57.7	1.5	36	<0.1	3.9	14.2	664	3.77	1.1	0.2	3.6	0.7	128	<0.1	0.2	<0.1	62	3.49
779878	Drill Core	7.64	0.3	97.6	1.3	61	<0.1	4.3	16.4	1087	3.79	2.6	0.4	10.4	0.5	156	<0.1	0.2	<0.1	101	3.21
779879	Drill Core	6.15	0.3	100.9	2.3	62	<0.1	5.5	16.9	1253	3.97	3.1	0.3	5.1	0.6	144	<0.1	0.3	<0.1	84	4.20
779880	Drill Core	4.55	0.3	86.8	2.2	54	<0.1	24.0	15.9	1255	3.57	3.1	0.4	5.2	0.9	207	<0.1	0.3	<0.1	78	5.45

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: FOX
Report Date: January 30, 2008

CERTIFICATE OF ANALYSIS VAN08003258.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
779851	Rock	0.189	2	46	0.45	31	0.002	4	0.39	0.004	0.19	0.3	0.16	14.5	<0.1	<0.05	1	<0.5
779852	Drill Core	0.116	2	29	0.69	25	0.046	93	0.66	0.005	<0.01	0.4	0.02	3.0	<0.1	<0.05	2	<0.5
779853	Drill Core	0.134	2	29	0.63	55	0.050	123	0.63	0.004	<0.01	7.3	<0.01	3.1	<0.1	0.07	1	<0.5
779854	Drill Core	0.135	2	51	0.58	24	0.063	3	0.69	0.007	<0.01	0.3	0.02	5.7	<0.1	0.14	2	<0.5
779855	Drill Core	0.202	3	24	1.08	15	0.110	2	1.18	0.025	0.09	0.1	0.02	5.9	<0.1	1.30	5	2.7
779856	Drill Core	0.229	4	21	1.40	24	0.154	2	1.53	0.039	0.13	<0.1	0.02	6.1	<0.1	1.10	6	2.5
779857	Drill Core	0.117	4	32	1.70	124	0.058	3	1.81	0.025	0.12	<0.1	<0.01	6.4	<0.1	0.80	6	0.6
779858	Drill Core	0.098	2	62	0.68	165	0.057	7	0.69	0.008	0.02	0.1	<0.01	5.9	<0.1	0.06	2	<0.5
779859	Drill Core	0.160	2	100	1.26	944	0.068	1	1.03	0.026	0.03	<0.1	0.01	8.0	<0.1	0.13	3	<0.5
779860	Drill Core	0.202	4	116	1.54	289	0.108	2	1.60	0.058	0.10	<0.1	0.01	6.9	<0.1	0.51	6	1.0
779861	Drill Core	0.252	4	4	1.05	16	0.112	1	1.31	0.043	0.09	0.1	0.03	4.5	<0.1	0.84	6	1.3
779862	Drill Core	0.194	4	5	0.80	16	0.098	2	1.11	0.043	0.10	<0.1	0.02	3.3	<0.1	1.06	5	1.9
779863	Drill Core	0.186	5	2	0.64	14	0.049	<1	1.06	0.030	0.09	<0.1	0.06	3.0	<0.1	0.77	4	1.4
779864	Drill Core	0.193	4	6	1.02	15	0.070	1	1.38	0.037	0.10	<0.1	0.03	4.2	<0.1	1.21	5	2.2
779865	Drill Core	0.190	4	6	1.04	19	0.088	<1	1.37	0.035	0.10	<0.1	0.02	3.5	<0.1	1.03	5	1.6
779866	Drill Core	0.187	5	4	1.07	19	0.066	1	1.41	0.037	0.11	0.1	0.03	3.7	<0.1	1.25	6	2.1
779867	Drill Core	0.188	5	3	1.12	22	0.081	1	1.40	0.039	0.14	0.1	0.02	3.2	<0.1	0.96	6	1.3
779868	Drill Core	0.229	3	5	1.46	18	0.101	1	1.87	0.038	0.11	0.1	0.02	4.7	<0.1	0.85	6	1.4
779869	Drill Core	0.205	3	4	1.12	16	0.095	1	1.45	0.045	0.11	0.1	0.03	3.3	<0.1	1.43	5	2.9
779870	Drill Core	0.209	3	8	1.21	28	0.116	1	1.40	0.043	0.12	0.1	0.01	4.3	<0.1	1.30	5	2.3
779871	Drill Core	0.170	4	8	1.10	95	0.075	1	1.33	0.037	0.12	<0.1	0.01	4.2	<0.1	0.82	5	1.4
779872	Drill Core	0.246	4	4	1.42	111	0.115	1	1.66	0.042	0.11	0.1	0.04	6.1	<0.1	0.96	6	1.3
779873	Drill Core	0.210	4	5	1.52	36	0.042	2	1.27	0.025	0.17	<0.1	0.03	8.3	<0.1	0.71	4	1.1
779874	Drill Core	0.227	5	3	1.51	126	0.006	2	1.39	0.025	0.25	<0.1	0.03	7.8	<0.1	0.96	4	1.5
779875	Drill Core	0.177	7	4	1.18	92	0.017	2	1.67	0.027	0.28	0.1	0.03	4.6	<0.1	1.31	5	1.8
779876	Drill Core	0.175	6	4	1.39	98	0.020	1	1.94	0.021	0.23	<0.1	0.04	5.3	<0.1	1.42	5	1.5
779877	Drill Core	0.159	7	3	1.17	50	0.020	2	1.43	0.022	0.19	<0.1	0.03	3.2	<0.1	1.77	4	1.2
779878	Drill Core	0.225	5	4	1.30	152	0.051	2	1.33	0.032	0.16	0.1	0.02	5.3	<0.1	0.71	5	1.0
779879	Drill Core	0.185	7	3	1.18	81	0.004	2	1.61	0.027	0.18	<0.1	0.04	4.7	<0.1	1.28	6	1.0
779880	Drill Core	0.194	6	18	1.16	109	0.013	1	1.53	0.027	0.22	<0.1	0.02	5.1	<0.1	1.01	5	0.9

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: FOX
Report Date: January 30, 2008

CERTIFICATE OF ANALYSIS VAN08003258.1

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
779881	Drill Core	1.91	0.7	108.4	2.5	55	<0.1	17.4	18.9	1593	3.45	4.0	0.7	5.2	1.0	243	0.1	0.5	<0.1	53	8.32
779882	Drill Core	2.22	0.6	130.0	1.9	48	<0.1	15.9	21.2	1615	3.71	4.1	0.7	9.7	0.4	255	0.2	0.8	<0.1	60	9.69
779883	Drill Core	5.20	0.4	84.1	1.9	49	<0.1	7.2	16.3	2034	3.58	6.9	0.9	10.2	0.6	221	0.1	0.5	<0.1	47	10.55
779884	Drill Core	5.32	0.4	114.0	1.9	54	<0.1	13.6	18.8	2158	3.91	2.8	0.5	4.5	0.3	245	0.1	0.7	<0.1	44	11.18

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: FOX
Report Date: January 30, 2008

CERTIFICATE OF ANALYSIS VAN08003258.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
779881	Drill Core	0.173	7	31	2.22	266	0.016	2	1.04	0.026	0.29	0.2	0.06	5.8	<0.1	0.57	2	1.2
779882	Drill Core	0.171	6	6	2.67	45	0.002	2	1.04	0.026	0.24	0.2	0.14	9.4	0.1	0.44	2	1.1
779883	Drill Core	0.208	5	5	2.73	71	0.002	2	0.89	0.022	0.28	0.3	0.06	8.0	<0.1	0.27	2	0.9
779884	Drill Core	0.191	6	3	2.66	50	0.001	2	0.85	0.023	0.26	<0.1	0.04	6.5	<0.1	0.40	1	0.9

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: FOX
Report Date: January 30, 2008

QUALITY CONTROL REPORT VAN08003258.1

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
779866	Drill Core	7.23	<0.1	276.1	2.1	53	0.1	4.6	15.5	957	3.62	4.5	0.4	16.2	0.6	112	0.1	0.4	<0.1	81	3.20
REP 779866	QC		<0.1	279.3	2.1	54	0.1	4.4	15.5	952	3.65	4.2	0.4	14.7	0.6	117	0.1	0.4	<0.1	80	3.25
Core Reject Duplicates																					
779858	Drill Core	6.94	<0.1	15.9	0.8	30	<0.1	6.9	5.8	745	1.07	1.8	0.2	2.0	0.2	407	0.2	0.4	<0.1	55	12.77
DUP 779858	QC		<0.1	16.4	0.7	29	<0.1	7.3	5.8	745	1.04	1.8	0.1	4.2	0.1	396	0.1	0.4	<0.1	53	12.32
Reference Materials																					
STD DS7	Standard		21.1	100.8	70.0	391	0.8	56.0	8.9	603	2.28	48.3	5.1	56.8	4.7	74	6.6	6.2	4.6	83	0.91
STD DS7	Standard		21.1	102.6	67.8	391	0.8	56.2	9.5	608	2.32	49.6	4.8	61.6	4.4	73	6.4	6.4	4.5	86	0.95
STD DS7	Standard		20.6	98.6	61.4	387	0.8	48.9	8.8	597	2.25	48.6	4.6	64.2	4.4	70	6.1	5.5	4.3	80	0.92
STD DS7	Standard		20.2	97.3	64.9	378	0.8	54.9	9.0	623	2.23	50.7	4.6	61.8	4.4	74	5.9	5.7	4.3	85	0.94
STD DS7 Expected			20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.9	1.5	2.7	45	<0.1	4.2	4.2	520	1.76	<0.5	2.4	<0.5	4.1	56	<0.1	<0.1	<0.1	35	0.52
G1	Prep Blank	<0.01	0.6	1.6	2.6	46	<0.1	3.9	4.2	534	1.69	<0.5	2.3	<0.5	4.3	57	<0.1	<0.1	<0.1	34	0.45

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Client: Happy Creek Minerals Ltd.
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: FOX
Report Date: January 30, 2008

QUALITY CONTROL REPORT VAN08003258.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																		
779866	Drill Core	0.187	5	4	1.07	19	0.066	1	1.41	0.037	0.11	0.1	0.03	3.7	<0.1	1.25	6	2.1
REP 779866	QC	0.193	5	4	1.07	19	0.067	1	1.43	0.037	0.12	<0.1	0.02	3.7	<0.1	1.27	6	1.6
Core Reject Duplicates																		
779858	Drill Core	0.098	2	62	0.68	165	0.057	7	0.69	0.008	0.02	0.1	<0.01	5.9	<0.1	0.06	2	<0.5
DUP 779858	QC	0.097	2	62	0.67	159	0.056	7	0.70	0.008	0.02	0.1	<0.01	5.8	<0.1	0.07	2	<0.5
Reference Materials																		
STD DS7	Standard	0.074	12	196	1.01	386	0.111	41	0.95	0.086	0.43	4.0	0.19	2.1	4.3	0.19	4	3.3
STD DS7	Standard	0.076	13	203	1.02	383	0.119	40	0.98	0.090	0.42	4.0	0.20	2.3	4.2	0.19	5	3.9
STD DS7	Standard	0.076	13	190	0.98	357	0.105	39	0.97	0.088	0.43	3.9	0.21	2.1	4.2	0.19	5	3.3
STD DS7	Standard	0.074	13	207	1.02	367	0.105	40	1.02	0.088	0.44	3.9	0.20	2.2	4.1	0.18	5	3.3
STD DS7 Expected		0.08	12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.071	6	8	0.57	222	0.113	<1	0.90	0.056	0.48	0.1	<0.01	1.6	0.4	<0.05	5	<0.5
G1	Prep Blank	0.072	6	8	0.58	219	0.111	<1	0.89	0.056	0.49	0.4	<0.01	1.5	0.4	<0.05	5	<0.5

Client: Happy Creek Minerals Ltd.
Suite 2300 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: Hawk
Report Date: May 14, 2008

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CERTIFICATE OF ANALYSIS VAN08005744.1

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
4414	Rock	1.01	1.0	53.2	1.9	12	1.6	2.9	3.7	77	0.51	1.1	0.5	9.5	0.3	22	0.1	0.9	<0.1	10	0.17
4415	Rock	1.32	33.9	656.5	1.6	38	7.6	2.4	9.3	297	2.78	3.1	0.6	60.3	0.9	18	0.4	0.2	0.3	67	0.38
4416	Rock	0.59	354.8	909.8	5.6	46	6.7	4.0	6.2	301	6.93	2.6	0.4	15.9	0.6	29	0.3	0.1	1.6	104	0.30
4417	Rock	1.10	3.2	2314	6.9	65	48.0	3.2	14.8	512	3.80	16.5	0.5	3381	1.1	29	0.5	0.3	3.0	44	0.40
4418	Rock	0.98	10.9	98.6	12.8	86	1.0	3.5	8.7	260	5.02	11.6	0.5	66.2	1.1	32	1.7	0.3	6.8	64	0.90
HK — 4419	Rock	2.07	0.5	85.3	1.9	37	0.1	14.8	17.6	441	3.44	5.0	<0.1	18.6	0.2	112	<0.1	0.3	<0.1	115	1.73
HK — 4420	Rock	1.12	0.9	29.1	2.0	34	<0.1	9.5	19.4	697	3.47	2.4	0.3	1.9	1.0	309	0.1	0.2	<0.1	113	3.69
HK — 4421	Rock	1.19	0.4	195.2	0.8	25	0.2	15.6	10.5	429	1.35	1.3	<0.1	5.9	<0.1	87	<0.1	<0.1	0.3	49	1.41

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Client: **Happy Creek Minerals Ltd.**
Suite 2300 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: Hawk
Report Date: May 14, 2008

CERTIFICATE OF ANALYSIS VAN08005744.1

			P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
	4414	Rock	0.005	1	11	0.07	4	0.012	<20	0.19	0.038	0.01	0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5
	4415	Rock	0.054	2	7	0.57	89	0.110	<20	1.14	0.062	0.29	2.7	0.02	1.9	0.1	0.05	4	1.8
	4416	Rock	0.057	2	8	0.58	132	0.064	<20	1.52	0.075	0.28	0.8	<0.01	4.0	0.3	0.53	6	6.2
	4417	Rock	0.061	2	6	0.69	65	0.062	<20	1.30	0.016	0.20	1.2	0.12	2.1	<0.1	1.86	4	0.6
	4418	Rock	0.046	1	6	0.62	97	0.083	<20	2.10	0.260	0.61	>100	<0.01	4.2	0.5	3.46	6	0.6
HK	4419	Rock	0.147	2	26	1.02	20	0.144	<20	1.10	0.074	0.23	0.2	<0.01	4.1	<0.1	<0.05	4	<0.5
HK	4420	Rock	0.380	11	21	0.98	113	0.122	<20	1.39	0.079	0.35	0.3	<0.01	2.6	<0.1	<0.05	4	<0.5
HK	4421	Rock	0.105	1	75	0.86	53	0.129	<20	1.01	0.034	0.54	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5

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Client:	**Happy Creek Minerals Ltd.** 2304 - 1066 W. Hastings St. Vancouver BC V6E 3X2 Canada
Submitted By:	David Blann
Receiving Lab:	Acme Analytical Laboratories (Vancouver) Ltd.
Received:	January 22, 2008
Report Date:	March 06, 2008
Page:	1 of 2

CERTIFICATE OF ANALYSIS VAN08003901.1

CLIENT JOB INFORMATION

Project:	Hawk
Shipment ID:	
P.O. Number	
Number of Samples:	10

SAMPLE DISPOSAL

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

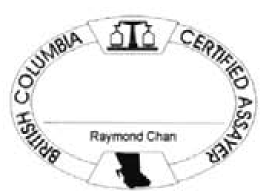
SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	10	Crush, split and pulverize rock to 150 mesh		
1DX	10	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed

ADDITIONAL COMMENTS

Invoice To: Happy Creek Minerals Ltd.
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2
Canada

CC: D. Ridley



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Client: **Happy Creek Minerals Ltd.**
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Vancouver BC V6E 3X2 Canada

Project: Hawk
Report Date: March 06, 2008

CERTIFICATE OF ANALYSIS VAN08003901.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
493451	Rock	0.8	2.6	3.0	44	<0.1	3.9	4.3	551	1.91	<0.5	2.5	0.8	4.1	58	<0.1	<0.1	<0.1	40	0.51	0.075
493452	Rock	0.8	1412	1.7	24	0.3	11.6	17.4	531	2.63	2.2	0.2	11.5	0.3	157	0.2	<0.1	<0.1	89	2.18	0.237
493453	Rock	0.5	3288	3.3	17	2.3	9.1	10.2	695	1.49	3.0	<0.1	126.7	0.2	252	0.4	0.1	0.2	68	6.78	0.195
493454	Rock	1.1	141.4	2.2	21	0.1	11.9	11.7	148	2.95	1.1	0.5	5.5	1.1	72	<0.1	<0.1	<0.1	58	0.67	0.123
493455	Rock	0.4	100.9	0.8	36	<0.1	64.6	24.3	380	3.01	1.0	0.1	2.8	0.2	92	0.1	0.1	<0.1	90	1.29	0.082
493466	Rock	0.8	2628	2.3	22	2.1	6.3	4.6	502	0.93	1.5	<0.1	18.1	0.3	85	1.4	<0.1	1.4	31	4.38	0.164
493467	Rock	0.5	5018	2.3	29	2.3	10.3	10.8	499	1.62	2.7	<0.1	95.1	0.2	140	0.8	0.2	0.2	76	3.00	0.128
C184339	Rock	0.7	3786	5.1	18	1.0	6.0	5.5	190	1.66	2.6	<0.1	21.7	<0.1	11	0.6	<0.1	0.1	28	0.44	0.020
C184350	Rock	0.8	669.5	1.2	48	0.3	12.4	22.0	600	2.52	1.7	0.1	11.5	0.2	97	0.1	<0.1	<0.1	83	2.40	0.174
C184396	Rock	0.6	306.7	6.8	32	<0.1	12.4	14.8	1383	3.90	2.3	<0.1	3.1	<0.1	230	0.1	0.2	<0.1	155	10.40	0.094

