

RECEIVED

JUN 06 2008

Gold Commissioner's Office
VANCOUVER, B.C.

BC Geological Survey
Assessment Report
29970

**GEOLOGICAL AND GEOCHEMICAL
REPORT ON THE
SILVERBOSS PROPERTY
Event # 4185895**

**CARIBOO MINING DIVISION
NTS 093A006/093A016**

Prepared for

**HAPPY CREEK MINERALS LTD.
#2304-1066 West Hastings Street
Vancouver, B.C.
V6E 3X2**

By

**D. E. Blann, P.Eng.
Happy Creek Minerals Ltd.**

May 2008

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

29970

Table of Contents

1.	Location and Access	7
2.	Claim Status	8
3.	History	8
3.1.	History of the Boss Mountain Mine	8
3.2	History of the Silverboss Property.....	9
4.0	Regional Geology	12
4.1	The Boss Mountain Molybdenum Mine.....	13
5.0	Property Geology.....	14
5.1	Structure.....	15
5.2	Alteration	16
5.3	Mineralized zones.....	17
6.0	2007 Exploration.....	19
6.1	2007 Prospecting and Rock Geochemical Sampling	19
6.2	2007 Soil Geochemical Surveys.....	20
6.3	2007 Stream Sediment Geochemical Survey.....	21
7.0	Discussion	23
8.0	Conclusions.....	24
9.0	Recommendations and Budget.....	26
10.0	Statement of Costs.....	27
11.0	References.....	28
12.0	Statement of Qualifications.....	30

Tables

- Table 1 - Mineral Tenure
- Table 2 - Rock Sample Descriptions and Results
- Table 3 - Geological Field Notes
- Table 4 - Silt Sample Locations and Results

Figures

- Figure 1 - Property Location
- Figure 2 - Mineral Tenure Location
- Figure 3 - Regional Geology
- Figure 4 - Property Geology
- Figure 5 - Rock Sample and Soil Grid Location
- Figure 6 – Soil Geochemical Results – Molybdenum
- Figure 7 – Soil Geochemical Results - Copper
- Figure 8 – Soil Geochemical Results - Tungsten
- Figure 9 – Soil Geochemical Results – Gold
- Figure 10 - Stream Sediment Sample Locations
- Figure 11 – Stream Sediment Results - Molybdenum
- Figure 12 – Stream Sediment Results - Copper
- Figure 13 – Stream Sediment Results - Tungsten
- Figure 14 – Stream Sediment Results - Gold

Appendices

- Appendix 1 - Assay Certificates

Summary

The Silverboss property adjoins the past producing Boss Mountain molybdenum mine on three sides, locally to within 350 metres of the edge of an open pit. It is located approximately 85 kilometres by road northeast of 100 Mile House, British Columbia.

Between 1965 and 1971 the adjacent Boss Mountain molybdenum mine, operated by Noranda, produced 2,968,740 tonnes of ore at an average grade of 0.260% molybdenum. Between 1974 and 1980 3,603,440 tonnes of ore were processed at an average grade of 0.188% molybdenum. A non-43-101 compliant resource of 4.7 million tonnes grading 0.14% molybdenum remains. The Silverboss prospect, first discovered around 1915-1917, was briefly explored between 1969 and 1970, however the area beyond the immediate mine property received no exploration until 1993. Between 1993 and 2004, Ridley prospected the area, located historical showings, and rock samples were for the first time, consistently analyzed for gold that returned positive results. In early 2005, Noranda allowed several claims surrounding the mine leases to lapse and these areas were re-staked with claims that now form part of the Silverboss property. Between 2005 and 2007, Happy Creek Minerals Ltd. conducted prospecting, geological mapping, silt, soil and rock geochemical sampling on the Silverboss property that identified positive molybdenum, tungsten and copper in soil over a large area adjoining the north side of the Boss Mountain mine property. In addition a large, positive gold soil anomaly along with numerous gold-silver bearing quartz veins were located.

The Silverboss property is located on the north eastern edge of the composite Takomkane batholith, part of the eastern margin of the Nicola Group, an island arc assemblage and Upper Triassic Lower Jurassic in age. On the eastern side of the property, the north northwest trending Molybdenite creek fault is in contact to the east with Nicola Group basalt and sediments, and approximately 30 kilometres east, the Terrane bounding Eureka Thrust occurs in contact to the east with continental sediments, Paleozoic or older in age.

The Boss Mountain stock, monzogranite in composition and mid-Cretaceous in age, cuts quartz monzodiorite and monzodiorite of the Takomkane batholith. It may be associated with regional tectonic extension accompanied by dykes of basalt-andesite and rhyolite composition. Soregaroli (1975) indicates the stock is responsible for molybdenum mineralization. Precipitation of molybdenite in open-spaces filled with quartz veins, and quartz breccia at the Boss Mountain molybdenum mine was suggested by Macdonald et al (1995) to be associated with carbonate effervescence of magmatic-hydrothermal fluid starting at an average temperature of

Happy Creek Minerals Ltd. Silverboss Property Page 4

approximately 310^o C and above 1353 metres elevation. Soregaroli (1975) documented one stage of quartz veins, and the first to cut the Boss Mountain stock, to contain copper, tungsten, bismuth and arsenic trace elements.

On the Silverboss property, monzodiorite is cut by brittle faults, fractures and minor shears that trend west-northwest, north and northeast, and have gentle to steep dip. Larger structures can be traced from the adjacent mine over 200 metres in elevation higher and for two kilometres distance through the Silverboss property. Individual fractures from 1 mm to 30 cm in thickness contain variable concentrations of quartz, chlorite, epidote, calcite, tourmaline, sericite and k-feldspar. Wall rock alteration varies up to one metre from fractures. Faults, fractures and shears host basaltic-andesite and locally felsic dykes, and several styles of fracture-controlled quartz veins range in color from white, grey to clear, and suggest several stages of vein emplacement occurred. Quartz vein textures vary from massive to vuggy, dogtooth, and weakly box work or bladed, brecciated. Subparallel to "sheeted" quartz veins also occur, and have little sulphide and wall rock alteration. Quartz veins contain trace to 5% pyrite, chalcopyrite, and have associated and highly variable amounts of copper, along with arsenic, bismuth, and tungsten trace elements. At higher elevations southwest to northwest of the molybdenum deposits, an area approximately 4.0 kilometres by 1.0 kilometres in dimension contains numerous quartz veins from approximately 2.0 to 100.0 centimetres in thickness with concentrations of approximately 25 ppb to 5.0 g/t gold and locally up to 53.0 g/t gold and 343.0 g/t silver.

The 2007 exploration program consisted of prospecting and collection of 17 rock samples, 62 silt samples, 48.3 kilometres of grid and 966 soil samples. Physical work included line cutting of approximately 12.0 kilometres, preparation of two helicopter drill pads, and landing areas, and clearing and maintenance of an existing ATV/snowmobile access trail. Test pits and soil profile sampling was performed where 2006 soil samples returned anomalous results.

Results include better definition and expansion of the 2006 soil anomalies. A 3.0 kilometre by 500 metre area between the Horse Trail and 10 Mile creek area contains largely coincidental molybdenum, copper and tungsten soil anomalies. Within these anomalies, rock samples have returned anomalous molybdenum, tungsten values, and suggest the soil anomalies are derived from the outward extensions to known mineralization at the Boss Mountain mine. Somewhat separately, peripherally and at higher elevations to most of the molybdenum soil anomaly, gold soil anomalies with values over 8.0 and up to 7,184.0 ppb gold occur between the Horse Trail, Dogtooth and East Breccia zones and comprise one fairly well defined area approximately 2.0

kilometres by 500 metres in dimension. Other areas returned positive copper, molybdenum and gold values in soil that remains open in extent.

Rock sampling in 2007 continued to locate new quartz veins containing significant values. In the Horse Trail zone, samples returned 10,006 ppb (10.0 g/t) gold, >100.0 ppm silver, 32.2 ppm bismuth, and 279.4 ppm arsenic in a 4 cm vein and another returned 3,381 ppb (3.38 g/t) gold in a 15 cm vein. A large number of other veins remain unsampled. At lower elevations and near the assumed northern contact of the Boss Mountain stock, a narrow, outcropping quartz vein with a northerly dip returned >2,000 ppm molybdenum. In this area, silt sampling returned 85 ppm and 115 ppm molybdenum along with anomalous copper and tungsten. Regional silt sampling identified three new zones where silt samples returned anomalies such as 1,885 ppb, 1,038 ppb and 528 ppb gold.

Mineralized structures, open-space quartz vein texture, trace elements and spatial proximity to andesite and in part rhyolite dykes are similar for molybdenum bearing quartz veins at the mine, and gold-silver bearing quartz veins at higher elevations surrounding the mine, respectively. This suggests potential for the molybdenum and gold-silver bearing veins to share a common magmatic-hydrothermal fluid source, and genetic connection to a mid-Cretaceous aged intrusive, however more detailed study is required.

The Silverboss property hosts excellent potential for molybdenum deposits either as near-surface extensions to those occurring at the adjacent Boss Mountain mine, or possibly slightly buried or "blind" deposits located beneath the Horse Trail and 10 Mile Creek areas. In addition, there is potential for a previously unrecognized, large-scale mid-Cretaceous aged intrusion-related gold-silver system located peripherally to the porphyry molybdenum system.

Further work, having an expected cost of approximately \$1,450,000 in two phases, is recommended and includes geological mapping, prospecting, rock sampling, soil geochemistry, approximately 25 kilometres of cut line, induced polarization and magnetic and VLF-EM geophysical surveys in phase 1. Phase 2 is recommended to include access trail construction, trenching and drilling of 3,000 metres.

1. Location and Access

The Silverboss Property is located approximately 50 kilometres northeast of 100 Mile House in south central Cariboo, British Columbia (Figure 1). The distance by road is approximately 85 kilometres. The center of the claims is approximately $120^{\circ}16' 11.85''$ West and $52^{\circ}06' 02.57''$ North.

Two kilometres north on Highway 97 from 100 Mile House, B.C., the property is accessed via the Canim-Hendrix road approximately 50 kilometres east to Eagle Creek bridge where the road turns to gravel. At this point the road is called the 6000 logging road. The 6000 road is followed northerly approximately 33 kilometres to the old Boss Mountain mine road, just south of the Hendrix Lake town site. The mine road is taken westerly up the mountain about seven kilometres to a gate. Access from the gate is either by foot or ATV and several trails provide access to various parts of the mountain, some through the mine property. Future logging plans include several new roads and clear cuts that would improve access along the northeast side of the Silverboss property. The south side of the property is accessed via the 620 or Boss Creek forestry road, the turnoff being near the 6015 kilometre post on the 6000 road. All terrain four wheel drive bikes can access the higher elevations from the historical Molybdenite Creek road, following rough cat trails up the mountain.

The Silverboss property adjoins the former Boss Mountain mine leases, locally to within 350 metres of an open pit wall. A hydro transmission line, that powered the mine, is in place and currently provides power for the Hendrix Lake town site, approximately seven kilometres east of the property. Topography varies from gentle slopes and plateau-like mountaintops in the central portion of the claims, to cliffs, in particular around the cirque headwall above the mine pits and parts of 10 Mile Creek. Elevations range from 1600 metres in the valley to 2200 metres at the summit of Takomkane Mountain (also Big Timothy Mountain). The lower slopes are densely forested with spruce, pine, and balsam fir while the higher elevations are covered by isolated stands of stunted sub-alpine fir and alpine plants. The area receives abundant precipitation, most of which falls as snow accumulations of approximately 4 metres between mid October and April, which makes the surface exploration season fairly short at higher elevations. The period from July 1 to September 30 is best for exploration of the higher elevations, whereas lower areas may be worked two or three weeks earlier and later.

2. Claim Status

The Silverboss property is composed of twenty three (23) claims, totaling approximately 10,195 hectares, owned 100% by Happy Creek Minerals Ltd, and seventeen (17) claims totaling 3,036 hectares under option for 100% (Figure 2, Table 1). These claims adjoin and surround on three sides, the former Boss Mountain molybdenum mine that was operated by Noranda.

3. History

3.1. History of the Boss Mountain Mine

The following historical summary of the area is modified after, MacDonald et al. (1996), Soregaroli and Nelson (1976), Eastwood, (1964) and Robertson (1918). Minerals of economic interest were first discovered on Takomkane Mountain a few years prior to 1917, and claims were staked and showings of copper and peridotite worked principally by Ryan and Foster (Robertson, 1918). Approximately a mile to the east, Ryan and Foster located claims covering molybdenum showings and 800 pounds of ore was packed out by horse. In the 1930's Cominco (Consolidated Mining and Smelting Company of Canada Ltd.) completed a large number of trenches, pits and open cuts and two short adits on the Southwest vein zone (Eastfield, 1964). In 1942, the British Columbia Department of Mines completed 1,363 feet of X-ray diamond drilling on the main breccia zone (Eastwood, 1964). H.H. Heustis acquired the existing claim in 1955 and added additional claims in 1956 (MacDonald, 1995). In the same year, Climax Molybdenum Co. optioned the claims and completed several thousand feet of diamond drilling before the option was terminated in 1960 (MacDonald, 1995). In 1961, Noranda Exploration Co. Ltd. optioned the property and after four years of exploration and development achieved production in 1965. Production continued until 1972, when the mine was shut down because of depressed molybdenum markets. During the period 1965 through 1971, a total of 2,968,740 tonnes of ore were processed at an average grade of 0.260% molybdenum. Rising demand for molybdenum resulted in re-opening of the mine in early 1974 (Soregaroli and Nelson, 1976). After re-opening, the mine operated continuously from early 1974 until 1980 when production ceased. During this period, a further 3,603,440 tonnes of ore was processed at an average grade of 0.188% molybdenum. At the time of permanent closure in 1982, indicated ore reserves of 4,706,112 tonnes grading 0.14% molybdenum remained (Minfile 093A001). Another estimate of approximately 63 million tonnes grading

0.074% molybdenum is provided by Sinclair (1995). The mine closed due to adverse market conditions, and low molybdenum prices.

The exploration history of the mine is not well known or documented in public records. Noranda held mineral claims beyond the mine leases and crown grants, including most of the 10 Mile Creek area, however, the only publicly available exploration data from Noranda consists of two diamond drill holes, totaling 345.64 metres recorded for assessment work (Pollmer, 1976). These holes were located southwest of and at higher elevation than the mine workings, and approximately 500 metres east of the Headwall zone on the Silverboss property. The holes returned variable but anomalous molybdenum values with individual five foot sections assaying up to 0.510 and 0.480 % molybdenum in holes 76-3 and 76-13, respectively. The last analyses from 76-13 returned 0.106% molybdenum from 560-565 feet depth, ending in an andesite dyke. No exploration work is recorded in public files since 1976. The mine buildings were dismantled and portions of the property reclaimed by 1986.

3.2. History of the Silverboss Property

Ryan and Foster had staked claims and developed several trenches and open cuts, a shaft of unknown depth, and a short adit on the Silverboss vein system between approximately 1915 and 1917 (Robertson, 1918). Blast trenches were also completed on the southeast edge of the cinder cone and samples of peridotite (evening emerald) were submitted to Tiffany's, New York. The peridotite specimens were found to be of remarkably good colour but more or less flawed and so of little commercial value. It was stated however, that a careful search may yield unflawed stones which would be of commercial value. In 1969, Exeter Mines Limited staked a large group of claims adjacent to the northwest boundary of the Boss Mt. Mine property including the Silverboss vein system. An exploration program consisting of geological mapping, VLF-EM geophysics, and a limited soil sampling survey were completed in 1970 (Allen, 1970; Mark, 1970). This work defined several VLF-EM conductors, some of which had co-incident copper and/or silver soil anomalies that may indicate minerals similar to the Silverboss structure. An access road to the Silverboss prospect from the Moly Creek road, local cat pushes, drill core from three holes, and an abandoned camp are present. Two of the three drill collars are located. This work is believed to have occurred prior to the 1972 mine shut-down. In addition, drill core from at least five drill holes believed to be from around

this time period also occur at the Gus showing (093A020), north of the Silverboss property, however, this work was not recorded (Ridley, 2000).

In 1969, Virgo Explorations Ltd. staked a large group of claims adjoining both the Exeter and Boss Mountain mine properties. During 1970, an exploration program consisting of detailed stream sediment and localized soil sampling, coupled with ground magnetometer surveys were conducted covering most of the north and east portion of Big Timothy Mountain (Simpson, 1970). At the east end of 10 Mile Creek, widespread positive anomalies of molybdenum were returned in silt and soil (prior to the onset of open-pit mining). Four areas were recommended for further work but none was recorded.

In 1972, Rio Tinto staked the Monty property at the head of Boss Creek approximately 2.5 kilometres southwest of the mine property. Apparently, 260 soil samples were collected covering the entire 60 unit claim block but no details of this work were recorded (D. Ridley, in Blann and Ridley, 2006). Several old, well-weathered lath pickets can be seen in the open swamps around Boss Lake that suggest the work was done (D. Ridley, in Blann and Ridley, 2006).

In 1972, exploration consisting of line-cutting, 5.2 miles of induced polarization geophysical survey, and blasting of trenches was performed on the Trooper claims located approximately 4.8 kilometres northwest of the Boss Mountain mine, on the south shore of Buster Lake. Work was conducted from a fly camp and no encouraging results were obtained (Neilson and Gutrath, 1972).

No publically available exploration work is recorded between 1972 and 1985 outside of the Boss Mountain mine property.

In 1985, D. Javorsky staked a large group of claims covering the area east of the mine property. A prospecting program with the aid of an excavator was conducted over old logging roads in the area, and the claims were allowed to lapse (Javorsky, 1985).

In 1993, D. Ridley staked eight units covering the old Silverboss vein structure. During 1994 and 1995, prospecting by Ridley and mapping (D. Blann) was successful in tracing the surface expression of the Silverboss structure for 350 metres as well as locating several

undocumented showings, including the East Breccia (Ridley, 1994; 1995). In 2000, drill core lying around the circa 1970 camp was reviewed, and showed minor copper-molybdenum sulphides in one section of core and a 10 centimetre section of massive pyrite-chalcopyrite likely from the Silverboss structure; drill collars were located at the southwest end of the Silverboss vein structure, in proximity with the cross-cutting 10-Mile fault (Ridley, 1995).

In 2004, 25 rock and 24 silt samples were collected from the Silverboss property. Preliminary geological mapping, prospecting, rock and stream sediment sampling was undertaken mostly on the south side of the property and southwest and west of the mine and identified the Horse Trail and Headwall zones where anomalous copper, gold and silver values occur in narrow quartz veins. A number of widely spaced samples returned over 1.0 g/t gold (Blann and Ridley, 2005).

In January 2005, Noranda allowed a number of its peripheral claims to lapse, and the open ground surrounding the mine was staked by D. Ridley. Happy Creek Minerals Ltd. optioned the property and collected an additional 47 rock and 8 silt samples, along with additional mapping, prospecting along the east side of Big Timothy/Takomkane Mountain, 10 Mile Creek and Horse Trail area that identified significant gold and silver values in quartz veins, along with anomalous arsenic, bismuth, tungsten and molybdenum. The Dogtooth zone was located with samples returning up to 53.0 g/t gold and 343 g/t silver, 10.06 g/t gold and 26.0 g/t silver over 1.0 metre, and other widely spaced veins were found to contain between approximately 1.0 to 5.0 g/t gold. It was concluded that gold and silver appear associated with quartz veins having both low and moderate sulphide concentrations and commonly copper, arsenic, bismuth and locally minor tungsten and molybdenum trace elements occur. In addition, these gold-silver bearing veins were observed to be generally outboard and at higher elevations to the Boss Mountain molybdenum system. Further, it was concluded that potential exists for a genetic connection between these gold-silver bearing quartz veins and the molybdenum porphyry system associated with the Cretaceous aged Boss Mountain stock (Blann and Ridley, 2006).

During 2006, Happy Creek Minerals Ltd. conducted geological mapping, prospecting, 33.7 kilometres of grid, and collected 36 rock, 8 silt and 965 soil samples in the Horse Trail, Dogtooth and 10 Mile Creek areas of the property. Soil sampling identified an area approximately three kilometres by 500 metres in dimension containing positive anomalies of

molybdenum, tungsten and copper. In addition, positive values of gold in soil (up to 7,184 ppb gold) were identified in proximity to the Horse Trail, Dogtooth and East Breccia zones. A rock sample from the South ridge returned 7.26 g/t gold and 140.0 g/t silver. Other new zones containing significant gold and silver were also located.

4. Regional Geology

The Silverboss property is located near the eastern side of Quesnel Terrane, in the South Cariboo, British Columbia (Figure 3.) Regional mapping by the B.C. Government in 2005, and 2006 was conducted (Schiarizza and Boulton, 2006). In this area, Nicola Group rocks are comprised of basal black phyllite and minor carbonate and sediment, middle to upper Triassic in age, and augite-feldspar phyric flow, agglomerate, volcanic conglomerate, monolithic to heterolithic breccia, and tuff of predominantly basalt to andesite composition, Upper Triassic-Lower Jurassic in age. These rocks are apparently roughly coeval with high-level porphyry stocks, dykes and sills of monzonite to diorite composition, late Triassic-early Jurassic in age. This island arc assemblage was in part cut by composite granodiorite of the Takomkane Batholith, late Triassic-early Jurassic in age. Near Canim Lake, argillite, greywacke, wacke, conglomerate turbidite, and volcanoclastic rocks occur and are Lower Jurassic in age.

Small stocks or irregular-shaped bodies and felsic dykes cut older units and are monzogranite to granodiorite in composition. Hydrothermal biotite from the Boss Mountain mine, deemed directly related to a monzogranite stock gave returned an age of 105 +/- 2 million years, or Middle Cretaceous in age (White et al., 1968 in Soregaroli, 1975). These rocks are spatially associated and responsible for molybdenite at the Boss Mountain Mine (Soregaroli and Nelson, 1976; MacDonald, 1995).

Alkaline and calc alkaline volcanic rocks and fine grained, sedimentary rocks of the Kamloops Group are Eocene in age and generally occur west of the property.

Alkaline volcanic rocks of the Chilcotin Group, are Miocene to Pleistocene in age, and also occur generally west of the property.

The area was covered by approximately 1200-1800 metres of ice during glaciation that removed both Tertiary aged and older rocks, and deposited between one and 30 metres or

more of till, glaciofluvial and lacustrine cover. The Takomkane Volcano is an olivine bearing alkali basalt cinder cone and associated vent-proximal flow contains peridotite and is syn- to post-glacial, or Holocene in age.

4.1. The Boss Mountain Molybdenum Mine

Geology is largely summarized after Soregaroli and Nelson (1976) and MacDonald et al. (1996). Molybdenum deposits at the Boss Mountain Mine are arranged peripherally to the Boss Mountain stock, quartz monzonite porphyry (or monzogranite) in composition, and the source of molybdenum mineralization (Soregaroli, 1975). Felsic (rhyolite) and tholeiitic and alkali basalt dykes cut the Takomkane Batholith and occur in spatial proximity to the quartz matrix breccia and quartz veins and accompanied molybdenum mineralization in the deposits (MacDonald et al., 1995).

Several fracture sets and barren, or weakly mineralized quartz veins believed to be pre-mineral are not discussed here. An early stage of coarse-grained molybdenite occurs in a sheeted quartz vein complex comprised of quartz, orthoclase, pyrite and molybdenite with minor sericite and rutile, very minor biotite, amphibole and topaz (Soregaroli and Nelson, 1976). Vugs contain zeolite, calcite, siderite, clay and rarely fluorite. A later phase of quartz veins contains no molybdenum, however, lead, copper, bismuth sulphides, bismuthinite, chalcopyrite, sphalerite, galena, scheelite and anatase occur locally within the same structures as the coarse-grained molybdenum veins, and are first to cut the Boss Mountain stock (Soregaroli and Nelson, 1976). These veins have envelopes of k-feldspar and sericite up to 50 centimetres in thickness.

Ribbon style quartz molybdenum veins occur in areas hosting other quartz veins and within the same structures hosting mafic dykes, and locally porphyritic felsic dykes cut these veins sets (MacDonald et al., 1995). Mafic and felsic dykes were emplaced during the mineralizing event (MacDonald et al., 1995).

Initial molybdenum-bearing magmatic-hydrothermal fluid intersected water-carbon dioxide solvus at approximately 350°C and 350 bars, inducing phase separation, effervescence, and is associated with molybdenite precipitation above the 1353 metre elevation (MacDonald et al., 1995). The onset of molybdenite precipitation is therefore estimated at approximately 365

metres below the current surface of the deposits. Molybdenite precipitation may be triggered by a change in the carbon dioxide/ trioxide content of dilute, low-saline fluid, depending on either complexing of molybdenum metal, or pH of the fluid (MacDonald et al., 1995).

5. Property Geology

A map of the general geology of the Silverboss property is provided in Figure 4.

The following paragraph is modified after Van Wermeskerken, (2006), in Blann (2007). "The rocks underlying the Silverboss property are mostly medium to coarse grained diorite (monzodiorite) and quartz diorite (quartz monzodiorite) of late Triassic age. Composition varies significantly, with biotite ranging from 2 to 15%, quartz from 0 to 10%, hornblende from 10 to 50% and contains 2 to 3 % fine disseminated magnetite, with the remainder being feldspars. Numerous rafts and xenoliths contain up to 70% coarse, crystalline hornblende. A second diorite unit, consists of a medium to fine grained, darker, biotite rich (10-20%) diorite. Noted occurrences of the biotite-rich unit have generally been delineated from southwest to northwest of informally named 'Silverboss Lake'. It is interesting to note, that a previous (Noranda) geologist based the parameters of each of these phases on the quartz content and came up with the same generalized boundary. However, biotite rich phases from a few metres to approximately 20 metres in extent have been noted within the more biotite-deficient phase, and are also believed to be part of the same pluton. All of the igneous (diorite) rocks are moderately magnetic".

Pale to dark green, fine grained andesite and light colored, fine grained felsic (rhyolite?) dykes between 0.10 and 2.5 metres in width cut the diorite and trend northwest to northeast in orientation and dip moderately to steeply. Dykes parallel to the Silverboss vein structure have been described as diorite-andesite (Blann, 1995, in Ridley, 1995), mica lamprophyre and diorite (Robertson, 1918) and mica lamprophyre (Van Wermeskerken, 2006, in Blann, 2007). On the Silverboss property, andesite dykes fill fractures and are commonly spatially associated with gold-silver bearing quartz veins. Approximately 600 metres northeast of the East Breccia prospect and north of the 10 Mile Creek fault, rhyolite and an adjacent andesite dyke occur within the same northwest trending structure.

Pegmatite occurrence extends over an area roughly 1 by 2 km in area and rarely, some pegmatite contains trace molybdenite and sulphide. Pegmatite is believed to be older in age than the molybdenum mineralization at the mine (Soregaroli, 1968).

The Takomkane Volcano is located four kilometres northwest of the Boss Mountain mine open pits, and are the highest elevation of the Silverboss property. These volcanic rocks are of magnetic basalt composition, and have texture ranging from vesicular, amygdaloidal and fine grained flow, flow breccia, ash to lapilli tuff and agglomerate. Fragments within the flow consist of coarse, granular olivine, with an abundance of darker green peridote. These occurrences of peridote have been trenced in the past. Towards the north and west of the volcanoes, cinder flats cover Takomkane batholith. The Takomkane basalts cover an area of approximately one square kilometre.

Several fine grained, feldspar-hornblende phyric mafic dykes, up to 1.5 metres wide, crosscut the diorite and trend generally northwest and have steep easterly dip. These dykes are also magnetic, and are interpreted to be feeder dykes to the above mentioned volcanoes. They locally contain 2-5% disseminated pyrite. These dykes are different in composition and alteration from the mafic dykes associated with the nearby Boss Mountain mine.

5.1. Structure

Intrusive rocks are cut by fractures, faults and shears 1-20 metres in width, trend northwest to northeast with a steep dip, and easterly with a south dip, and display cross cutting relationships. The Molybdenite Creek fault strikes north-northwest, dips steeply, and is subparallel to the contact between the Takomkane Batholith and Nicola Group rocks to the east. Quartz-molybdenum veins in the northwestern-most pit of the mine dip 45-60 degrees west, and fractures trending northwest are part of a larger structure that can be traced to the Horse Trail zone and beyond, a distance of over 2.5 kilometres distance and 200 metres elevation. In the 10 Mile Creek valley, a moderate to strongly sericite-pyrite (+/- scheelite) altered shear zone was sampled in 2005 and is believed to be part of the 10 Mile Creek fault that trends west-northwest, dipping steeply. This fault may be part of several that are subparallel to conjugate in orientation and can be traced, in part, for over three kilometres west to near the Silverboss zone. The 10 Mile Creek fault is steeply dipping, and appears in part normal in sense of displacement, and cuts the northeast trending Silverboss structure,

with unknown lateral offset. In this area, the shape of small trees growing within the fault suggests the fault may have been recently active. The 10 Mile Creek fault apparently displaces the Molybdenite Creek fault with a dextral sense of approximately 300 metres (Soregaroli and Nelson, 1976). Fault and fracture zones locally contain andesite and rhyolite dykes on the Silverboss property.