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: Hawk
Report Date: March 06, 2008

CERTIFICATE OF ANALYSIS VAN08003901.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
493451	Rock	7	14	0.59	216	0.126	1	1.14	0.101	0.53	<0.1	<0.01	2.2	0.4	<0.05	5	<0.5
493452	Rock	2	23	1.21	85	0.154	5	1.29	0.113	0.51	0.3	<0.01	4.1	<0.1	0.08	4	0.5
493453	Rock	2	27	0.92	78	0.132	5	1.02	0.047	0.35	0.2	<0.01	4.6	<0.1	0.09	3	1.3
493454	Rock	5	20	0.51	76	0.106	2	0.96	0.043	0.12	<0.1	<0.01	1.9	<0.1	1.30	4	1.7
493455	Rock	2	99	1.51	66	0.115	2	1.43	0.071	0.10	0.2	<0.01	4.8	<0.1	0.57	4	<0.5
493466	Rock	3	35	0.56	108	0.105	1	0.44	0.030	0.07	0.3	<0.01	3.5	<0.1	0.16	1	1.0
493467	Rock	1	26	0.62	141	0.153	4	1.10	0.030	0.23	0.2	0.03	3.6	<0.1	0.19	3	2.5
C184339	Rock	<1	25	0.46	39	0.004	1	0.44	0.004	0.07	<0.1	0.03	2.2	<0.1	0.38	2	1.0
C184350	Rock	2	65	1.22	114	0.163	3	1.26	0.102	0.63	<0.1	<0.01	5.0	<0.1	0.29	4	<0.5
C184396	Rock	<1	14	0.92	27	0.170	2	1.04	0.017	0.36	0.2	<0.01	3.4	<0.1	<0.05	4	<0.5

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Client: **Happy Creek Minerals Ltd.**
2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: Hawk
Report Date: March 06, 2008

QUALITY CONTROL REPORT

VAN08003901.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																					
STD DS7	Standard	21.2	103.9	72.6	413	0.9	57.0	9.5	641	2.43	53.1	5.2	66.1	4.9	82	6.8	7.2	4.7	89	0.98	0.080
STD DS7	Standard	21.4	111.0	77.4	426	0.9	59.5	9.7	636	2.49	54.6	5.3	61.0	5.4	89	7.0	7.3	5.1	86	1.05	0.084
STD DS7	Standard	21.0	104.7	77.5	394	0.8	57.6	9.6	616	2.38	53.1	5.4	62.0	5.1	65	7.0	6.4	5.4	84	0.92	0.085
STD DS7	Standard	19.9	100.4	71.9	379	0.8	52.9	9.1	600	2.23	53.8	5.3	58.5	5.0	66	6.6	6.2	4.9	85	0.95	0.085
STD DS7	Standard	21.2	102.3	65.4	380	0.8	56.2	9.3	646	2.34	50.4	5.1	58.4	4.8	71	7.0	6.4	4.5	94	0.95	0.075
STD DS7	Standard	20.2	95.6	65.4	397	0.8	57.4	9.7	604	2.27	52.4	5.1	65.1	4.7	71	6.7	6.5	4.7	89	0.93	0.075
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	0.5	2.6	4.0	50	<0.1	4.9	4.3	547	1.87	<0.5	2.3	5.1	4.5	57	<0.1	<0.1	<0.1	37	0.47	0.078
G1	Prep Blank	73.7	1656	2.4	22	0.9	14.5	8.6	425	1.34	1.6	<0.1	8.8	0.1	120	0.7	0.3	0.1	55	2.62	0.132

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Project: Hawk
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QUALITY CONTROL REPORT VAN08003901.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Reference Materials																	
STD DS7	Standard	14	203	1.08	387	0.130	48	1.04	0.098	0.50	4.2	0.20	2.6	4.4	0.20	5	3.4
STD DS7	Standard	15	202	1.10	426	0.129	45	1.09	0.099	0.48	4.2	0.20	2.7	4.4	0.19	5	3.9
STD DS7	Standard	12	192	1.03	369	0.124	49	0.96	0.100	0.43	3.9	0.20	2.2	4.3	0.19	4	3.3
STD DS7	Standard	12	190	1.03	344	0.123	41	1.01	0.095	0.44	3.7	0.19	2.3	4.0	0.19	4	3.6
STD DS7	Standard	13	215	1.03	380	0.133	41	1.01	0.097	0.47	4.1	0.19	2.5	4.1	0.20	4	3.7
STD DS7	Standard	13	210	1.01	382	0.135	38	0.98	0.090	0.43	3.7	0.20	2.2	4.2	0.19	5	4.2
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																	
G1	Prep Blank	7	13	0.61	233	0.124	<1	1.00	0.071	0.56	0.2	<0.01	1.8	0.4	<0.05	5	<0.5
G1	Prep Blank	1	49	0.66	38	0.131	<1	0.75	0.050	0.34	0.2	<0.01	2.6	<0.1	0.07	2	1.0

Appendix 2

Geophysical Survey

Geophysical Report

3D Induced Polarization

ON THE

Hawk Property

FOR

Happy Creek Minerals Ltd.

#2304 - 1066 West Hastings Street
Vancouver, British Columbia
V6E 3X2, Canada

Location: South Central Cariboo, British Columbia
NTS sheet: 092P15
TRIM mapsheet: 92P086
642900E, 5750250N - WGS84 Zone10
Mining Division: Clinton

DRAFT VERSION 1.2

Survey Conducted by
SJ Geophysics Ltd.
June 2007

Report Written by
Brian Chen
February 2008

TABLE OF CONTENTS

ILLUSTRATION INDEX

List of Digital Files Included With Report

File Name	Description
Hawk_Surveylines.xls	Excel spreadsheet, location data
Hawk_3DIPXYZdata.txt	ASCII format, 3D IP survey data
Hawk_Planmaps_CHG.pdf	PDF file format, interpreted chargeability plan maps.
Hawk_Planmaps_RES.pdf	PDF file format, interpreted resistivity plan maps.
Hawk_3DSections.pdf	PDF file format, interpreted resistivity and Chargeability Cross Sections.

List of Plates

PLATE #	3D-IP Plan Maps of El Salto Project
Plate R-1	Interpreted Resistivity – 50m Below Surface
Plate C-1	Interpreted Chargeability – 50m Below Surface
Plate R-2	Interpreted Resistivity – 100m Below Surface
Plate C-2	Interpreted Chargeability – 100m Below Surface
Plate R-3	Interpreted Resistivity – 150m Below Surface
Plate C-3	Interpreted Chargeability – 150m Below Surface
Plate R-4	Interpreted Resistivity – 200m Below Surface
Plate C-4	Interpreted Chargeability – 200m Below Surface
Plate R-5	Interpreted Resistivity – 300m Below Surface
Plate C-5	Interpreted Chargeability – 300m Below Surface
Plate R-6	Interpreted Resistivity – 400m Below Surface
Plate C-6	Interpreted Chargeability – 400m Below Surface
	3D IP Cross Sections of hawk

1. Introduction

A 3D Induced Polarization survey was undertaken for Happy Creek Minerals Ltd. on its Hawk property by SJ Geophysics Ltd. from June 15th to July 25th 2007. The property is located approximately 35.8 kilometers northeast of 100 Mile House and 24 kilometers south of the Boss Mountain Molybdenum mine, in the south Cariboo region of British Columbia, Canada. During this period of time, 13 lines with total line kilometres of 15.6km were surveyed. The purpose of the survey was to assist with the detail geological mapping process by outlining subsurface features as well as to identify priority drill targets in a Copper-Gold-Silver porphyry mineralization system.

This report describes the ground geophysical project and discusses the resistivity and chargeability responses based on the 3D IP inverted models of the survey. It is written as an addendum to a more complete report; therefore, this does not cover items such as discussion of the background geology or costs associated with the survey.

2. Location and Line Information

The Hawk property is located approximately 35.8 kilometres northeast of 100 Mile House, in the south central Cariboo region, B.C., Canada. (Figure 1). The geophysical grid was accessible from 100 Mile House via Canim-Hendrix road, Ragle Creek road and Schoolhouse logging road.

The survey area is situated in the Quesnel highlands physiographic region with elevations ranging from 788m to 1075m. There is logging activity in the area. The ground is covered by dense stands of lodgepole pine, Douglas fir, paper birch and aspen.

Figure 1: Location of Hawk Property (Base Map Derived From Google Earth)

The survey grid consisted of 13 lines with line azimuth of approximately 108 degree and line length of about 1200m each. Most of the lines have line spacing of 200m. Line spacing between lines 5600N and 5900N was 300m while lines 5900N and 6400N were 500m apart (Figure 2). Stations were marked and flagged at every 50m along each line.

Tables on Appendix 2 show more detailed surveyed line information.

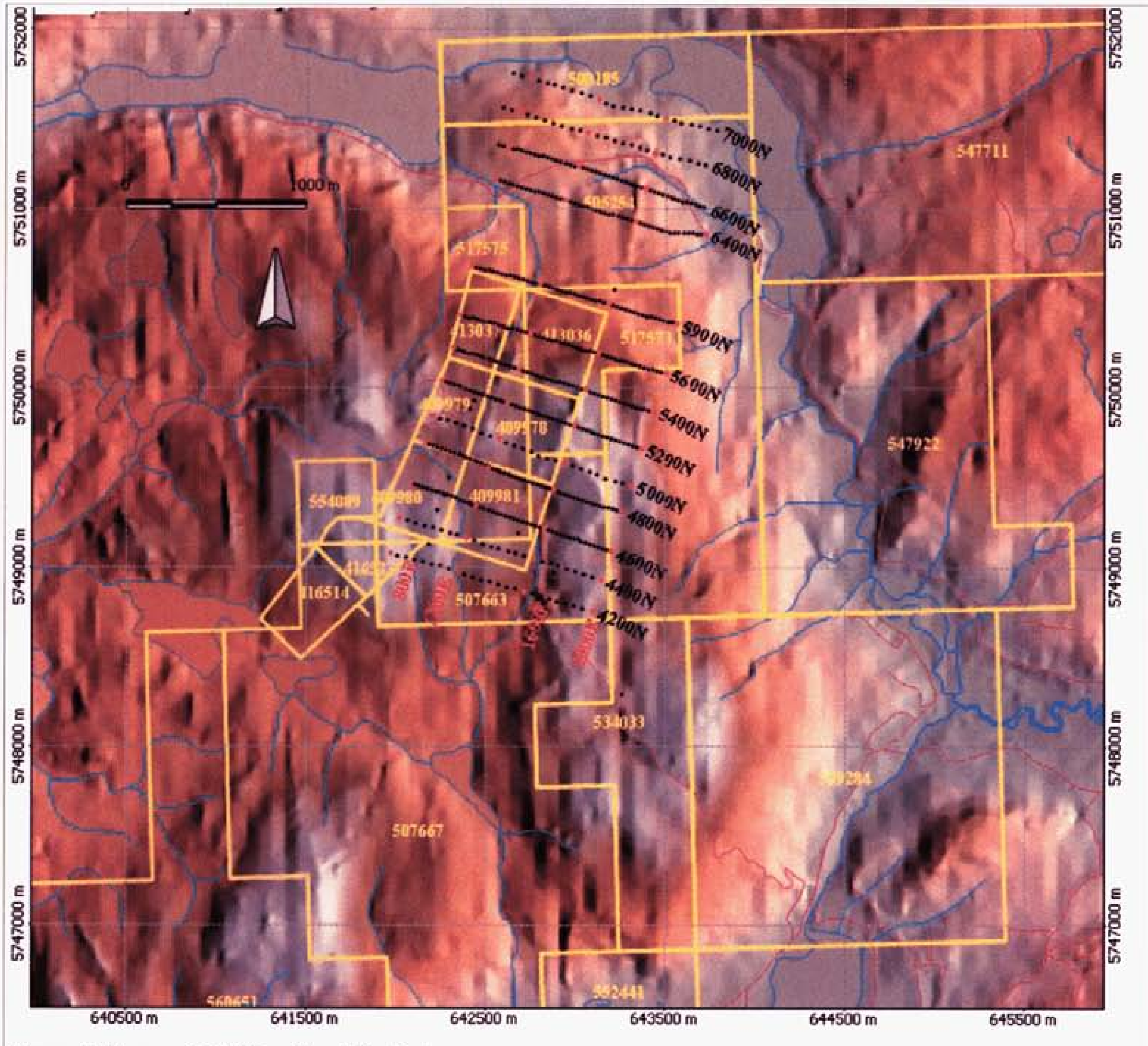


Figure 2: Survey Grid Map, Hawk Project.

3. Field Work and Instrumentation

The IP crew consisted of five SJ Geophysics Ltd. employees: Alex Visser (Geophysical Technician), Jeff Stott, Ashley Bezembinder, Frank Consuegra, Niki Johnston.

The crew mobilized with survey equipment from Delta to 100 Mile House on June 15th, 2007 and setup the IP survey on next day. IP data acquisition started from June 17th and finished on June 24th. The survey started from line 4200N and proceeded towards north. The crew demobilized to 100 Mile House on June 25th. SJ Geophysics Ltd. provided vehicle, meals and accommodations for the crew during the survey period. This survey included 8 production days and 2 mobilization days.

For the 3D IP survey a modified pole-dipole configuration array was used with a combination of 12 dipoles of 100m separation. The IP data was collected using SJ Geophysics' Full Wave Form receiver. As for the transmitter, one Walcer Tx9000 IP transmitter was used during the duration of the program. Current was injected into the ground on a 2 seconds on, 2 seconds off duty cycle. For the production phase, the 3D configuration consisted of two current lines being recorded into the receiver line. The two current injection locations were on the two adjacent survey lines 200m or more away from the receiver line.

The potential array was implemented using specialized 8 conductor IP cables configured with 50m takeouts for the potential rods. At each current station, the electrodes used consisted of 15mm stainless steel rods of approximately 1m in length. For the potential line, the electrodes consisted of 10mm stainless steel "pins" of 0.5m in length. The exact location of the remote current is used in the geophysical calculations.

Location data was collected using Garmin hand held GPS at position accuracy of 5-6m and clinometer. The location data was in WGS84 projection and integrated with BC Trim DEM for the inversion process. Survey data QC and processing were done on a daily basis.

4. Geophysical Techniques

4.1. IP Method

The time domain IP technique energizes the ground surface with an alternating square wave pulse via a pair of current electrodes. On most surveys, such as this one, the IP/Resistivity measurements are made on a regular grid of stations along survey lines.

After the transmitter (Tx) pulse has been transmitted into the ground via the current electrodes, the IP effect is measured as a time diminishing voltage at the receiver electrodes. The IP effect is a measure of the amount of IP polarizable materials in the subsurface rock. Under ideal circumstances, IP chargeability responses are a measure of the amount of disseminated metallic sulfides in the subsurface rocks.

Unfortunately, there are other rock materials that give rise to IP effects, including some graphitic rocks, clays and some metamorphic rocks (serpentinite for example). So from a geological point of view, IP responses are almost never uniquely interpretable. Because of the non-uniqueness of geophysical measurements it is always prudent to incorporate other data sets to assist in interpretation.

Also, from the IP measurements the apparent (bulk) resistivity of the ground is calculated from the input current and the measured primary voltage. IP/resistivity measurements are generally considered to be repeatable to within about five percent. However, they will exceed that if field conditions change due to variable water content or variable electrode contact.

IP/resistivity measurements are influenced, to a large degree, by the rock materials nearest the surface (or, more precisely, nearest the measuring electrodes), and the interpretation of the traditional pseudosection presentation of IP data in the past has often been uncertain. This is because stronger responses that are located near surface could mask a weaker one that is located at depth.

4.2. 3D IP Method

Three dimensional IP surveys are designed to take advantage of the interpretational functionality offered by 3D inversion techniques. Unlike conventional IP, the electrode arrays are no longer restricted to in-line geometry. Typically, current electrodes and receiver electrodes are located on adjacent lines. Under these conditions, multiple current locations can be applied to a single receiver electrode array and data acquisition rates can be significantly improved over conventional surveys.

In a common 3D IP configuration, a receiver array is established, end-to-end along a survey line while current electrodes are located on two adjacent lines. The survey typically starts at one end of the line and proceeds to the other end. A 12 dipole array normally consists of 12 100m dipoles. Current electrodes are advanced along the adjacent lines, starting at approximately 200m from the centre of the array and advance approximately 400m through the array at 100m increments. At this point, the receiver array is advanced 400m and the process is repeated down the line. Receiver arrays are typically established on every second line (400m apart) thereby providing subsurface coverage at 200m increments.

5. 3D IP Inversion Programs

"Inversion" programs have recently become available that allow a more definitive interpretation, although the process remains subjective.

The purpose of the inversion process is to convert surface IP/Resistivity measurements into a realistic "Interpreted Depth Section." However, note that the term is left in quotation marks. The use of the inversion routine is a subjective one because the input into the inversion routine calls for a number of user selectable variables whose adjustment can greatly influence the output. The output from the inversion routines do assist in providing a more reliable interpretation of IP/Resistivity data, however, they are relatively new to the exploration industry and are, to some degree, still in the experimental stage.

The inversion programs are generally applied iteratively to evaluate the output with regard to what is geologically known, to estimate the depth of detection, and to determine the viability of specific measurements.

The Inversion Program (DCINV3D) used by the SJ Geophysical Group was developed by a consortium of major mining companies under the auspices of the UBC-Geophysical Inversion Facility. It solves two inverse problems. The DC potentials are first inverted to recover the spatial distribution of electrical resistivity, and, secondly, the chargeability data (IP) are inverted to recover the spatial distribution of IP polarizable particles in the rocks.

The interpreted depth section maps represent the cross sectional distribution of polarizable materials, in the case of IP effect, and the cross sectional distribution of the resistivity, in the case of the resistivity parameter.

6. Data Presentation

6.1. Cross Sections

As described above, the IP data is processed through an inversion program that outputs one possible subsurface distribution of resistivity and polarizable materials that would produce the observed data. These results are presented in a false-colour cross section and these displays can be directly interpreted as geological cross sections.

Cross sections for the resistivity survey are created as 1:5000 scale plots and provided to the clients in digital PDF format files. Cross section maps of page size are also produced and included in Appendix 4

6.2. Plan Maps

False colour contour maps of the inverted resistivity result can be produced for selected depths. Data is positioned using TM coordinates gathered during the field work. This display illustrates the areal distribution of the geophysical trends, outlining strike orientations and possible fault offsets.

Plan maps are created at depths of 50m, 100m, 150m, 200m, 300m and 400m below surface at a 1:5000 scale and provided to the clients in digital PDF format files. Plan maps of page size are also produced and included in Appendix 4.

6.3. *Inversion Model*

With computer technology that exists today, the 3D inversions results can be easily viewed using a 3D visualization program such as UBC-GIF's dicer3d program or open-source software packages such as Paraview or Mayavi. These programs use a block model format to manipulate the data and allow a user to view the model from infinite viewing angles, or to create infinite cross-sections or plan maps. In addition, these visualization programs allow the user to isolate different isosurfaces to facilitate interpretation of the data.

7. Background Geology

The following section is derived from NI43-101 Report on the Hawk Property, Greg Thomson, 2006. The Hawk property has been explored since 1979 by a number of individuals and companies using geochemical, geophysical, geological surveys and diamond drilling methods. It is located near the eastern side of Quesnel Terrene, in the South Cariboo. The old rocks in the grid, Snowshoe Group and Redfern Ultramafic complex, occur in the east part of the property. There is a west dipping continental scale thrust fault, Eureka Thrust, separating these Paleozoic rocks to the east and a Upper Triassic-Lower Jurassic Nicola Group island arc to the west. Stocks, dikes and sills of granodiorite, quartz monzonite to granite composition of Middle Jurassic to Cretaceous age, cut Nicola Group and older rocks. Volcanic and volcaniclastic rocks of basalt to rhyolite composition, locally 600m in thickness, cut and overlie previous lithology, dominantly to the west and southwest of the Hawk property.

Alkaline, olivine and peridote bearing basalt dike, flow, and minor tuff of Quaternary age, occurs east of the property and cut all previous units. Glacial till and glacio-fluvial, lacustrine deposits are approximately 1 meter in depth to over 30 metres locally.

Mineralization types could be Nicola Group volcanic and intrusive rocks hosted copper-gold-silver hydrothermal alteration related and porphyry related copper-gold skarn type.

8. Discussion of Results

The survey parameters of 100m dipole and 200 line separation is designed for larger porphyry type targets. In the near surface, less than 100m, the results can be considered of poor resolution and would be difficult to detect a small feature in the near feature that exists between the lines. As a result, the survey is designed to detect a target size on the order of 100m x 100m.

Figure 3 shows the inverted resistivity plan map at depth of 50m below topography with geology and soil geochemistry overlaying on top of it. The inverted resistivity model shows an approximate background of about 1000 Ohm-m. The model demonstrates a complex resistivity regime, the complexity of the geology on the property may explain this. Although complex, a few clear features are distinguishable. There are two clear north-south trending low resistivity lineaments existing in the southwest portion of the survey grid. These have been denoted as the black dashed lines and correlate with faults/lineaments describe by the geological map. In addition, there is an obvious ENE trending low resistivity zone cutting across the northern portion of the grid. This belt of low resistance (less than 500 Ohm-m) is approximately 500m in width and is denoted as the white hatched area in Figure 3.

Additional linear features, with less certainty, have also been denoted as black dashed lines. Due to the complexity, the author can not ascertain the accuracy of these NW trending features.

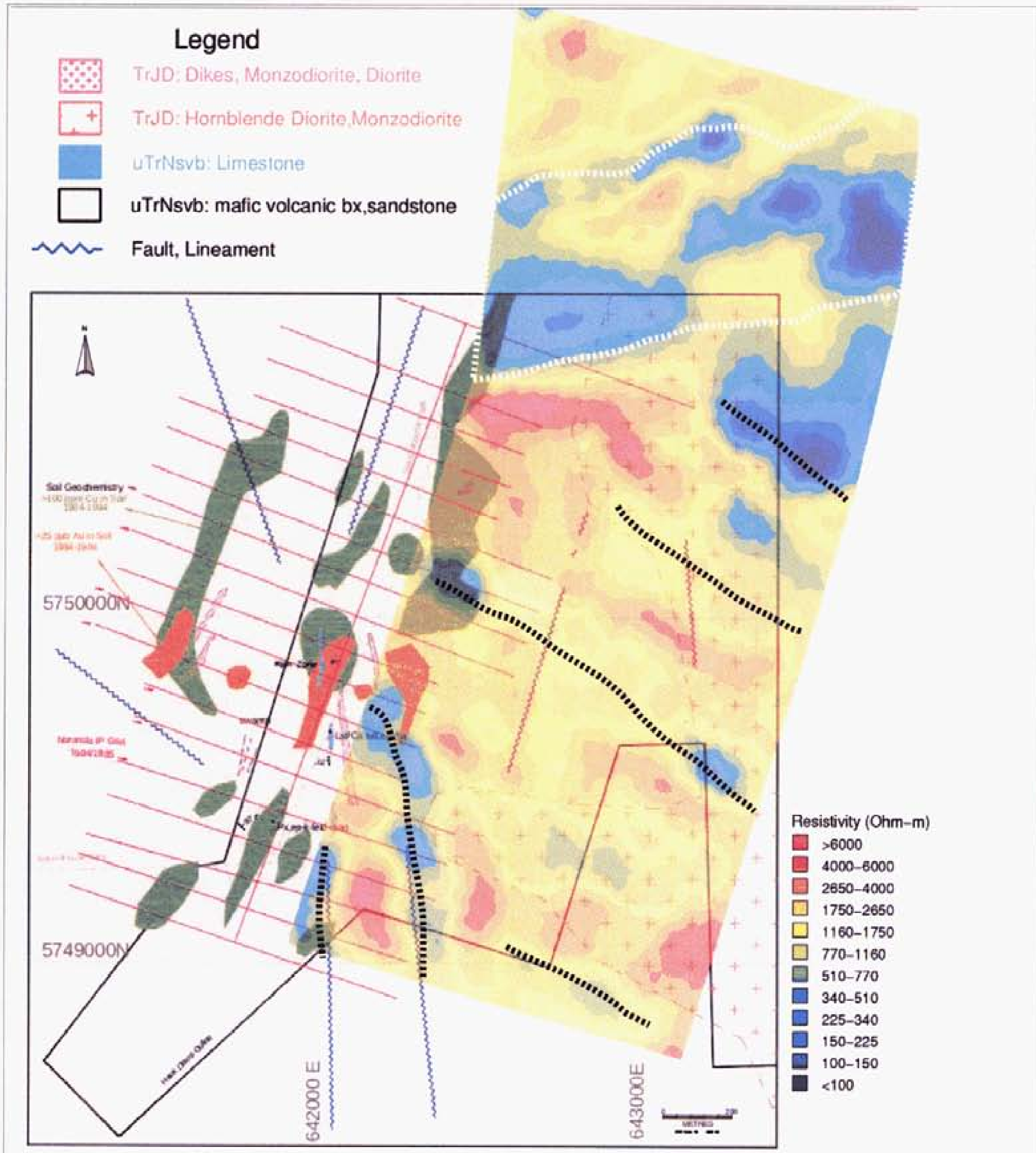


Figure 3: Geology and Soil Geochemistry Draped by Inverted Resistivity Plan Plot at Depth of 50m Below Surface. Bold Dashed Lines in black show the lineaments identified from the IP inversion models. (Compiled from Figure 4, Geology and Soil Geochemistry, on NI43-101 Report on the Hawk Property, Greg Thomson, P.Geo)

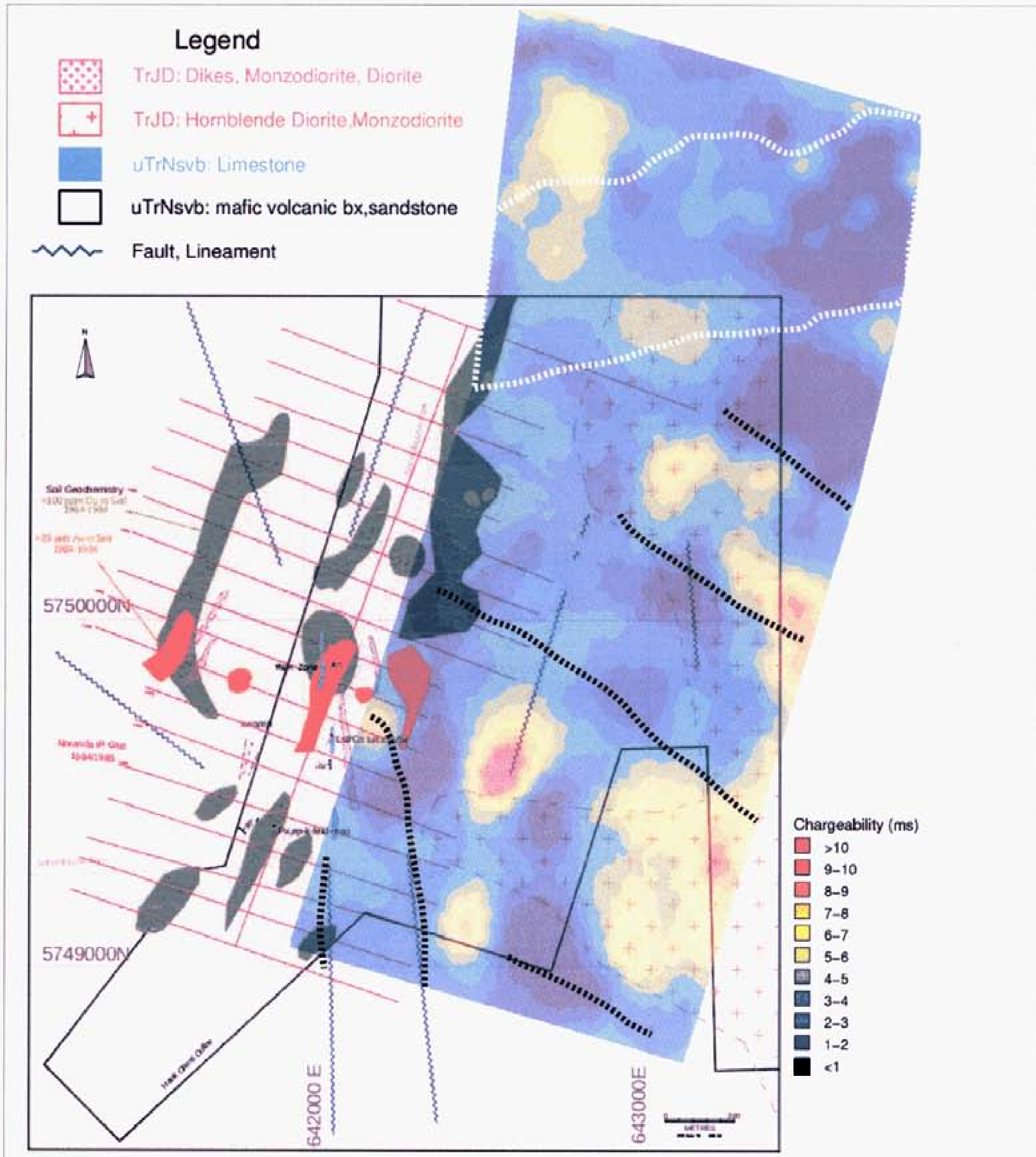


Figure 4: Geology and Soil Geochemistry Draped by Inverted Chargeability Plan Plot at Depth of 50m Below Surface. Bold Dashed Lines in black show the lineaments identified from the IP inversion models. (Compiled from Figure 4, Geology and Soil Geochemistry, on NI43-101 Report on the Hawk Property, Greg Thomson, P.Geo)

There were some noisy chargeability data (poor decay curves) acquired on the first receiver line (Rx 4400N, Tx 4200N and Tx 4600N) such that some data was removed for a cleaner inversion result. As a result there may be some additional edge effects associated with this; however, the results does not show any significant side effect. With low chargeability regions (<3 ms), clean decay curves are difficult to achieve in that the ground conditions are relatively non-chargeable; therefore, you are acquiring data in the noise level.

Figure 4 shows the inverted chargeability plan plot at 50m below topography and overlain by geology and soil geochemistry. The inverted model shows a relatively low background level of chargeability of less than 5ms in the near surface. There is a near surface chargeability response (north trending black hatched region) associated with a fault as described by the geologic map. With depth this fades out. On the 150m below surface plan map, two chargeablility regions are distinguishable, one north of the low resistivity belt and one to the south. In the southern region, two features of higher chargeability responses exist in the complex moderately high resistive zone. These exhibit different characteristics from the chargeability feature in the north.

The northern chargeability feature which plunges to the south (circular black hatched region in Figure 4) is associated with the low resistive belt cutting across the moderate resistive zones. This may suggest that this feature may be related to structure controlled alteration. Some 3D views of the inverted resistivity and chargeability together can be seen in Figure 5.

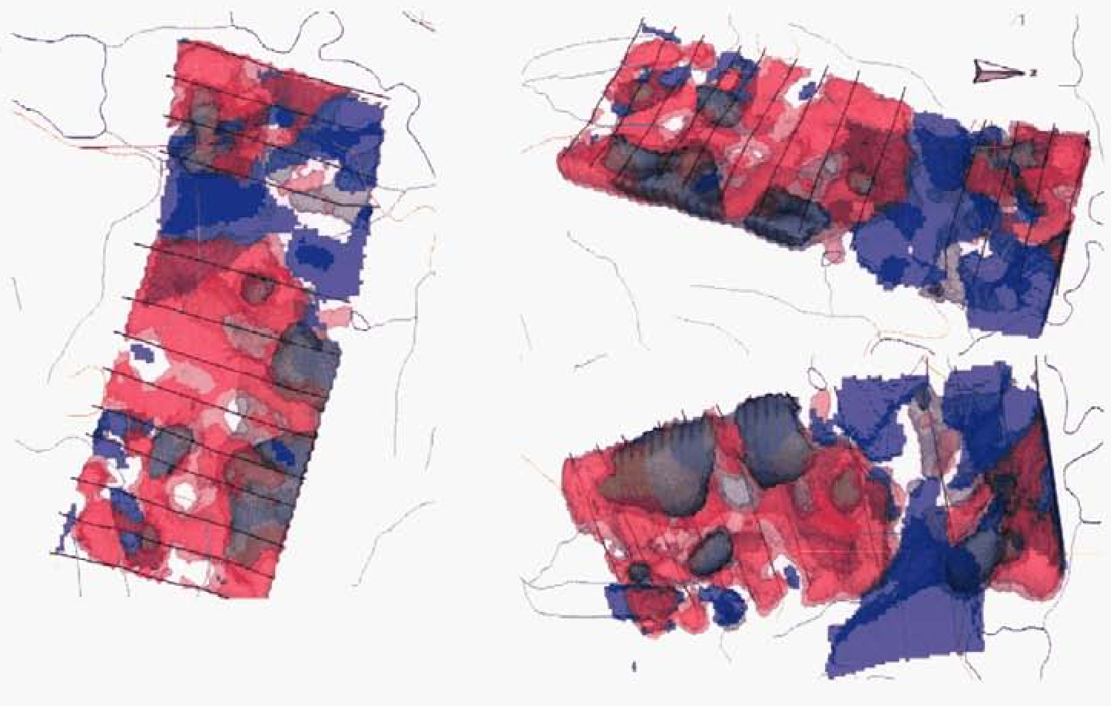


Figure 5: 3D Perspective Plots of Simplified Inversion Models

High resistivity units, with values >1500, 2000Ohm-m. are displayed in light red and red respectively. Low resistivity units, with values <500Ohm.m are shown in blue color; High chargeability features are shown in green, values > 6ms are in dark green, values > 5ms are in light green (turns into dark yellow overlapped with resistive features in red color).

9. Conclusions and Recommendations

The property is located approximately 35.8 kilometres northeast of 100 Mile House and 24 kilometers south of the Boss Mountain Molybdenum mine, in the south Cariboo region, British Columbia, Canada.

Two series of low resistivity lineaments, on set trending north-south and another group trending northwest-southeast were observed from the inversion models in the south central region of the survey area. On north part of the grid, there is a low resistivity belt runs through the grid with a ENE trend.

At depth, a zone of chargeability is situated in the east portion of the grid. Within this zone are two features of raised chargeability response. Both are associated with the moderately resistive zone. From the geological maps, the rock units are mapped as monzodiorite-diorite of the Iron Lake magmatic complex. The distribution of these anomalies does not follow the occurrence the host magmatic complex. It implies that these anomalies are most likely structure controlled, hydrothermal related mineralization.

Two zones of structure related chargeability anomalies are identified. In the south a near surface feature is associated a mapped geological lineament. This fades out with depth. With the northern feature, associated with the low resistive belt appears to be more at depths and plunges to the south.