5.2. Alteration

Alteration is based on visual mineral identification, and petrography performed under the supervision of A. Thompson (Blann and Ridley, 2006). Fracture controlled zones of alteration are comprised of variable concentrations of quartz, chlorite, epidote, tourmaline, sericite, clay, carbonate, k-feldspar, and locally diopside/pyroxene. Chlorite-epidote replaces amphibole, sericite-muscovite replaces plagioclase, and tourmaline occurs as selvages to brown carbonate-epidote veinlets. Epidote is associated with masses of irregular chalcopyrite grains, and chalcopyrite partially in-fills fractures within pyrite (Thompson et al, 2005). Carbonate veinlets locally cut quartz and pyrite-chalcopyrite and suggests it is a late stage event. Generally weak and variable replacement of mafic minerals and plagioclase occurs in fracture selvages and affects wall rock between 5 centimetres up to a metre beyond the fracture. The frequency of fractures and intensity of associated alteration varies from generally weak to moderate; however, larger, wider structures can be traced several kilometres on surface and over 200 metres vertically. The frequency of fracturing and abundance of chlorite, epidote, sericite, and pyrite +/- scheelite increases at lower elevations in the 10 Mile Creek area, and immediately west of the mine, in the Horse Trail area.

Quartz veins fill fractures and are of several styles; milky white, massive, and irregular in form, to grey and clear, pinch-swell, straight-walled to sheeted with minor visible wall rock alteration. Veins contain variable concentrations of sulphide, from trace to over 5.0% and are dominantly comprised of pyrite, chalcopyrite, locally trace galena, sphalerite, and silver-grey metallic luster sulphosalt and possibly bismuthinite. Geochemical analyses indicates variable concentrations of copper, lead, zinc, arsenic, bismuth, antimony, mercury, tungsten, and molybdenum occur in varying proportions within the different vein styles.

5.3. Mineralized zones

To date several zones of mineralization occur on the Silverboss property and are summarized here from previous exploration.

The Silverboss vein consists of a northeast trending, steeply dipping 1-2 stage vuggy quartz vein, breccia and stock work, between 0.5 and 2 metres in width and 350 metres in length (Figure 4). Comb and dogtooth quartz, fine grained pyrite, limonite and chalcopyrite occurs within and adjacent quartz phases that are within a wider zone of sheared chlorite epidote sericite altered granodiorite and intrusion breccia, in proximity to, or adjacent andesite or (biotite lamprophyre ?) dykes. Elevated concentrations of manganese, lead, zinc, arsenic and antimony occur. Gold and silver values vary. In trench 4, a sample of a 0.50 metre wide shear and quartz vein contains 4.26 g/t gold, 64.6 g/t silver and 240 ppm copper. In trench 8, a 0.25 metre wide sample returned 215 ppb gold, 390.4 g/t silver and 3.18% copper. A 0.25 metre chip sample from part of the Silverboss vein near the shaft returned 9.41 g/t gold, 514.8 g/t silver and 1.34% copper (Ridley, 1995). In 2004, a grab sample of high grade pyrite-chalcopyrite in vuggy quartz returned 6.7% copper, 443.0 g/t silver and 2.92 g/t gold. Approximately 250 metres northwest, a grab sample of vuggy quartz veins and chalcopyrite on the margin of a northwest trending andesite dyke returned 0.72% copper, 6.0 g/t silver and 0.32g/t gold. A narrow biotite lamprophyre dyke occurs within portions of the Silverboss structure that may be similar to the high grade molybdenum "vein-dyke" at the Boss Mountain mine (Van Wermeskerken, 2006, in Blann, 2007).

Approximately 300 metres east of the shaft, a zone of strongly epidote altered hornblende diorite breccia occurs at the East Breccia. This zone is cut by quartz veins trending 146 degrees containing variable concentrations of chalcopyrite, pyrite and specular hematite. A picked grab sample returned 1,241 ppb gold, 1.21 oz/t silver and 2.48% copper. A chip sample of wall rock returned 218 ppb gold over 2.0 metres. Further north, a grab sample of quartz float with pyrite and chalcopyrite returned 406 ppb gold, 180 ppm silver, and 1.8% copper (Ridley, 1995). Near the East Breccia, a rock sample returned 1627 ppb gold, 8.5 ppm silver, 191 ppm copper and 132 ppm arsenic from quartz vein float 0.25 metres in width (Ridley, 2000).

The South Ridge, Headwall, Horse Trail and Dogtooth zones are comprised of quartz veins within fractured and variably propylitic altered monzodiorite. Fractures and quartz veins contain pyrite from trace to 3%, and trace chalcopyrite, minor manganese, and locally molybdenite. Along the south ridge of Big Timothy Mountain quartz fracture fillings 1-3 cm in width locally contain minor chalcopyrite-magnetite and trace molybdenite. A grab sample of chlorite epidote altered diorite with rusty weathered quartz veinlets returned 7.26 g/t gold and 140 g/t silver, 376.4 ppm copper, 163.8 ppm lead, 108.1 ppm arsenic, 4.1 ppm bismuth (Blann and Ridley, 2007).

In a large gully on the Headwall zone southwest of the mine pits, vuggy, comb and dogtooth quartz vein float contains pyrite and chalcopyrite, similar to the Silverboss vein and returned 723 ppb gold, 226 ppm bismuth and 230 ppm tungsten. These structures can be traced over 1.5 kilometres laterally and 200 metres higher in elevation from the mine pits and onto the Silverboss property, and remain open in extent to the west (Blann, Ridley, 2005).

The Horse Trail veins appear similar to the Silverboss shaft area in that they consist of narrow (20-30 cm wide) shear zones with vuggy cavities filled with dogtooth quartz and intergrown sulphides, mainly pyrite-chalcopyrite, as well as adjacent, subparallel, sulphide-poor, massive grey-white, straight-wall quartz veins. A grab sample from a poorly exposed, quartz vein outcropping on the old horse trail returned 4238 ppm copper, 27.0 ppm silver and 2413 ppb gold. A chip sample across a 20 cm wide quartz vein, exposed 100 metres to the south and trending 330/75E returned 5642 ppm copper, 43 ppm silver and 791 ppb gold. A grab sample from high-grade quartz-sulphide rubble below this vein returned >10,000 ppm copper, 78 ppm silver and 1475 ppb gold.

The Dogtooth zone, discovered in 2005, is comprised of a quartz vein and shear zone trending northeast and northwest, respectively, with samples returning up to 53.01 g/t gold and 343.0 g/t silver with 148.8 ppm copper, 85.1 ppm arsenic, 56.9 ppm bismuth, in a float/subdrop sample of silicified quartz monzodiorite and vuggy quartz veinlets. Nearby, a 1.0 metre chip sample of a northeast trending quartz vein and shear zone returned 10.06 g/t gold, 26.0 g/t silver, with 642.9 ppm copper, 116.9 ppm arsenic and 56.0 ppm bismuth over 1.0 metre. Adjacent to this sample, 4.77 g/t gold, 35.0 g/t silver, 198.2 ppm copper, 30.8 ppm arsenic, and 56.9 ppm bismuth occurs over 17 cm. The zone can be traced approximately 150 metres and remains open in extent. Approximately 250 metres to the southeast, diorite,

andesite dyke and quartz with 3-5% pyrite returned 5.7 ppm molybdenum, 228 ppm copper, 16.9 ppm arsenic, 9.4 ppm bismuth, 20.0 g/t silver, and 5.82 g/t gold in a grab sample. Other quartz veins containing significant gold values occur between the Dogtooth and East Breccia zone.

The 10 Mile Creek zone is located at the base of the steep headwall at the west end of 10 Mile Creek. In this area, the biotite-hornblende quartz monzodiorite is moderate to strongly fractured, and locally sheared in proximity to the 10 Mile Creek Fault. Quartz, chlorite, epidote, pyroxene and sericite occur in fractures and contain trace to nearly massive pyrite and trace scheelite. A chip sample returned 4.0 metres containing 9.8 ppm molybdenum, 0.015 % tungsten and 0.21 g/t gold. Adjacent to this sample, a grab sample westward over a 25.0 metre distance returned 5.3 ppm molybdenum, 117.2 ppm copper, 2.5 ppm silver, 0.04 g/t gold, 37.9 ppm bismuth, and 0.05% tungsten (Blann, Ridley, 2006). Approximately 400 metres west of this area and just east of the Takomkane Volcano, a 25.0 cm sample of chlorite epidote altered diorite with a mafic dyke and 2cm quartz vein returned 279.5 ppm molybdenum, 1947.2 ppm copper, 3.4 ppm silver, 63.9 ppb gold, 0.20 ppm bismuth.

6. 2007 Exploration

The 2007 exploration program consisted of prospecting and collection of 17 rock samples, 62 silt samples, 48.3 kilometres of grid and 966 soil samples. Physical work included line cutting of approximately 12.0 kilometres, preparation of two helicopter drill pads, and clearing and maintenance of an existing ATV/snowmobile access trail. Test pits and soil profile sampling was performed where 2006 soil samples returned anomalous results. An on-site geological review and examination of the Horse Trail and Dogtooth zone by Art Soregaroli, PhD was greatly appreciated.

6.1. 2007 Prospecting and Rock Geochemical Sampling

Prospecting and rock sampling was focused on the Horse Trail zone and the 2006 soil anomaly in proximity to the Boss Mountain mine. Seventeen rock samples were placed into polyethylene bags, tied closed and shipped to Acme Analytical Laboratories in Vancouver for analysis by 15 gram ICP-MS. Rock sample locations are plotted in Figure 5 and results for molybdenum, copper, tungsten and gold are plotted with the soils in Figures 6 to 9,

respectively. Rock sample descriptions and assay results are located in Table 2, and certificates of analysis in Appendix 1. Geological field notes are provided in Table 3.

Prospecting, mapping and sampling in the area of the 2006 soil anomalies identified numerous fractures containing variable concentrations of quartz, chlorite, biotite, tourmaline, pyrite, chalcopyrite and molybdenite. Fracture controlled alteration minerals and sulphides occur within fine to medium grained hornblende-biotite quartz monzodiorite, and in part adjacent to or within pale to dark green fine grained andesite dykes.

Fractures and mineralized veins within the Horse Trail zone display cross cutting relationships. Veins trending $080^{\circ}/80^{\circ}$ are cut by fractures trending $126^{\circ}/44^{\circ}$ and veins trending $250^{\circ}/80^{\circ}$ are cut by fractures trending $126^{\circ}/44^{\circ}$ with 2-3 chlorite veins per metre (sample #4416: 354.8 ppm molybdenum, 909.8 ppm copper, 6.7 ppm silver, 15.9 ppb gold, 1.6 ppm bismuth, 0.8 ppm tungsten and <0.1 ppm mercury). Approximately 90 metres to the east, a 15 cm quartz vein within a shear zone trending $240^{\circ}/80^{\circ}$ containing quartz, pyrite, chalcopyrite, epidote, chlorite and tourmaline with fractures 0.25-1.0 cm in width and approximately 5-10 per metre contains significant gold (sample #4417- 3.2 ppm molybdenum, 2314 ppm copper, 48.0 ppm silver, 3380.9 ppb (3.38 g/t) gold, 3.0 ppm bismuth, 1.2 ppm tungsten, 0.12 ppm mercury and 16.5 ppm arsenic). Approximately 145 metres southeast of sample #4417, sample #493465 consisted of a 4 cm quartz vein trending $059^{\circ}/84^{\circ}$ and returned 3.2 ppm molybdenum, 217.7 ppm copper, >100.0 ppm silver, 10005.9 ppb (10.00 g/t) gold, 32.2 ppm bismuth, 1.2 ppm tungsten, 0.07 ppm mercury, and 279.4 ppm arsenic. Detailed prospecting and rock sampling has continued to locate additional quartz veins containing significant gold and silver values.

6.2. 2007 Soil Geochemical Surveys.

Soil samples were collected from an average depth of 25 centimetres utilizing a mattock and mainly consisted of a sandy-silt mixture. Sample medium consisted of bright orange "BF" horizon developed within glacial till and talus fines along steeper slopes. Soil samples were placed in kraft paper bags, tied closed and air dried for several weeks. These samples were placed into large rice bags, tied closed and shipped to Acme Analytical Laboratories, Vancouver, B.C. for screening to -80# and analysis by ICP-MS. Data was combined with the

2006 survey and results for molybdenum, copper, tungsten and gold are plotted in Figures 6 to 9, respectively.

The soil geochemical survey has refined and expanded the anomalies obtained from the 2006 survey. Positive and largely coincidental anomalies of molybdenum, copper and tungsten in soil occur between the Horse Trail and 10 Mile creek areas. Together the anomalies are within a general area approximately 3.0 kilometres in length, 500 metres in width and trend west-northwest. The strongest molybdenum soil anomalies occur in the 10 Mile Creek area, along the northern side of the Boss Mountain Stock. These anomalies may be explained by the presence of variable concentrations of pyrite, chalcopyrite, scheelite, and trace molybdenite within fractures and quartz veins of the monzodiorite host.

A generally separate zone containing anomalous and up to 7184.5 ppb (7.18 g/t) gold occurs along the east flank of Takomkane Mountain generally between the Horse Trail, Dogtooth and East Breccia zones. The main gold soil anomaly occurs within an area approximately 1.5 by 1.0 kilometres in dimension in proximity to the East Breccia, 10 Mile Creek fault and Dogtooth zones and several others occur that are approximately several hundred metres in dimension that remain poorly defined and open in extent. The gold soil anomalies may be explained by the presence of several styles of quartz veins containing gold and silver values, some with very low concentrations of sulphides and some with moderate amounts of pyrite, chalcopyrite (copper); most have traces arsenic and bismuth. Tungsten also occurs as scheelite in quartz veins and pyrite veins in these areas, but predominantly at lower elevations in the 10 Mile Creek area, Horse Trail zone, and in proximity to the molybdenum and copper soil anomaly.

6.3. 2007 Stream Sediment Geochemical Survey.

Stream sediment samples collected in the field were from active water channels containing fine grained sand and silt. Some stream sediment samples were obtained from around the Boss Mountain mine and Silverboss property, and, as part of a regional program, from the Hendrix and Dietrich creek valleys. Silt sample locations are provided in Figure 10, and results are presented in Table 4. Data plots for molybdenum, copper, tungsten and gold are provided in Figures 11 to 14. The following summary is provided by D. Ridley (2007 Regional

Stream Sampling, private Company report). In summary, the regional silt program identified three new areas containing anomalous to significant gold.

Dietrich Creek:

Four samples (HEN07BKS40 to BKS43) adjacent the northeast corner of claim #552571 returned anomalous gold values. Sample BKS40 is situated on the east border of the Happy Creek claim boundary and returned 1038 ppb gold whereas sample BKS 41 was taken approximately 600 metres downstream and returned 110 ppb gold. Sample BKS 42 was taken on a tributary of the previous creek but returned only 14 ppb gold. The lower value may indicate the mineralized structure causing the previous anomaly may not be close to surface in this drainage. Sample HEN07 BKS43 was taken from a creek draining the east edge of claim #552571 and returned 528 ppb gold. Total potential strike length of the anomalous zone is over 1.5 kilometres between creek BKS41 and BKS43, assuming the zone follows the northwest trending hillside.

Stinson Creek:

Over 20 samples were collected in this area which resulted in two anomalous zones requiring follow up. A single sample (HEN07BKS31) southwest of Stinson Lake returned 35 ppb gold and 100 ppm copper. Two creeks situated 350 metres apart and draining the western slopes of the valley between Stinson and Hendrix lakes returned anomalous gold values. Sample HEN07BKS20 returned 171 ppb gold whereas the next sample north returned 28 ppb gold (HEN07BKS21). Although a traverse was completed along the logging road above these samples, no rock samples were taken through the BKS20 and 21 interval. Diorite float with quartz-k-feldspar veinlets and minor chalcopyrite was found on this upper road approximately 600 metres northwest of BKS21.

Hendrix Creek East:

Three creeks draining the western side of Hendrix Mountain were found to be anomalous for gold. The first is situated at the first creek crossing on a new road north of the 6300 road. This creek covers a large drainage basin and is low in the Hendrix valley but returned the highest gold value this year at 1885 ppb gold and 0.4 ppm silver (HEN07BKS6). Quartz float with minor pyrite was sampled near the BKS6 site (#493481).

The second anomalous drainage is situated on the new logging road about 700 metres north of BKS6 and returned 26 ppb gold (HEN07BKS4). Sample BKS5, situated between these anomalous drainages, returned no anomalous values.

The third anomalous creek is situated about 1.6 kilometres northerly up the valley from BKS4 and returned 36 ppb gold (HEN07BKS26). Quartz float was seen at the sample site but was not sampled. This sample is on the opposite side of the ridge from the Dietrich creek anomalies and is from a larger creek with a substantial drainage basin.

Most of the creeks along this side of Hendrix Mountain have a significant "lazy S" bend which has a rough northerly strike and could indicate a buried north trending structure.

7. Discussion

The Silverboss property is located adjacent the Boss Mountain molybdenum mine, approximately 85 kilometres by road northeast of 100 Mile House, British Columbia. The property is regionally located on the eastern side of the Quesnel Trough, approximately 30 kilometres west of the Eureka Thrust marking the Terrane boundary between Nicola Group island arc assemblage, Upper Triassic-Lower Jurassic in age, and metamorphosed continental derived sediment of the Snowshoe Group, Paleozoic and older in age. The property is underlain by monzodiorite and biotite quartz monzodiorite (diorite/granodiorite) on the eastern edge of the composite Takomkane batholith, Upper Triassic-Lower Jurassic in age. The Boss Mountain stock is monzogranite to granodiorite in composition and Middle Cretaceous in age.

At the Boss Mountain molybdenum mine, deposits are genetically related to and occur in a peripheral spatial arrangement centered on the Boss Mountain stock, and dykes of basaltic andesite and felsic composition accompany molybdenum mineralization. Similar dykes occur on the Silverboss property, and also occur in spatial proximity to mineralization. All of these rocks are cut and in part overlain by an alkali-olivine peridotite bearing basalt cinder cone and feeder dykes that are Pleistocene or Holocene in age (the Takomkane Volcano).

On the Silverboss property, faults, fractures and shear zones contain variable chlorite-epidote, quartz, sericite, calcite/carbonate, and locally quartz-epidote- diopside/pyroxene,

tourmaline, and k-feldspar minerals. Wall rock alteration appears limited to within one metre of fractures, however may coalesce where fracture density is moderate. Larger structures can be traced for several kilometres and over 250 metres in elevation, extending from the molybdenum deposits at the Boss Mountain mine through the Silverboss property.

Structurally controlled quartz veins occur as lenses of white, bull quartz, grey to clear, straight-walled and "sheeted" quartz and local quartz vein breccia occurs. Quartz veins appear variable in texture from massive, drusy, vuggy, dogtooth and box work to bladed in texture and contain highly variable concentrations of pyrite, chalcopyrite, and associated gold and silver values, along with copper, arsenic, bismuth and locally tungsten and molybdenum trace elements. These veins have returned moderate to significant gold and silver values ranging up to 53.01 g/t gold, 343.0 g/t silver, and commonly between 0.5 to 10.0 g/t gold, often in spatial proximity to andesite dykes and larger structures.

Copper, arsenic, bismuth trace elements in at least one stage of open-space textured quartz veins, and presence of mafic and felsic dykes emplaced temporally or during mineralization at the Boss Mountain mine is very similar to the nature of gold-silver bearing quartz veins occurring at higher elevations on the Silverboss property. An apparent outward and in part elevation-controlled zoning of mineralization within quartz veins is also reflected in soil geochemical anomalies from lower to higher elevations; molybdenum to tungsten-copper, to gold-silver. Together, these data suggest there is potential for a genetic link between the mid-Cretaceous Boss Mountain stock; higher temperature molybdenum mineralization and distal, lower temperature gold-silver mineralization occurring peripherally or above molybdenum mineralization on the Silverboss property.

8. Conclusions

The Silverboss property is located in the south central Cariboo region, British Columbia, adjacent to the past producing Boss Mountain molybdenum mine containing current (Non 43-101 compliant) resource of 4.7 million tonnes grading 0.14% molybdenum. The property is underlain by monzodiorite, quartz monzodiorite (diorite/granodiorite), and hornblende-biotite porphyry of the Takomkane batholith and is cut by monzogranite of mid-Cretaceous age and dykes of alkaline basalt-andesite and rhyolite composition occur. These rocks are locally cut and overlain by alkali-olivine basalt volcano and feeder dykes.

Multiple stages of tectonic, intrusive and volcanic activity are evident between the mid-Cretaceous and Holocene, and suggest an extensional tectonic regime. Molybdenum bearing quartz vein and breccia at the Boss Mountain molybdenum mine is spatially and temporally associated with a mid Cretaceous aged monzogranite stock, andesite and rhyolite dykes. On the Silverboss property, fault and fracture systems contain variable concentrations of quartz, chlorite, epidote- diopside/pyroxene, tourmaline, k-feldspar and sericite alteration. At least two or three stages of quartz veins are apparent and vary from massive and milky white to grey to clear, the latter two styles tending to occur in straight-walled, "sheeted" arrangement with minimal wall rock alteration. Quartz veins contain highly variable amounts of pyrite, chalcopyrite and associated copper, gold, silver values and trace elements arsenic, bismuth, tungsten and locally molybdenum. Quartz veins have returned trace to 53.0 g/t gold and 343.0 g/t silver, with a significant number of widely spaced samples to date returning 0.50 to 10.0 g/t gold from higher elevations between the South Ridge, Horse Trail, Dogtooth, East Breccia and Silverboss shaft zones, a distance of over 4.0 kilometres.

There is potential for the gold-silver bearing quartz veins on the Silverboss property to be a higher elevation, perhaps lower temperature expression of at least some of the quartz veins associated with molybdenum deposition in the Boss Mountain molybdenum mine. Both appear to have trace element signatures that are common to mid Cretaceous aged intrusions. Portions of the Boss Mountain stock, or a separate, "blind" or "buried" stock located within the 10 Mile Creek valley may in part explain the large scale gold in rock and soil anomalies occurring at higher elevations and the large scale molybdenum, copper and tungsten soil and rock anomalies at lower elevations in this area.

Geology, soil, silt and rock sampling in 2007 has expanded and refined the positive gold, molybdenum, copper and tungsten soil anomalies. The best molybdenum potential appears to occur between the Horse Trail zone and 10 Mile Creek, an area approximately 3.0 kilometres by 500 metres in dimension that remains open in extent. Substantial gold in soil and rock anomalies occur between the Horse Trail, Dogtooth, East Breccia and Silverboss zones, however other zones containing anomalous gold in rock and soil occur, and large areas remain un-explored.

9. Recommendations and Budget

Exploration to date on the Silverboss property has identified potential for large-scale intrusion hosted gold and porphyry molybdenum deposits associated with mid-Cretaceous intrusions cutting the composite Takomkane batholith. Further exploration to expand the geochemical anomalies, and detailed geological mapping and rock sampling in the gold and molybdenum soil anomalies is recommended in Phase 1. Access trail construction into 10 Mile Creek, Horse Trail, Dogtooth, East Breccia followed by an induced polarization survey, trenching and diamond drilling is recommended in Phase 2.

Phase 1 \$200, 000

- 1) Complete the soil grid in 10 Mile Creek and expand surveys to the north and south of the current grid. Prospecting to the northeast, northwest and west of the grid areas, as well as intensive rock sampling and geological mapping within the gold and molybdenum soil anomalies. Prospecting and detailed silt sampling of the anomalous samples returned in the regional geochemical survey.

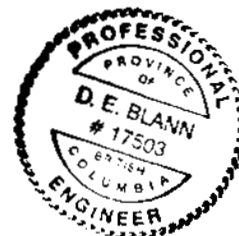
Phase 2: \$1,250,000

Access trail construction to 10 Mile Creek and a total of 40 km induced polarization geophysical grid over the 10 Mile Creek, Horse Trail and East Breccia –Silverboss zones. Trenching of molybdenum and gold in soil anomalies, with sampling performed by diamond saw cutting. If trenching is impractical, then diamond drilling of 3,000 metres in 10 holes focusing on 10 Mile Creek, Horse Trail, Dogtooth and East Breccia areas is recommended.

Respectfully submitted,



David E Blann, P.Eng.



10. Statement of Costs

Period	June 30 2007- April 30 2008		
Wages	# days	\$/day	Totals
D. Blann, P.Eng.	8	\$ 650.00	\$5,200.00
D Black- Prospector	13	\$ 325.00	\$4,225.00
T. Ridley - Field Tech	9	\$ 100.00	\$900.00
D. Ridley, Prospector	19	\$ 350.00	\$6,650.00
	41		\$16,975.00
 <u>Disbursements</u>			
Truck - Blann	5	\$ 100.00	\$500.00
Truck - Black	13	\$ 100.00	\$1,300.00
Truck - Ridley	8	\$ 100.00	\$800.00
ATV - Black	11	\$ 75.00	\$825.00
ATV - Ridley	5	\$ 75.00	\$375.00
ATV - Blann	3	\$ 75.00	\$225.00
Room/Board	41	\$ 100.00	\$4,100.00
sat and cell phone, radios - Communications	41	\$ 10.00	\$410.00
Field Supplies- Fuel & propane			\$5,950.24
<u>Analyses</u>			
Acme Analytical Laboratories			\$17,570.56
 <u>Contractors</u>			
Rio Minerals Limited- grid, linecutting and soil sampling			\$38,631.77
A.E. Soregaroli, PhD. Geology			\$5,777.49
Jim Cuttle, P.Geo			\$2,165.63
Yellowhead Helicopters	17.5	\$1,100.00	\$19,250.00
Eagle Mapping Ltd.			\$2,264.15
Meridian Mapping Ltd.			\$1,958.50
Spectrum Mapping Corp			\$5,530.40
Shipping Bus, courier			\$1,800.00
Drafting & Reproductions			\$1,685.43
Report			\$4,500.00
			\$115,119.17
		Wages and Disbursements	\$132,094.17
		10% Management Fee	\$13,209.42
Total			\$145,303.59

11. References

- Allen, AR: 1970; Geological survey of Silverboss, SB, and Gus claim Groups; Assessment report. # 2513.
- Blann, D., Ridley, D., 2005, Geological and Geochemical Report on the Silverboss property, Tenures SB 1-4, for Happy Creek Minerals Ltd. Assessment report # 27775.
- Blann, D., Ridley, D., 2006, Geology and Geochemical Report on the Silverboss property, for Happy Creek Minerals Ltd. Assessment report #28344
- Blann, D., 2007, Geology and Geochemical Report on the Silverboss property, for Happy Creek Minerals Ltd. Assessment report #28987.
- Campbell, RB, Tipper, HW: 1971: Geology of Bonaparte Lake Area, 92P; GSC Memoir 363.
- Campbell, RB: 1978: Geology of Quesnell Lake Area, 93A, GSC Open File # 574.
- Eastwood, G.E.P., 1964, Boss Mountain, B.C. Department of Mines Annual Report pages 65-80
- Javorsky, D: 1985: Prospecting Report on War Eagle, Golden Cyprus, Jackpot, and Big Chance claims; Assessment report #13,418.
- MacDonald, A.J., Spooner, E.T.C., Lee, G., 1996, The Boss Mountain molybdenum deposit. Central British Columbia, Porphyry Deposits of the Northwestern Cordillera of North America, T.G. Schroeter, Editor, CIM Special Volume 46. Pages 691-696.
- Mark, DG: 1970: Geophysical-Geochemical report for Exeter Mines Ltd; Assessment report # 2785.
- Nielsen, P.P, B.Sc., Guttrath, G.C., P.Eng., 1972, Geophysical Report on the Induced Polarization Survey on the Trooper Claims, for Mr. C. Moore and Partners. Assessment Report #3886.
- Pollmer, A.R., 1976, Assessment Report on Diamond Drilling at Boss Mountain Mine, Noranda Mines Limited, Assessment Report # 6081
- Ridley, DW: 1994: Prospecting Report on Silverboss Group for Pioneer Metals Ltd, Assessment report # 23,677.
- Ridley, DW: 1995: Geological and Geochemical Report on Silverboss Group; Assessment report # 24,208
- Ridley, DW, : 2000: Geological and geochemical Report on Silverboss Group; Assessment. Rpt. # 26,411
- Robertson, W.F., 1918, Annual Report of the Minister of Mines, 1917, British Columbia pages F134-F136.

Sinclair, W.D.. 1995: Porphyry Mo (Low-F-type), in Selected British Columbia Mineral Deposit Profiles, Volume 1 - Metallics and Coal, Lefebure, D.V. and Ray, G.E., Editors, British Columbia Ministry of Energy of Employment and Investment, Open File 1995-20, pages 93-96.

Simpson, JG: 1970: Geophysical and Geochemical Report on J claims; Assessment report # 2934.

Schiarizza P and Boulton A, 2006. Geology of Canim Lake Area. BCGS Open File 2006-8.

Soregaroli, A.E., 1975, Geology and Genesis of the Boss Mountain Molybdenum Deposit, British Columbia, Economic Geology, vol 70, 1975, pg 4-14.

Soregaroli, AE, Nelson, WI: 1976: Boss Mountain Mine in Porphyry Deposits of the Canadian Cordillera; CIMM Special Volume 15 (pgs. 432-443).

White, W. H., Harakal, J.E., and Carter, N.C., 1968, Potassium-argon ages of some ore deposits, in British Columbia; Canadian Institute of Mining Metallurgy. Bulletin, v. 61, pg 1326-1334.

12. 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 between 1991 and 2007.

Dated in Squamish, B.C., May 20, 2008



David E Blann, P.Eng.