Magnetic data could be used to help identify faults/alteration zones or intrusions. A detailed compilation of all geological, geochemical and geophysical data sets should be carried out to provide a full interpretation of the property. The drill targets or the area of interest could be outlined by the overlap area with both chargeability anomalies and geochemical anomalies under the geological structural frame work.

Respectfully Submitted,

per S.J.V. Consultants Ltd.

Brian Chen, M.Sc. Geophysics

Appendix 1 – Statement of Qualifications - Brian Chen

I, Brian Chen, of the city of Delta, Province of British Columbia, hereby certify that:

1. I graduated from the University of Science and Technology of China in 1989 with a Bachelor of Science degree in geophysics and from South China Sea Inst. Of Oceanology, CAS in 1992 with a Master of Science degree in Mathematical geology.
2. I have been working in geophysics since 1992.
3. I have no interest in Happy Creek Minerals Ltd. or in any property within the scope of this report, nor do I expect to receive any.

Signed by: ____________________

Brian Chen, M.Sc. Of Geophysics

Date: ____________________

APPENDIX 2 - SURVEYED LINES INFORMATION

Hawk Grid

Line (N)	*Start Station(E)*	*End Station (E)*	*Remote used*	*Surveyed Length*
4200	800	2000	6000N 1000E	1200
4400	800	2000	n/a	1200
4600	800	200	6000N 1000E	1200
4800	800	2000	n/a	1200
5000	800	2000	4100N 1000E,	1200
5200	800	2000	n/a	1200
5400	800	2000	6000N 1000E, 3902N 1250E	1200
5600	800	2000	4504N 1300E	1200
5900	800	2000	n/a	1200
6400	800	2000	5003N 1000E	1200
6600	750	1950	n/a	1200
6800	700	1900	n/a	1200
7000	700	1900	5003N 1000E	1200

Total Linear Metres = 15600 m

Appendix 3 – Instrument Specifications

SJ Full Waveform Digital IP Receiver

Technical:

Input impedance:	10 Mohm
Input overvoltage protection up to 1000V	
External memory:	Unlimited readings
Number of dipoles:	4 to 16 +, expandable.
Synchronization process on primary voltages signals is done by post processing software	
Proprietary intelligent stacking process rejecting strong non-linear SP drifts	
Common mode rejection:	More than 100 dB (for Rs =0)
Self potential (Sp)	: range:-5V to + 5V
	: resolution: 0.1 mV
Ground resistance measurement range:	0.1-100 kohms
Primary voltage	: range: 10μV - 15V
	: resolution: 1μV
	: accuracy: typ. 1.3%
Chargeability	: resolution: 10μV/V
	: accuracy: typ. 0.6%

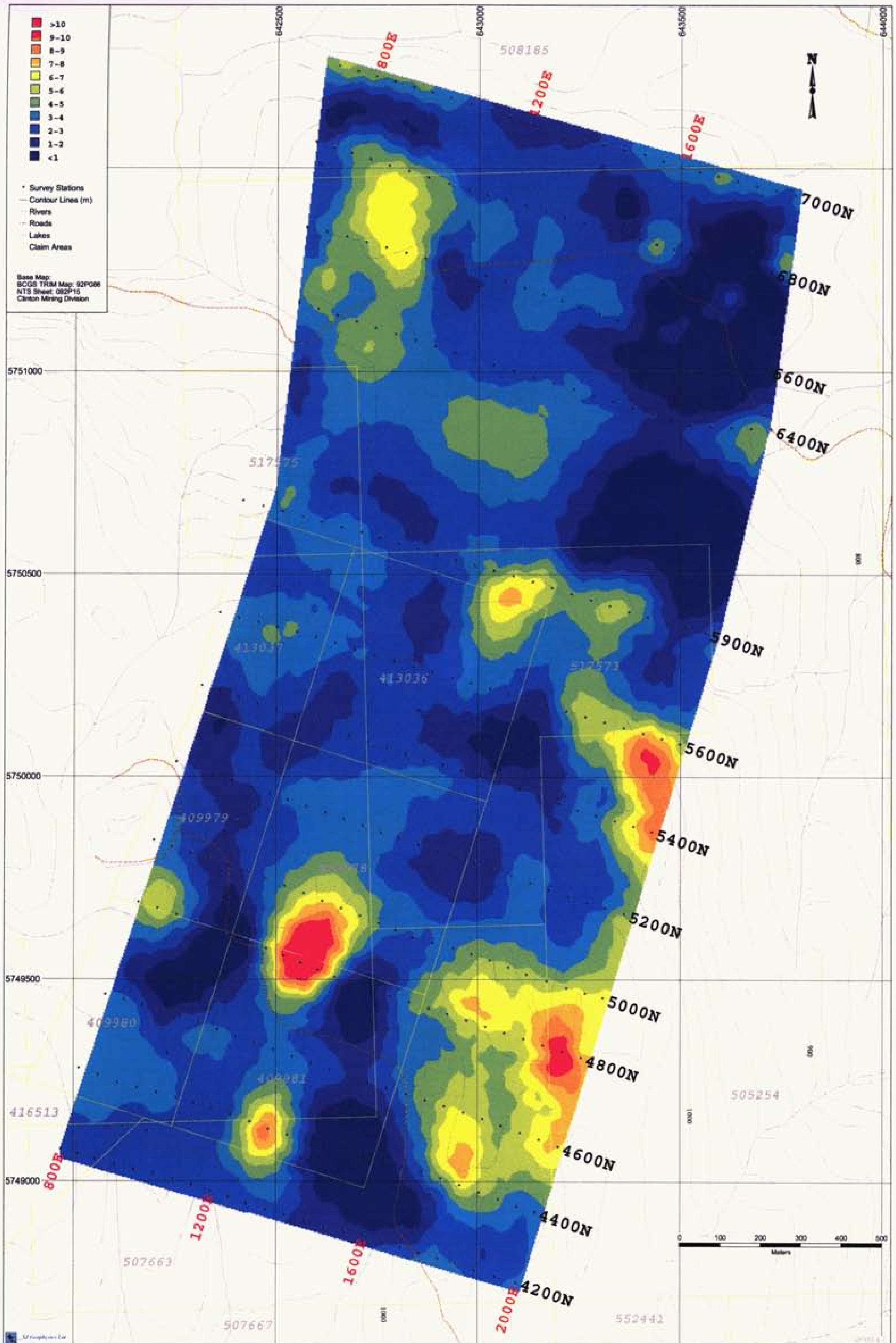
General:

Dimensions:	50x50x25 cm
Weight (with the internal battery):	15 kg
Operating temperature range:	-20°C to 40°C

Walcer Tx9000 IP Transmitter

Input voltage:	120V / 400 Hz, three phase.
Output power:	9.0 kW maximum.
Output voltage:	150 to 3200 Volts
Output current:	30mA to 20A
Time domain:	1,2,4,8 sec ON/OFF cycle.
Operating temp. range:	-40° to +65° C
Display:	Digital LCD read to 0.01A
Dimensions (h w d):	90 x 40 x 20 cm
Weight:	20kg.

APPENDIX 4 – PLAN MAPS AND SECTION MAPS IN PAGE SIZE



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

3D INVERSION MODEL

Interpreted Chargeability (ms)

False Colour Contour Map

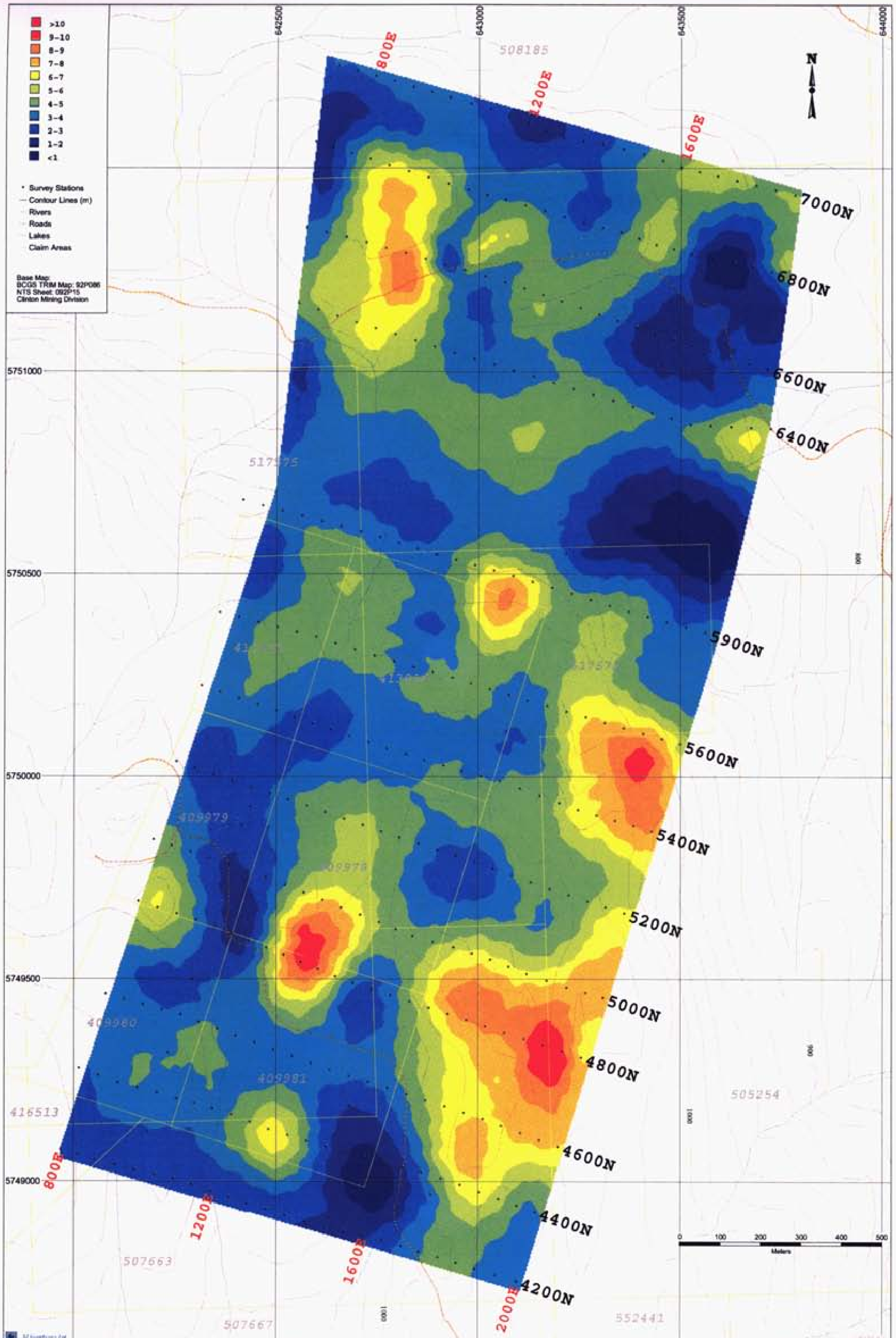
Depth 50m Below Topography

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

Plate C-1



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

3D INVERSION MODEL

Interpreted Chargeability (ms)

False Colour Contour Map

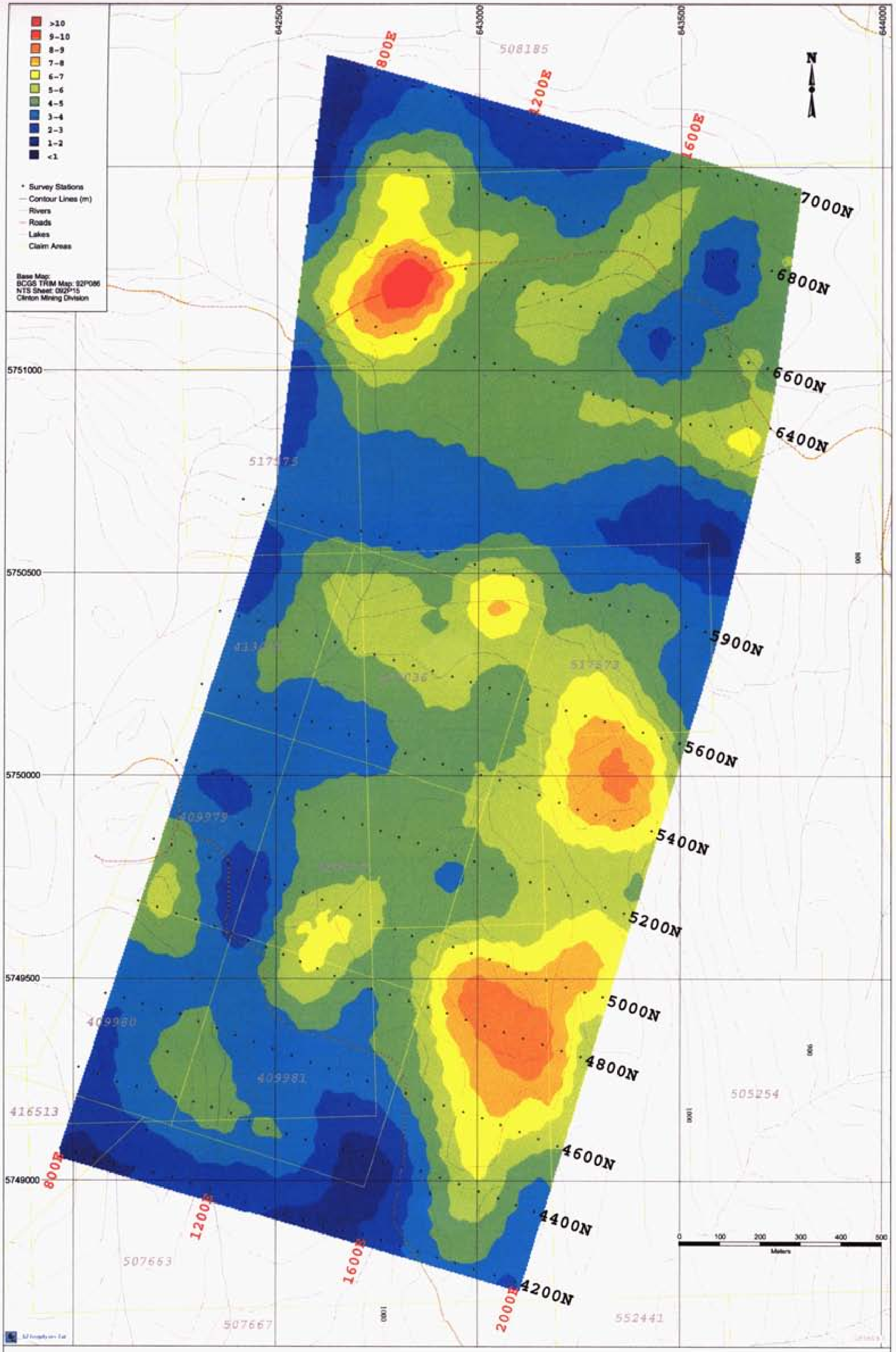
Depth 100m Below Topography

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

Plate C-2



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

3D INVERSION MODEL

Interpreted Chargeability (ms)

False Colour Contour Map

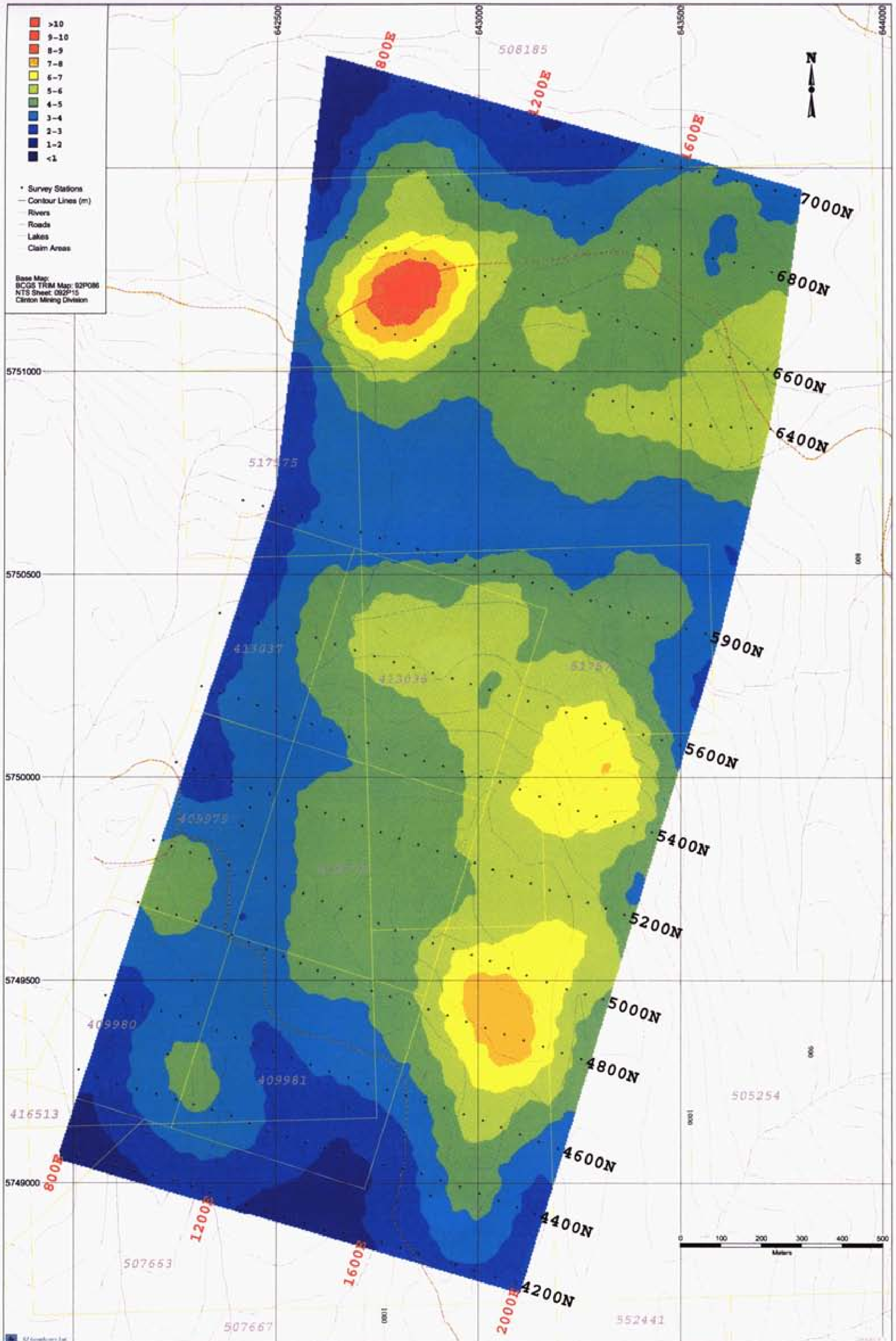
Depth 150m Below Topography

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

Plate C-3



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

3D INVERSION MODEL

Interpreted Chargeability (ms)

False Colour Contour Map

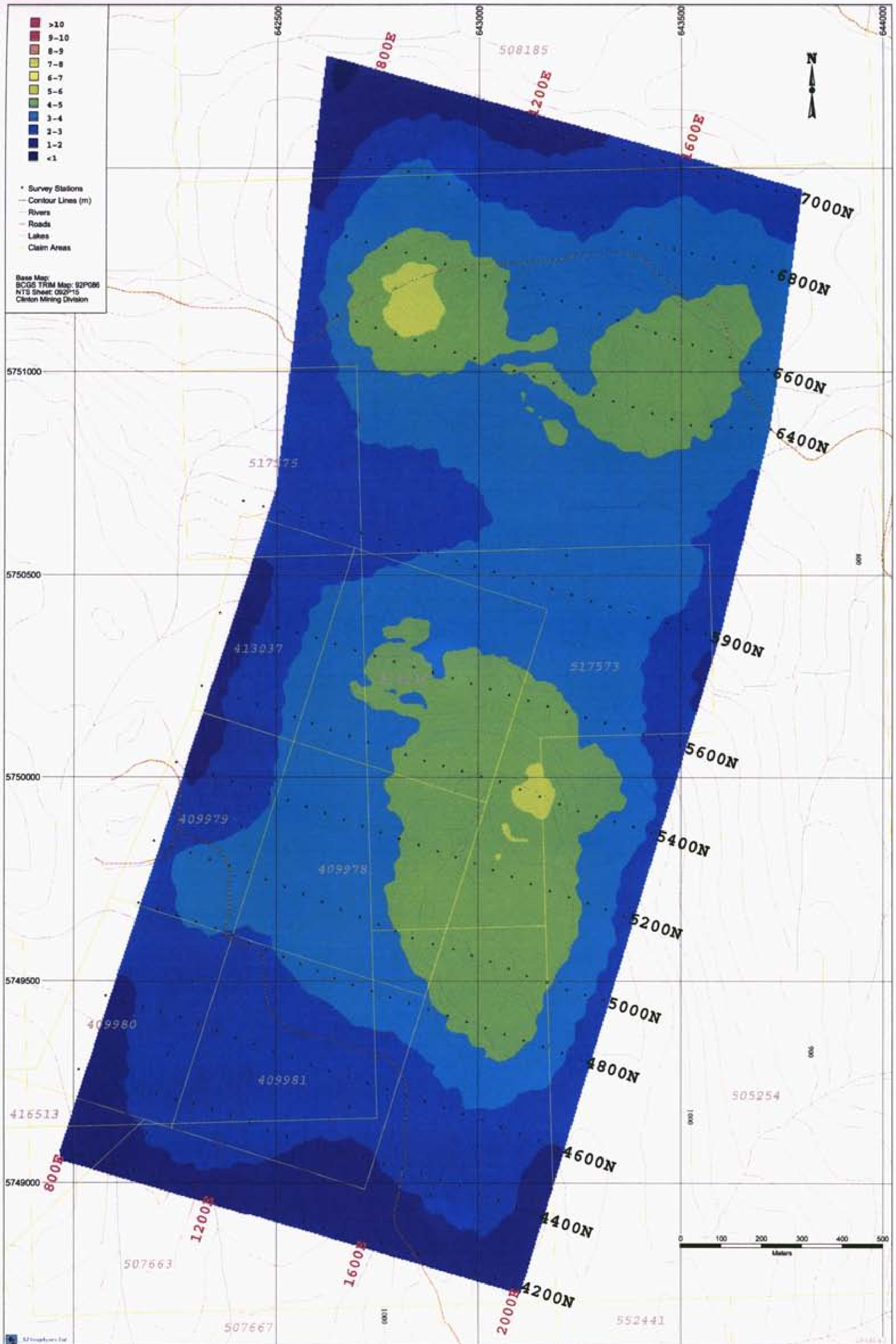
Depth 200m Below Topography

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

Plate C-4



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

3D INVERSION MODEL

Interpreted Chargeability (ms)

False Colour Contour Map

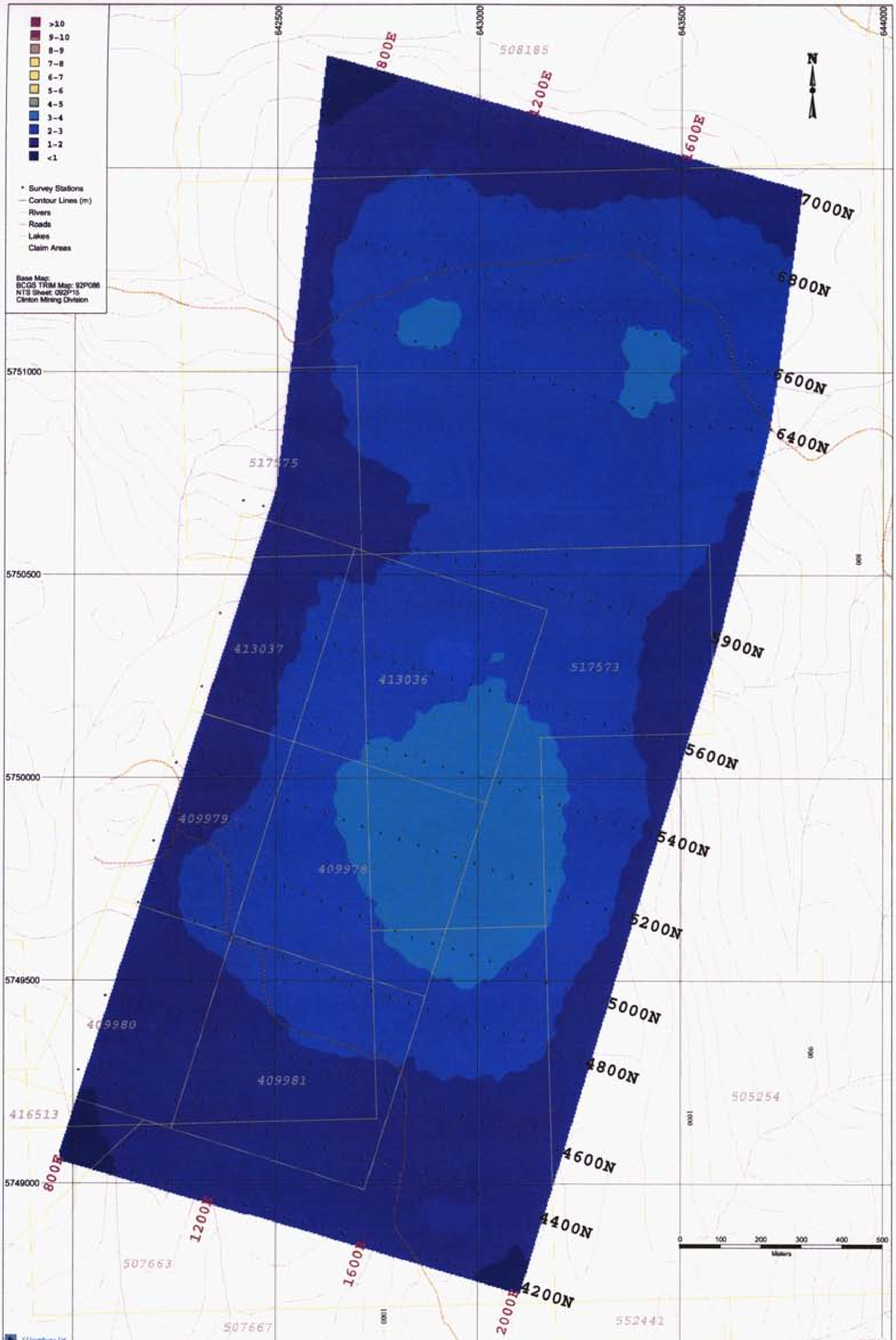
Depth 300m Below Topography

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

Plate C-5



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

3D INVERSION MODEL

Interpreted Chargeability (ms)

False Colour Contour Map

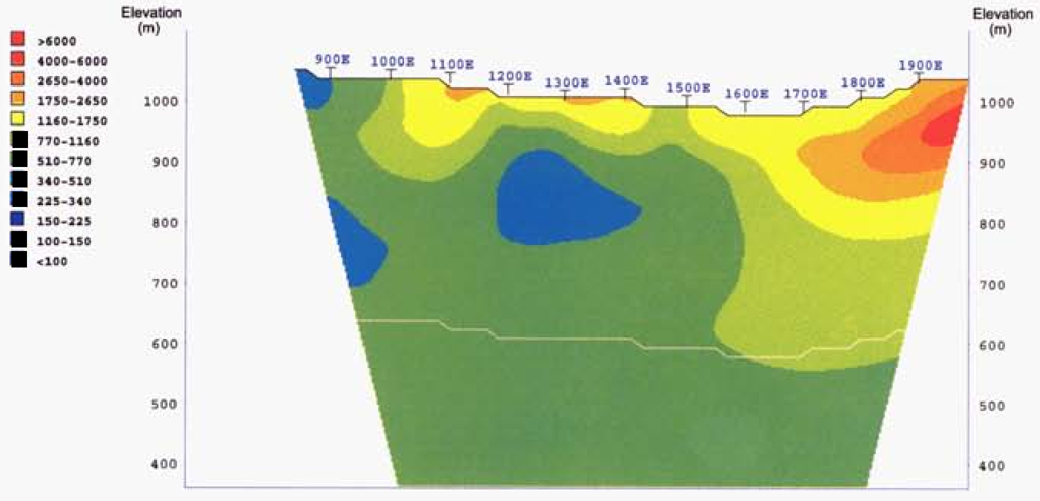
Depth 400m Below Topography

HAPPY CREEK MINERALS LTD.

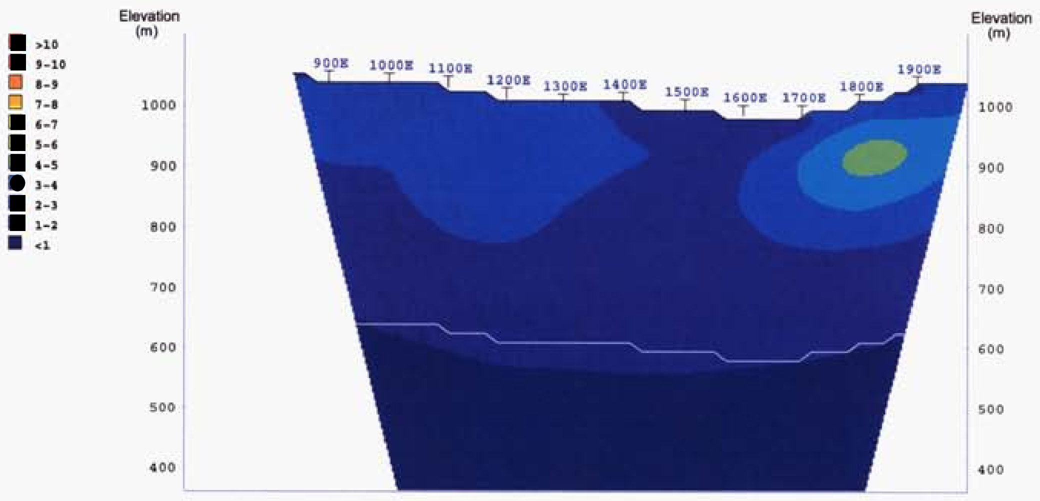
Hawk Property

South Central Cariboo (100 Mile House)

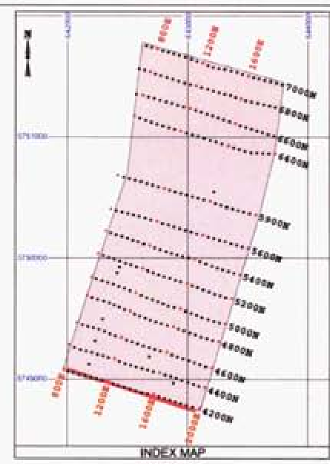
Plate C-6



Interpreted Resistivity (Ohm−m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ−24 Full−Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 − Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

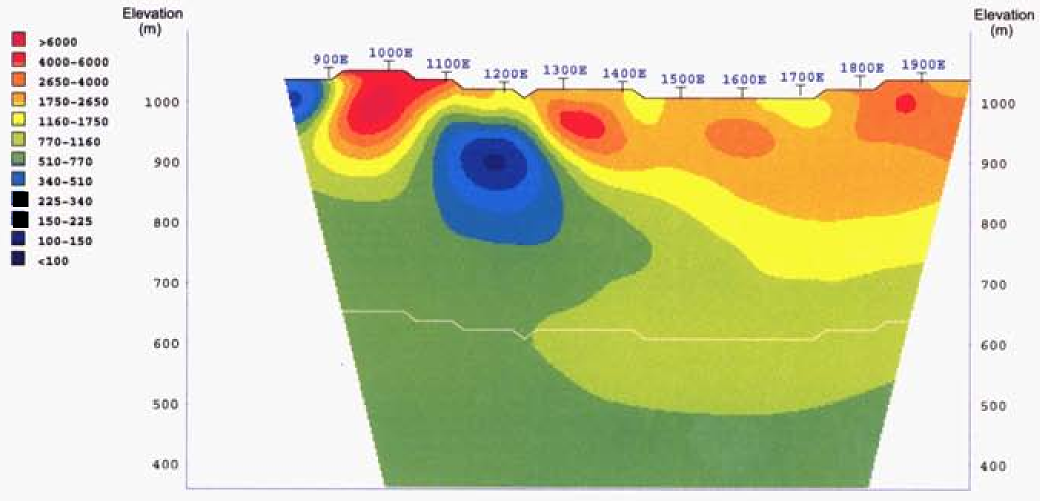
3D IP SURVEY

3D Cross Sections

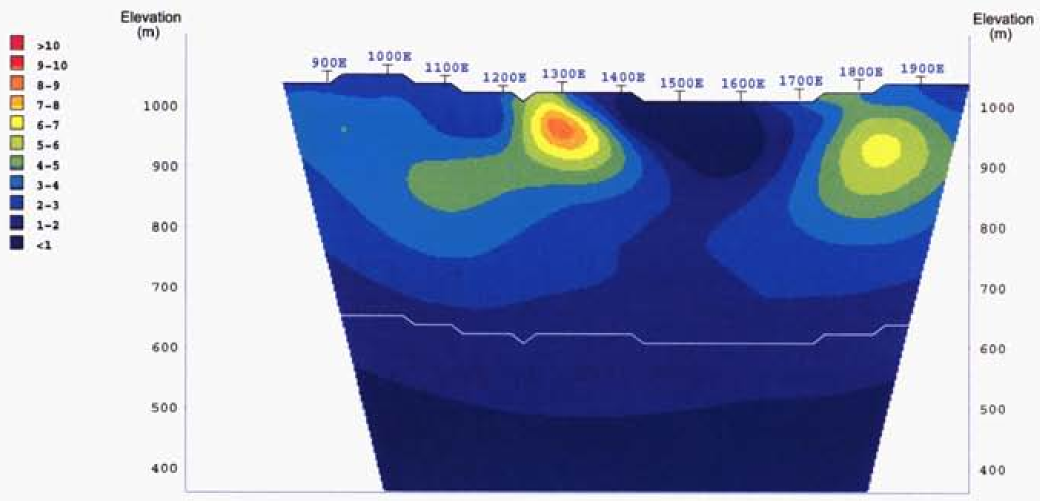
False Color Contour Map

Section 4200N

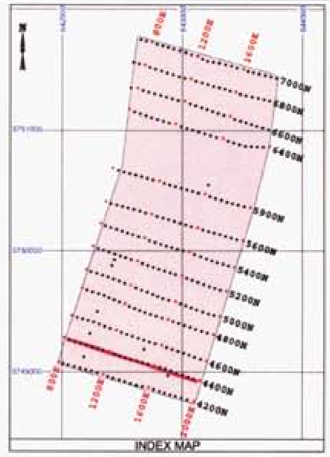
SJ Geophysics Ltd.