Tables

Table 1 - Mineral Tenure

Tenure Number	Claim Name	Mapsheet	Expiry Date	Area (ha)
408035	SB4	093A016	2012/dec/31	500.0
505103	SB5	093A	2010/dec/31	436.8
505116	SB6	093A	2010/dec/31	496.7
517552	SB5	093A	2010/dec/31	238.3
526510	SB	093A	2010/dec/31	1052.2
526513	SB	093A	2010/dec/31	595.9
539433	SB Fraction		2008/dec/31	39.7
552560	SB8	093A	2009/dec/31	456.5
552561	SB10	093A	2009/dec/31	477.0
552562	SB11	093A	2009/dec/31	457.3
552563	SB 12	093A	2009/dec/31	456.7
552564	SB 13	093A	2009/dec/31	496.7
552565	SB 14	093A	2009/dec/31	457.0
552566	SB 15	093A	2009/dec/31	497.0
552567	SB 16	093A	2009/dec/31	477.1
552568	SB 17	093A	2009/dec/31	417.3
552569	SB 18	093A	2009/dec/31	496.5
552570	SB 19	093A	2009/dec/31	357.3
552571	SB 20	093A	2009/dec/31	476.7
552572	SB 21	093A	2009/dec/31	238.5
554084	SB SW	093A	2009/dec/31	158.9
579878	SB22		2009/mar/30	99.3
517036*	BOSS 1	093A	2009/dec/31	19.9
517058*	BOSS 2	093A	2009/dec/31	19.9
531516*	BOSS 3	093A	2009/dec/31	19.9
531517*	BOSS 4	093A	2009/dec/31	19.9
537013*	BOSS 3	093A	2009/dec/31	357.1
537023*	BOSS 4	093A	2009/dec/31	79.4
537030*	BOSS 5	093A	2009/dec/31	178.6
537134*	COPPER STRIKE 3	093A	2009/dec/31	357.2
537164*	BOSS 5	093A	2009/dec/31	19.9
539414*	GUS 2	093A	2009/dec/31	297.6
539415*	BUSTER	093A	2009/dec/31	356.9
552075*	BOSS 7	093A	2009/dec/31	19.9
552100*	B PIT	093A	2008/dec/31	19.9
552474*	GUS	093A	2009/dec/31	258
553516*	GUS 3	093A	2009/dec/31	357.2
554324*	SV 1		2008/dec/31	416.9
554325*	SV 2		2008/dec/31	238.3
Total Area (ha)				12416.0

*Owner John Bot FMC#102844

Table 2 - Rock Sample Descriptions and Assay Results

Sample #	Easting	Northing	Elevation	EPE	Description	Mo	Cu	Pb	Zn	Ag	Fe	As	Au	W
			m	m		ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm
4414	642056	5774624	2034	6	Grab sample; 20cm quartz vein near andesite (320°/-80°); Trace pyrite and chlorite, +/- clay	1	53.2	1.9	12	1.6	0.51	1.1	9.5	0.1
4415	642111	5774618	2025	6	Grab sample; 30cm quartz vein (300°/-70°) near >5cm andesite dyke (340°/90°)	33.9	656.5	1.6	38	7.6	2.78	3.1	60.3	2.7
4416	641862	5774000	2042	8	Grab sample: Quartz vein with magnetite, chalcopyrite, molybdenum, pyrite +/- tungsten?; 1-2cm thickness in fine grained hornblende-biotite-chlorite-sericite-quartz-diorite; Veins crosscutting and trending 080°/-80° cut by 126°/-44°, and 250°/-80° cut by 126°/-44°; 2 to 3 weakly chloritised veins per m	354.8	909.8	5.6	46	6.7	6.93	2.6	15.9	0.8
4417	641947	5773995	2037	8	15cm quartz veins; Silicified shear; Lenses of quartz-pyrite-chalcopyrite; 0.25-1cm fractures trending 240°/-80° also contain quartz-pyrite-chalcopyrite; Epidote-chlorite and tourmaline (5-10 per m); Edge of shear zone	3.2	2314	6.9	65	48	3.8	16.5	3381	1.2
4418	642321	5773690	1886	19	L29E 43+25N; Grab sample; Pyrite and quartz vein with vuggy, dogtoothed quartz and 2-3% pyrite; Host rock is quartz-sericite-pyrite altered fine grained quartz-diorite; Shear 300°	10.9	98.6	12.8	86	1	5.02	11.6	66.2	>100.0
493142	643387	5774446	1798	7	qtz float with cubic py, minor carbonate; @L40E;50+40N	31.8	8.1	4	8	<0.1	1.78	2.5	2.4	>100.0
493456	643374	5774364	1762	9	Outcrop Moly in quartz vein trend 280/45 north	>2000.0	2.9	1.4	11	<0.1	0.76	<0.5	1.1	3.1
493461	641820	5773349	2060	6	1.5m grab; intrusive with epidote-qtz fracture fills; 322/72SW	8.2	85.1	5.6	113	0.3	3.63	3.6	7.7	6.2
493462	641725	5773524	2099	6	1m grab; subcrop; epidote-py fracture fills; 356/88NE	11	75.2	3.9	65	0.3	3.62	2.3	2.7	0.5
493463	641853	5773909	2037	10	grab outcrop; intrusive with mal-cpy-Kspar-qtz fracture fills; 059/82SE	1.5	405	4.3	90	1	3.38	3.4	21.4	1.2
493464	642025	5773888	2028	9	float; qtz with moly	190.5	6.8	1.4	20	<0.1	1.45	<0.5	0.5	1.9
493465	642050	5773890	2038	7	qtz vein 4 cms; vuggy, py; 059/84S	3.2	217.7	30.6	168	>100.0	6.83	279.4	10006	1.2
493479	641258	5773666	2051	5	float; vuggy qtz with mo-py; SE side of lake	390.5	8.9	31.8	10	1.3	0.64	2.4	48.1	0.9
493482	643702	5775385	1655	14	grab outcrop; py-cpy-qtz-epidote veining; 212/62E	3.5	191.3	2.7	45	1.5	3.19	5.6	115	0.8
493483	643744	5775059	1747	8	int float from soil hole @L44E;56+50N; py-cpy on fractures	9	22.5	3.7	30	0.1	2.35	1	3.6	1.3
493484	643534	5775182	1767	9	subcrop? Bottom of soil hole @ L42E;58N; py-ep	3.1	79.9	5.6	68	0.4	4.4	1.7	18.5	3.7
493485	642539	5772232	1917	7	outcrop 1m wide pegmatite with mal-cpy-mo; 324/78	42	1395	4.5	13	1.6	0.41	1.1	13.2	<0.1

Table 3 - Geological Field Notes (D. Blann)

East	North	Elevation (m)	EPE (m)	Description
641835	5773993	2034	6	Horse trail zone; Subcrop quartz vein with chalcopyrite, molybdenum
641881	5774378	2100	6	L25E 50N; Edge of recent volcanics
642367	5774309	2012	6	Subcrop talus; Pyrite disseminated and in fractures; Dykes; Marble-biotite sericite +/- epidote
642393	5774238	2035	6	L30E 48+50N; Soil
642090	5774074	2017	7	3-5m fault zone west of pond trending 230°/50°; Strike >500m; Fine grained hornblende +/- magnetite diorite; Weak plagioclase-porphry alteration; 3 fractures per m trending 320°/60°; chlorite and sericite along fractures
641986	5773989	2027	9	Horse trail main zone; Quartz-pyrite-chalcopyrite +/-tourmaline?; 1 to 2 veins (1-30cm) per m trending 324°/70°; Shear (230°/60°) continues to here from previous station and is cut by mineralised tension gash (324°/70°, 330°/70°); Tension gash to sheeted host rock is fine grained hornblende-magnetite-plagioclase-quartz diorite; Tourmaline-epidote-quartz +/-pyrite and chalcopyrite within 20cm pale green andesite dyke trending 340°/70°; (photo)
641737	5774017	2042	7	Outcrop; 3-5m shear zone (040°/50°) for roughly 500m; Weak sericite alteration; Moderate chlorite-epidote; Fracture sets (130°/50°) have weak chlorite-epidote +/- sericite alteration 1-2mm; 5 fractures per m; Beside pond
				0.5cm quartz epidote veins (5 per m) trending 056°/80° and 2 per m trending 298°/70° cut by are cut by FeOX-pyrite (2 per m) trending 314°/42°; Outcrop is 10m south of L47N 22+50E; Host rock is medium grained hornblende-biotite-granodiorite; Fresh to weak sericite-plagioclase alteration; Fresh to weak chlorite-hornblende-magnetite alteration
641720	5774151	2069	7	Very fine grained andesite dyke trending 330°/55° (50-60cm); Epidote veins crosscut by 2k selvage +/- quartz, trace pyrite and FeOX; Dyke crosscut by epidote-quartz veins (upto 1cm) trending 300°/90° and 060°/80°; 5-8 veins per m 0.25-1cm wide; 25m east to 330 is a 10cm epidote-sericite vein with trace pyrite at 056°/20°; Coarse grained (pegmatic) quartz-Kspar
641768	5774258	2080	8	Fine grained andesite dyke trending 300°/80° (1m wide); Moderate epidote and quartz with 1% pyrite; 30m east to L49N 24+00E at edge of river
641829	5774241	2070	7	Quartz-epidote veins (060°/50°) in 3-5m wide shear zone (>100m strike); 2 veins per m and 0.25-1cm wide; Quartz vein (1cm thick) trending 270°/20°; Fracture occurrence increasing to the south at trends of 230°/80°-90°
641909	5774145	2051	7	60cm feldspar porphyry dyke trending 330°/90°; Trace pyrite with weak magnetite; Crosscut by epidote-chlorite veins; Fractures contain trace epidote-quartz trending 130°/30°-40° (5 per m) and 045°/60° (2 per m)
641902	5774073	2038	7	Sample (05-06) 184316; 15cm quartz vein with chalcopyrite and muscovite; 10m wide shear zone trending 050°/80° to 090°/90°
641962	5773993	2047	7	Moderately magnetic, fine grained andesite dyke (80-90cm) trending 320°/90°; Epidote +/- quartz with 1% pyrite; Dyke cut by fractures trending 040°/90° (3 to 8 per m) 0.25-1cm wide with chlorite-epidote-sericite-quartz with trace pyrite
642000	5773928	2032	10	L26E 45+50N; Rhyolite float
642035	5773931			30-50cm andesite dyke trending 180°/80° cuts fine grained to medium grained hornblende-magnetite-quartz-diorite; Weak chlorite-epidote-sericite; 4cm quartz vein with pyrite trending 100°/10° and 140°/10°; 0.1-1cm fractures contain trace epidote +/- chlorite-sericite (5-10 per m) a trend 020°/90°; Hornblende needle andesite 10cm trending 310°/90°
642037	5773944	2041	10	Black tourmaline trending 050°/40° cut/offset by irregular pyrite-epidote-quartz veins trending 090°/90°; Adjacent epidote-andesite dyke (50cm) trending 310°-320°/80°; Dyke is cut by 3-4m wide shear zone trending 050°/80°; 0.5cm quartz-pyrite +/- chalcopyrite vein trends 070°/80°
642103	5773951	2033	7	Fractures +/- epidote-quartz-pyrite andesite dykes trending 300°/80° at L27E 45+75N; Edge of steep cliff 5 fractures per m (0.1-1cm) trending 050°/80°; Photos of the mine
642250	5773782	1915	10	L28E 44+00N at creek
642517	5773783	1906	18	Hornblende-biotite-quartz-diorite with weak pyrite in fractures
642674	5773768	1813	20	At upper ATV access trail; Moderate fracturing (0.1-1cm) with quartz-sericite-epidote-pyrite; Host rock is hornblende-quartz-diorite

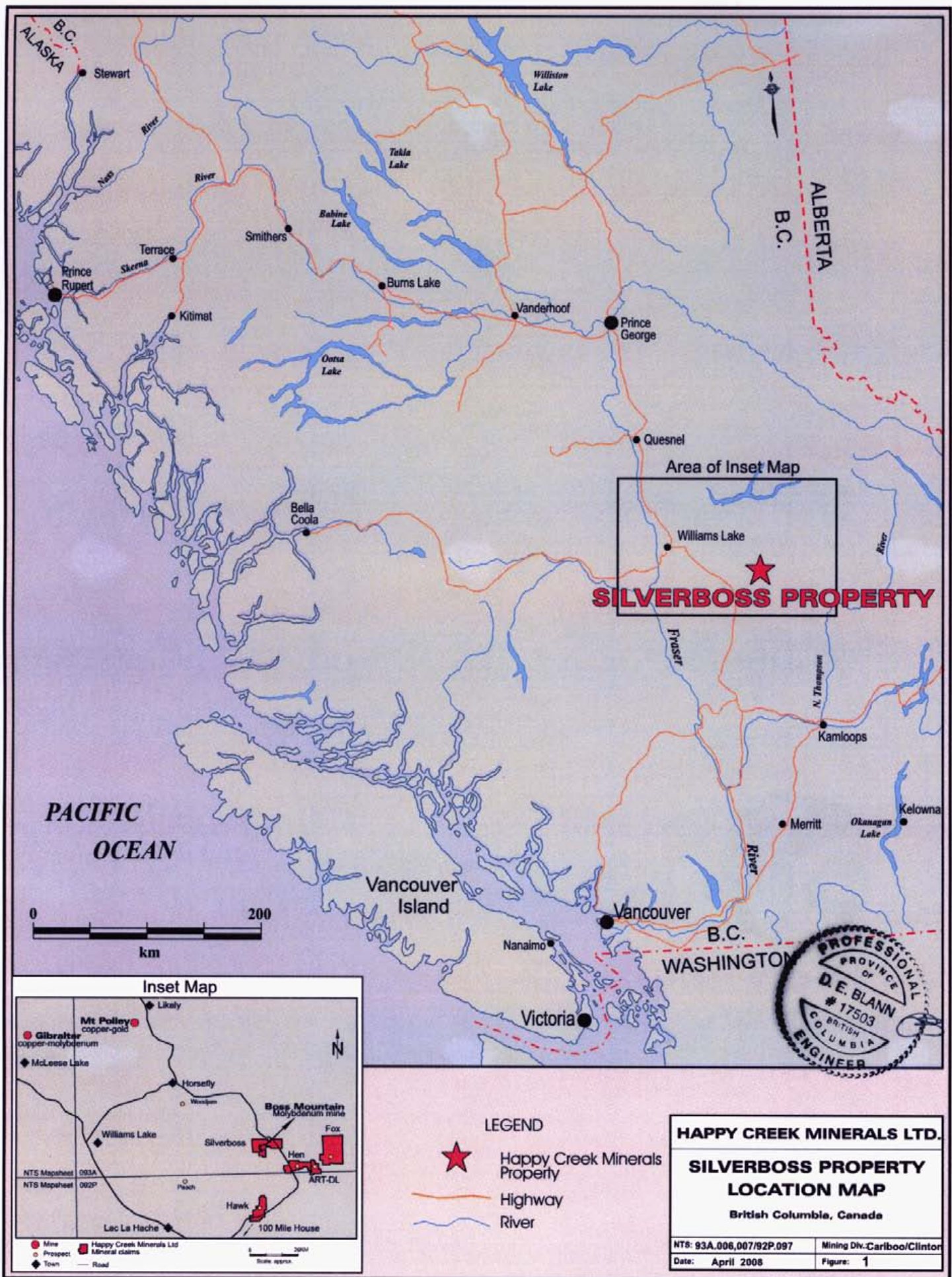
Table 4 - Silt Sample Locations and Results

Sample #	Easting	Northing	Elevation	EPE	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	W
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
HEN07BKS1	654269	5770377	1110	9	0.5	56.2	3.9	44	<.1	43.1	19.1	464	4.99	9.8	0.7	3.1	0.6
HEN07BKS2	654623	5769828	1106	7	0.7	76.6	5.2	50	0.3	55.6	20.2	525	4.62	10.3	0.9	3.8	0.3
HEN07BKS3	654637	5769809	1100	8	0.5	72.2	5.1	46	0.2	51.9	19.4	490	4.50	10.1	0.8	2.6	0.3
HEN07BKS4	654786	5769444	1094	7	0.6	59.0	4.4	42	0.2	54.4	18.9	448	4.49	11.7	0.9	26.6	0.5
HEN07BKS5	654750	5769033	1066	7	0.8	60.5	4.8	45	0.2	51.7	19.6	459	3.56	16.0	0.6	3.4	0.2
HEN07BKS6	654796	5768746	1060	8	0.7	43.1	3.6	53	0.4	42.9	17.6	557	4.16	15.3	0.6	1886	1.0
HEN07BKS11	649900	5764642	1232	8	1.0	65.5	5.7	55	0.1	34.4	17.7	702	3.53	8.3	0.8	2.6	0.3
HEN07BKS12	649840	5765048	1248	8	0.9	50.9	4.0	53	0.1	24.7	14.4	950	2.94	5.2	0.7	1.7	0.2
HEN07BKS13	649648	5765392	1260	8	0.9	42.0	4.2	51	0.2	26.0	12.3	575	2.65	5.0	0.8	1.6	0.2
HEN07BKS14	649601	5765545	1264	8	0.9	60.8	5.5	58	0.3	29.3	17.3	1158	3.00	12.0	1.2	1.6	0.2
HEN07BKS15	649295	5766118	1280	9	2.1	50.4	5.2	47	<.1	28.3	17.7	1014	3.54	11.2	0.8	6.3	0.3
HEN07BKS16	650420	5764010	1215	8	0.7	58.6	6.1	64	0.2	38.2	14.1	464	2.96	8.1	0.7	1.8	0.2
HEN07BKS17	650976	5771462	1180	5	0.5	48.7	4.7	57	0.2	96.0	22.4	604	3.29	11.5	0.6	2.5	0.1
HEN07BKS18	650913	5771852	1170	7	0.6	56.2	5.0	64	0.1	105.9	30.3	1353	3.43	16.1	0.5	3.6	0.3
HEN07BKS19	650925	5772089	1160	7	0.7	58.4	5.2	58	0.2	141.2	23.9	498	3.20	9.2	0.7	3.8	0.2
HEN07BKS20	650938	5772220	1146	7	0.6	34.0	3.5	48	<.1	57.7	15.7	495	2.99	7.5	0.5	171.9	0.2
HEN07BKS21	650825	5772565	1134	7	1.2	41.8	4.7	64	0.2	52.9	17.4	615	3.45	10.6	0.7	28.8	0.3
HEN07BKS22	650828	5772864	1126	7	0.8	48.8	5.6	84	0.1	52.1	18.3	648	3.54	10.2	0.7	2.1	0.2
HEN07BKS23	652477	5772766	1077	10	1.0	23.7	3.3	41	<.1	28.6	7.9	219	1.46	3.3	1.3	1.4	1.9
HEN07BKS24	652989	5772115	1097	9	0.6	41.5	3.5	52	0.1	35.0	14.5	439	3.71	5.2	1.0	2.5	0.9
HEN07BKS25	653661	5771236	1094	8	0.6	50.4	3.5	43	0.1	30.2	12.0	340	2.94	7.0	1.2	2.3	0.6
HEN07BKS26	653833	5770820	1072	8	0.4	40.8	3.6	42	<.1	38.1	15.3	341	4.93	8.5	0.7	36	0.8
HEN07BKS27	651961	5769035	1200	7	0.9	49.4	5.8	67	0.2	51.4	17.5	991	2.97	24.1	0.8	3.3	0.2
HEN07BKS28	651854	5769259	1200	9	0.5	53.8	4.8	52	0.2	44.8	13.1	360	2.23	13.8	0.5	9.6	0.2
HEN07BKS29	651713	5769426	1199	8	0.7	85.2	6.3	83	0.2	87.7	18.2	584	3.19	20.6	0.6	6.4	0.1
HEN07BKS30	651584	5769618	1183	9	0.6	68.6	5.4	61	0.2	73.6	19.0	544	2.77	17.3	0.5	3.2	0.1
HEN07BKS31	651475	5769792	1187	9	0.8	100.9	7.8	88	0.5	94.4	22.8	681	4.07	24.7	1.0	35.2	0.5
HEN07BKS32	651355	5769954	1208	9	0.5	94.3	5.3	58	0.2	137.1	21.4	531	3.40	18.3	0.6	3.4	0.2
HEN07BKS33	651149	5770539	1201	9	0.7	57.5	6.2	60	0.2	48.8	17.8	560	3.51	20.1	0.7	3.4	0.3
HEN07BKS34	651116	5770847	1194	8	0.7	41.6	4.6	44	0.2	41.1	15.0	889	2.63	16.3	0.6	1.9	0.3
HEN07BKS35	648551	5767411	1326	8	0.6	81.2	6.3	66	<.1	44.5	18.5	668	3.64	14.9	0.7	3.5	0.3
HEN07BKS36	648385	5767721	1320	8	1.2	55.4	4.9	56	0.2	33.8	17.7	1188	3.40	10.8	0.8	3.1	0.2
HEN07BKS37	648324	5768081	1341	9	1.3	48.1	4.2	44	0.1	25.5	15.1	975	3.78	4.4	0.6	1.8	0.2
HEN07BKS38	647999	5769726	1403	14	1.0	51.4	5.8	55	0.1	29.0	19.4	871	4.08	9.9	0.8	1.9	0.3
HEN07BKS39	647999	5769823	1413	10	1.8	30.7	3.1	30	<.1	19.2	13.1	936	3.94	3.8	0.6	1.1	0.1
HEN07BKS40	656248	5773704	1514	7	0.8	75.0	5.9	86	0.4	48.4	24.0	959	4.36	6.9	0.9	1039	0.2
HEN07BKS41	656002	5774323	1421	7	1.0	71.1	4.9	84	0.1	59.7	22.0	757	3.71	7.9	0.6	110.2	0.2
HEN07BKS42	655808	5774460	1391	7	1.0	72.5	4.9	80	0.2	57.6	22.3	818	3.81	7.0	0.7	14.7	0.2
HEN07BKS43	654899	5774898	1341	7	1.1	66.7	5.4	83	0.2	51.1	21.9	756	3.91	7.4	0.7	528.4	0.2
HEN07BKS44	654769	5774988	1338	7	1.2	60.5	5.1	80	0.1	45.9	19.8	823	3.60	6.1	0.6	6.9	0.2
HEN07BKS45	654286	5775340	1302	5	1.0	64.1	5.4	78	<.1	53.5	24.2	874	3.86	8.3	0.6	3	0.2

Table 4 - Silt Sample Locations and Results

Sample #	Easting	Northing	Elevation	EPE	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	W
			m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm
HEN07BKS46	650839	5770497	1236	9	1.1	62.0	8.8	69	0.1	77.4	22.2	655	3.78	17.4	0.7	3.5	0.3
HEN07BKS47	650849	5770725	1219	8	1.0	64.7	9.9	71	0.1	91.2	23.5	673	3.96	14.8	0.6	2.5	0.2
HEN07BKS48	650662	5771454	1204	9	2.2	61.4	9.6	69	0.2	90.6	23.6	705	3.89	18.4	0.7	6.2	0.3
HEN07BKS49	650504	5771634	1211	8	0.9	65.7	10.3	69	0.1	92.0	24.2	704	3.71	18.2	0.6	2.8	0.2
HEN07BKS50	650266	5772364	1210	7	2.7	66.9	8.9	73	0.1	120.7	27.3	803	3.99	18.1	0.7	3.2	0.2
HEN07BKS51	650182	5772725	1202	7	0.7	59.3	7.8	59	0.2	78.7	22.2	630	3.57	16.2	0.7	57.4	0.2
SB07BKS-1	638676	5774464	1835	7	0.4	20.6	4.6	28	<0.1	7.7	5.3	276	1.21	1.6	0.8	1.2	0.3
SB07BKS-2	638719	5774371	1844	7	0.8	21.7	6.0	35	0.1	8.7	6.7	289	1.52	2.3	1.0	157.7	0.7
SB07BKS-3	638716	5774336	1842	7	2.1	20.0	6.8	31	<0.1	7.5	10.5	1663	3.14	4.5	0.8	1.7	0.5
SB07BKS-4	639244	5774302	1901	6	1.7	33.0	6.2	64	0.2	23.3	9.3	608	2.34	2.8	1.3	1.2	0.3
SB07BKS-5	639405	5774151	1912	7	1.0	23.7	6.5	58	0.2	11.8	8.2	637	1.97	2.2	0.8	1.2	0.4
SB07BKS-6	639847	5773856	1940	7	3.5	47.2	8.5	91	0.1	33.9	16.1	1340	3.15	4.0	4.4	1	0.2
SB07BKS-7	643729	5775382	1665	12	54.0	48.1	5.5	66	0.5	20.0	14.8	798	4.52	3.0	0.8	2.9	17.3
SB07BKS-8	643735	5775124	1744	9	84.9	37.2	6.4	47	0.3	17.2	10.5	599	2.83	2.5	0.6	2	6.7
SB07TRS-1	641722	5778018	1720	8	1.0	25.4	5.1	43	0.4	10.1	7.5	309	1.95	1.9	0.9	2.2	0.6
SB07TRS-2	643676	5774511	1667	6	33.4	426.9	5.5	92	0.3	29.1	11.4	604	4.03	2.5	3.8	2	20.2
SB07TRS-3	643788	5774597	1668	9	35.5	44.5	3.6	40	0.2	10.9	7.2	305	2.66	1.3	1.0	1.8	26.8
SB07TRS-4	643890	5774649	1654	6	24.5	40.8	3.3	38	0.2	11.2	8.1	351	3.84	1.5	0.9	1.2	32.3
SB07TRS-5	643955	5774695	1641	7	22.8	41.6	3.6	33	0.2	12.3	7.6	441	3.21	1.6	1.0	2.1	22.2
SB07TRS-6	643374	5774364	1762	9	115.3	234.6	9.8	65	0.4	14.1	15.3	396	4.01	2.1	2.3	26.7	29.8
SB07TRS-7	643287	5772530	1966	7	6.3	33.7	12.5	122	0.4	14.3	10.0	1136	2.56	3.8	1.2	1.1	3.7

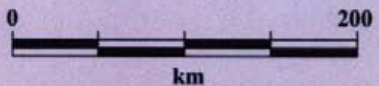
Figures



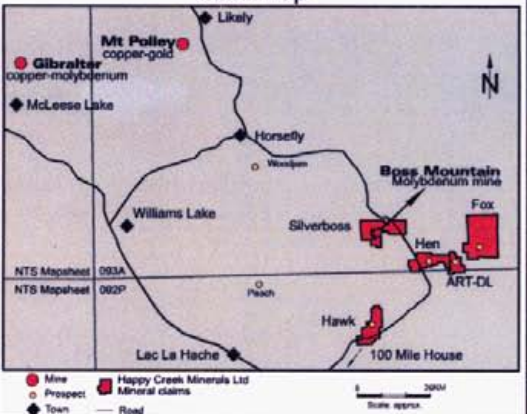
ALASKA

B.C. ALBERTA

PACIFIC OCEAN



Inset Map

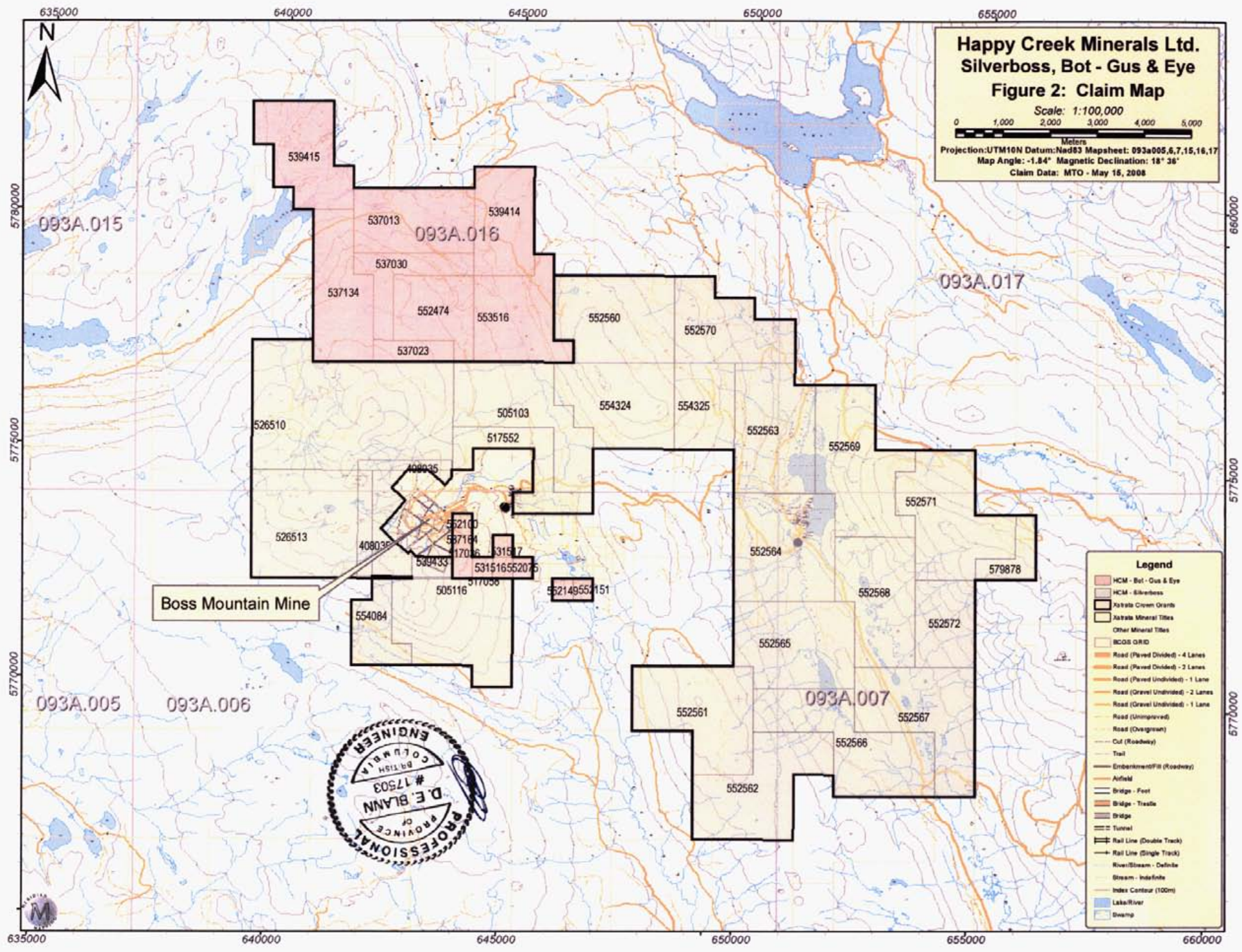


LEGEND

- Happy Creek Minerals Property
- Highway
- River

HAPPY CREEK MINERALS LTD.
SILVERBOSS PROPERTY
LOCATION MAP
 British Columbia, Canada