Interpreted Resistivity (Ohm−m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12   a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 − Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

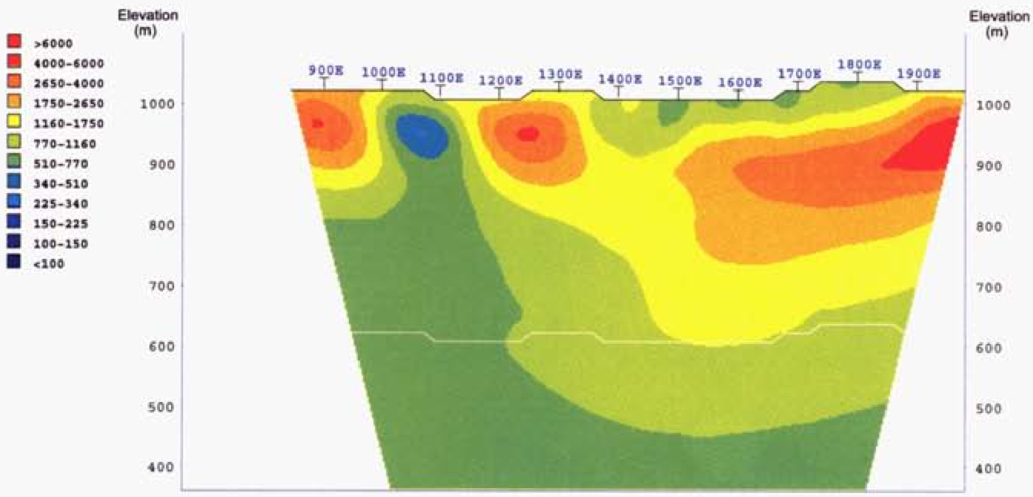
South Central Cariboo (100 Mile House)

3D IP SURVEY

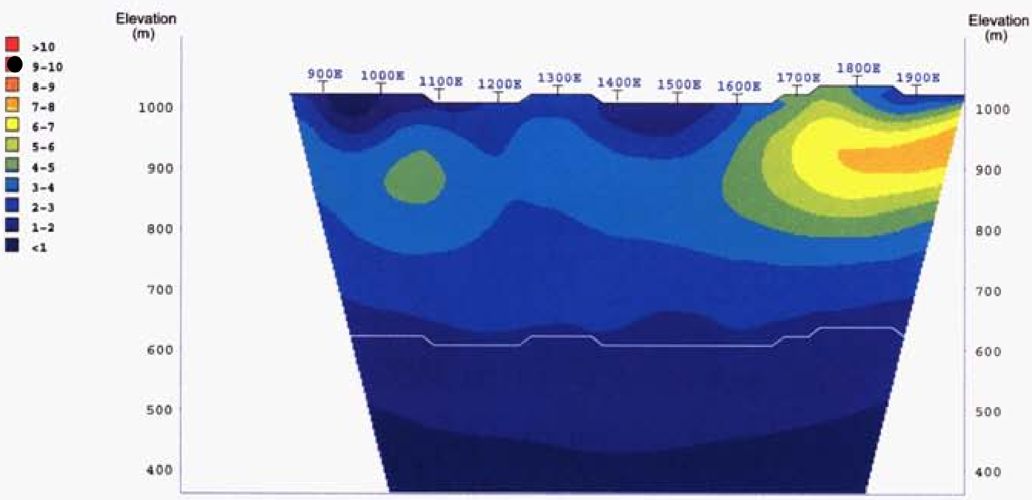
3D Cross Sections

False Color Contour Map

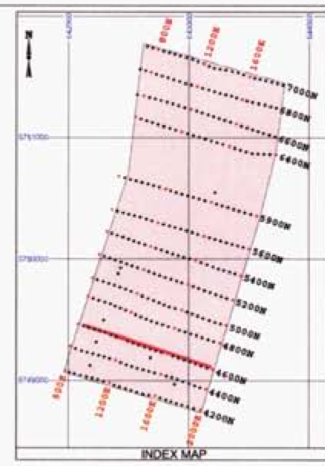
Section 4400N



Interpreted Resistivity (Ohm−m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

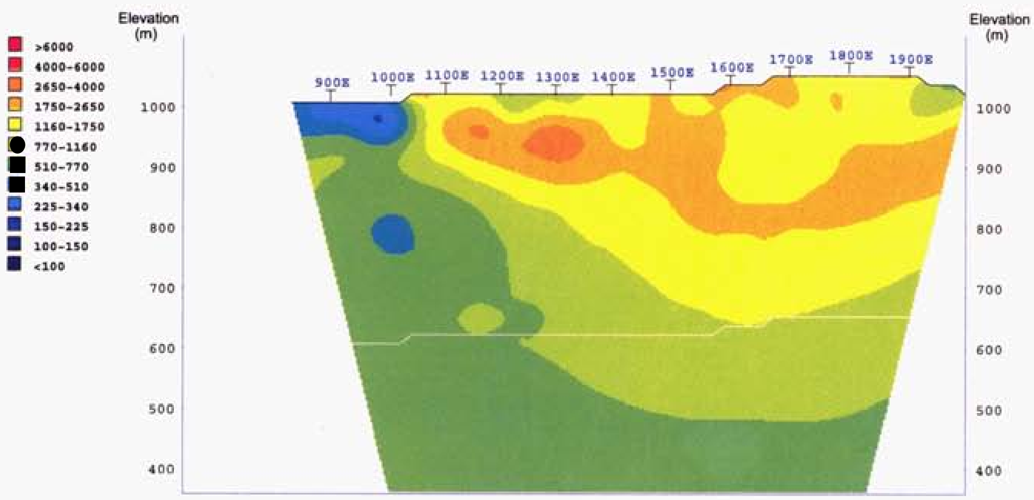
Projection: UTM WGS84 − Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

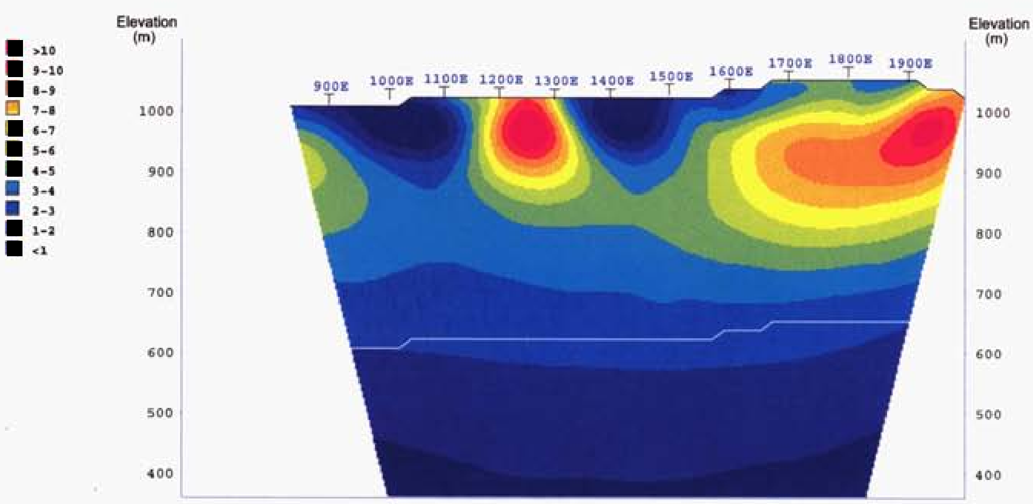
HAPPY CREEK MINERALS LTD.
Hawk Property
South Central Cariboo (100 Mile House)

3D IP SURVEY
3D Cross Sections
False Color Contour Map

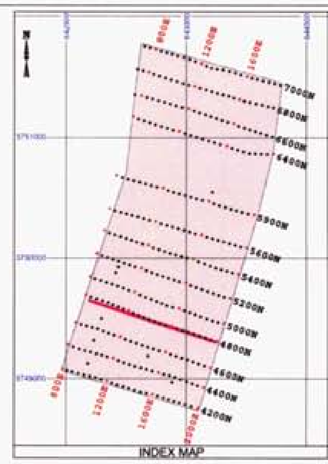
Section 4600N



Interpreted Resistivity (Ohm-m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

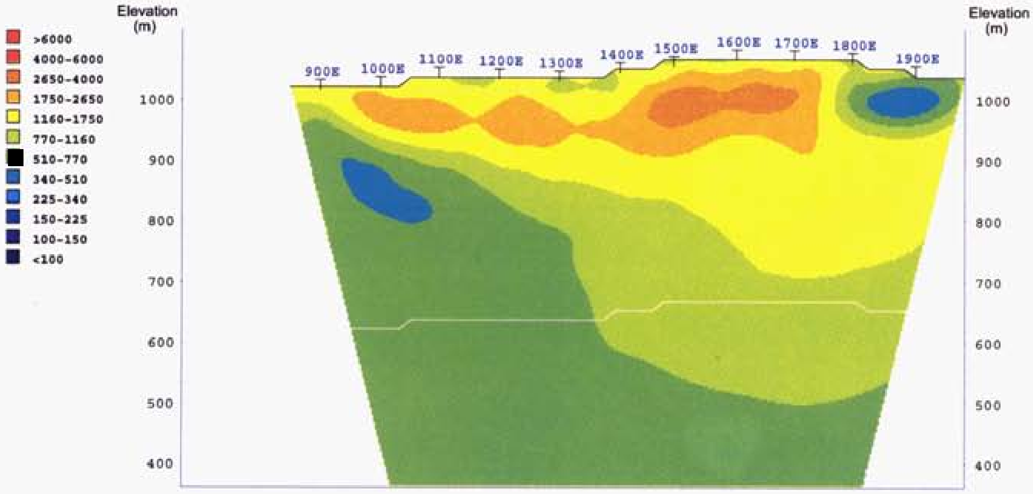
3D IP SURVEY

3D Cross Sections

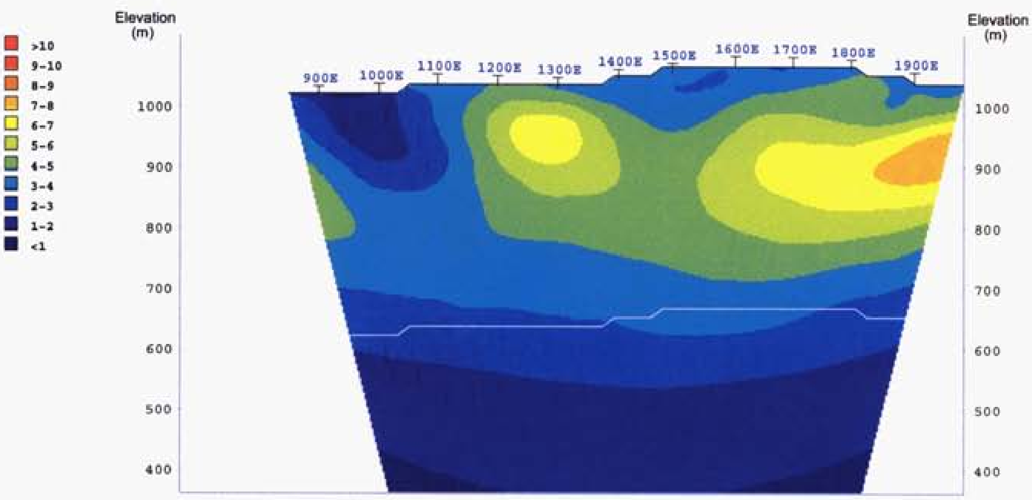
False Color Contour Map

Section 4800N

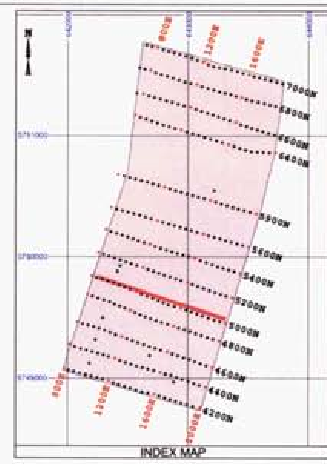
SJ Geophysics Ltd.



Interpreted Resistivity (Ohm-m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 – Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

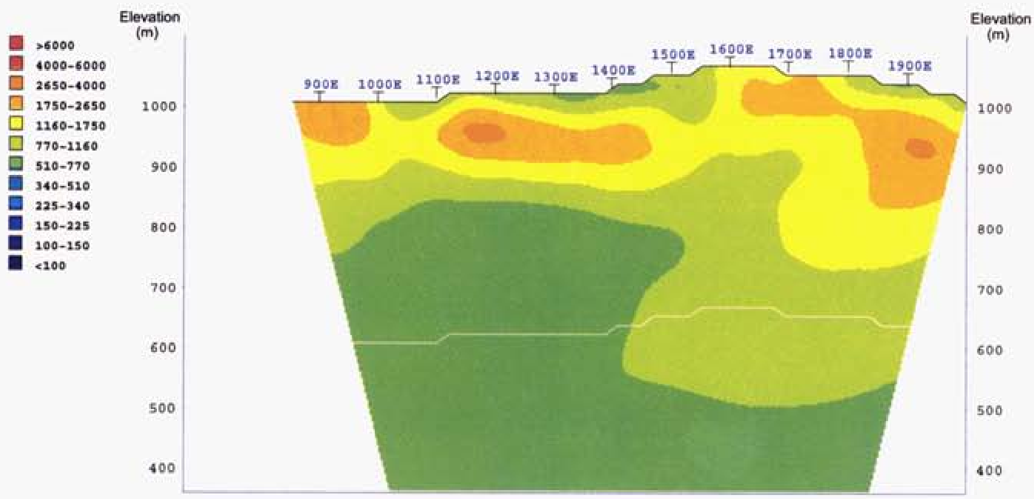
3D IP SURVEY

3D Cross Sections

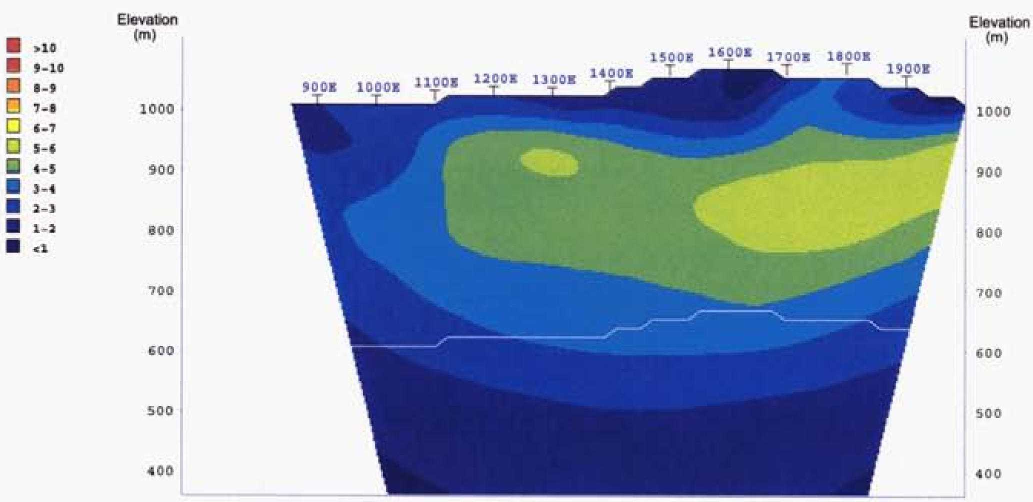
False Color Contour Map

Section 5000N

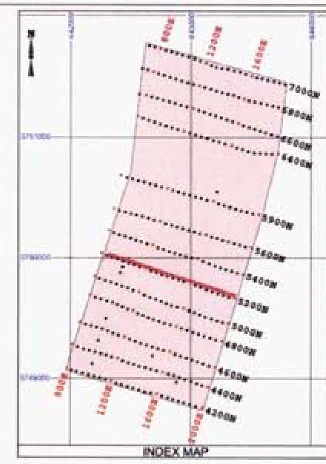
SJ Geophysics Ltd.



Interpreted Resistivity (Ohm−m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 – Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

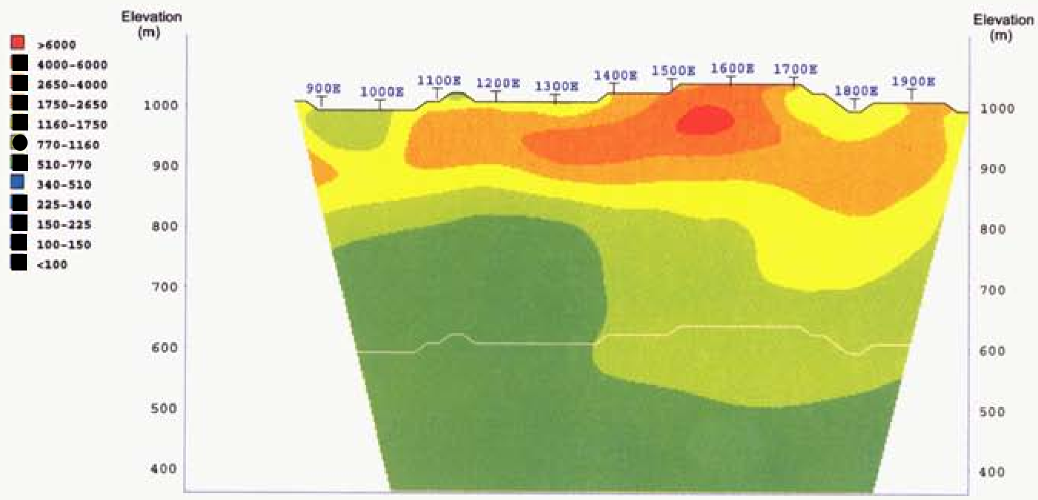
3D IP SURVEY

3D Cross Sections

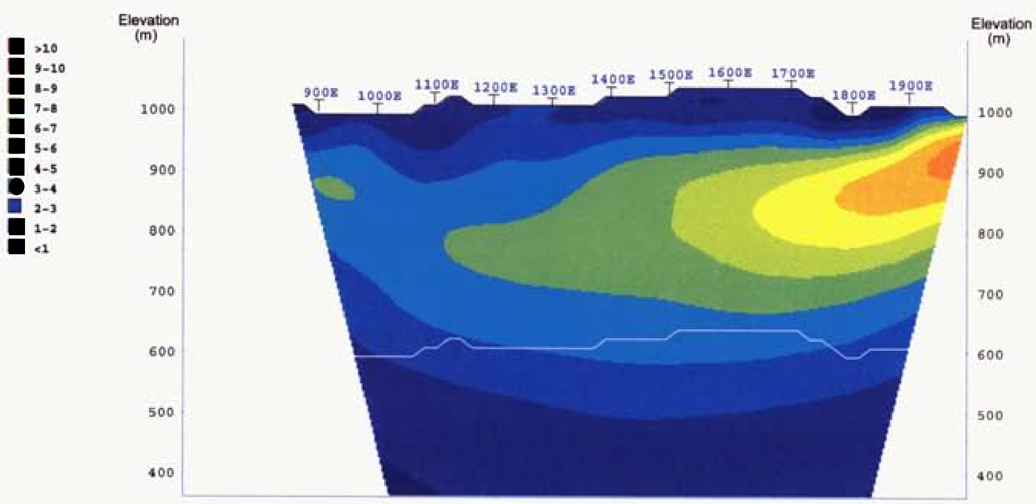
False Color Contour Map

Section 5200N

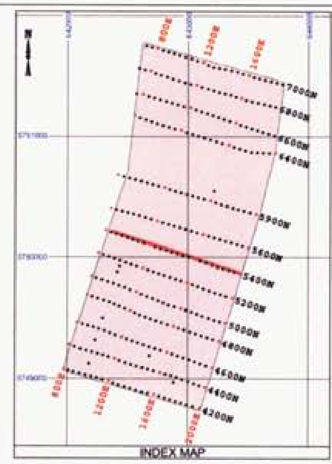
SJ Geophysics Ltd.



Interpreted Resistivity (Ohm-m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

HAPPY CREEK MINERALS LTD.

Hawk Property

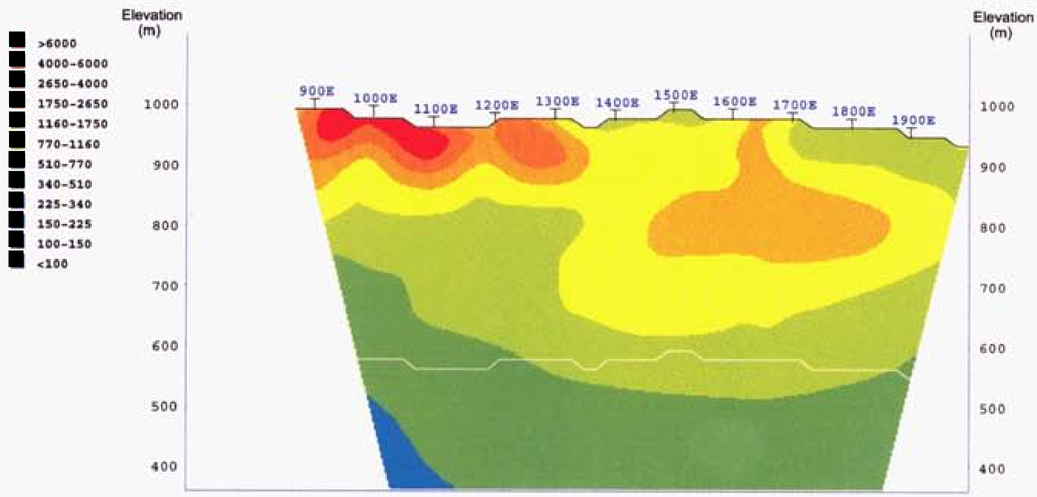
South Central Cariboo (100 Mile House)

3D IP SURVEY

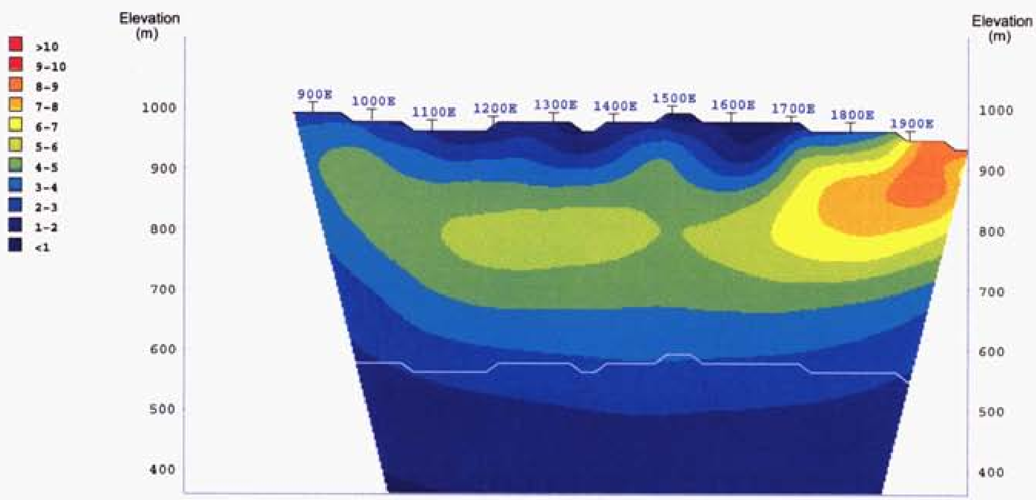
3D Cross Sections

False Color Contour Map

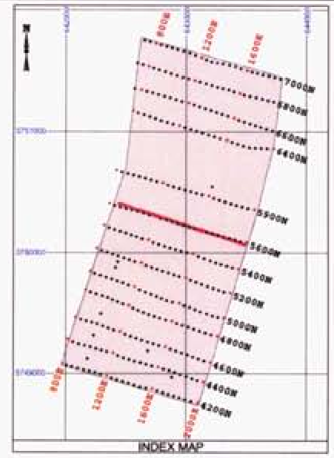
Section 5400N



Interpreted Resistivity (Ohm−m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 – Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

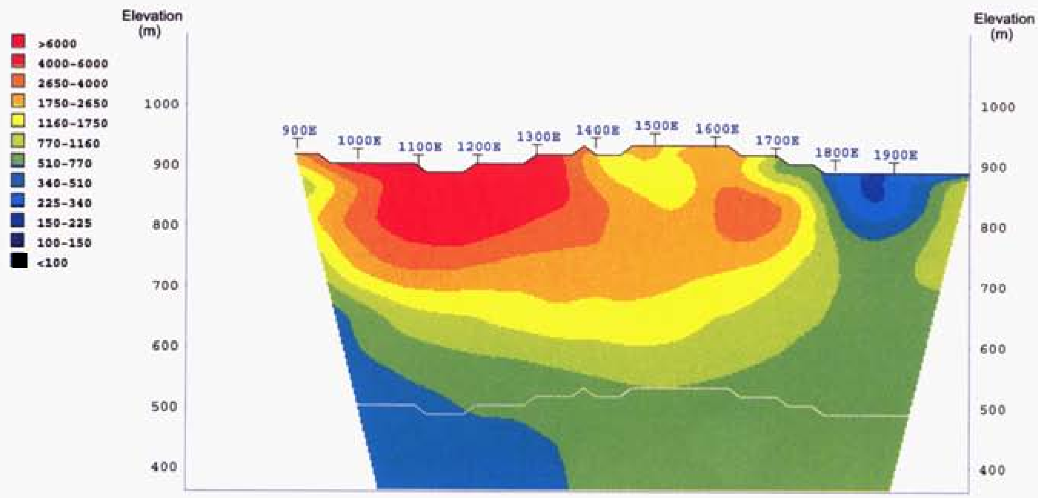
0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.
Hawk Property
South Central Cariboo (100 Mile House)

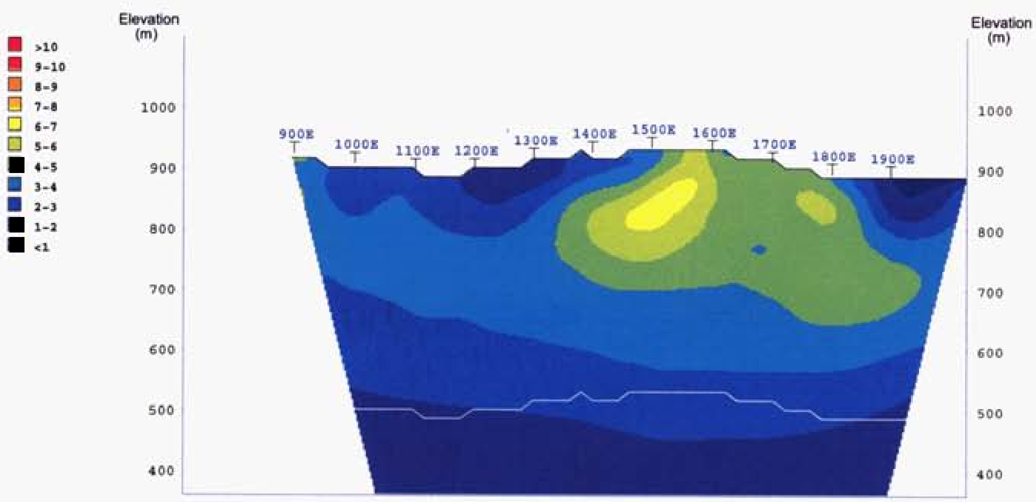
3D IP SURVEY
3D Cross Sections
False Color Contour Map

Section 5600N

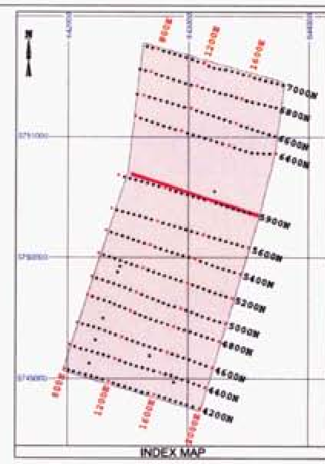
SJ Geophysics Ltd



Interpreted Resistivity (Ohm-m)



Interpreted Chargeability (ms)



INDEX MAP

Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

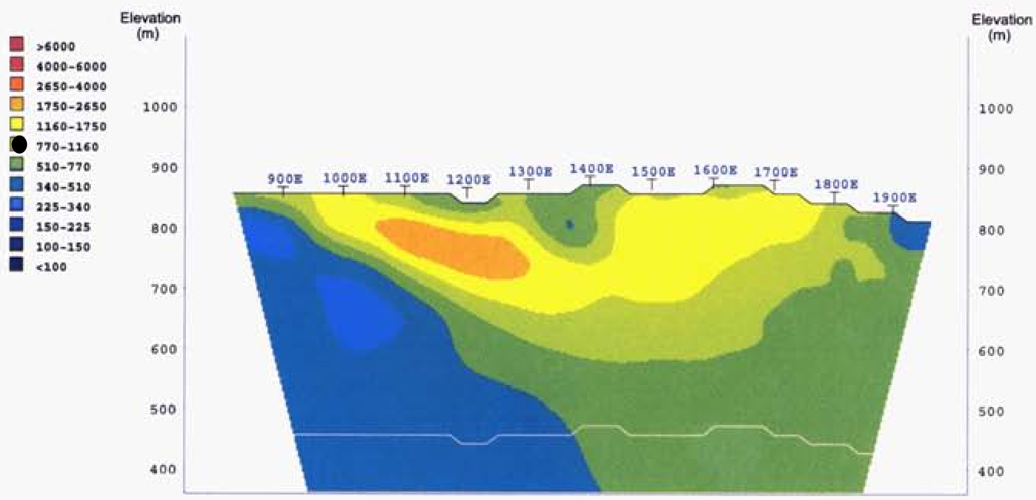
3D IP SURVEY

3D Cross Sections

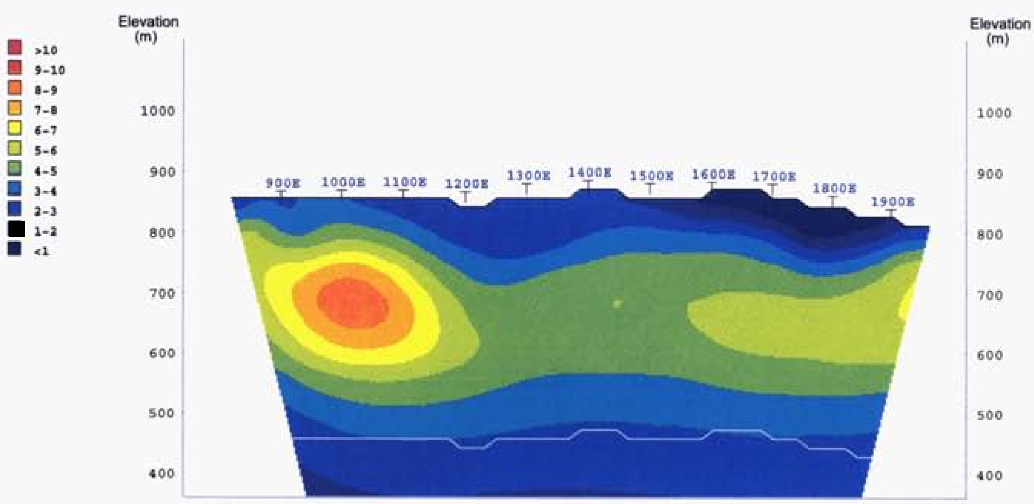
False Color Contour Map

Section 5900N

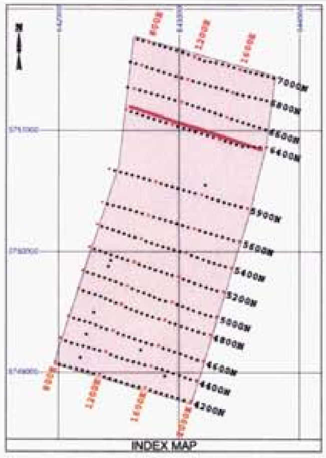
SJ Geophysics Ltd.



Interpreted Resistivity (Ohm-m)



Interpreted Chargeability (ms)



INDEX MAP

Survey Information

3D IP Array : N=12   a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

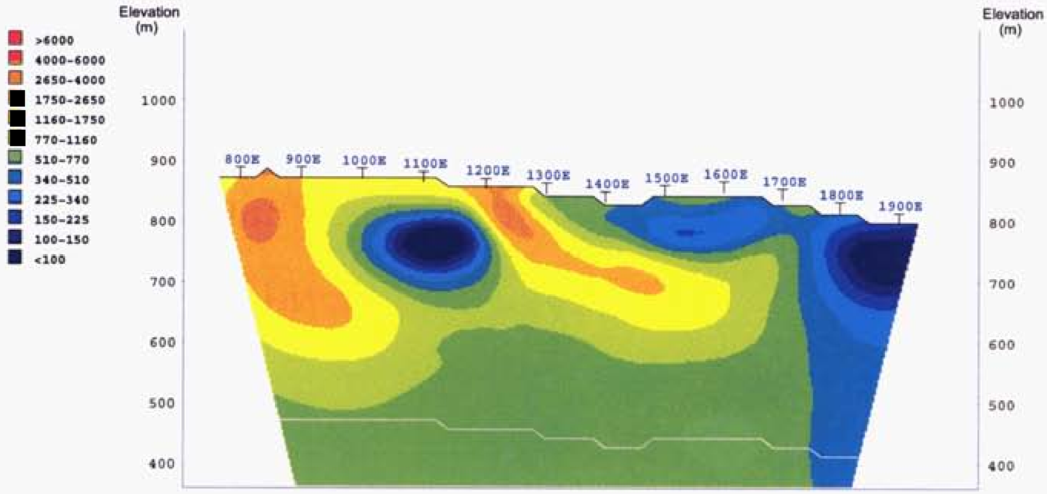
3D IP SURVEY

3D Cross Sections

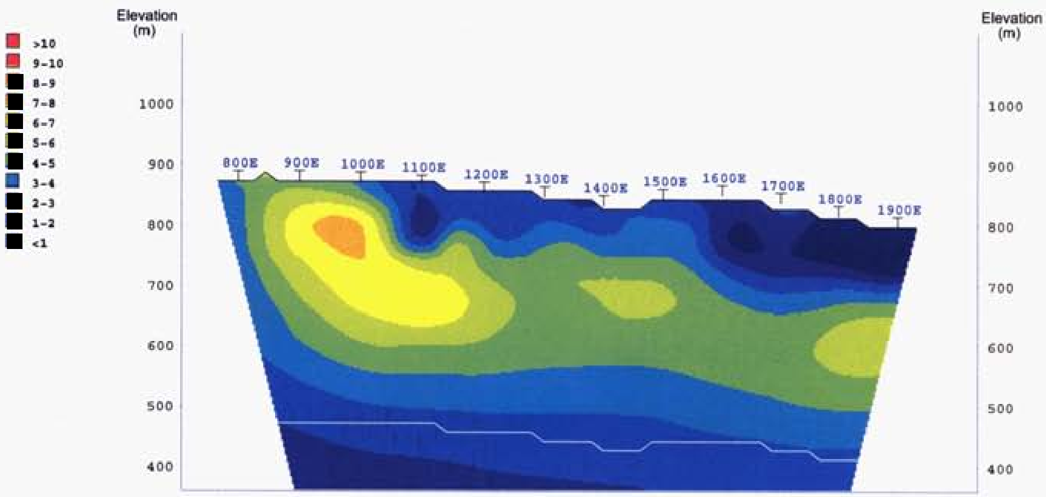
False Color Contour Map

Section 6400N

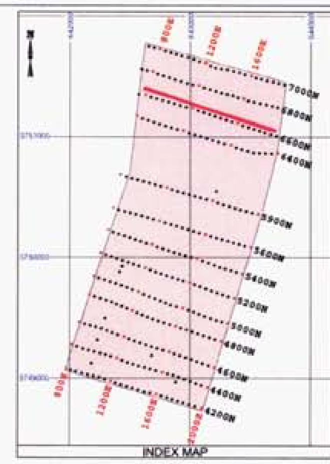
SJ Geophysics Ltd.