NTS: 93A.006,007/92P.097	Mining Div.-Cariboo/Clinton
Date: April 2008	Figure: 1

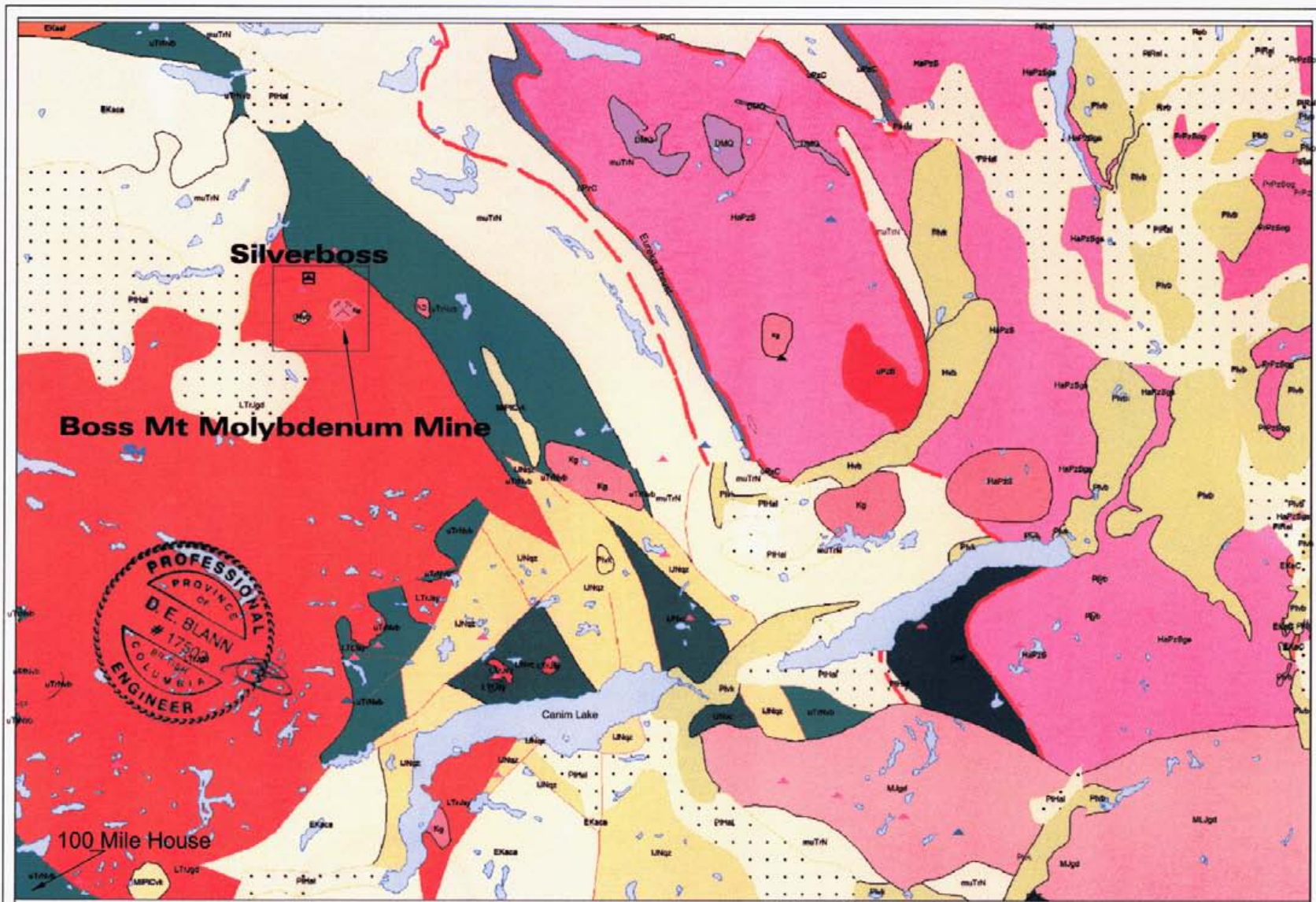


Happy Creek Minerals Ltd.
Silverboss, Bot - Gus & Eye
Figure 2: Claim Map
 Scale: 1:100,000
 Projection: UTM10N Datum: Nad83 Mapsheet: 093a005,6,7,15,16,17
 Map Angle: -1.84° Magnetic Declination: 18° 36'
 Claim Data: MTO - May 16, 2008

- Legend**
- HCM - Bot - Gus & Eye
 - HCM - Silverboss
 - Xstrata Crown Grants
 - Xstrata Mineral Titles
 - Other Mineral Titles
 - BCOS GRID
 - Road (Paved Divided) - 4 Lanes
 - Road (Paved Divided) - 2 Lanes
 - Road (Paved Undivided) - 1 Lane
 - Road (Gravel Undivided) - 1 Lane
 - Road (Gravel Undivided) - 2 Lanes
 - Road (Gravel Undivided) - 1 Lane
 - Road (Unimproved)
 - Road (Overgrown)
 - Cut (Roadway)
 - Trail
 - Embankment/Fill (Roadway)
 - Afted
 - Bridge - Foot
 - Bridge - Trestle
 - Bridge
 - Tunnel
 - Rail Line (Double Track)
 - Rail Line (Single Track)
 - River/Stream - Definite
 - Stream - Indefinite
 - Index Contour (100m)
 - Lake/River
 - Swamp



Boss Mountain Mine



Geology Legend

- LH25a Pleistocene to Holocene Glacial Till, Alluvium
- H25 Holocene Basaltic Volcanic Rocks
- E25a Eocene Kamloops Group Calcalkaline Volcanic Rocks
- P25b Pleistocene Basaltic Volcanic Rocks
- P25a Pleistocene Alkaline Volcanic Rocks

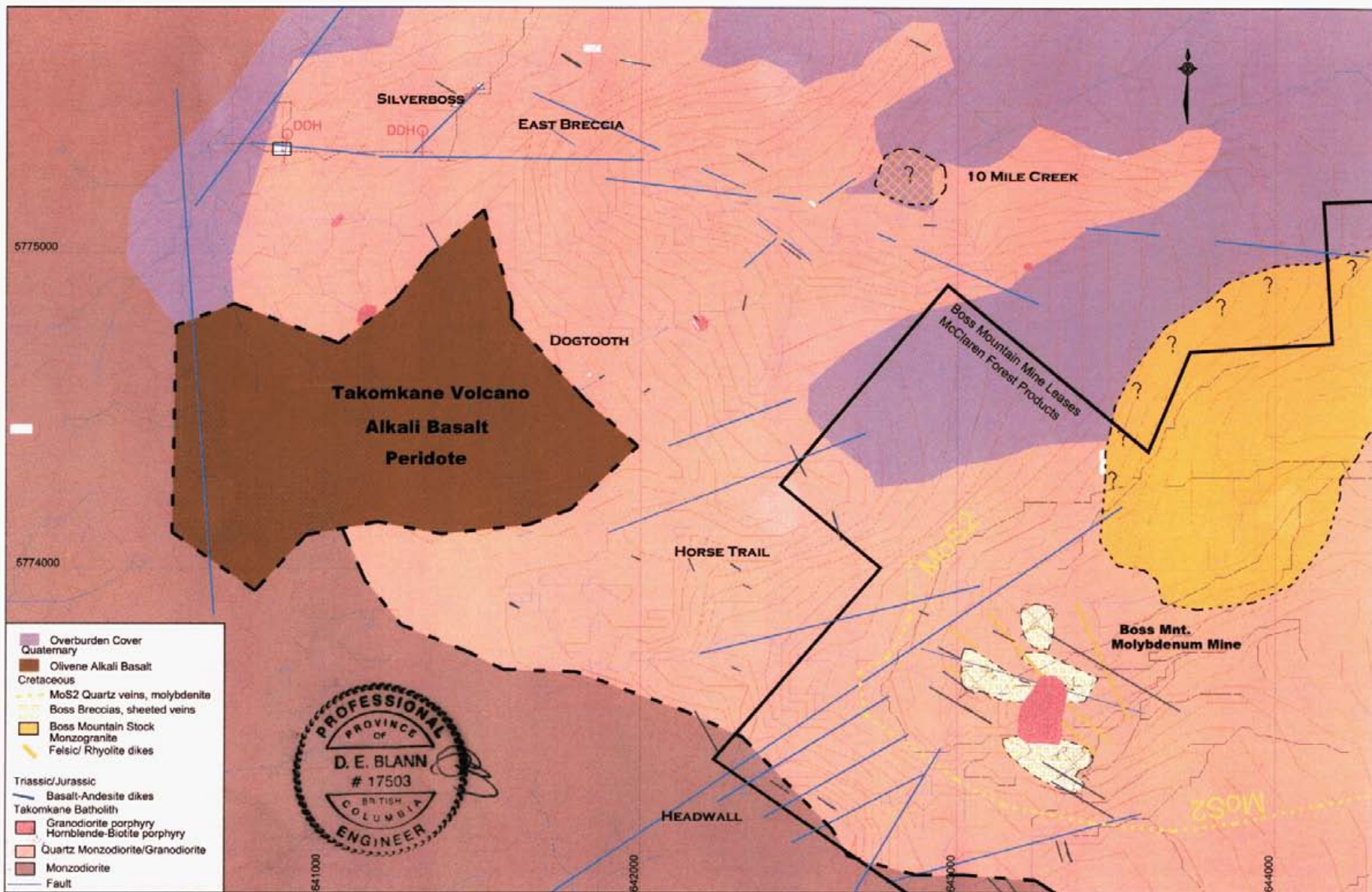
- LJ25c Lower Jurassic Nicola Group Volcaniclastics
- LJ25g Lower Jurassic Nicola Group Quartzite, Quartz arenite sedimentary Rocks
- MUTN Middle-Upper Triassic Basal black phyllite, minor volcanic rocks
- UJ25d Upper Triassic Nicola Group Basaltic Volcanic Rocks
- UP25 Upper Paleozoic Black Riders Mafic Ultramafic Complex
- D25 Devonian to Permian Ferns Formation Basaltic Volcanic Rocks
- H25g Hadrianian to Paleozoic Snowshoe Group Greenstone, Greenschist, Metamorphic Rocks
- H25c Hadrianian to Paleozoic Snowshoe Group Undivided

- K25 Cretaceous undivided intrusive rocks
- M25d Middle Jurassic Granodiorite Intrusive Rocks
- LJ25e Late Triassic-Early Jurassic Granodiorite
- LJ25f Late Triassic-Early Jurassic syenite, monzonite
- Fault
- Thrust Fault



HAPPY CREEK MINERALS LTD.
SILVERBOSS PROPERTY
CARIBOO PROJECT AREA
REGIONAL GEOLOGY
 Carim Lake Area
 British Columbia, Canada

LTN Zone 10	MAD 83	WTS. DEPT. 0004	10
By: D. BLANN, P. Eng.		DATE: May 2008	3



- Overburden Cover
- Quaternary
- Olivine Alkali Basalt
- Cretaceous
- MoS₂ Quartz veins, molybdenite
- Boss Breccias, sheeted veins
- Boss Mountain Stock
- Monzogranite
- Felsic/Rhyolite dikes
- Triassic/Jurassic
- Basalt-Andesite dikes
- Takomkane Batholith
- Granodiorite porphyry
- Hornblende-Biotite porphyry
- Quartz Monzodiorite/Granodiorite
- Monzodiorite
- Fault



DDHQ Diamond Drill Hole Location

HORSE TRAIL Local Mineralized Zone Name

HAPPY CREEK MINERALS LTD.
SILVERBOSS PROPERTY
Cariboo Mining Division
British Columbia, Canada
Property Geology

Mine Geology after Scroggok, 1976

Drawn: J.M. Jones 18-NOV-83	DATE: 05/04/87	PG: 4
By: D. Blann, P. Eng.	DATE: May 2008	



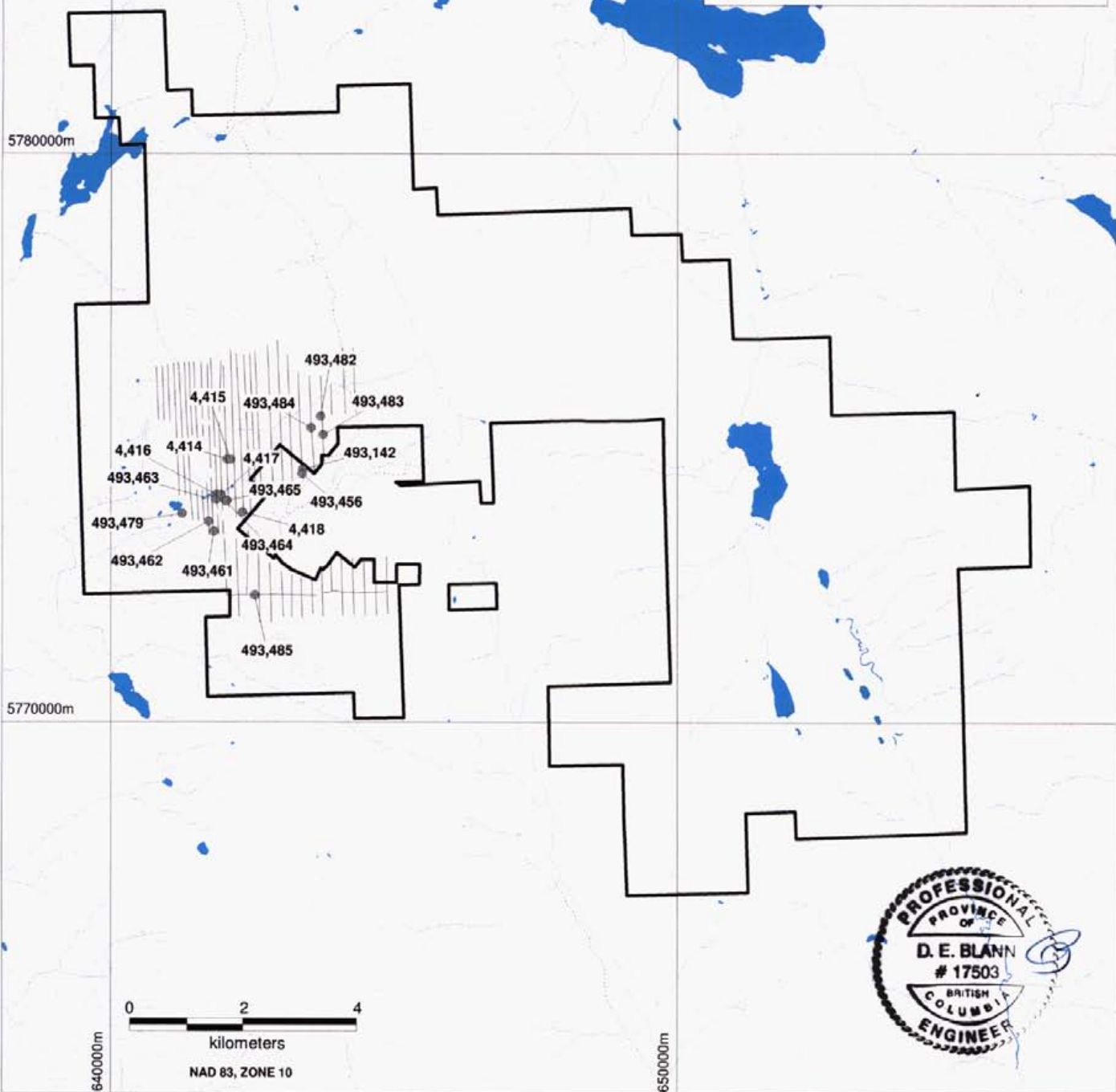
Happy Creek Minerals Ltd.

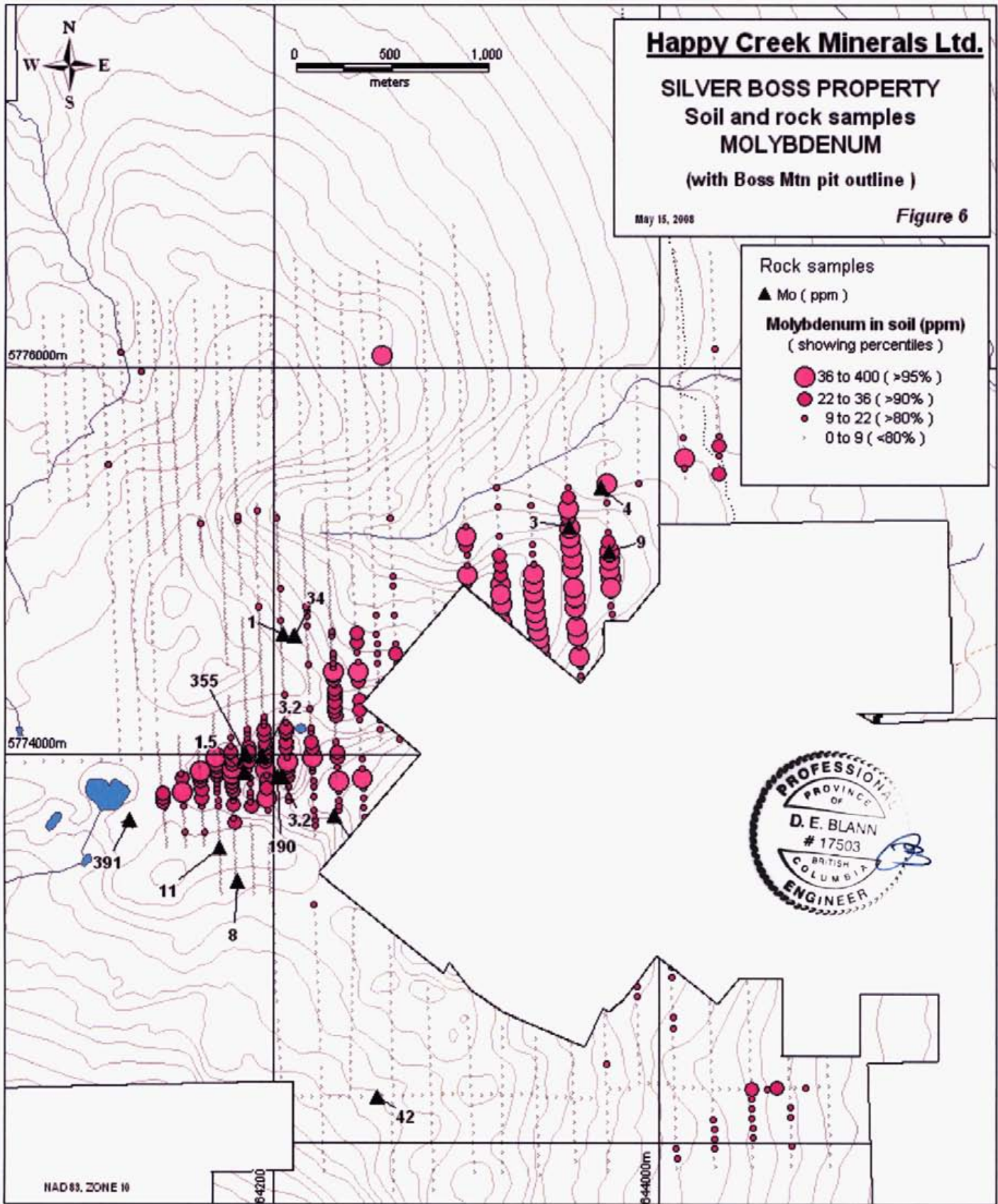
SILVER BOSS PROPERTY
Rock sample
number and location

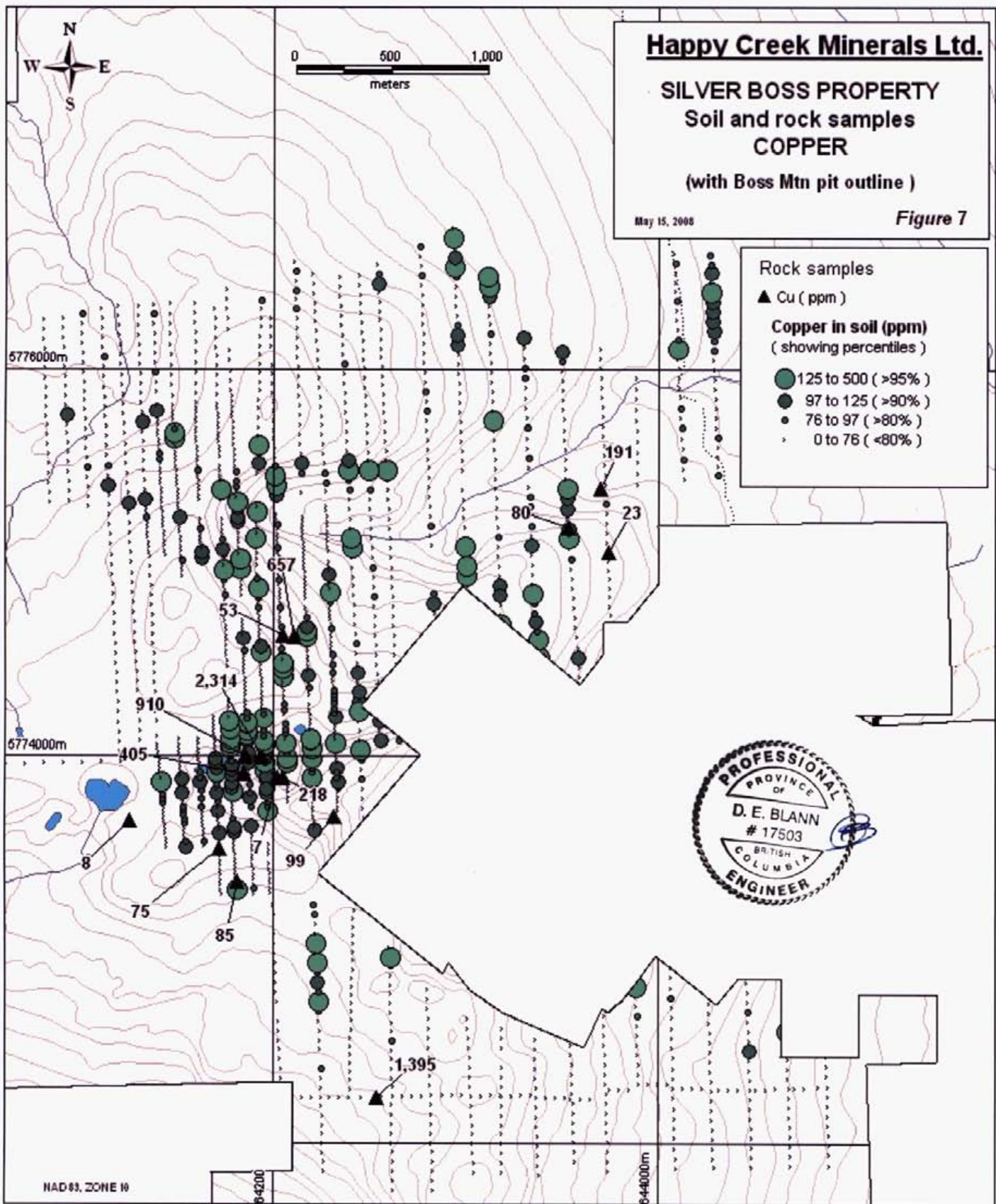
(with soil grid location)

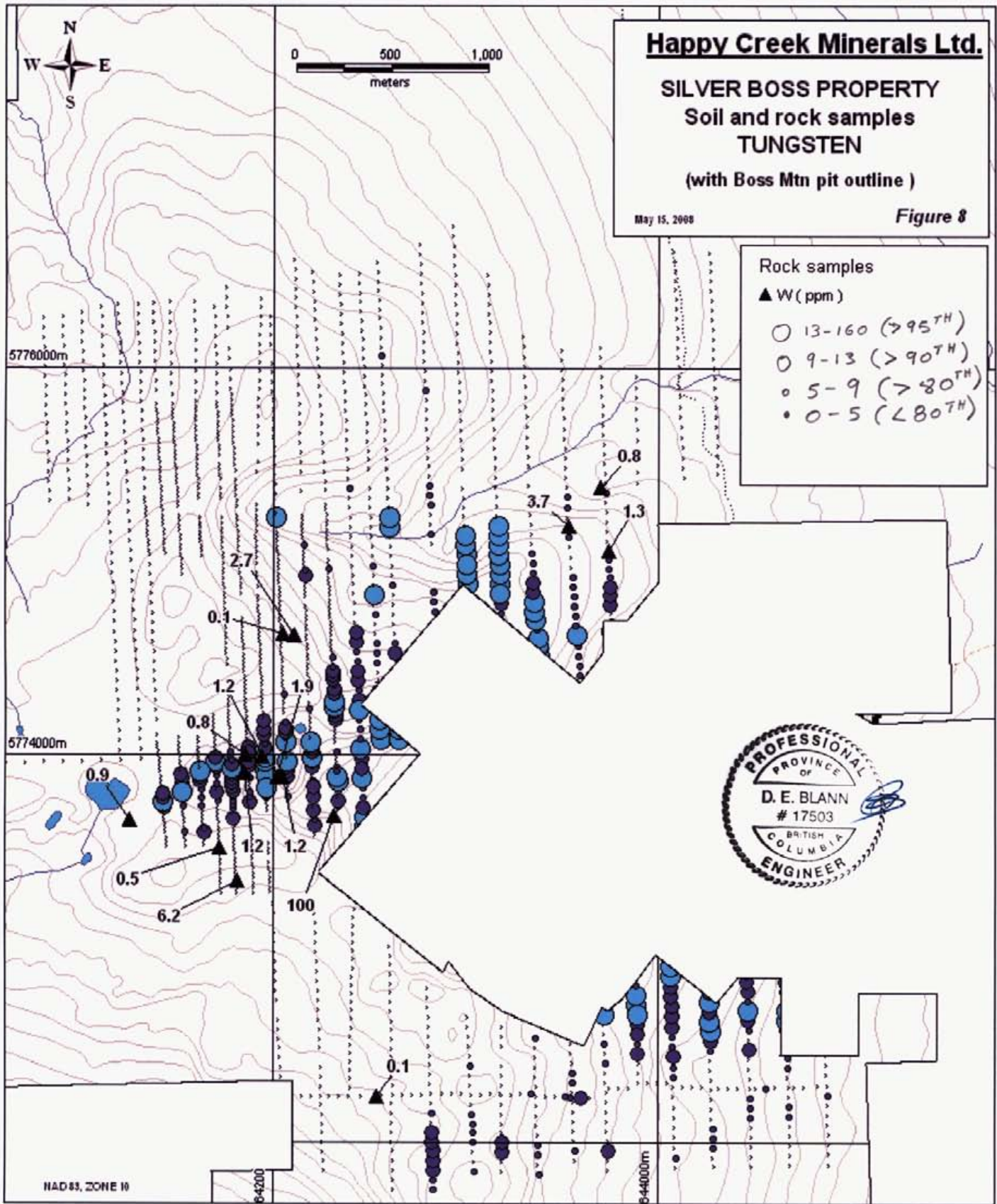
May 15, 2008

Figure 5









Happy Creek Minerals Ltd.

SILVER BOSS PROPERTY Soil and rock samples GOLD

(with Boss Mtn pit outline)

May 15, 2008

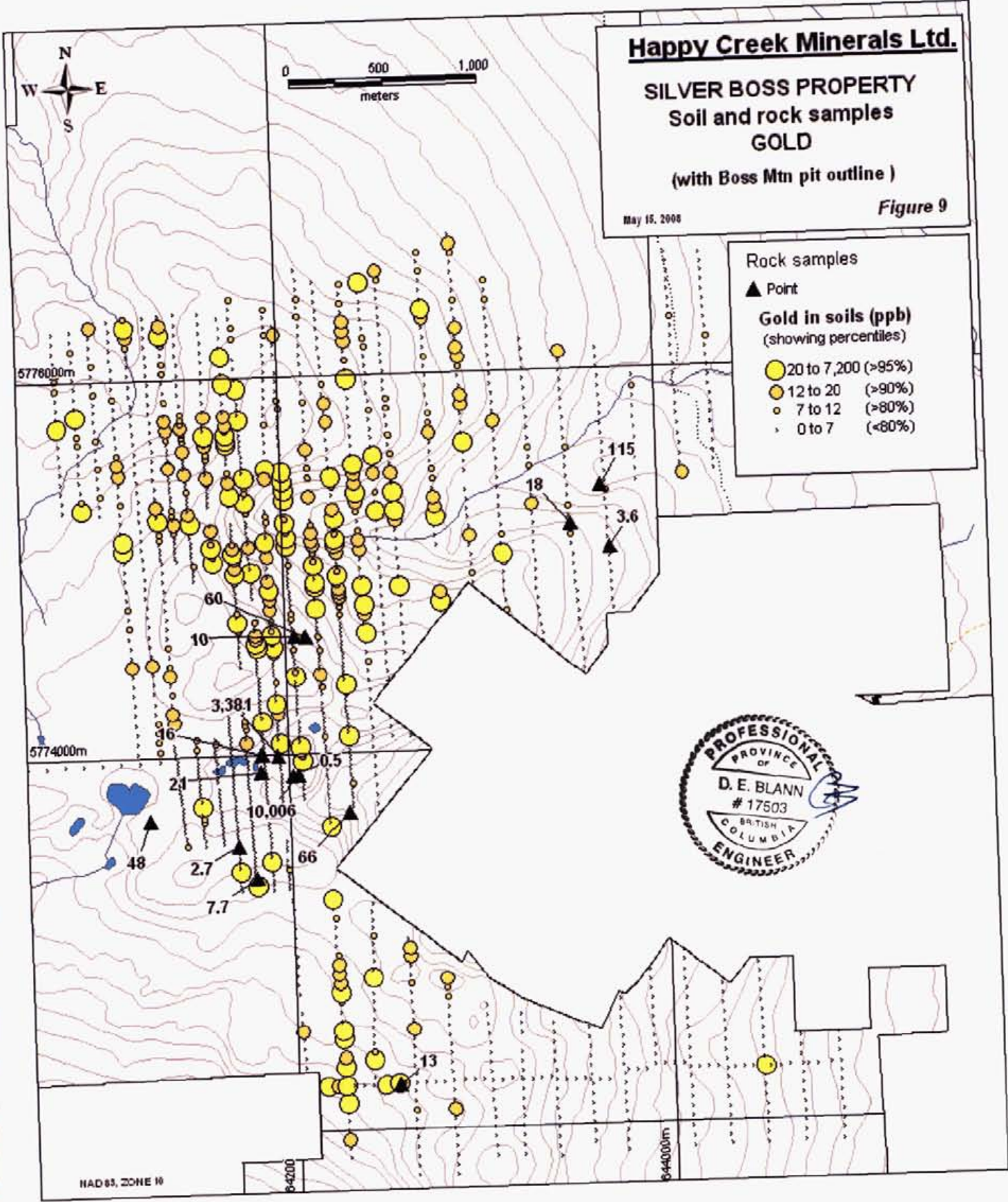
Figure 9

Rock samples

▲ Point

Gold in soils (ppb)
(showing percentiles)

- 20 to 7,200 (>95%)
- 12 to 20 (>90%)
- 7 to 12 (>80%)
- 0 to 7 (<80%)



NAD 83, ZONE 10



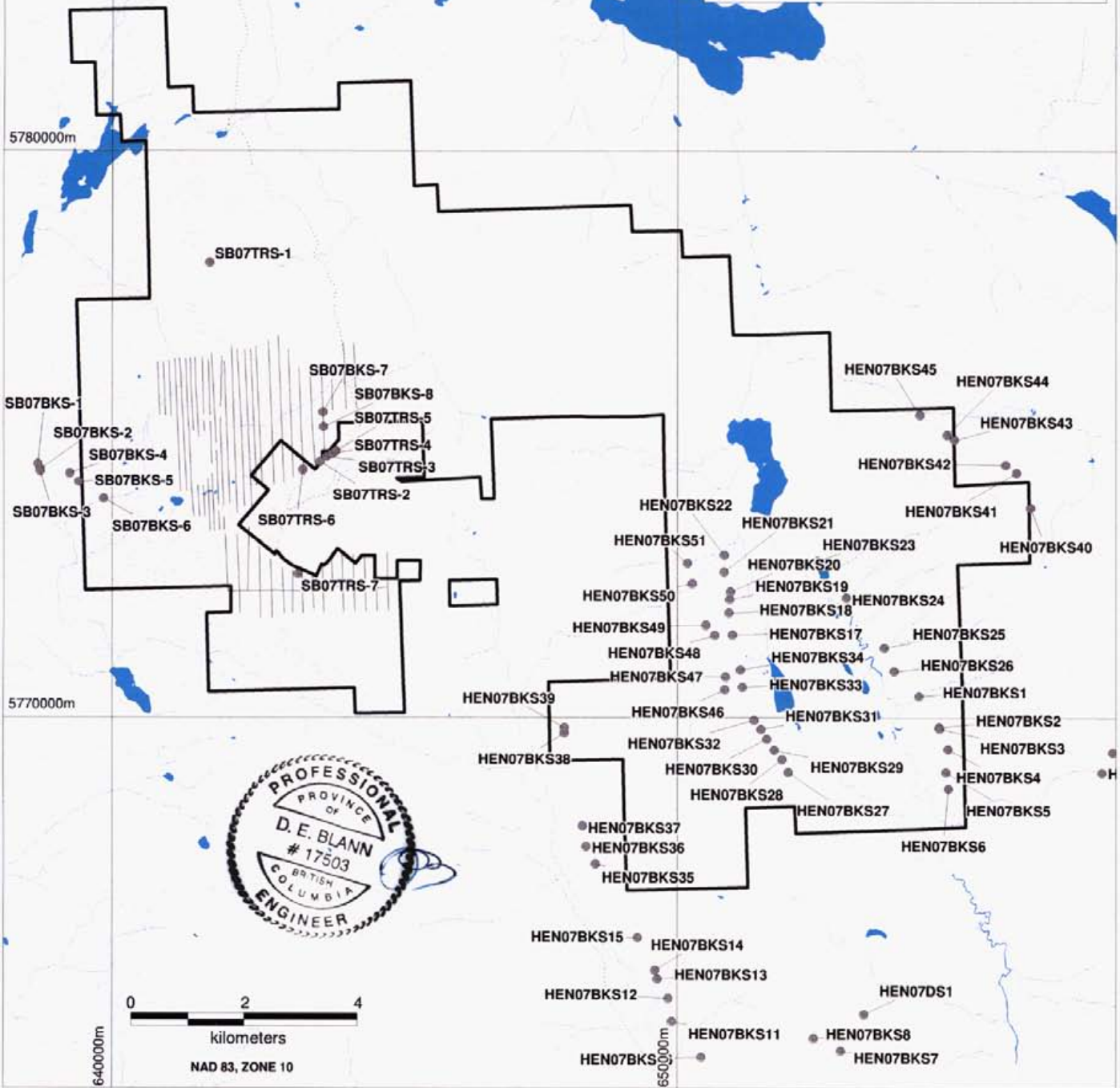
Happy Creek Minerals Ltd.

SILVER BOSS PROPERTY Stream sediment sample number and location

(with soil grid location)

May 15, 2008

Figure 10





Happy Creek Minerals Ltd.

SILVER BOSS PROPERTY
Stream sediment sample
MOLYBDENUM

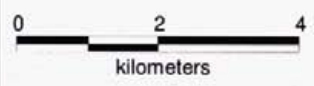
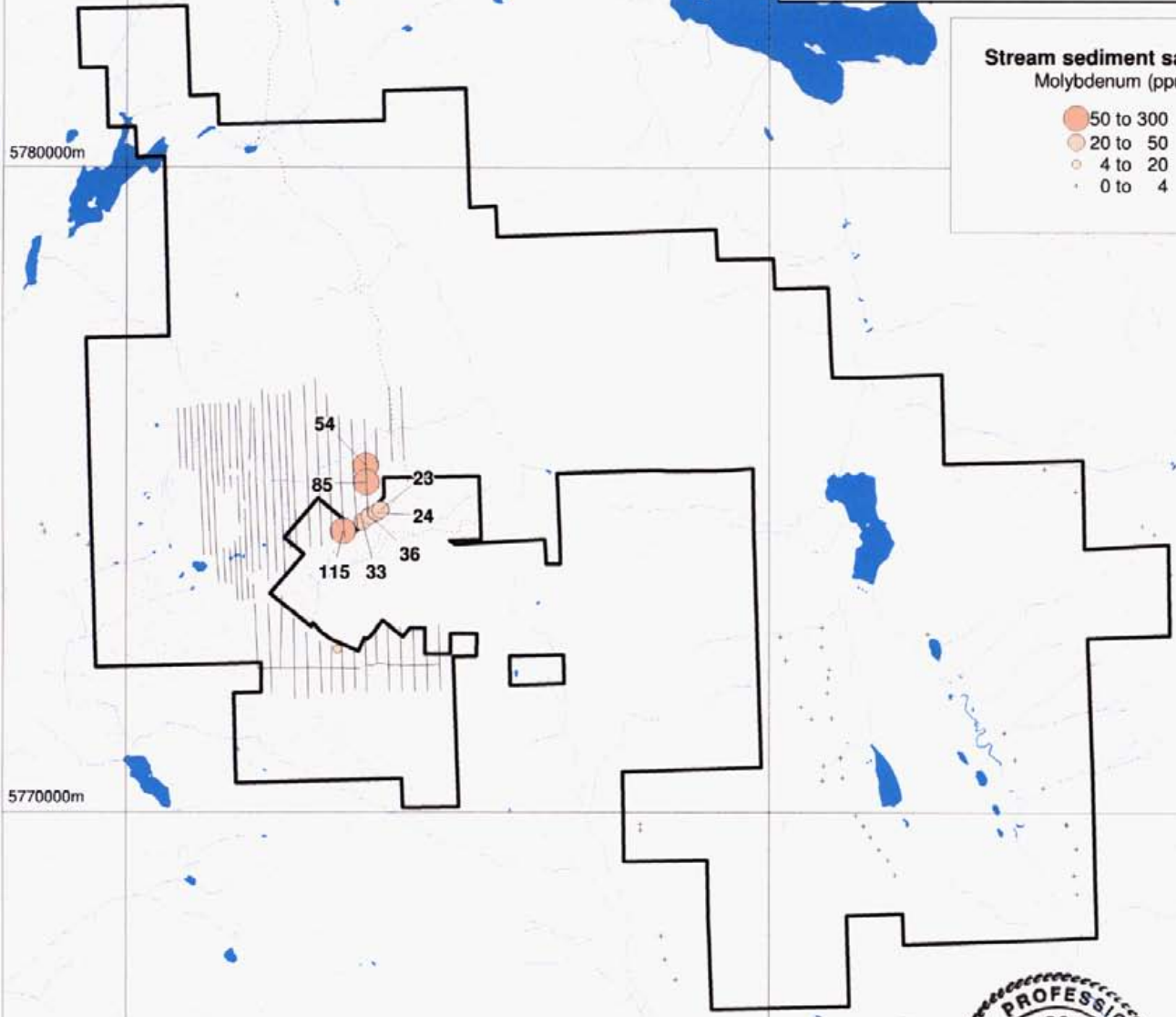
(with soil grid location)

May 15, 2008

Figure 11

Stream sediment samples
Molybdenum (ppm)

- 50 to 300
- 20 to 50
- 4 to 20
- 0 to 4



NAD 83, ZONE 10





Happy Creek Minerals Ltd.

SILVER BOSS PROPERTY
Stream sediment sample
COPPER

(with soil grid location)

May 15, 2008

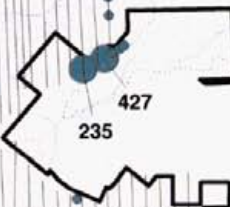
Figure 12

Stream sediment samples
Copper (ppm)

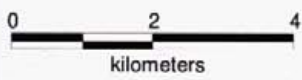
- 100 to 430
- 60 to 100
- 30 to 60
- 0 to 30

5780000m

5770000m



100



6400000m

NAD 83, ZONE 10

6500000m





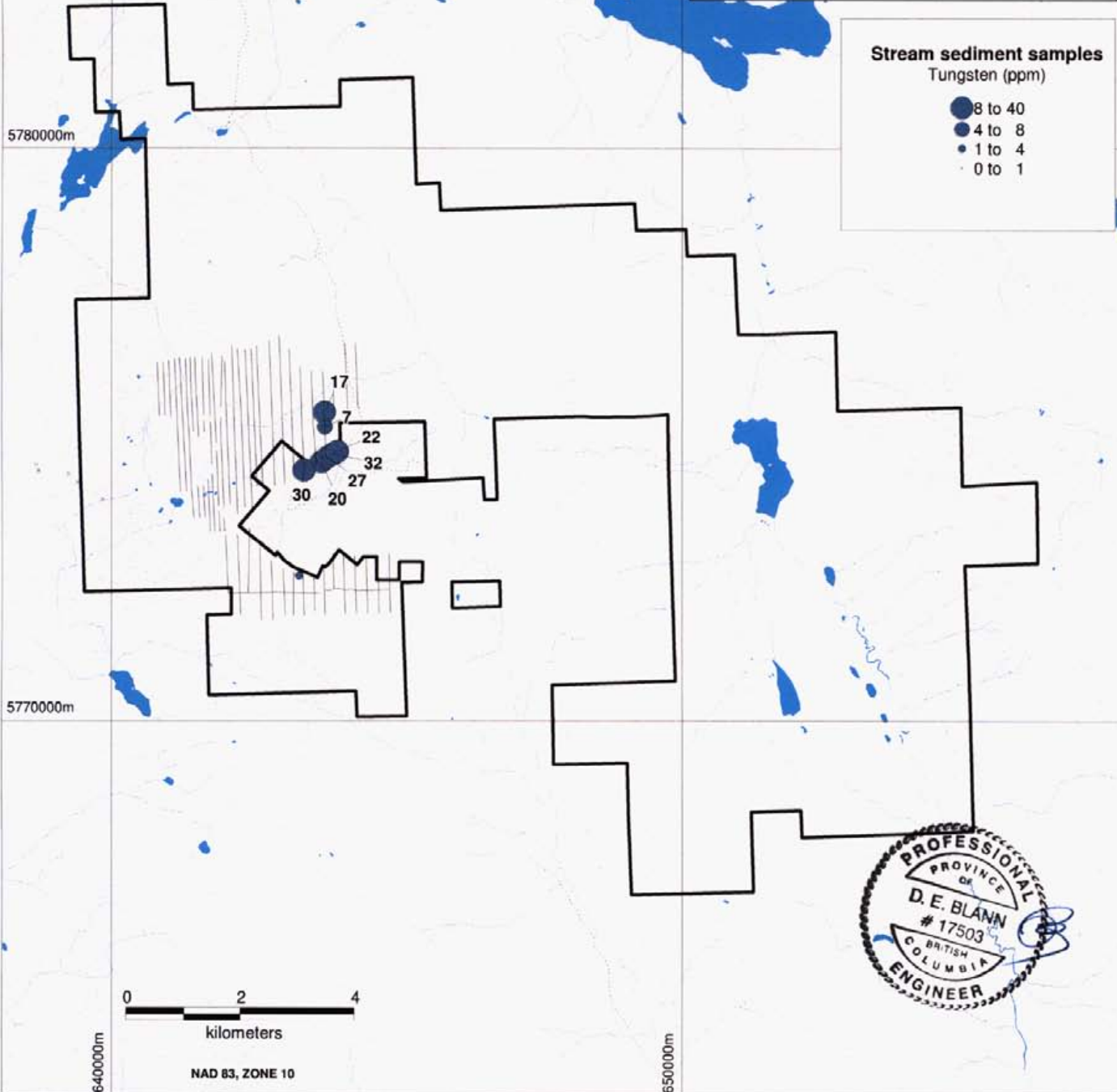
Happy Creek Minerals Ltd.

SILVER BOSS PROPERTY
Stream sediment sample
TUNGSTEN

(with soil grid location)

May 15, 2008

Figure 13





Happy Creek Minerals Ltd.

SILVER BOSS PROPERTY Stream sediment sample GOLD

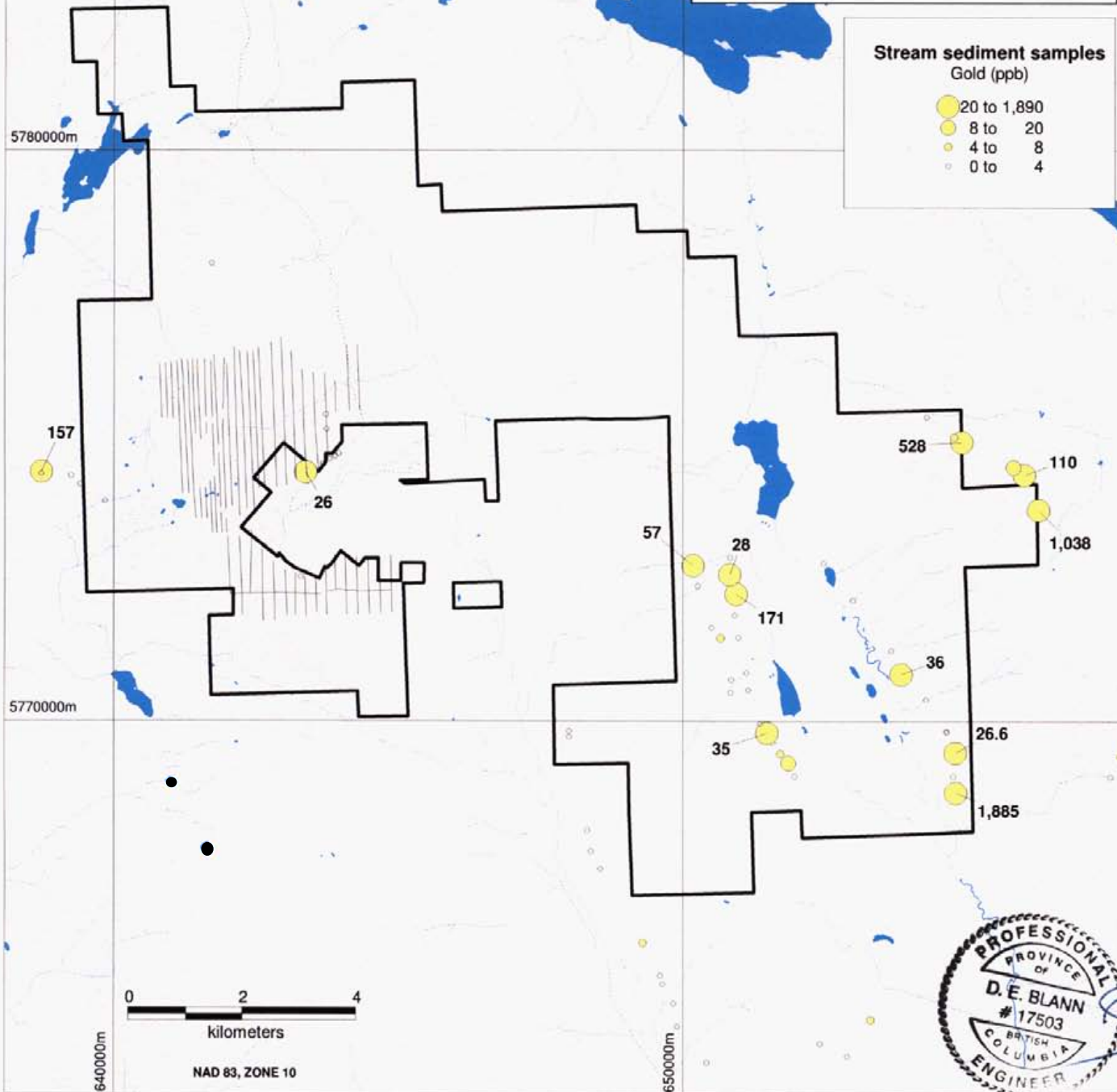
(with soil grid location)

May 15, 2008

Figure 14

Stream sediment samples Gold (ppb)

- 20 to 1,890
- 8 to 20
- 4 to 8
- 0 to 4



Appendix 1

Assay Certificates



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

www.acmelab.com

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

Project: **Hawk**
 Report Date: **May 14, 2008**

Page: 2 of 2 Part 1

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	0.8	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	280	5.02	11.6	0.5	86.2	1.1	32	1.7	0.3	6.8	64	0.90
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
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
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

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.

CERTIFICATE OF ANALYSIS

VAN08005744.1

Method	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	10X	
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	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	3.48	6	0.6
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
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
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



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB

Report Date: March 01, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN08003900.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
493142	Rock		31.8	8.1	4.0	8	<0.1	3.7	1.9	163	1.78	2.5	<0.1	2.4	0.2	3	<0.1	<0.1	0.3	4	0.10	0.009
493456	Rock		>2000	2.9	1.4	11	<0.1	2.1	2.1	145	0.76	<0.5	0.3	1.1	0.5	20	2.6	<0.1	<0.1	21	0.19	0.018
493461	Rock		8.2	85.1	5.6	113	0.3	4.2	19.5	1059	3.63	3.6	0.9	7.7	1.8	40	0.3	0.8	<0.1	101	0.98	0.107
493462	Rock		11.0	75.2	3.9	65	0.3	3.0	14.5	635	3.62	2.3	0.4	2.7	0.8	56	0.2	0.8	<0.1	132	1.09	0.113
493463	Rock		1.5	405.0	4.3	90	1.0	2.8	20.3	1086	3.38	3.4	0.6	21.4	1.0	55	0.2	0.5	<0.1	101	2.05	0.099
493464	Rock		190.5	6.8	1.4	20	<0.1	1.9	3.8	290	1.45	<0.5	0.5	0.5	0.9	14	0.2	0.1	<0.1	45	0.29	0.034
493465	Rock		3.2	217.7	30.6	168	>100	1.3	2.3	59	6.83	279.4	<0.1	10006	0.4	48	0.3	1.8	32.2	21	0.03	0.033
493479	Rock		390.5	8.9	31.8	10	1.3	1.3	0.5	41	0.64	2.4	<0.1	48.1	<0.1	1	0.3	0.2	6.2	<2	<0.01	0.003
493482	Rock		3.5	191.3	2.7	45	1.5	7.8	9.7	508	3.19	5.6	1.4	115.0	2.5	30	0.1	0.4	0.7	100	0.80	0.100
493483	Rock		9.0	22.5	3.7	30	0.1	2.4	8.0	372	2.35	1.0	1.0	3.6	2.2	34	<0.1	0.1	0.3	63	0.63	0.069
493484	Rock		3.1	79.9	5.8	68	0.4	4.0	24.1	615	4.40	1.7	0.1	18.5	0.2	81	0.3	0.2	2.4	110	1.87	0.116
493485	Rock		42.0	1395	4.5	13	1.6	1.5	0.9	357	0.41	1.1	0.7	13.2	1.5	66	0.4	0.2	<0.1	2	1.64	0.005

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB

Report Date: March 01, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN08003900.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Tl	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	0.05	1	0.5	
493142	Rock	<1	10	0.02	14	0.002	1	0.18	0.015	0.06	>100	<0.01	0.4	<0.1	0.17	<1	<0.5
493456	Rock	1	10	0.24	132	0.043	<1	0.43	0.029	0.14	3.1	<0.01	1.7	0.1	0.19	1	1.1
493461	Rock	4	5	1.32	122	0.186	4	2.10	0.066	0.36	6.2	<0.01	4.1	0.3	<0.05	6	<0.5
493462	Rock	4	6	1.04	211	0.177	3	1.74	0.107	0.23	0.5	<0.01	1.9	<0.1	<0.05	5	<0.5
493463	Rock	3	4	1.56	70	0.173	4	2.30	0.063	0.21	1.2	<0.01	2.7	<0.1	0.05	6	<0.5
493464	Rock	2	10	0.36	203	0.092	<1	0.60	0.063	0.26	1.9	<0.01	2.1	0.2	<0.05	2	<0.5
493465	Rock	<1	4	0.06	71	0.037	<1	0.55	0.023	0.14	1.2	0.07	0.9	0.1	1.21	2	<0.5
493479	Rock	<1	16	<0.01	15	0.001	<1	0.02	0.003	0.03	0.9	<0.01	<0.1	<0.1	0.11	<1	<0.5
493482	Rock	5	11	0.74	135	0.181	5	1.53	0.125	0.51	0.8	<0.01	2.8	0.2	0.14	6	<0.5
493483	Rock	3	10	0.50	81	0.111	2	1.07	0.098	0.26	1.3	<0.01	1.7	0.3	0.43	4	<0.5
493484	Rock	2	4	0.99	39	0.168	2	3.17	0.299	0.39	3.7	0.02	3.1	0.8	1.95	8	<0.5
493485	Rock	<1	10	0.02	219	<0.001	5	0.23	0.006	0.15	<0.1	<0.01	<0.1	<0.1	0.06	<1	<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

ACME ANALYTICAL LABORATORIES LTD.

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB
Report Date: March 12, 2008

Page: 2 of 6 Part: 1

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16
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	0.6	0.1	1	0.1	0.1	0.1	2	0.01	0.001		
BL33N 26E	Soil	3.6	21.4	11.8	39	0.2	6.9	4.5	364	2.11	3.7	0.7	3.2	<0.1	8	0.3	0.2	0.9	57	0.07	0.082	
BL33N 26+50E	Soil	4.3	23.2	8.0	39	0.2	7.8	5.4	440	2.69	2.8	0.6	1.6	<0.1	11	0.2	0.2	1.6	70	0.11	0.089	
BL33N 27E	Soil	2.1	40.2	39.9	110	0.9	11.8	9.3	727	3.07	13.6	1.7	30.0	0.2	15	1.2	0.4	0.4	66	0.16	0.110	
BL33N 27+50E	Soil	7.8	41.8	38.5	109	0.3	8.2	10.9	649	3.44	28.3	7.1	17.0	0.3	17	0.7	0.6	0.2	84	0.28	0.078	
BL33N 28E	Soil	2.9	20.6	64.7	84	0.6	4.9	3.6	343	2.29	18.3	0.7	57.6	<0.1	11	0.4	0.4	0.3	58	0.11	0.083	
BL33N 28+50E	Soil	2.8	18.9	15.3	34	0.2	4.9	2.7	141	1.63	2.6	0.8	1.6	0.1	7	0.3	0.3	0.5	84	0.07	0.056	
BL33N 29E	Soil	3.8	15.3	9.4	40	0.2	6.6	5.4	522	2.38	3.3	0.7	2.5	0.1	12	0.3	0.2	1.1	82	0.13	0.062	
BL33N 29+50E	Soil	3.9	21.8	10.3	52	0.3	7.2	6.1	527	2.96	3.0	0.8	4.3	0.2	11	0.4	0.2	1.5	80	0.13	0.064	
BL33N 30E	Soil	3.8	45.7	12.7	147	0.3	11.7	12.2	1142	3.35	6.5	1.1	3.3	0.3	20	1.2	0.3	1.5	79	0.26	0.082	
BL33N 30+50E	Soil	2.9	39.7	69.5	240	1.7	9.5	15.3	1715	3.60	27.4	1.0	79.4	0.3	20	1.9	0.7	0.5	86	0.14	0.087	
BL33N 31E	Soil	4.8	73.6	24.2	173	0.2	17.6	10.9	817	3.52	7.9	1.3	36.9	0.3	12	0.7	0.6	0.4	88	0.13	0.091	
BL33N 31+50E	Soil	2.6	40.7	14.0	100	0.3	13.7	9.7	518	5.23	6.1	1.7	4.0	1.2	12	0.6	0.6	0.7	102	0.11	0.061	
BL33N 32E	Soil	3.1	38.3	9.0	38	<0.1	7.6	6.0	197	3.61	5.8	1.6	4.7	1.6	12	0.3	0.2	1.5	76	0.12	0.093	
BL33N 32+50E	Soil	2.4	39.2	9.5	64	0.4	16.4	7.6	334	3.33	4.8	1.2	3.5	0.3	13	0.4	0.3	0.7	73	0.14	0.089	
BL33N 33E	Soil	2.7	33.6	9.5	61	0.5	10.7	6.2	383	2.59	3.2	1.3	3.3	0.1	9	0.5	0.3	0.9	68	0.10	0.093	
BL33N 33+50E	Soil	4.5	48.2	17.8	58	0.1	18.3	9.6	326	3.64	4.4	1.1	3.3	0.8	14	0.3	0.3	2.7	88	0.16	0.049	
BL33N 34E	Soil	4.8	29.2	7.9	45	0.3	8.4	5.3	601	2.55	2.0	1.2	1.1	0.2	10	0.5	0.2	1.8	70	0.11	0.079	
BL33N 34+50E	Soil	3.4	36.4	7.4	74	0.2	15.0	10.6	397	4.28	4.5	1.0	2.2	0.6	15	0.5	0.3	1.1	95	0.17	0.057	
BL33N 35E	Soil	1.8	30.6	7.1	73	0.2	7.1	10.4	534	3.88	3.3	0.8	1.9	0.4	12	0.2	0.4	0.4	102	0.14	0.066	
BL33N 35+50E	Soil	2.6	26.1	7.8	55	0.4	10.6	5.8	237	2.78	3.7	1.0	3.0	0.4	10	0.2	0.2	0.3	61	0.10	0.082	
L26E 43N	Soil	1.8	50.5	12.4	74	0.7	9.5	9.3	400	3.14	4.0	1.0	3.7	0.3	16	0.3	0.4	0.2	78	0.13	0.070	
L26E 42+50N	Soil	5.0	50.4	9.2	75	0.7	9.8	11.0	706	3.25	3.2	1.3	2.5	0.1	17	0.3	0.4	0.2	93	0.13	0.119	
L26E 42N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L26E 41+50N	Soil	3.5	37.3	9.2	41	0.5	5.8	5.1	300	2.66	2.2	0.8	2.7	0.2	9	0.3	0.3	0.2	67	0.08	0.076	
L26E 41N	Soil	4.9	39.8	8.8	29	0.4	4.9	3.9	124	2.79	2.2	1.8	2.3	0.3	7	0.4	0.2	0.2	69	0.06	0.087	
L26E 40+50N	Soil	4.8	43.3	9.4	78	0.5	7.8	12.4	1111	3.55	3.0	1.3	2.0	0.3	13	0.4	0.4	0.2	98	0.13	0.102	
L26E 40N	Soil	3.2	51.0	7.7	117	0.9	6.1	9.8	1057	3.28	3.2	1.0	1.9	0.2	15	0.7	0.5	0.2	84	0.12	0.098	
L26E 39+50N	Soil	2.2	54.7	13.0	78	0.4	7.7	8.7	388	3.69	3.3	1.1	3.3	0.4	12	0.4	0.5	0.3	101	0.12	0.065	
L26E 39N	Soil	8.1	40.9	9.4	61	0.5	9.6	7.8	531	2.71	2.5	0.9	4.9	0.2	10	0.4	0.3	1.4	73	0.11	0.085	
L26E 38+50N	Soil	8.6	32.4	9.3	36	0.3	7.8	4.2	188	2.89	2.4	1.0	2.5	0.3	9	0.3	0.3	1.3	75	0.08	0.056	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



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

ACME ANALYTICAL LABORATORIES LTD.