Interpreted Resistivity (Ohm-m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 - Zone 10

Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

HAPPY CREEK MINERALS LTD.

Hawk Property

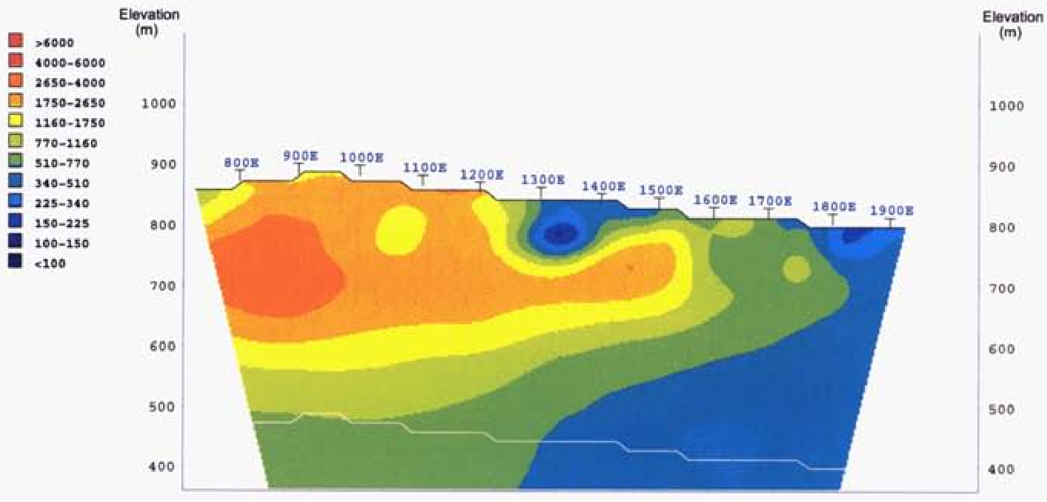
South Central Cariboo (100 Mile House)

3D IP SURVEY

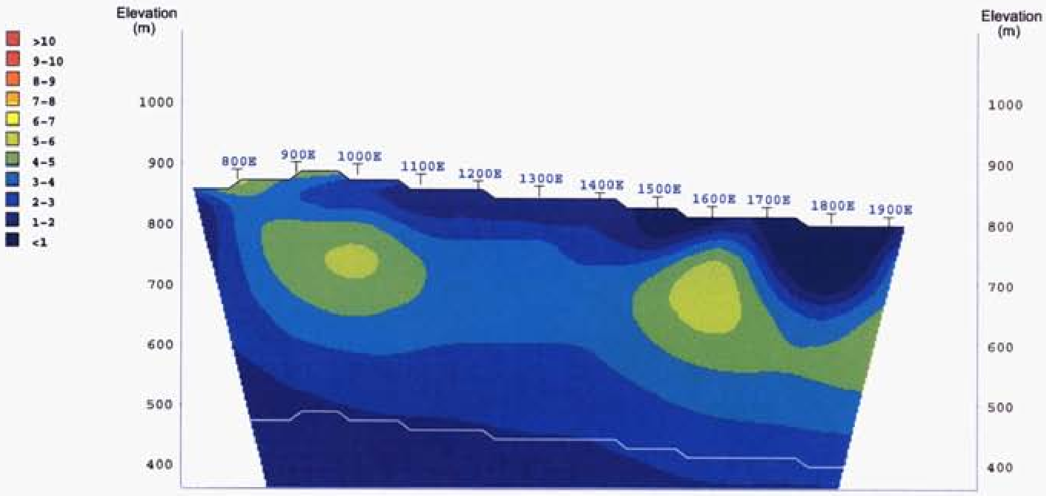
3D Cross Sections

False Color Contour Map

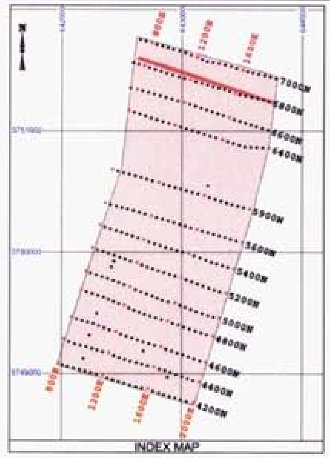
Section 6600N



Interpreted Resistivity (Ohm−m)



Interpreted Chargeability (ms)



Survey Information

3D IP Array : N=12 a=100m

INSTRUMENTATION
RECEIVER: SJ-24 Full-Waveform Digital IP Receiver
TRANSMITTER: Walcer Tx9000 IP Transmitter

Survey by: SJ Geophysics Ltd.
3D Inversion by: S.J.V. Consultants Ltd.
Survey Date: June, 2007
Mapping Date: September, 2007

Projection: UTM WGS84 − Zone 10

Legend
White Line: Estimated Depth of Investigation
"T" Gridline Coordinate Projected to Section

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

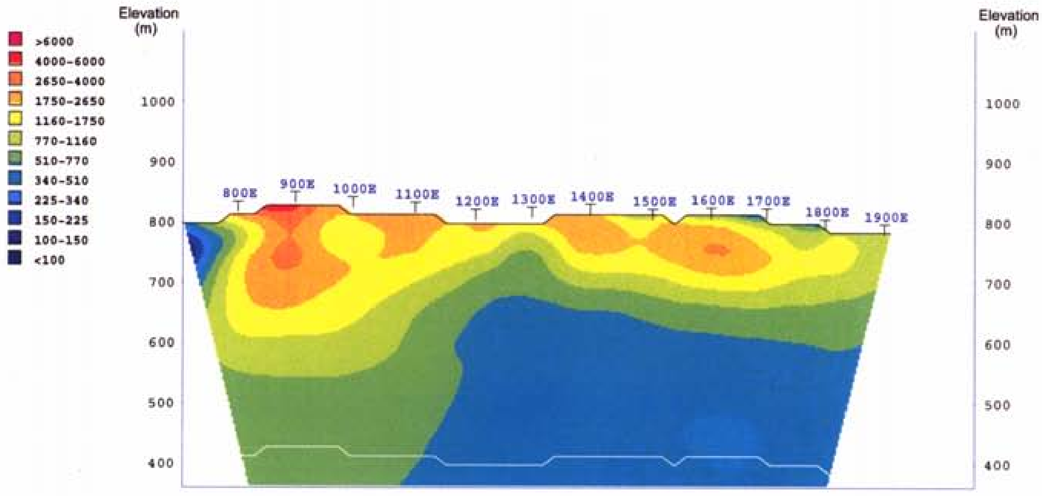
3D IP SURVEY

3D Cross Sections

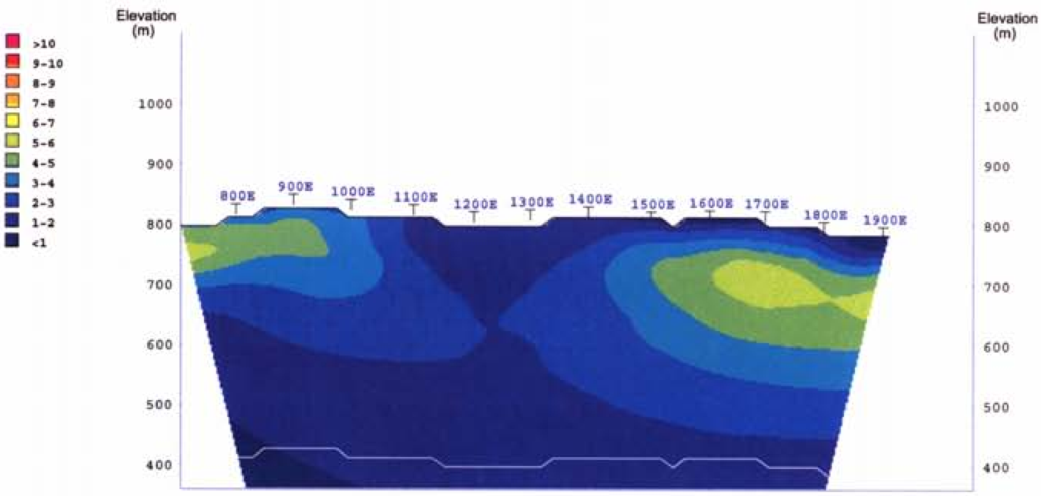
False Color Contour Map

Section 6800N

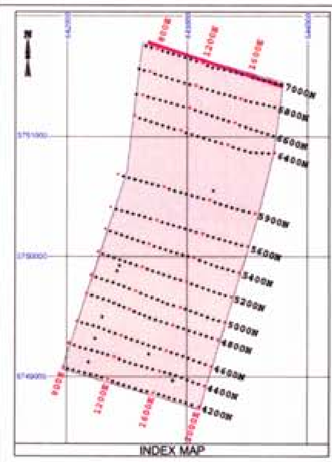
SJ Geophysics Ltd.



Interpreted Resistivity (Ohm−m)



Interpreted Chargeability (ms)



Survey Information

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Legend
White Line: Estimated Depth of Investigation
Gridline Coordinate Projected to Section

0 100 200 300 400 500
Meters

HAPPY CREEK MINERALS LTD.

Hawk Property

South Central Cariboo (100 Mile House)

3D IP SURVEY

3D Cross Sections

False Color Contour Map

Section 7000N

SJ Geophysics Ltd.

Appendix 3

Diamond Drill Hole Log 07H-03

Diamond Drill Hole Log

Location: 642089E 5749449 N, 1037 m Elev, Az 275°, Dip -47°, Length 103.02 m

Logged by: David Blann Date: November 13, 2007

From (m)	To (m)	Interval	<TCA (N down)	Description	Lith	Mineralization			Alteration: 1-5									Veining (%)		Fracture
						Py	Cp	Bo	Bi	Mag	Px	K-Feld	Ser	Clay	Chl	Ep	Ca	Qz	Ca	0-5
0.00	4.57	4.57		Casing: rusty weathering subcrop, strongly fractured, broken core. Pale green, brown fine grained porphyritic andesite volcanic tuff.		2.0	0.0	0.00	1	2	0	0	3	2	3	3	2	1	2	2
4.57	14.84	10.27	25	Pale green, fine grained, heterolithic volcanic breccia. Masive, irregular bands or variable composition, and clasts of 1-3cm up to 4 cm, angular. Trace py in bleached zones with chlorite, epidote, sericite, calcite in matrix and fracture fillings. bleached zones matrix has strong carbonate	hVbx	0.1	0.0	0.00	0	0	0	0	3	1	3	3	3	1	5	3
14.84	18.90	4.06	45	Pale to dark green, fine grained heterolithic volcanic breccia and tuff. Volcanic clasts vary from magnetite-rich to sulphide rich. Epidote, orange garnet,chlorite-carbonate rich crackle breccia with py clots, blebs and fin dissemination.	hVbx	1.5	0.0	0.00	1	2	1	0	2	1	3	3	3	5	3	3
18.90	21.30	2.40	45	Dark grey, fine grained, massive feldspar porphyry diorite dike. Moderate chlorite after mafics. Disseminated pyrite.	FpD	3.0	0.0	0.00	0	1	0	0	2	1	2	2	1	0	0	1
21.30	26.57	5.27	5	Pale green, uniform fine grained, Andesite. Massive, minor irregular bands or variable composition. Clasts well altered to epidote-chlorite. Trace py in bleached zones with chlorite, epidote, sericite, calcite in matrix and fracture fillings.	A	1.0	0.0	0.00	0	1	0	1	3	2	3	4	2	1	5	2
26.57	76.42	49.85	20	Pale green, fine grained, Andesite heterolithic Volcanic Breccia and Sediments. Masive, irregular bands or variable composition including volcanic sediments and clasts of 1-3cm up to 30 cm, angular, and chaotic in distribution. Trace to 5% py in bleached zones with chlorite, epidote, sericite, calcite in matrix and fracture fillings. Core is moderately broken along chlorite-quartz-carbonate filled fractures, locally to crackle breccia in intensity. 15-75 Degrees To Core Angle (DTCA). weak pink calcite and k-feldspar locally. tr cp. vuggy to massive, quartz vein breccia with calcite @ 36.35-36.60 30 DTCA, Fluid breccia with py matrix 38.6-38.8,42.21-42.32,45.76-46.0,48.85-49.0,49.3-50.0,52.89-52.0,52.54-52.7,58.0-58.15, Quartz vein breccia 58.5-58.7 40 DTCA,sulphide crackle breccia with quartz breccia 69.9-69.93 50 DTCA. 65.37-68.0 strongly broken core with pale green-cream colored volcanic sediments, bleached quartz-carbonate crackle breccia and veins 20-70 DTCA. 72.0-76.42 massive volcanic flow/tuff 74.54-74.75 calcite chlorite vein and	A hVbx/S	2.0	0.1	0.05	1	2	0	1	3	2	3	3	3	2	3	3
76.42	79.00	2.58	45	Pale to dark grey, fine grained, feldspar porphyry diorite. Massive, unifor texture, matrix moderately chlorite altered. Disseminated pyrite	FpD	4.0	0.1	0.00	1	1	0	0	2	2	3	2	2	1	1	1
79.00	87.00	8.00	45	Pale green, fine grained Andesite heterolithic Volcanic Breccia.Moderately to strongly broken core, fractures filled by chlorite, sericite, calcite, clay, hematite, pyrite, tr cp. White quartz-carbonate veins @ 81.3-81.43, 86.25- 86.30 25-45 DTCA.	hVbx/S	2.0	0.1	0.00	1	2	0	1	3	3	4	2	3	1	5	4
87.00	92.00	5.00	10	Dark black, fine grained amygdaloidal basalt dike. Fresh, massive solid	Basalt	0.0	0.0	0.00	0	0	0	0	0	0	0	0	1	0	2	1
92.00	103.20	11.20	20	Grey fault zone. Intense clay altered heterolith volcanic breccia with py.	Fault	2.0	0.1	0.00	0	0	0	0	4	5	4	1	3	0	3	5
103.20	EOH																			

Location: 642089E 5749449 N, 1037 m Elev, Az 275°, Dip -47°, Length 103.02 m

Logged by: David Blann Date: November 21, 2007

From (m)	To (m)	Width (m)	Sample #	Mo	Cu	Ag	Au	Ca	Ba	K
				ppm	ppm	ppm	ppb	%	ppm	%
2.44	4.57	2.13	779851	0.7	21.5	<0.1	<0.5	15.57	31	0.19
4.57	8.00	3.43	779852	0.5	10.2	<0.1	0.6	12.25	25	<0.01
8.00	11.00	3.00	779853	0.3	9.9	0.2	<0.5	11.45	55	<0.01
11.00	14.00	3.00	779854	0.3	28.2	<0.1	2.0	11.34	24	<0.01
14.00	17.00	3.00	779855	0.1	306.0	<0.1	3.6	5.07	15	0.09
17.00	18.90	1.90	779856	1.1	262.7	<0.1	2.8	2.61	24	0.13
18.90	21.30	2.40	779857	0.2	96.2	<0.1	4.0	4.43	124	0.12
21.30	24.00	2.70	779858	<0.1	15.9	<0.1	2.0	12.77	165	0.02
24.00	27.00	3.00	779859	<0.1	12.7	<0.1	1.1	6.36	944	0.03
27.00	30.00	3.00	779860	0.1	100.9	<0.1	15.9	3.4	289	0.10
30.00	33.00	3.00	779861	0.6	138.7	<0.1	2.0	2.37	16	0.09
33.00	36.00	3.00	779862	0.1	200.6	<0.1	2.9	2.08	16	0.10
36.00	37.00	1.00	779863	<0.1	131.5	<0.1	0.8	4.41	14	0.09
37.00	40.00	3.00	779864	<0.1	241.2	0.1	7.2	2.79	15	0.10
40.00	43.00	3.00	779865	<0.1	219.1	0.1	8.2	2.52	19	0.10
43.00	46.00	3.00	779866	<0.1	276.1	0.1	16.2	3.2	19	0.11
46.00	49.00	3.00	779867	<0.1	223.2	0.1	8.7	2.68	22	0.14
49.00	52.00	3.00	779868	<0.1	192.4	0.1	13.1	2.6	18	0.11
52.00	55.00	3.00	779869	0.2	332.4	0.2	14.2	2.28	16	0.11
55.00	58.00	3.00	779870	<0.1	288.5	0.1	11.5	2.29	28	0.12
58.00	61.00	3.00	779871	<0.1	174.4	<0.1	8.5	3.67	95	0.12
61.00	64.00	3.00	779872	<0.1	367.0	0.3	21.7	3.17	111	0.11
64.00	67.00	3.00	779873	<0.1	170.5	0.1	5.5	3.92	36	0.17
67.00	70.00	3.00	779874	0.3	226.2	0.1	11.2	3.94	126	0.25
70.00	73.00	3.00	779875	0.3	183.9	0.2	11.9	4.08	92	0.28
73.00	76.00	3.00	779876	0.2	139.3	0.1	11.2	4.12	98	0.23
76.00	79.00	3.00	779877	0.3	57.7	<0.1	3.6	3.49	50	0.19
79.00	82.00	3.00	779878	0.3	97.6	<0.1	10.4	3.21	152	0.16
82.00	85.00	3.00	779879	0.3	100.9	<0.1	5.1	4.2	81	0.18
85.00	92.00	7.00	779880	0.3	86.8	<0.1	5.2	5.45	109	0.22
92.00	93.88	1.88	779881	0.7	108.4	<0.1	5.2	8.32	266	0.29
93.88	96.93	3.05	779882	0.6	130.0	<0.1	9.7	9.69	45	0.24
96.93	99.97	3.04	779883	0.4	84.1	<0.1	10.2	10.55	71	0.28
99.97	103.02	3.05	779884	0.4	114.0	<0.1	4.5	11.18	50	0.26