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB

Report Date: March 12, 2008

Page: 2 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	Unit	MDL	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16		
				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		
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
BL33N 26E	Soil			3	13	0.20	53	0.028	<1	1.87	0.008	0.04	1.1	0.07	0.5	<0.1	0.07	8	0.7
BL33N 26+50E	Soil			3	13	0.22	69	0.030	<1	1.86	0.008	0.03	3.5	0.07	0.5	<0.1	0.10	7	<0.5
BL33N 27E	Soil			5	18	0.59	89	0.029	2	2.56	0.008	0.05	0.7	0.04	0.8	<0.1	0.09	7	0.8
BL33N 27+50E	Soil			5	14	0.61	64	0.038	1	2.35	0.010	0.05	0.4	0.05	1.3	<0.1	0.09	8	0.6
BL33N 28E	Soil			3	10	0.19	70	0.015	1	1.53	0.008	0.05	0.3	0.04	0.3	0.1	0.08	8	<0.5
BL33N 28+50E	Soil			4	11	0.15	58	0.045	1	1.57	0.010	0.03	0.4	0.06	0.5	<0.1	0.07	9	<0.5
BL33N 29E	Soil			3	13	0.17	81	0.033	1	1.14	0.007	0.04	1.5	0.05	0.5	<0.1	0.07	7	<0.5
BL33N 29+50E	Soil			4	16	0.24	69	0.048	1	1.70	0.008	0.03	2.0	0.03	0.9	<0.1	0.08	9	<0.5
BL33N 30E	Soil			4	15	0.62	117	0.050	2	2.34	0.010	0.05	1.6	0.03	1.2	<0.1	0.07	8	<0.5
BL33N 30+50E	Soil			4	15	0.57	127	0.055	1	2.47	0.009	0.07	0.5	0.04	1.4	0.1	0.11	9	<0.5
BL33N 31E	Soil			4	29	0.81	123	0.027	1	2.57	0.008	0.07	0.5	0.05	1.4	0.1	0.08	8	<0.5
BL33N 31+50E	Soil			4	26	0.78	74	0.088	1	3.21	0.007	0.08	0.9	0.08	2.3	0.1	0.10	11	0.7
BL33N 32E	Soil			5	19	0.35	85	0.071	1	4.79	0.008	0.04	3.1	0.13	2.1	<0.1	0.08	7	1.5
BL33N 32+50E	Soil			8	27	0.53	72	0.061	1	3.73	0.010	0.04	1.4	0.09	1.5	0.1	0.11	8	1.0
BL33N 33E	Soil			5	19	0.44	57	0.043	1	3.02	0.008	0.05	1.3	0.08	0.9	0.1	0.10	7	1.0
BL33N 33+50E	Soil			5	27	0.65	94	0.090	1	2.96	0.010	0.07	3.9	0.06	1.9	0.1	0.05	8	0.6
BL33N 34E	Soil			5	16	0.31	68	0.057	<1	1.81	0.010	0.05	2.7	0.07	1.1	0.2	0.09	8	0.6
BL33N 34+50E	Soil			5	22	0.73	81	0.095	1	2.79	0.010	0.08	1.5	0.05	2.2	<0.1	0.07	12	0.6
BL33N 35E	Soil			4	12	0.78	78	0.123	<1	2.59	0.011	0.09	0.6	0.05	2.2	0.1	0.07	11	<0.5
BL33N 35+50E	Soil			6	20	0.46	48	0.048	<1	3.32	0.010	0.04	0.3	0.07	1.5	<0.1	0.08	10	0.9
L26E 43N	Soil			4	17	0.72	77	0.059	<1	3.75	0.009	0.04	0.5	0.08	1.5	0.2	0.09	9	0.8
L26E 42+50N	Soil			5	15	0.56	106	0.041	1	2.97	0.012	0.08	0.7	0.06	1.0	0.2	0.11	8	0.8
L26E 42N	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L26E 41+50N	Soil			4	13	0.32	49	0.058	<1	2.34	0.011	0.04	1.6	0.08	1.1	0.2	0.11	8	<0.5
L26E 41N	Soil			4	12	0.24	50	0.066	1	2.86	0.009	0.04	1.0	0.12	1.1	<0.1	0.13	9	0.7
L26E 40+50N	Soil			5	14	0.49	77	0.070	1	2.40	0.010	0.08	1.0	0.07	1.3	0.2	0.13	9	<0.5
L26E 40N	Soil			4	10	0.51	97	0.053	1	2.87	0.010	0.09	0.4	0.05	1.2	0.2	0.12	8	0.6
L26E 39+50N	Soil			5	15	0.64	58	0.100	1	2.95	0.011	0.09	0.4	0.06	2.3	0.2	0.09	11	<0.5
L26E 39N	Soil			5	18	0.41	59	0.057	1	2.25	0.011	0.06	2.4	0.04	1.2	0.2	0.10	8	0.8
L26E 38+50N	Soil			5	18	0.28	49	0.068	<1	2.12	0.009	0.03	2.4	0.08	1.4	<0.1	0.07	9	0.7

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: **Happy Creek Minerals Ltd.**
 2304 - 1068 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: March 12, 2008

Page 3 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	Unit	MDL	1DX15	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
				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
L28E 36N	Soil			5.6	43.9	9.4	54	0.6	7.6	7.7	447	3.01	2.6	2.7	3.1	0.3	14	0.5	0.3	1.0	82	0.15	0.078
L28E 37+50N	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L26E 37N	Soil			7.3	51.8	15.0	52	0.5	13.5	7.3	273	2.96	3.9	1.0	1.9	0.5	13	0.3	0.3	1.6	81	0.12	0.065
L26E 36+50N	Soil			7.5	31.4	9.3	33	0.3	10.0	4.4	147	2.80	3.1	0.9	2.3	0.5	11	0.3	0.3	2.3	80	0.11	0.048
L26E 36N	Soil			5.0	28.0	9.2	38	0.6	11.6	4.9	178	2.61	2.8	1.1	16.9	0.3	11	0.4	0.2	1.0	84	0.11	0.077
L26E 35+50N	Soil			5.9	28.4	10.6	41	0.5	7.5	8.6	514	2.67	2.7	1.5	1.8	0.2	15	0.7	0.2	0.7	88	0.16	0.078
L26E 35N	Soil			8.7	35.6	12.9	46	0.2	7.0	4.9	273	3.60	2.9	1.1	2.2	0.8	12	0.5	0.2	0.5	103	0.11	0.043
L26E 34+50N	Soil			8.9	36.7	12.9	45	0.2	7.1	5.2	263	3.34	2.7	1.0	1.7	0.7	11	0.8	0.2	0.5	101	0.11	0.045
L26E 34N	Soil			4.2	48.8	7.8	63	0.2	10.5	7.1	242	4.10	5.4	1.2	3.7	0.7	10	0.5	0.3	0.4	98	0.12	0.079
L26E 33+50N	Soil			3.8	36.4	9.3	69	0.3	10.2	7.0	412	3.14	4.3	1.0	2.2	0.2	9	0.6	0.3	1.2	79	0.11	0.062
L28E 43N	Soil			14.3	77.8	7.8	52	0.1	21.9	10.9	287	3.17	3.7	1.0	40.7	1.9	19	0.2	0.4	1.1	76	0.15	0.057
L28E 42+50N	Soil			2.7	88.5	6.4	91	0.7	11.1	13.8	439	3.68	3.5	0.9	2.3	0.9	26	0.2	0.3	0.2	87	0.22	0.119
L28E 42N	Soil			1.3	43.1	7.2	91	0.3	14.6	13.7	490	3.62	4.2	1.0	7.3	0.8	21	0.3	0.3	0.3	88	0.24	0.136
L28E 41+50N	Soil			0.8	86.7	8.5	100	0.4	11.2	19.7	829	4.05	4.6	1.1	4.6	1.1	22	0.2	0.4	0.2	104	0.23	0.056
L28E 41N	Soil			0.8	179.0	3.7	88	0.3	3.9	8.4	633	3.41	3.9	0.5	<0.5	0.4	66	0.4	0.4	<0.1	93	0.21	0.083
L28E 40+50N	Soil			2.1	60.9	7.0	82	<0.1	8.3	10.7	447	4.95	5.3	0.8	5.5	0.4	20	0.3	0.4	0.2	115	0.17	0.066
L28E 40N	Soil			0.5	145.0	12.8	197	1.2	5.3	13.7	950	4.67	7.1	2.6	7.8	0.4	31	0.8	0.5	0.1	128	0.30	0.072
L28E 39+50N	Soil			0.6	79.4	11.2	114	1.2	7.5	18.0	722	4.44	7.0	0.8	12.5	1.2	36	0.4	0.8	0.3	146	0.42	0.087
L28E 39N	Soil			1.2	101.0	9.7	136	0.1	10.8	13.8	553	5.03	9.8	0.7	15.6	0.7	20	0.6	0.8	0.3	143	0.18	0.061
L28E 38+50N	Soil			1.9	84.8	9.5	262	0.9	12.5	14.4	550	4.18	20.5	1.1	14.7	0.9	30	0.8	0.6	0.3	116	0.27	0.062
L28E 38N	Soil			1.4	128.8	13.7	249	0.3	11.1	17.1	777	5.00	15.2	0.7	21.3	0.5	17	0.9	0.6	0.5	125	0.17	0.045
L28E 37+50N	Soil			2.8	78.6	7.8	71	0.3	9.9	9.2	418	3.91	5.4	1.6	8.3	0.3	15	0.4	0.3	0.2	89	0.12	0.080
L28E 37N	Soil			3.9	40.9	15.2	41	0.4	7.1	4.5	202	3.59	3.7	1.4	1.1	0.3	9	0.4	0.2	0.2	68	0.07	0.077
L28E 36+50N	Soil			3.1	36.8	8.3	63	0.8	6.5	5.8	391	2.78	4.1	1.1	6.1	0.2	9	0.4	0.3	0.2	71	0.08	0.097
L28E 36N	Soil			5.4	36.4	14.1	62	0.3	9.9	5.7	451	2.62	5.4	0.9	59.6	<0.1	13	0.4	0.3	1.1	82	0.12	0.174
L28E 35N	Soil			1.1	62.8	38.2	199	0.2	8.2	16.0	1038	3.39	8.4	0.9	38.6	1.1	39	1.2	0.5	0.1	93	0.29	0.100
L28E 34+50N	Soil			1.5	82.8	56.5	179	0.7	8.0	17.9	1225	4.22	12.9	1.2	16.3	0.5	16	1.1	0.8	0.4	94	0.16	0.070
L28E 34N	Soil			3.1	49.7	107.2	143	0.9	7.3	10.5	940	3.79	15.0	0.8	55.8	0.3	11	0.7	0.8	0.6	86	0.11	0.064
L28E 33+50N	Soil			5.0	35.6	29.6	108	0.3	15.4	8.7	588	3.72	7.1	0.7	2.5	0.2	19	0.5	0.3	1.8	80	0.28	0.063
L28E 32+50N	Soil			4.3	36.1	36.5	103	0.4	12.9	8.5	600	3.51	7.8	0.8	5.2	0.2	16	0.8	0.4	1.5	81	0.21	0.067

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.
 2304 - 1066 W. Hastings St.
 Vancouver BC V8E 3X2 Canada

Project: SB
 Report Date: March 12, 2008

Page 3 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unk		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	0.05	1	0.5	
L28E 38N	Soil	6	17	0.38	56	0.049	2	2.51	0.012	0.05	2.2	0.06	1.4	0.2	0.10	8	0.8
L28E 37+50N	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L28E 37N	Soil	6	26	0.55	65	0.094	2	2.84	0.011	0.07	2.6	0.06	1.7	0.1	0.10	11	0.8
L28E 36+50N	Soil	6	22	0.30	45	0.090	1	2.45	0.011	0.03	3.8	0.06	1.8	<0.1	0.06	10	0.8
L28E 36N	Soil	4	17	0.33	49	0.061	<1	1.69	0.012	0.04	1.8	0.06	1.0	<0.1	0.11	8	<0.5
L28E 35+50N	Soil	5	14	0.19	65	0.048	1	1.61	0.013	0.05	0.8	0.09	0.8	<0.1	0.09	8	<0.5
L28E 35N	Soil	5	16	0.25	84	0.112	2	1.77	0.010	0.05	0.3	0.07	1.5	<0.1	0.07	14	<0.5
L28E 34+50N	Soil	5	16	0.25	65	0.106	<1	1.69	0.011	0.05	0.4	0.07	1.5	<0.1	0.06	13	<0.5
L28E 34N	Soil	5	21	0.47	67	0.088	1	3.53	0.011	0.05	0.7	0.11	2.0	<0.1	0.10	12	1.2
L28E 33+50N	Soil	4	17	0.35	72	0.052	1	2.33	0.010	0.04	2.1	0.05	1.1	<0.1	0.11	8	<0.5
L28E 43N	Soil	8	29	0.70	103	0.115	1	2.88	0.013	0.05	4.7	0.04	3.0	0.1	<0.05	7	<0.5
L28E 42+50N	Soil	4	20	1.05	99	0.091	1	4.76	0.009	0.07	1.6	0.08	2.2	0.2	0.08	7	1.1
L28E 42N	Soil	4	21	1.08	84	0.079	<1	3.79	0.009	0.10	1.3	0.06	1.9	0.2	0.08	7	0.5
L28E 41+50N	Soil	5	14	1.34	91	0.130	<1	3.19	0.010	0.14	0.6	0.02	3.0	0.4	<0.05	7	<0.5
L28E 41N	Soil	2	4	1.30	207	0.090	<1	4.45	0.008	0.28	0.4	0.05	3.1	0.8	<0.05	7	0.9
L28E 40+50N	Soil	3	13	0.98	69	0.093	1	3.42	0.008	0.08	0.5	0.08	1.9	0.1	<0.05	10	0.8
L28E 40N	Soil	5	7	1.54	101	0.088	<1	4.33	0.009	0.43	0.5	0.04	4.9	1.1	<0.05	9	0.7
L28E 39+50N	Soil	5	10	1.47	183	0.166	<1	3.53	0.014	0.33	0.6	0.03	4.1	0.7	<0.05	9	<0.5
L28E 39N	Soil	4	18	1.16	90	0.120	1	4.36	0.010	0.13	0.6	0.06	3.3	0.3	<0.05	10	0.6
L28E 38+50N	Soil	5	16	0.99	156	0.126	<1	3.47	0.015	0.18	0.4	0.08	3.2	0.3	<0.05	8	0.7
L28E 38N	Soil	3	14	1.32	121	0.102	<1	3.88	0.009	0.15	0.3	0.03	3.3	0.4	<0.05	11	1.1
L28E 37+50N	Soil	5	19	0.58	94	0.057	1	4.28	0.012	0.06	0.3	0.11	1.5	<0.1	0.07	11	1.3
L28E 37N	Soil	5	16	0.25	49	0.058	<1	3.09	0.011	0.03	0.3	0.12	1.0	0.1	0.09	12	1.0
L28E 36+50N	Soil	4	12	0.36	54	0.054	1	3.17	0.011	0.04	0.3	0.10	1.3	0.1	0.12	9	0.8
L28E 36N	Soil	4	19	0.38	53	0.041	1	2.05	0.010	0.07	1.4	0.06	0.9	<0.1	0.09	10	0.7
L28E 35N	Soil	4	9	0.83	70	0.060	<1	3.15	0.010	0.08	0.7	0.04	2.7	<0.1	<0.05	7	<0.5
L28E 34+50N	Soil	4	9	1.13	83	0.039	1	3.61	0.011	0.07	0.9	0.04	2.7	0.1	<0.05	9	<0.5
L28E 34N	Soil	3	13	0.62	76	0.030	1	2.52	0.008	0.04	2.1	0.06	1.5	0.1	0.08	8	<0.5
L28E 33+50N	Soil	5	28	0.41	148	0.039	<1	1.87	0.009	0.04	2.8	0.04	1.1	<0.1	<0.05	9	<0.5
L28E 32+50N	Soil	5	24	0.41	122	0.040	1	2.07	0.011	0.04	2.1	0.05	1.2	<0.1	0.08	10	<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: March 12, 2008

Page 4 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	
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	0.6	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
L28E 32N	Soil	3.5	31.0	26.3	87	0.7	14.8	8.0	612	3.29	12.4	1.5	22.2	0.1	18	1.1	0.3	1.2	74	0.14	0.078
L28E 31+50N	Soil	3.6	30.6	9.8	67	0.4	9.0	6.7	417	4.13	4.9	0.9	1.8	0.5	12	0.4	0.3	1.7	101	0.12	0.051
L28E 31N	Soil	3.4	26.8	15.2	54	0.3	7.4	6.4	330	3.62	6.1	0.8	3.0	0.6	12	0.5	0.3	0.8	89	0.11	0.040
L28E 30+50N	Soil	2.5	30.1	9.9	90	0.3	13.8	8.7	383	2.81	2.7	3.7	3.9	0.4	25	0.6	0.3	1.7	75	0.48	0.048
L28E 30N	Soil	2.2	47.4	11.1	59	0.2	15.3	9.7	342	3.56	5.5	1.3	18.2	0.8	15	0.4	0.4	0.9	81	0.20	0.062
L28E 29+50N	Soil	2.9	27.8	9.2	54	0.2	9.7	6.2	280	3.78	3.4	1.3	2.3	0.6	22	0.2	0.3	1.3	82	0.21	0.063
L28E 29N	Soil	3.9	36.0	8.0	48	0.1	12.2	6.8	320	3.86	4.1	1.5	0.8	0.8	10	0.2	0.2	1.7	96	0.11	0.058
L30E 43N	Soil	1.8	35.1	7.8	35	0.7	7.1	4.7	184	2.86	2.7	0.9	11.3	0.2	14	0.2	0.3	0.3	82	0.12	0.102
L30E 42+50N	Soil	1.2	27.5	6.5	38	0.5	9.2	6.1	177	2.59	3.7	1.0	7.5	0.6	15	0.2	0.2	0.1	60	0.19	0.127
L30E 42N	Soil	0.9	25.6	7.3	41	0.4	8.3	7.1	209	2.78	3.7	0.8	3.1	0.4	17	0.2	0.3	0.2	73	0.17	0.083
L30E 41+50N	Soil	1.5	36.8	6.8	30	0.8	7.9	6.1	158	2.83	3.2	0.9	<0.5	0.2	17	0.2	0.2	0.2	62	0.15	0.118
L30E 41N	Soil	1.2	34.0	6.5	39	1.0	11.7	6.0	161	3.25	3.3	0.9	3.2	0.3	13	0.2	0.3	0.2	74	0.10	0.087
L30E 40+50N	Soil	2.0	40.1	6.5	54	0.8	10.4	8.4	399	2.59	2.9	1.2	2.1	0.1	13	0.3	0.3	0.2	80	0.13	0.119
L30E 40N	Soil	2.0	43.0	7.8	24	0.8	6.6	3.3	98	1.71	2.5	0.9	1.9	<0.1	9	0.2	0.2	0.2	46	0.08	0.102
L30E 39+50N	Soil	2.8	84.9	8.6	66	0.9	5.9	6.4	331	2.38	5.3	1.3	9.4	<0.1	10	0.6	0.3	0.2	58	0.12	0.163
L30E 39N	Soil	2.5	56.3	9.9	71	0.4	12.4	10.3	762	3.24	6.0	1.6	1.9	0.2	23	0.8	0.4	0.3	87	0.17	0.122
L30E 38+50N	Soil	3.4	38.0	10.8	34	0.3	7.3	7.3	374	2.31	2.3	1.3	<0.5	0.1	10	0.4	0.2	1.0	61	0.10	0.100
L30E 38N	Soil	2.9	33.9	19.7	86	0.3	8.7	7.8	488	3.05	4.4	1.1	3.0	0.2	15	0.5	0.3	0.5	71	0.15	0.077
L30E 37+50N	Soil	2.6	40.3	8.2	47	0.6	9.4	6.3	215	2.88	3.8	1.2	2.3	0.2	12	0.3	0.3	0.2	85	0.11	0.079
L30E 37N	Soil	2.7	22.0	10.8	64	0.2	8.0	7.7	753	3.51	2.9	0.6	552.1	0.2	17	0.3	0.3	1.7	99	0.22	0.062
L30E 36+50N	Soil	2.8	31.1	9.2	53	0.7	8.2	5.0	278	2.28	3.5	0.8	2.0	0.1	11	0.8	0.3	0.2	60	0.10	0.096
L30E 36N	Soil	2.5	44.2	25.4	110	1.3	9.4	6.9	401	3.02	4.4	1.0	5.3	0.4	13	0.6	0.4	0.3	76	0.11	0.062
L30E 35+50N	Soil	4.8	28.7	9.8	40	0.4	6.8	6.8	314	2.58	3.2	1.5	1.3	0.1	9	0.8	0.4	0.5	61	0.08	0.096
L30E 35N	Soil	2.5	37.2	13.6	111	0.4	9.7	9.9	665	3.33	7.2	1.0	5.5	0.6	17	0.5	0.8	0.8	77	0.17	0.092
L30E 34+50N	Soil	1.5	45.5	8.1	101	0.2	8.9	15.6	594	5.11	2.9	0.5	1.0	0.4	18	0.2	0.3	0.2	135	0.20	0.068
L30E 34N	Soil	2.9	18.6	12.6	47	0.2	6.2	6.1	382	2.78	3.9	1.0	2.1	0.3	11	0.4	0.4	0.4	66	0.07	0.067
L30E 33+50N	Soil	3.2	26.5	26.7	57	0.3	6.8	5.8	347	2.70	3.8	1.2	2.0	0.3	15	0.5	0.3	0.5	65	0.13	0.073
L30E 33N	Soil	2.7	33.8	22.0	67	0.3	9.4	9.4	586	3.23	4.9	1.0	9.8	0.2	16	0.6	0.4	0.4	75	0.18	0.076
L30E 32+50N	Soil	3.8	34.9	30.3	105	0.3	13.0	9.2	718	3.55	8.1	1.5	8.5	0.3	15	0.7	0.5	1.1	86	0.17	0.084
L30E 32N	Soil	4.0	34.1	40.6	91	0.4	10.5	7.4	551	3.20	8.2	0.9	34.3	0.2	16	0.6	0.5	1.7	78	0.16	0.075

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

ACME ANALYTICAL LABORATORIES LTD.

www.acmelab.com

Client:

Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project:

SB

Report Date:

March 12, 2008

Page:

4 of 6

Part 2

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	Unit	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16		
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
L28E 32N	Soil		4	23	0.41	91	0.032	<1	2.45	0.009	0.04	1.8	0.06	0.8	<0.1	0.09	9	0.6
L28E 31+50N	Soil		3	16	0.29	71	0.076	<1	1.86	0.007	0.04	3.1	0.07	1.5	<0.1	0.08	11	0.5
L28E 31N	Soil		4	16	0.31	68	0.060	<1	2.31	0.009	0.04	0.8	0.06	1.8	<0.1	0.05	10	<0.5
L28E 30+50N	Soil		5	20	0.80	92	0.097	2	2.40	0.015	0.07	3.2	0.07	2.5	<0.1	0.06	10	<0.5
L28E 30N	Soil		5	20	0.74	78	0.079	1	4.23	0.009	0.05	1.7	0.10	2.5	<0.1	0.08	8	0.6
L28E 29+50N	Soil		5	17	0.40	74	0.084	1	3.14	0.013	0.05	3.4	0.10	1.7	0.1	0.09	12	<0.5
L28E 29N	Soil		4	19	0.38	62	0.081	1	3.31	0.010	0.04	4.0	0.07	1.9	0.1	<0.05	10	0.6
L30E 43N	Soil		4	16	0.35	50	0.045	1	3.54	0.011	0.04	0.4	0.10	1.1	0.2	0.10	9	1.0
L30E 42+50N	Soil		5	16	0.37	56	0.058	<1	3.87	0.009	0.04	0.6	0.10	1.7	<0.1	0.08	7	1.3
L30E 42N	Soil		5	15	0.52	58	0.075	2	3.32	0.014	0.05	0.5	0.08	2.1	0.2	<0.05	8	<0.5
L30E 41+50N	Soil		4	14	0.41	67	0.048	1	3.37	0.010	0.04	0.5	0.08	1.2	0.1	0.07	9	1.2
L30E 41N	Soil		5	20	0.41	45	0.053	<1	3.39	0.010	0.04	0.4	0.07	1.3	0.1	0.07	10	0.9
L30E 40+50N	Soil		5	15	0.71	60	0.044	1	3.25	0.013	0.08	0.2	0.07	1.0	0.3	0.09	8	<0.5
L30E 40N	Soil		4	18	0.21	37	0.043	<1	2.65	0.011	0.04	0.2	0.07	0.8	0.2	0.09	10	0.7
L30E 39+50N	Soil		3	7	0.47	60	0.024	<1	2.21	0.015	0.14	0.2	0.08	0.6	0.3	0.11	7	0.9
L30E 39N	Soil		6	19	0.53	144	0.054	2	2.63	0.018	0.10	0.2	0.06	1.2	0.1	0.12	9	0.7
L30E 38+50N	Soil		5	12	0.21	52	0.039	2	2.40	0.010	0.04	2.5	0.09	0.8	<0.1	0.11	7	<0.5
L30E 38N	Soil		4	16	0.40	111	0.054	2	1.96	0.013	0.05	0.7	0.05	1.1	<0.1	0.07	8	<0.5
L30E 37+50N	Soil		5	18	0.45	55	0.058	2	2.40	0.010	0.05	0.2	0.09	1.0	0.1	0.07	9	0.8
L30E 37N	Soil		3	15	0.31	122	0.057	2	1.37	0.008	0.05	2.3	0.06	1.2	<0.1	0.08	8	<0.5
L30E 36+50N	Soil		4	18	0.35	43	0.043	1	1.98	0.013	0.04	0.2	0.07	0.8	<0.1	0.09	7	<0.5
L30E 36N	Soil		5	21	0.46	57	0.087	2	2.81	0.010	0.06	0.3	0.07	1.7	<0.1	<0.05	9	<0.5
L30E 35+50N	Soil		4	13	0.28	37	0.045	2	2.28	0.013	0.04	0.6	0.11	0.8	<0.1	0.10	7	0.6
L30E 35N	Soil		4	18	0.67	60	0.074	1	2.94	0.008	0.05	1.1	0.07	2.0	<0.1	<0.05	7	0.7
L30E 34+50N	Soil		2	17	1.59	88	0.202	<1	3.27	0.012	0.07	0.2	0.03	2.1	<0.1	<0.05	10	<0.5
L30E 34N	Soil		5	15	0.24	69	0.080	1	1.72	0.011	0.04	0.2	0.05	1.1	<0.1	<0.05	9	<0.5
L30E 33+50N	Soil		4	13	0.24	124	0.088	2	1.42	0.011	0.05	0.5	0.05	1.0	<0.1	0.07	9	<0.5
L30E 33N	Soil		4	16	0.46	121	0.059	1	2.03	0.011	0.06	0.6	0.05	1.4	<0.1	0.08	8	<0.5
L30E 32+50N	Soil		5	22	0.56	86	0.057	2	2.40	0.009	0.07	1.8	0.04	1.7	<0.1	0.11	8	<0.5
L30E 32N	Soil		5	21	0.40	112	0.051	1	2.10	0.012	0.05	1.6	0.05	1.4	<0.1	0.08	9	<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: March 12, 2008

Page: 5 of 8 Part: 1

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	Unit	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fa	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
L30E 31+50N	Soil		2.2	39.6	15.3	74	0.2	9.4	13.1	890	3.78	8.0	1.2	3.2	0.2	18	0.6	0.4	0.2	88	0.25	0.083
L30E 30N	Soil		3.1	24.3	9.5	28	0.2	6.0	3.7	205	2.27	2.2	0.8	1.2	0.1	11	0.4	0.2	1.2	62	0.10	0.071
L32E 41N	Soil		0.9	46.3	6.4	48	0.4	13.4	8.2	217	3.08	5.2	0.9	5.0	1.8	19	0.3	0.3	0.4	88	0.21	0.113
L32E 40+50N	Soil		3.3	171.4	51.2	118	0.5	10.2	30.6	2487	3.66	13.6	1.5	12.8	1.3	58	0.9	0.7	0.9	95	0.26	0.192
L32E 40N	Soil		0.8	87.9	11.8	96	0.2	38.6	24.0	938	4.12	6.6	1.3	19.3	2.9	40	0.5	0.5	0.4	96	0.38	0.122
L32E 39+50N	Soil		1.1	29.2	8.9	56	0.2	22.5	10.2	282	3.19	8.4	0.9	3.1	2.0	18	0.2	0.4	0.2	78	0.21	0.117
L32E 39N	Soil		1.1	39.8	6.9	59	0.2	16.1	10.8	332	3.95	5.8	0.7	1.8	1.1	16	0.2	0.4	0.1	98	0.20	0.090
L32E 38+50N	Soil		1.7	50.9	7.2	58	0.5	16.8	9.7	273	3.26	5.9	1.1	8.9	1.7	24	0.3	0.4	0.2	91	0.18	0.094
L32E 38N	Soil		1.2	54.4	8.1	56	0.4	14.5	9.5	255	3.55	4.6	0.8	3.3	1.0	13	0.3	0.3	0.2	98	0.12	0.068
L32E 37+50N	Soil		1.6	36.0	10.1	45	0.2	12.1	5.7	177	2.89	4.6	1.1	2.6	0.4	10	0.3	0.4	0.2	79	0.11	0.070
L32E 37N	Soil		1.9	26.6	11.1	35	0.5	6.4	4.0	150	2.44	4.1	1.2	1.8	0.3	10	0.2	0.3	0.2	63	0.10	0.075
L32E 36+50N	Soil		1.8	24.9	9.9	27	0.7	3.9	3.5	153	2.60	3.4	1.2	3.2	0.2	9	0.3	0.3	0.2	61	0.09	0.110
L32E 36N	Soil		2.0	88.9	45.1	115	1.2	20.7	14.3	862	3.63	17.4	1.5	17.2	1.4	25	0.5	0.9	0.4	88	0.19	0.055
L32E 35+50N	Soil		2.3	41.1	9.1	84	0.4	15.5	9.4	393	3.78	4.5	1.5	2.2	0.5	37	0.4	0.4	0.6	85	0.20	0.071
L32E 35N	Soil		1.7	41.5	10.7	101	0.6	24.5	11.1	465	3.88	5.9	1.0	2.4	1.1	15	0.6	0.5	0.4	91	0.14	0.055
L32E 34+50N	Soil		3.1	54.6	11.1	64	1.2	12.9	9.1	499	3.00	5.2	3.8	6.0	0.4	15	0.8	0.5	0.7	76	0.16	0.104
L32E 34N	Soil		4.0	37.6	19.5	67	0.2	12.7	7.3	397	3.58	8.0	1.4	4.1	0.6	14	0.4	0.3	1.4	90	0.16	0.069
L32E 33+50N	Soil		5.1	37.3	29.6	83	0.4	10.5	7.0	519	3.11	6.9	1.0	2.9	0.2	18	0.6	0.4	1.4	70	0.14	0.136
L32E 32+50N	Soil		1.9	54.1	14.8	82	0.6	11.1	11.7	788	2.80	4.8	1.9	4.4	0.4	15	0.5	0.4	0.5	80	0.18	0.088
L32E 32N	Soil		3.8	32.2	13.0	74	0.2	14.8	11.4	487	3.39	4.7	2.1	2.7	1.1	21	0.4	0.3	0.5	83	0.27	0.048
L32E 31+50N	Soil		2.8	47.8	16.6	51	0.7	28.0	13.5	609	3.29	7.4	1.7	7.3	0.4	22	0.3	0.4	2.1	74	0.41	0.088
L32E 31N	Soil		2.4	34.8	11.3	60	0.5	9.8	9.3	793	4.07	5.5	1.2	2.9	0.5	13	0.6	0.3	1.1	87	0.19	0.061
L32E 30+50N	Soil		3.7	35.0	8.1	51	0.1	15.3	8.1	345	4.52	4.8	1.1	2.7	1.2	10	0.3	0.3	1.3	113	0.15	0.044
L32E 30N	Soil		1.7	28.1	8.4	39	0.3	10.4	5.7	187	3.41	4.6	1.1	3.2	0.5	10	0.5	0.3	0.1	79	0.14	0.074
L32E 29+50N	Soil		1.8	25.1	4.9	32	0.2	7.1	5.3	166	2.48	2.0	0.8	<0.5	0.2	8	0.2	0.1	0.1	55	0.11	0.094
L32E 29N	Soil		1.9	21.0	8.5	35	0.1	7.3	5.2	184	3.42	2.9	0.7	0.8	0.5	7	0.2	0.2	0.2	85	0.08	0.043
L32E 28+50N	Soil		3.4	52.2	6.6	48	0.8	11.9	10.2	434	3.34	3.5	4.2	2.1	0.8	19	0.3	0.3	2.1	81	0.32	0.092
L32E 28N	Soil		1.7	24.9	9.7	27	0.2	5.3	2.5	100	1.62	1.5	0.7	2.0	0.1	10	0.2	0.1	0.7	49	0.11	0.057
L34E 38+50N	Soil		1.8	17.2	16.4	84	0.6	5.3	21.4	464	4.04	6.6	1.1	18.5	0.4	14	0.2	0.3	0.5	100	0.24	0.089
L34E 38N	Soil		3.3	38.9	13.7	45	0.6	6.4	6.6	239	3.84	4.1	1.8	8.2	0.4	9	0.4	0.3	0.2	81	0.13	0.072

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	Unit	1DX16	1DX16	1DX15	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16		
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
L30E 31+50N	Soil		5	18	0.88	127	0.056	2	2.59	0.011	0.06	0.8	0.05	1.8	<0.1	0.09	9	<0.5
L30E 30N	Soil		4	12	0.21	50	0.052	1	1.90	0.012	0.04	2.4	0.06	0.9	0.1	0.08	8	<0.5
L32E 41N	Soil		6	19	0.48	95	0.103	1	3.81	0.013	0.05	0.3	0.06	2.6	<0.1	<0.05	6	<0.5
L32E 40+50N	Soil		4	14	0.81	170	0.071	<1	2.89	0.010	0.16	1.4	0.04	3.1	0.2	<0.05	7	<0.5
L32E 40N	Soil		8	41	1.23	145	0.164	<1	3.64	0.015	0.19	0.5	0.03	5.5	0.2	<0.05	8	<0.5
L32E 39+50N	Soil		8	33	0.73	70	0.100	2	3.16	0.011	0.06	0.3	0.06	2.8	0.2	<0.05	7	0.6
L32E 39N	Soil		5	24	0.83	77	0.122	1	3.29	0.013	0.08	0.4	0.06	2.4	<0.1	<0.05	9	0.7
L32E 38+50N	Soil		7	25	0.62	108	0.099	1	3.50	0.011	0.07	0.3	0.07	2.5	<0.1	<0.05	7	1.0
L32E 38N	Soil		7	21	0.64	88	0.112	1	3.30	0.010	0.09	0.2	0.06	2.1	0.1	<0.05	10	0.5
L32E 37+50N	Soil		6	20	0.41	45	0.087	1	3.64	0.009	0.04	0.3	0.07	1.7	<0.1	0.06	10	<0.5
L32E 37N	Soil		4	14	0.29	42	0.083	1	2.62	0.011	0.05	0.2	0.08	1.1	<0.1	0.06	11	0.6
L32E 36+50N	Soil		4	10	0.24	44	0.069	1	2.53	0.011	0.05	0.2	0.12	1.1	<0.1	0.08	10	<0.5
L32E 36N	Soil		8	32	0.79	109	0.108	2	3.01	0.012	0.07	0.4	0.04	2.8	0.1	<0.05	8	<0.5
L32E 35+50N	Soil		4	25	0.85	205	0.102	1	2.96	0.018	0.11	0.7	0.07	2.0	0.1	<0.05	10	<0.5
L32E 35N	Soil		6	33	0.83	51	0.128	2	2.91	0.010	0.07	0.4	0.05	2.5	<0.1	<0.05	10	<0.5
L32E 34+50N	Soil		8	21	0.50	52	0.062	2	3.55	0.013	0.07	1.0	0.09	1.6	0.1	0.08	8	0.9
L32E 34N	Soil		5	23	0.40	87	0.073	1	3.01	0.011	0.04	2.8	0.06	1.9	<0.1	<0.05	9	<0.5
L32E 33+50N	Soil		5	21	0.41	80	0.045	1	2.16	0.010	0.06	1.8	0.06	1.1	<0.1	0.07	9	<0.5
L32E 32+50N	Soil		7	17	0.63	74	0.081	2	3.79	0.012	0.08	0.8	0.06	2.0	<0.1	0.06	7	0.8
L32E 32N	Soil		5	23	0.58	113	0.106	2	2.88	0.013	0.06	0.7	0.05	2.3	<0.1	0.08	9	<0.5
L32E 31+50N	Soil		7	33	0.66	172	0.042	1	2.97	0.013	0.04	2.5	0.05	1.9	<0.1	0.10	6	<0.5
L32E 31N	Soil		5	19	0.49	110	0.058	<1	2.43	0.008	0.04	1.5	0.06	1.8	<0.1	0.07	11	<0.5
L32E 30+50N	Soil		4	27	0.63	65	0.105	<1	2.76	0.007	0.04	3.4	0.07	2.3	<0.1	<0.05	13	<0.5
L32E 30N	Soil		4	28	0.30	61	0.067	<1	2.52	0.008	0.03	0.3	0.09	1.5	<0.1	0.06	8	<0.5
L32E 29+50N	Soil		3	18	0.30	61	0.028	<1	2.40	0.008	0.04	0.3	0.06	0.9	0.1	0.08	7	<0.5
L32E 29N	Soil		4	16	0.30	58	0.068	<1	1.98	0.008	0.03	0.2	0.06	1.9	<0.1	<0.05	10	<0.5
L32E 28+50N	Soil		7	22	0.58	50	0.060	<1	4.91	0.014	0.06	4.2	0.09	1.9	0.1	0.07	9	1.2
L32E 28N	Soil		3	10	0.11	53	0.047	<1	1.34	0.011	0.03	1.7	0.08	0.7	<0.1	<0.05	7	<0.5
L34E 38+50N	Soil		3	8	0.92	109	0.097	<1	4.28	0.016	0.22	0.4	0.07	2.5	0.3	0.12	12	0.7
L34E 38N	Soil		4	18	0.38	53	0.079	1	3.25	0.011	0.07	0.5	0.09	1.4	<0.1	<0.05	10	<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: **Happy Creek Minerals Ltd.**

2304 - 1066 W. Hastings St.
 Vancouver BC V8E 3X2 Canada

Project: SB
 Report Date: March 12, 2008

Page: 6 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	Unit	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		MOL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
L34E 37+50N	Soil		1.3	82.4	9.8	53	1.5	15.6	7.0	228	2.66	4.0	1.1	7.0	0.3	11	0.3	0.3	0.3	80	0.12	0.075
L34E 37N	Soil		0.9	26.6	7.4	70	0.4	28.8	11.0	376	3.43	5.0	1.1	2.6	1.2	16	0.3	0.4	0.1	81	0.25	0.064
L34E 36+50N	Soil		1.8	23.8	7.2	48	0.2	15.6	6.7	206	2.76	3.8	1.2	2.4	0.5	10	0.2	0.3	0.2	50	0.15	0.089
L34E 36N	Soil		1.3	33.7	7.9	65	0.3	25.9	9.2	318	3.28	4.8	1.4	2.7	1.0	13	0.4	0.3	0.2	87	0.21	0.091
L34E 35+50N	Soil		1.3	31.5	8.6	66	0.3	6.3	8.0	435	3.58	2.7	1.2	1.5	0.9	12	<0.1	0.5	0.1	93	0.25	0.064
L34E 35N	Soil		1.3	29.3	5.6	54	0.3	5.7	6.3	388	2.97	2.3	0.9	0.8	0.2	11	0.2	0.2	0.1	70	0.18	0.087
L34E 34+50N	Soil		3.4	31.8	8.4	45	0.3	10.1	6.9	267	3.53	3.3	1.8	2.1	0.2	10	0.5	0.3	0.3	80	0.13	0.080
L34E 34N	Soil		1.5	37.3	7.6	77	0.7	10.8	9.3	645	3.24	3.6	1.2	1.9	0.2	15	0.6	0.5	0.2	82	0.18	0.097
L34E 33+50N	Soil		1.7	63.5	9.6	91	0.3	21.2	12.3	555	3.86	7.2	1.3	4.8	0.9	21	0.4	0.4	0.3	83	0.27	0.071
L34E 32+50N	Soil		2.8	45.9	7.6	68	0.5	17.5	8.8	354	3.92	4.3	1.9	3.4	0.7	16	0.6	0.3	2.7	85	0.28	0.062
L34E 32N	Soil		5.5	36.2	6.2	50	0.2	13.8	8.6	278	3.50	3.7	1.4	2.2	0.6	17	0.3	0.3	3.1	88	0.26	0.052
L34E 31+50N	Soil		0.7	32.9	6.4	55	0.2	9.9	12.6	393	2.40	2.5	1.3	12.7	0.7	22	0.1	0.2	1.5	62	0.34	0.045
L34E 31N	Soil		6.7	34.9	5.3	43	0.2	11.4	7.7	282	3.11	2.7	0.9	4.1	0.9	16	0.3	0.2	4.5	89	0.28	0.064
L34E 30+50N	Soil		7.0	39.3	6.4	38	0.1	11.4	6.6	288	3.02	2.9	1.0	1.6	0.5	12	0.2	0.2	4.2	77	0.19	0.077
L34E 30N	Soil		8.5	57.7	6.3	49	0.1	17.6	9.9	402	3.33	3.0	1.3	2.2	1.2	14	0.2	0.2	5.9	77	0.23	0.070
L34E 29+50N	Soil		7.2	43.9	5.4	47	0.3	17.8	7.9	335	3.35	2.6	1.3	1.1	0.9	11	0.1	0.2	4.0	78	0.16	0.070
L34E 29N	Soil		7.2	57.2	5.8	54	0.2	15.1	8.9	385	3.53	3.0	1.2	2.5	0.9	13	0.2	0.2	4.7	99	0.21	0.058
L34E 28+50N	Soil		5.5	54.8	6.6	46	0.2	18.3	8.6	352	3.51	4.6	1.4	1.2	0.9	14	0.2	0.2	4.2	94	0.18	0.050
L34E 28N	Soil		4.2	53.5	7.9	57	0.2	18.9	8.5	361	3.21	4.1	1.3	1.9	1.1	12	0.2	0.3	3.8	80	0.17	0.069
L40E 54+50N	Soil		163.0	85.3	11.1	51	0.4	10.6	7.9	543	3.91	2.8	1.1	2.4	0.3	19	0.5	0.2	3.3	82	0.22	0.068
L40E 54N	Soil		216.0	84.7	9.1	48	0.3	12.1	6.9	524	4.17	2.3	1.0	1.2	0.3	14	0.6	0.3	3.7	85	0.16	0.069
L40E 53+50N	Soil		147.3	145.9	10.1	72	1.0	8.4	11.5	708	4.58	3.2	1.2	2.1	0.3	34	0.7	0.4	3.7	101	0.40	0.077

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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

ACME ANALYTICAL LABORATORIES LTD.

www.acmelab.com

Client: **Happy Creek Minerals Ltd.**

2304 - 1088 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB
Report Date: March 12, 2008

Page 6 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN08003885.1

Method	Analyte	Unit	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	1DX16	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
L34E 37+50N	Soil		7	32	0.52	44	0.085	<1	3.07	0.009	0.07	0.3	0.08	1.5	0.2	<0.05	8	1.4
L34E 37N	Soil		7	42	0.89	84	0.132	1	3.19	0.010	0.06	0.3	0.05	2.4	0.1	<0.05	8	<0.5
L34E 36+50N	Soil		7	26	0.42	42	0.050	1	3.22	0.009	0.05	0.2	0.06	1.2	0.1	<0.05	8	0.5
L34E 36N	Soil		8	38	0.67	56	0.089	<1	2.91	0.009	0.07	0.3	0.05	1.9	0.1	<0.05	8	1.0
L34E 35+50N	Soil		3	10	1.01	55	0.139	<1	2.99	0.016	0.08	0.2	0.05	2.4	0.1	<0.05	12	0.5
L34E 35N	Soil		4	10	0.40	77	0.069	1	2.88	0.013	0.08	0.2	0.06	1.2	<0.1	<0.05	9	<0.5
L34E 34+50N	Soil		4	17	0.44	48	0.082	<1	2.17	0.011	0.08	0.3	0.08	1.3	<0.1	0.08	10	<0.5
L34E 34N	Soil		4	19	0.70	84	0.072	<1	3.17	0.011	0.12	0.3	0.07	1.6	0.2	<0.05	9	<0.5
L34E 33+50N	Soil		6	37	0.96	140	0.109	<1	4.19	0.013	0.11	0.7	0.05	2.8	0.2	<0.05	8	1.0
L34E 32+50N	Soil		5	36	0.89	73	0.089	<1	3.67	0.012	0.11	2.6	0.07	2.0	0.2	<0.05	10	0.7
L34E 32N	Soil		8	26	0.60	85	0.080	<1	3.32	0.015	0.06	5.0	0.04	2.1	0.1	<0.05	8	<0.5
L34E 31+50N	Soil		4	14	0.81	88	0.081	<1	2.85	0.014	0.05	2.8	0.02	2.5	<0.1	<0.05	6	<0.5
L34E 31N	Soil		4	20	0.37	81	0.080	<1	3.36	0.013	0.04	10.1	0.06	2.1	0.1	<0.05	6	0.8
L34E 30+50N	Soil		5	22	0.40	74	0.072	2	3.28	0.010	0.07	10.1	0.07	1.8	0.2	<0.05	7	<0.5
L34E 30N	Soil		6	25	0.64	94	0.089	<1	3.71	0.013	0.08	11.6	0.05	2.7	0.2	<0.05	7	0.9
L34E 29+50N	Soil		5	26	0.81	92	0.093	<1	3.96	0.012	0.10	9.0	0.07	2.5	0.2	<0.05	8	<0.5
L34E 29N	Soil		5	24	0.81	86	0.109	2	3.16	0.014	0.14	10.2	0.05	2.5	0.3	<0.05	7	<0.5
L34E 28+50N	Soil		6	35	0.83	75	0.095	<1	3.37	0.011	0.06	7.3	0.06	2.8	0.1	<0.05	8	1.0
L34E 28N	Soil		6	34	0.86	73	0.092	<1	4.11	0.011	0.07	8.9	0.05	3.0	0.2	<0.05	8	1.0
L40E 54+50N	Soil		4	20	0.37	57	0.066	<1	1.98	0.011	0.07	13.5	0.05	1.6	<0.1	<0.05	9	<0.5
L40E 54N	Soil		4	23	0.36	50	0.071	1	1.78	0.009	0.07	17.0	0.07	1.4	0.1	<0.05	10	<0.5
L40E 53+50N	Soil		7	16	0.48	69	0.075	1	2.87	0.013	0.08	10.1	0.07	2.6	0.1	<0.05	11	0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



GEOCHEMICAL ANALYSIS CERTIFICATE



Happy Creek Minerals Ltd. PROJECT SB File # A706418 Page 1
2304 - 1066 W. Hastings S, Vancouver BC V6E 3X2 Submitted by: D. Ridley

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Tl	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	
G-1	.7	2.2	2.4	43	<1	6.9	4.1	542	1.79	<5	2.3	.5	4.2	49	<1	<1	.1	42	.46	.075	7	82	.60	193	.131	1	.93	.059	.47	.1	<.01	2.1	.4	<.05	5	<.5
BL33N 3600E	1.9	28.6	6.1	52	.8	10.0	6.0	238	2.77	4.3	1.2	2.1	.2	9	.5	.4	2	67	.10	.102	6	19	.44	47	.043	1	3.32	.008	.05	.2	.09	1.4	.1	.14	9	1.1
BL33N 3650E	3.7	24.2	7.7	32	.5	6.2	3.9	223	2.57	2.0	.7	3.8	.1	11	.2	.2	1.7	74	.11	.068	3	13	.24	54	.057	1	1.77	.009	.03	2.6	.06	.8	.1	.12	9	.5
BL33N 3700E	5.0	30.1	6.5	39	.3	9.0	4.7	456	2.05	2.0	.8	<.5	<.1	8	.2	.2	2.2	60	.09	.147	4	16	.29	43	.020	1	2.05	.008	.05	3.1	.06	.4	.1	.18	7	.6
BL33N 3750E	3.2	30.3	6.1	50	.2	18.3	7.5	448	2.69	3.3	.8	2.0	.2	11	.2	.3	1.2	76	.13	.081	4	30	.46	59	.053	1	2.52	.009	.04	2.0	.05	1.1	.1	.13	7	.7
BL33N 3800E	5.6	59.4	8.0	67	.4	14.7	7.4	615	3.19	2.8	1.0	.5	.2	11	.6	.2	3.5	84	.14	.102	5	21	.41	61	.048	1	2.72	.008	.06	4.7	.06	1.2	.2	.13	10	.7
BL33N 3850E	5.6	46.1	7.6	50	.3	12.4	6.8	319	3.88	4.0	1.5	1.5	.4	11	.9	.4	2.7	89	.13	.083	5	22	.49	41	.070	1	2.62	.012	.07	3.8	.06	1.7	.2	.08	10	.9
BL33N 3900E	6.1	32.4	7.2	43	.5	8.2	5.9	409	2.52	1.9	1.4	.7	.1	8	.7	.2	1.7	68	.08	.109	5	14	.32	39	.037	1	2.18	.011	.06	3.5	.08	.7	.2	.16	8	.7
BL33N 3950E	3.9	29.8	5.9	29	.4	7.0	4.6	238	2.39	1.8	1.3	<.5	.2	7	.4	.2	2.2	64	.09	.072	4	14	.22	32	.052	1	2.56	.009	.03	5.7	.06	1.0	.1	.14	7	<.5
BL33N 4000E	4.6	34.8	7.2	39	.5	8.7	8.3	462	2.42	1.8	1.4	<.5	.1	8	.7	.2	1.8	61	.09	.100	5	15	.28	37	.037	1	2.34	.011	.05	4.5	.07	.7	.1	.15	7	.8
BL33N 4050E	6.3	26.4	8.7	40	.3	7.6	6.1	519	2.99	2.0	1.1	.5	.4	10	.3	.2	1.9	86	.13	.062	4	14	.25	48	.075	1	2.02	.011	.04	2.6	.04	1.2	.2	.10	10	.6
BL33N 4100E	5.8	36.8	7.5	35	.4	7.1	5.5	359	2.67	2.0	1.2	1.0	.3	9	.4	.2	1.9	71	.10	.071	4	14	.26	46	.067	1	2.64	.012	.05	4.6	.08	1.2	.1	.12	9	.9
BL33N 4150E	4.6	34.0	6.1	33	.4	8.5	4.2	224	2.68	2.2	1.1	<.5	.3	10	.3	.2	2.4	69	.11	.062	5	17	.34	44	.073	1	3.24	.010	.05	5.9	.08	1.5	.2	.11	8	.8
BL33N 4200E	4.8	29.8	6.8	29	.3	6.9	4.0	182	2.90	2.4	.9	1.0	.3	9	.3	.2	2.3	86	.11	.057	4	15	.28	40	.075	1	2.24	.009	.03	3.4	.07	1.3	.1	.08	10	.8
BL33N 4250E	5.3	40.6	6.8	40	.2	9.3	5.4	235	3.09	3.2	1.0	<.5	.5	12	.4	.3	2.9	77	.14	.059	4	17	.35	60	.078	1	2.69	.009	.04	6.3	.06	1.5	.1	.09	9	.7
BL33N 4300E	5.7	34.0	9.9	43	.3	6.1	5.2	515	3.32	2.1	.7	<.5	.5	13	.4	.3	6.6	95	.11	.052	3	12	.29	73	.098	1	1.43	.010	.05	9.0	.07	1.4	.1	.07	10	<.5
BL33N 4350E	2.9	34.0	6.6	18	.5	5.1	2.9	100	1.72	1.2	.9	<.5	.1	8	.2	.1	.7	52	.06	.072	4	10	.16	31	.040	1	2.05	.012	.03	2.0	.08	.6	.1	.10	5	.6
BL33N 4400E	4.0	15.2	9.9	27	.2	5.6	3.0	124	2.61	1.8	.5	<.5	.5	10	.2	.3	1.1	78	.09	.034	3	11	.18	40	.102	1	1.29	.009	.03	1.1	.05	1.1	.1	<.05	9	<.5
BL33N 4450E	5.3	32.8	8.3	35	.5	7.0	4.7	281	3.12	2.8	.9	<.5	.5	11	.4	.3	1.5	77	.11	.057	3	14	.27	51	.082	1	2.41	.011	.04	3.0	.09	1.4	.1	.09	9	.7
BL33N 4500E	6.2	52.2	11.6	38	.8	5.8	5.4	271	2.46	2.1	.9	<.5	.2	12	.6	.2	1.2	62	.11	.060	4	11	.24	50	.066	1	1.79	.010	.04	1.6	.04	1.0	.1	.10	8	<.5
BL33N 4550E	4.0	23.6	9.8	36	.5	7.1	4.5	321	2.68	1.9	.7	2.4	.2	12	.6	.2	2.1	71	.12	.058	5	13	.23	48	.063	1	1.58	.011	.05	2.2	.04	.9	.1	.07	8	<.5
BL33N 4600E	5.1	50.6	13.2	42	.6	9.9	7.6	203	2.78	1.7	.9	3.4	.3	18	.5	.2	1.8	61	.13	.065	5	13	.28	55	.076	1	1.92	.012	.05	2.2	.04	1.2	.1	.07	9	<.5
RE BL33N 4600E	5.1	49.6	12.3	42	.6	10.2	7.2	198	2.65	1.8	.8	.9	.3	17	.5	.2	1.7	61	.12	.063	5	12	.27	54	.071	1	1.82	.012	.05	2.1	.04	1.3	.1	<.05	8	<.5
BL33N 4650E	2.4	24.4	10.7	27	.2	5.6	4.4	206	2.48	3.5	.6	1.5	.1	11	.3	.3	1.7	74	.11	.053	3	9	.16	63	.057	1	1.32	.010	.03	1.5	.04	.8	.1	.06	10	<.5
BL33N 4700E	5.7	24.4	7.7	41	.3	8.0	4.7	377	3.05	2.2	.7	<.5	.2	15	.6	.2	4.1	82	.16	.061	4	16	.28	51	.062	1	1.63	.010	.04	4.2	.08	1.0	.1	<.05	8	.6
BL33N 4750E	4.0	23.1	7.2	35	.3	7.5	5.4	414	2.84	2.1	.9	<.5	.1	14	.7	.2	2.3	74	.14	.068	5	14	.21	48	.059	1	1.42	.010	.05	2.5	.05	.9	.1	.09	8	.5
BL33N 4800E	5.9	31.4	9.3	54	.8	11.7	10.4	1060	2.89	2.5	1.2	1.6	.2	22	.8	.3	2.3	83	.21	.072	5	18	.37	55	.070	2	1.88	.013	.06	2.1	.04	1.3	.1	.09	8	<.5
BL33N 4850E	4.5	17.8	7.6	35	.4	7.2	4.3	199	2.45	2.2	.6	<.5	.1	15	.4	.2	1.6	72	.16	.051	4	14	.18	57	.068	1	1.15	.011	.04	1.8	.08	.8	.1	<.05	8	<.5
BL33N 4900E	5.9	44.7	8.4	59	1.1	11.1	8.1	393	2.78	2.2	1.5	<.5	.1	14	1.0	.2	3.3	68	.14	.076	6	17	.31	51	.052	1	2.21	.013	.05	4.1	.07	1.1	.1	.11	8	.5
BL33N 4950E	6.0	24.5	8.8	40	.5	10.1	6.4	371	2.96	2.6	.7	.8	.3	14	.5	.3	2.2	82	.16	.042	5	19	.28	57	.094	1	1.71	.012	.05	2.2	.05	1.4	.1	<.05	9	<.5
BL33N 5000E	5.2	24.3	7.2	39	.8	8.9	6.6	331	2.81	2.0	1.0	.9	.2	13	.7	.3	1.7	71	.16	.055	6	19	.25	51	.072	1	2.13	.012	.04	2.0	.07	1.2	.1	.09	8	.6
BL33N 5050E	3.1	29.8	9.9	28	1.1	8.8	3.2	122	.94	1.0	1.6	<.5	.1	23	.6	.2	1.3	35	.27	.067	8	18	.24	46	.043	1	1.78	.016	.04	1.3	.09	.8	.1	.10	8	<.5
BL33N 5100E	6.3	26.5	11.0	26	.9	7.7	3.5	177	1.78	1.1	1.0	.8	.2	15	.6	.2	1.5	62	.15	.043	5	15	.20	43	.087	1	1.75	.011	.04	1.7	.04	1.4	.1	.07	9	.5
BL33N 5150E	2.7	37.6	7.5	50	1.0	11.6	4.2	152	1.22	9	2.2	1.0	.1	24	.8	.2	2.4	39	.26	.110	9	18	.34	43	.032	1	2.28	.011	.07	4.7	.09	.9	.1	.16	6	.8
BL33N 5200E	26.0	52.3	8.5	70	.6	16.0	20.1	1874	5.98	4.6	1.9	44.8	.8	38	1.0	.3	2.9	170	.43	.112	8	27	.43	68	.059	1	3.43	.011	.07	4.8	.09	2.3	.2	.12	8	1.0
BL33N 5250E	2.9	24.8	6.6	29	.6	7.7	4.1	154	1.30	1.4	1.1	1.0	.1	29	.8	.2																				



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	Hg %	Ba ppm	Tl %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	7	2.0	2.4	43	<.1	7.1	4.1	535	1.77	<.5	2.2	1.3	4.1	49	<.1	<.1	.1	34	.45	.076	6	75	.60	199	.116	1	.95	.060	.49	.1	<.01	2.3	.4	<.05	5	<.5
BL33N 5400E	7.1	18.1	7.4	35	.6	6.6	5.8	342	2.47	2.2	.5	.6	.3	15	.3	.2	1.0	64	.15	.041	4	14	.23	53	.071	1	1.42	.011	.04	2.9	.06	1.1	.1	<.05	7	<.5
BL33N 5450E	5.2	19.9	8.6	46	2.2	6.7	7.2	718	2.85	2.3	.6	<.5	.2	25	6	2	6	69	.29	.056	3	13	.22	78	.051	1	1.09	.010	.05	.9	.05	.9	.1	<.05	8	<.5
BL33N 5500E	11.7	35.1	9.8	60	.7	11.0	12.5	1912	2.85	2.8	.9	<.5	.1	42	.8	.3	1.8	68	.37	.091	6	17	.38	84	.043	2	1.74	.014	.05	4.5	.07	.9	.1	.08	7	<.5
BL33N 5550E	4.4	24.6	10.0	49	.6	7.0	5.8	255	3.55	3.0	.6	<.5	.3	19	.7	.3	1.0	78	.22	.060	3	12	.28	60	.072	1	1.43	.010	.05	1.3	.06	1.1	.1	<.05	9	<.5
BL33N 5600E	8.9	23.8	7.6	52	5	9.0	7.5	668	2.51	1.8	.6	.8	.3	25	5	.2	1.8	65	.23	.067	4	14	.32	55	.066	2	1.46	.012	.05	4.5	.05	1.3	.1	<.05	7	<.5
L22E 7000N	1.6	25.6	8.3	23	2	4.8	3.2	91	2.05	2.4	.6	5.3	.1	10	1	.3	4	71	.10	.066	4	15	.19	41	.058	1	1.56	.010	.03	.2	.08	.8	.1	.07	9	.6
L22E 6950N	1.6	26.7	8.0	23	2	4.9	3.1	93	2.08	2.4	.7	2.2	.1	11	2	.3	4	72	.10	.064	4	16	.19	39	.054	1	1.60	.012	.03	.2	.08	.9	<.1	.07	10	.7
L22E 6900N	1.8	29.9	7.1	28	.3	5.7	3.7	251	2.34	2.3	.7	1.9	.1	9	2	.2	4	75	.08	.085	3	15	.21	41	.040	1	1.48	.012	.04	.5	.06	.7	.1	.08	8	.6
L22E 6850N	2.1	35.3	8.0	49	.6	9.6	9.9	1248	2.42	3.8	1.1	.7	<.1	20	.8	.3	.3	65	.22	.154	4	17	.27	67	.014	2	1.76	.015	.05	.3	.06	.4	.1	.15	6	.7
L22E 6800N	2.3	35.4	8.3	49	.6	8.6	10.4	1565	1.94	3.4	1.1	.7	<.1	22	.8	.3	.3	53	.25	.202	4	16	.24	71	.011	1	1.84	.014	.05	.3	.06	.3	.1	.20	5	.6
L22E 6750N	2.0	37.4	6.9	38	7	10.3	14.9	706	2.23	3.6	1.3	1.0	<.1	19	6	.4	.3	62	.22	.133	5	20	.37	46	.024	20	1.76	.017	.05	.5	.06	.6	.1	.16	6	.7
L22E 6700N	2.2	34.0	6.4	34	8	9.4	14.3	689	1.98	3.4	1.4	1.0	<.1	18	5	.3	.3	56	.21	.141	5	19	.32	44	.017	1	1.71	.017	.05	.5	.05	.4	.1	.17	5	.6
L22E 6650N	3.6	44.5	7.0	43	.5	12.1	6.0	391	2.71	9.8	1.1	1.5	.1	19	4	.4	4	81	.18	.075	5	25	.36	55	.054	2	1.89	.015	.05	.5	.04	1.1	.1	.08	8	.5
L22E 6600N	3.4	39.4	6.8	40	.6	11.8	5.8	381	2.64	9.3	1.0	6.8	.1	20	4	.4	4	79	.18	.080	5	24	.34	57	.054	1	1.85	.015	.05	.4	.04	1.0	.1	.08	8	.6
L22E 6550N	1.8	33.9	5.3	36	4	7.1	4.9	346	2.92	3.1	.6	2.9	<.1	11	.3	.3	.3	89	.11	.088	3	19	.24	61	.036	1	1.68	.012	.04	.2	.04	.6	.1	.09	7	<.5
L23E 7000N	1.4	40.5	6.7	34	2	7.8	5.8	260	3.28	3.4	.6	3.5	.1	11	3	.4	.3	101	.11	.082	3	18	.28	57	.068	1	1.91	.010	.04	.3	.08	1.0	.1	.09	9	.6
L23E 6950N	9	16.2	9.6	15	2	3.1	2.0	69	1.38	1.2	.4	2.3	.1	8	1	2	1.6	52	.06	.043	3	10	.11	45	.053	<.1	1.03	.009	.02	4	.04	.7	<.1	.06	8	<.5
L23E 6900N	1.7	27.4	7.0	28	.3	5.4	3.5	199	1.83	2.3	.5	.7	.1	15	3	.3	.3	66	.15	.090	3	12	.22	52	.047	1	1.17	.011	.05	2	.03	.7	<.1	.11	7	<.5
L23E 6850N	1.9	24.2	7.4	25	2	5.6	3.7	161	2.18	1.6	.6	2.5	<.1	16	2	.2	6	76	.14	.085	3	14	.21	46	.050	1	1.35	.013	.04	.2	.03	.7	.1	.10	8	<.5
L23E 6800N	1.5	42.9	5.9	21	.9	6.0	3.2	110	1.69	1.6	.9	3.2	<.1	9	4	.3	.3	45	.08	.100	6	13	.20	36	.028	1	2.57	.012	.03	.4	.09	.7	.1	.12	6	.7
L23E 6750N	1.1	17.1	8.0	20	.4	4.2	2.0	83	1.00	1.2	.7	1.4	<.1	12	.2	.2	.3	30	.08	.079	5	15	.13	46	.034	1	1.25	.011	.03	.1	.04	.5	.1	.10	6	<.5
L23E 6700N	2.4	38.0	6.6	49	4	12.2	7.2	587	3.01	4.3	1.5	2.2	<.1	23	4	.4	.3	94	.27	.138	5	22	.38	68	.027	1	1.79	.011	.06	.4	.04	.6	.1	.14	8	.8
L23E 6650N	2.0	34.8	6.0	32	4	7.1	6.9	539	2.90	4.0	.7	3.0	.1	11	3	.3	.3	87	.13	.134	3	17	.23	53	.037	1	2.00	.009	.04	4	.12	.9	.1	.09	7	.6
L23E 6600N	2.4	33.9	4.9	40	9	9.0	5.1	239	2.26	8.3	1.5	4.2	.1	19	3	.4	.3	72	.20	.147	6	16	.29	44	.030	1	2.44	.013	.05	.4	.06	.8	<.1	.18	5	.8
L23E 6550N	3.0	26.9	6.1	28	.3	7.2	6.2	481	2.36	3.4	.9	3.7	.1	16	.3	.3	.3	74	.13	.098	4	18	.19	39	.041	1	1.16	.011	.07	5	.03	.8	.1	.13	6	.6
L24E 7000N	1.7	61.3	5.8	47	3	10.6	7.1	231	4.43	4.8	.6	3.4	.4	14	3	.4	.3	126	.14	.077	3	23	.42	66	.098	1	2.57	.008	.04	4	.11	1.8	<.1	.09	9	.8
L24E 6950N	2.0	26.7	5.7	29	.5	7.2	4.1	164	1.95	2.0	.8	.9	.1	13	2	.3	.3	58	.11	.081	4	14	.26	43	.048	<.1	1.58	.010	.03	.3	.06	.8	.1	.12	7	.7
L24E 6900N	1.7	46.2	5.6	45	5	24.3	9.1	246	3.53	5.4	1.1	4.4	.5	17	.2	.5	.4	107	.23	.122	7	35	.61	82	.080	1	2.98	.011	.05	6	.05	2.1	.1	.06	8	1.0
RE L24E 6900N	1.7	47.5	6.1	42	.5	25.5	8.9	249	3.72	5.1	1.1	4.0	.5	17	.2	.5	.4	112	.24	.124	7	35	.60	78	.080	1	2.85	.011	.05	.6	.06	2.1	.1	<.05	8	1.1
L24E 6800N	1.5	32.8	7.2	36	3	11.6	5.5	291	2.90	5.6	.7	1.2	.1	10	2	.4	2	73	.10	.104	4	22	.30	52	.047	1	1.88	.008	.03	.2	.07	.9	.1	.09	8	.8
L24E 6800N	1.2	20.4	7.4	24	2	4.9	2.9	270	1.59	1.6	5	28.6	1	10	1	3	3	58	.09	.063	3	14	.16	44	.058	1	.95	.011	.05	.2	.03	.8	.1	.07	7	.5
L24E 6750N	2.4	37.0	6.5	39	.4	10.4	5.7	375	2.97	2.8	1.0	3.7	.1	11	3	.3	.3	91	.11	.098	5	22	.29	55	.052	1	2.15	.010	.04	4	.05	1.0	.1	.10	9	.6
L24E 6700N	2.2	52.3	5.1	53	4	12.9	9.5	645	3.64	6.2	1.3	5.9	.1	18	.3	.5	.3	109	.23	.115	5	24	.45	66	.047	1	2.15	.011	.06	4	.04	1.2	.1	.12	7	.8
L24E 6650N	1.7	54.1	4.4	49	.4	11.4	8.0	338	3.41	4.7	.9	171.1	.3	12	.2	.4	.3	106	.14	.074	4	22	.43	70	.059	1	2.56	.009	.05	.3	.05	1.6	.1	.09	7	.7
L24E 6600N	2.3	41.0	6.9	30	.4	9.9	4.3	207	2.13	2.6	1.0	1.3	.2	10	3	.3	.3	61	.11	.076	7	18	.28	45	.048	1	2.08	.011	.04	.4	.04	1.1	.1	.11	8	.6
L24E 6550N	1.0	44.2	4.5	37	.2	8.8	6.9	221	3.53	3.0	.7	5.9	.4	12	1	.3	.3	111	.11	.109	4	21	.37	61	.074	1	2.56	.011	.04	4	.05	2.0	.1	<.05	8	.8
L25E 7000N	1.9	40.6	6.0	29	2	7.0	4.8	163	2.60	2.5	.6	7.6	.1	10	1	.3	.3	79	.09	.085	3	19	.27	55	.046	1	2.04	.009	.03	4	.06	.8	<.1	.06	8	.6
STANDARD D57	19.7	113.2	69.3	398	.8	56.4	9.4	651	2.38	50.4	4.8	65.3	4.4	77	6.3	6.1	4.7	87	.99	.080	13	204	1.06	378	.123	44	1.03	.093	.43	4.2	.20	2.8	4.1	.22	5	3.8

Sample type: SDIL SS80 60C. Samples beginning "RE" are Reruns and "RRE" are Reject Reruns.



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	2.5	2.7	42	<1	8.4	4.1	552	1.78	<5	2.4	1.3	4.4	54	<1	<1	.1	38	45	.084	7	107	.56	184	118	1	.92	.073	.45	1	<.01	2.3	.3	<.05	4	<.5		
L25E 6950N	2.2	36.1	5.6	17	1.3	4.1	1.9	61	1.36	1.8	1.2	2.2	.1	8	.4	.3	.2	31	.07	.136	5	11	.09	30	.018	1	2.82	.010	.03	2	.11	.6	.1	.17	5	.9		
L25E 6900N	3.9	30.5	7.7	38	1.0	8.6	4.6	266	2.22	4.1	1.4	4.5	.1	13	.2	.3	.4	72	.12	.123	7	16	.30	44	.037	1	1.82	.010	.04	4	.04	.8	.1	.13	8	.7		
L25E 6850N	2.6	37.9	7.1	37	.2	12.9	6.0	266	3.38	3.5	.6	10.1	.3	13	.2	.4	.6	118	.12	.057	3	25	.37	54	.086	1	1.71	.010	.04	9	.04	1.2	.1	.07	9	<.5		
L25E 6800N	1.8	40.0	6.8	31	.2	9.5	5.5	153	3.35	3.9	.7	11.2	.3	12	.1	.3	.3	108	.15	.134	4	22	.33	56	.064	1	2.45	.009	.03	6	.07	1.5	.1	.10	8	.8		
L25E 6700N	1.6	27.9	7.3	26	.3	6.2	4.6	264	2.54	2.2	.6	5.7	.1	11	.1	.3	.4	95	.12	.068	4	17	.22	51	.060	1	1.67	.009	.03	3	.03	.9	.1	.10	10	<.5		
L25E 6650N	1.6	33.2	6.4	28	5	7.7	4.9	142	2.80	3.1	.6	1.1	.1	9	.1	.3	.3	89	.09	.067	3	19	.25	49	.051	1	1.89	.010	.03	2	.05	.9	.1	.11	8	.5		
L25E 6600N	1.7	16.1	8.3	29	1	3.9	2.3	137	1.48	1.6	.5	3.3	.1	8	.1	.2	.3	56	.07	.069	3	11	.15	31	.042	1	1.17	.009	.03	2	.04	.5	.1	.09	7	.5		
L25E 6550N	1.8	36.7	5.7	39	.2	11.8	5.9	284	2.96	3.8	.6	27.3	.1	10	.2	.3	.6	92	.10	.082	4	26	.37	46	.058	1	2.22	.009	.04	5	.05	1.0	.1	.09	9	.5		
L26E 7100N	2.0	86.0	5.3	51	4	24.9	10.9	408	3.42	8.2	2.0	7.8	.8	28	1	.7	.4	117	.34	.134	9	44	.74	71	.097	1	2.80	.014	.08	9	.05	2.8	.1	<.05	6	.8		
L26E 7050N	2.3	49.7	9.2	58	5	19.7	9.1	396	3.21	6.1	1.3	4.1	.3	14	.3	.5	.4	83	.14	.111	8	37	.59	64	.066	2	3.15	.013	.05	5	.06	1.9	.1	.06	9	1.0		
L26E 6950N	1.8	59.0	4.9	49	.3	12.0	6.9	451	3.24	4.1	1.3	4.8	.2	12	.3	.4	.5	108	.14	.125	6	24	.46	75	.069	2	2.76	.011	.05	4	.04	1.5	.1	.10	8	1.0		
L26E 6900N	2.4	51.3	5.7	52	3	17.2	9.4	347	3.45	4.5	.9	9.2	.2	13	.2	.5	.4	107	.13	.081	4	32	.58	79	.080	2	2.44	.012	.06	5	.04	1.5	.1	.08	10	.8		
L26E 6850N	1.5	31.1	6.6	32	2	7.2	5.3	212	2.73	2.8	.5	1.3	.1	9	.1	.3	.3	88	.10	.083	3	18	.29	45	.055	1	1.69	.012	.04	2	.04	1.1	.1	.07	9	<.5		
L26E 6800N	1.8	50.2	6.9	37	1.0	11.9	6.2	224	2.98	4.6	1.5	1.4	.1	11	.4	.4	.3	78	.10	.130	6	25	.33	44	.032	1	2.63	.013	.04	3	.06	.7	.1	.14	8	.9		
L26E 6750N	1.4	14.4	6.8	11	.8	3.1	2.1	52	1.08	1.5	.9	1.2	<.1	8	.2	.2	.2	30	.06	.079	6	12	.14	27	.040	1	2.23	.014	.02	1	.05	.6	.1	.11	7	.9		
L26E 6700N	1.6	71.3	6.8	51	8	20.5	10.2	291	3.69	5.6	1.4	3.2	.3	15	.3	.5	.3	105	.16	.116	8	34	.61	78	.070	1	3.26	.013	.06	6	.07	1.8	.1	.09	8	1.2		
L26E 6650N	1.8	37.8	4.5	36	2	12.8	7.5	443	3.65	4.3	.7	1.3	.2	14	.2	.4	.4	134	.23	.172	4	26	.36	66	.059	1	2.20	.011	.05	4	.05	1.2	.1	.09	8	.9		
L26E 6600N	1.5	42.2	5.9	39	3	10.0	5.1	175	2.49	3.3	.8	4.5	.2	10	.2	.3	.2	80	.13	.083	6	20	.36	44	.059	1	2.35	.010	.03	4	.05	1.3	.1	.08	8	.7		
L26E 6550N	1.2	40.0	7.1	33	2	7.7	4.5	248	2.94	2.8	.7	2.8	.2	9	.2	.3	.5	90	.11	.082	4	20	.27	50	.085	1	2.22	.012	.03	4	.04	1.3	.1	<.05	10	.7		
L26E 6500N	9	55.4	5.7	49	1	11.1	6.5	277	3.17	3.0	.6	6.8	.3	11	.2	.3	.4	103	.17	.080	4	24	.42	53	.091	1	2.78	.012	.04	3	.05	1.6	.1	<.05	8	.8		
L26E 6450N	1.2	66.2	5.8	56	1	15.0	8.2	296	3.57	3.8	.7	6.2	.5	12	.1	.3	.4	107	.20	.111	6	30	.53	56	.092	1	3.28	.012	.05	3	.05	2.2	.1	<.05	8	1.0		
L26E 6400N	1.7	26.5	4.9	44	.3	17.4	6.9	242	2.83	4.3	.9	8.4	.3	15	.2	.3	.2	70	.16	.090	7	31	.50	51	.057	1	2.68	.010	.04	2	.06	1.6	.1	.08	7	.8		
L26E 6350N	1.1	69.3	4.9	44	2	11.5	7.6	256	3.62	3.7	.9	6.3	.4	14	.2	.3	.4	103	.20	.164	4	26	.45	74	.068	<.1	3.00	.012	.04	4	.06	1.5	.1	.07	8	1.0		
L26E 6300N	2.1	27.0	6.3	50	3	5.1	5.0	890	1.85	2.4	.6	1.9	<.1	9	.2	.3	.2	46	.08	.108	3	10	.24	43	.029	1	1.45	.012	.04	2	.05	.4	.1	.11	7	<.5		
L26E 6200N	5.5	294.0	18.7	583	6	12.0	11.3	474	2.48	7.4	1.8	6.9	.1	29	13.3	.4	.8	66	.58	.099	7	19	.41	46	.056	2	1.90	.014	.06	1	3	.09	1.0	.1	.08	9	.5	
L26E 6150N NR																																						
L26E 6100N	2.2	104.3	32.4	278	2.2	9.7	13.1	742	3.72	26.1	.8	180	.8	2	42	1.3	7	2.4	77	.40	.080	3	16	.60	88	.075	1	2.29	.011	.09	1.7	.06	1.4	.1	.10	8	<.5	
L26E 6050N	3.0	70.8	16.3	444	5	10.4	16.5	947	5.94	19.5	.7	14.4	.7	21	2.8	.5	3.6	160	.22	.060	3	14	1.20	86	.218	1	3.23	.013	.11	1.2	.07	2.9	.2	.11	12	<.5		
L27E 7000N	1.7	19.8	8.0	27	.3	9.8	3.5	165	1.49	2.2	.8	<.5	.1	8	.2	.2	.2	38	.07	.174	4	20	.29	29	.030	2	1.52	.013	.05	2	.05	.5	.1	.09	5	.8		
L27E 6950N	1.5	53.3	6.5	44	1	11.7	7.3	212	4.12	4.1	.6	15.3	.3	13	.2	.4	.4	129	.15	.090	3	26	.45	55	.109	1	2.12	.011	.04	5	.06	1.7	.1	.08	11	.7		
L27E 6900N	1.3	36.0	7.8	32	<.1	8.0	5.4	143	3.27	2.7	.6	1.1	.1	10	.1	.3	.4	106	.11	.073	3	21	.28	46	.088	1	1.40	.010	.03	3	.05	1.3	.1	.07	11	.6		
L27E 6850N	.6	12.0	9.2	11	.1	2.1	1.0	35	.70	1.0	.5	.8	<.1	7	.1	.1	.3	29	.04	.041	5	10	.04	33	.036	1	.77	.013	.02	1	.03	.4	.1	<.05	6	<.5		
L27E 6800N NR																																						
L27E 6750N	2.8	44.1	8.5	25	1.0	8.4	3.8	186	1.67	3.3	2.1	1.0	<.1	9	.4	.3	.2	36	.10	.167	6	16	.20	37	.019	1	2.28	.013	.04	2	.09	.4	.1	.17	6	1.4		
L27E 6700N	1.5	22.7	7.0	24	.2	4.3	2.8	113	1.86	1.3	.6	2.4	<.1	11	.1	.2	.3	55	.09	.087	4	16	.15	59	.031	1	1.29	.012	.04	1	.05	.6	.1	.07	7	<.5		
L27E 6650N	1.4	23.5	7.9	24	.1	4.8	2.7	109	2.03	1.6	.6	3.0	<.1	11	.2	.2	.3	62	.09	.093	4	18	.13	59	.031	<.1	1.34	.013	.04	1	.05	.6	.1	.10	7	.5		
STANDARD 057	21.2	108.3	69.1	409	8	60.2	9.7	631	2.38	49.2	4.8	76.5	4.5	76	6.6	6.2	4.5	93	.96	.082	13	211	1.05	360	.126	39	1.00	.089	.41	4.1	.20	2.7	4.1	.20	5	3.8		

Sample type: SOIL SS80 60C



Happy Creek Minerals Ltd. PROJECT SB FILE # A706418

Page 4



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	2.7	3.8	42	< 1	8.0	4.1	525	1.88	.6	2.4	2.7	4.6	78	< 1	< 1	.1	37	54	076	8	97	58	215	118	2	1.22	194	.68	.1	<.01	7.4	.4	<.05	5	<.5
L27E 6600N	1.0	58.9	5.7	55	.1	12.5	7.9	326	3.77	3.5	.5	8.9	.3	14	.2	.3	.5	107	17	072	4	21	49	73	073	3	2.43	012	.05	.4	0.5	1.6	.1	.08	10	<.5
L27E 6550N	1.1	73.5	4.6	80	.4	35.9	11.3	449	3.55	4.2	.9	7.3	1.5	14	.3	.4	103	29	129	6	64	99	109	136	2	4.06	017	.17	.4	0.7	2.6	.2	<.05	8	.6	
L27E 6500N	1.7	38.6	7.2	34	.3	8.5	4.5	200	2.64	2.5	.6	4.0	.2	11	.2	.3	.4	72	11	079	5	18	.33	47	047	1	2.58	010	.04	.3	0.5	1.1	.1	.08	10	.7
L27E 6450N	1.3	50.1	5.8	56	.1	11.7	6.3	280	3.17	2.7	.6	3.3	.4	11	.2	.3	.4	87	14	065	4	21	.44	56	079	2	2.39	010	.05	.3	0.4	1.6	.1	<.05	10	<.5
L27E 6400N	1.1	64.2	5.2	50	.4	12.4	7.0	268	3.34	3.6	.9	5.6	.4	12	.2	.3	.4	88	14	075	4	22	.50	78	071	2	3.10	010	.05	.5	0.5	1.8	.1	<.05	9	.7
L27E 6350N	2.1	37.9	7.0	45	.6	10.6	7.6	481	2.42	3.9	2.2	3.6	.1	25	5	.4	.3	57	23	148	9	18	.38	61	019	2	2.47	014	.05	.6	0.7	.8	.1	.13	7	.5
L27E 6300N	2.0	26.9	6.7	88	.3	11.8	9.0	769	2.60	3.8	.9	2.7	.1	18	4	.6	.2	70	16	096	4	21	.72	63	043	2	2.12	009	.09	.2	0.4	.8	.1	.08	8	<.5
L27E 6250N	1.4	39.1	7.4	52	.7	7.8	5.7	363	2.53	3.7	.9	6.2	.1	13	.6	.3	.6	65	12	086	4	12	.27	62	037	2	1.74	011	.05	.3	0.5	.7	.1	.09	8	<.5
L27E 6200N	1.3	89.0	10.5	286	1.0	8.3	17.9	919	3.62	9.0	.8	47.0	.4	36	1.5	.5	1.0	89	.33	071	4	9	.87	94	075	2	2.70	011	.12	.6	0.8	1.6	.2	<.05	7	.7
L27E 6150N	1.8	149.4	21.6	375	1.2	6.5	21.8	1267	3.69	16.6	.8	117.1	.3	53	2.6	.9	4.1	81	.52	088	3	7	.82	148	044	1	2.89	009	.19	1.0	.05	1.7	.1	<.05	8	<.5
L27E 6100N	3.0	151.9	19.5	341	.9	7.7	22.3	1229	3.75	13.5	.8	60.9	.3	41	3.0	.6	3.8	88	.38	106	3	8	.81	142	055	1	2.87	013	.12	1.4	.05	1.6	.1	.06	7	.5
L27E 6050N	2.8	97.5	17.4	327	.9	14.4	13.2	754	3.93	12.7	.9	31.2	.6	28	2.6	.7	3.4	91	.34	047	3	15	.97	59	112	3	2.80	011	.12	.8	0.8	2.5	.1	<.05	9	.5
L28E 7250N	2.2	54.1	7.4	43	3	17.1	9.5	377	4.17	4.1	.7	3.8	.4	20	.2	.5	.4	123	15	039	3	26	.53	89	123	1	2.15	012	.05	.4	0.4	2.0	<.1	<.05	12	<.5
L28E 7200N	3.6	76.5	6.2	61	.6	17.2	13.6	818	2.85	9.3	2.1	5.0	.1	31	.3	.8	.4	89	.42	171	7	29	.62	60	018	2	2.29	013	.08	1.0	.07	.7	.1	.09	6	1.0
L28E 7150N	2.2	30.1	9.3	43	2	9.2	4.3	357	1.96	3.6	.5	2.3	.1	24	.3	.4	.4	79	40	066	2	16	.29	83	059	3	.99	013	.06	.5	.17	1.1	<.1	.06	8	<.5
L28E 7100N	2.8	93.9	6.6	54	4	13.8	9.6	532	3.73	5.3	.8	11.7	.2	15	.2	.5	.5	105	.15	088	4	22	.68	70	070	1	2.48	012	.10	.8	0.5	1.8	.1	<.05	10	.7
L28E 7050N	2.3	35.6	6.9	37	3	17.9	7.1	488	2.88	4.0	1.0	5.7	.1	12	.3	.4	.3	79	10	092	4	25	.40	54	053	2	1.99	010	.05	.4	0.7	.9	.1	<.05	8	.5
L28E 7000N	3.2	93.8	6.4	73	8	22.8	16.0	865	3.18	10.8	2.7	9.4	.1	39	.3	.9	.4	95	.57	159	9	33	.74	72	025	2	2.57	015	.08	1.0	0.8	1.1	.1	.08	7	1.1
L28E 6950N	2.2	25.1	7.5	41	3	7.9	6.0	565	3.14	3.3	1.3	1.3	.1	12	.6	.3	.3	67	10	114	4	16	.27	57	026	1	1.80	010	.05	.3	0.5	.7	.1	<.05	9	.5
L28E 6900N	1.3	17.5	7.9	27	.3	5.4	3.1	175	2.26	2.3	.6	5.8	.1	11	.2	.2	.3	56	09	071	5	12	.27	55	036	1	1.77	013	.04	.1	.05	.7	.1	<.05	9	<.5
L28E 6850N	2.2	40.1	6.2	41	2	13.2	6.7	209	3.68	4.3	1.0	3.8	.2	11	.3	.4	.3	97	12	067	5	24	.46	54	059	2	2.69	010	.05	.3	0.6	1.4	.1	<.05	11	<.5
L28E 6800N	1.9	28.8	5.8	33	.3	10.8	4.6	164	2.63	3.2	.6	4.8	.1	14	.2	.3	.2	79	15	088	4	25	.30	51	039	1	1.82	011	.04	.8	0.5	.9	.1	.06	9	.5
L28E 6750N	1.6	54.8	5.5	47	2	11.5	7.1	229	3.90	3.9	.8	3.3	.6	16	.2	.4	.4	115	22	098	5	21	.46	74	085	1	3.21	010	.05	.5	0.6	2.2	.1	<.05	8	1.0
L28E 6700N	1.6	37.9	7.6	38	.6	8.9	3.8	290	1.84	3.2	1.5	3.1	.1	13	.4	.3	.3	51	13	096	6	17	.25	42	031	1	1.99	013	.04	.2	0.4	.7	.1	<.05	7	.6
L28E 6650N	1.3	59.9	5.5	48	3	13.5	8.3	385	3.32	3.6	1.1	6.4	.3	13	.3	.4	.3	92	.20	115	6	25	.47	83	066	2	2.73	012	.06	.2	0.4	1.8	.1	<.05	8	<.5
L28E 6600N	.9	46.9	5.7	53	.3	15.5	7.5	373	2.95	3.6	.7	5.0	.4	13	.2	.3	.3	81	.18	085	6	31	.54	63	073	1	2.61	010	.06	.2	0.5	1.9	.1	<.05	9	.7
L28E 6550N	1.9	71.0	6.0	49	.6	15.0	7.4	302	3.34	3.4	1.4	9.6	.5	12	.3	.4	.4	93	.19	099	7	27	.51	66	068	1	2.70	010	.08	.3	0.5	2.0	.1	<.05	9	.8
L28E 6500N	1.4	48.1	5.8	48	.2	10.6	5.5	200	3.05	2.5	.7	6.6	.3	12	.2	.3	.4	84	.16	082	5	21	.42	53	068	1	3.05	011	.05	.3	0.7	1.6	.1	<.05	9	<.5
L28E 6450N	1.4	52.9	5.2	117	.3	23.2	7.4	331	3.37	4.5	.7	5.5	.2	16	.3	.6	.4	93	.23	075	3	43	.58	71	090	1	2.27	011	.06	.3	0.6	1.3	.1	<.05	10	.7
RE L28E 6450N	1.4	45.8	5.4	102	.3	23.0	7.0	322	3.27	4.2	.8	2.7	.2	15	.4	.6	.4	87	.24	076	3	41	.57	65	094	1	2.24	012	.06	.2	0.6	1.3	.1	<.05	10	.7
L28E 6400N	1.9	36.6	7.7	63	.3	12.2	6.5	478	3.13	2.7	.9	3.5	.2	25	.6	.3	.4	87	.25	084	4	23	.36	77	049	1	1.63	011	.06	.3	0.3	1.1	.1	.07	9	<.5
L28E 6350N	1.1	24.5	12.3	59	.4	12.9	5.7	263	2.74	6.4	.7	5.7	.4	12	.3	.3	.2	63	12	064	7	23	.38	52	057	1	2.49	010	.04	.6	0.6	1.6	.1	<.05	9	<.5
L28E 6300N	1.6	28.6	6.2	53	.5	11.8	5.5	367	2.20	2.8	.9	13.7	.1	15	.6	.3	.3	53	.14	110	5	21	.27	66	025	1	2.02	010	.05	.2	0.6	.5	.1	.09	8	<.5
L28E 6250N	1.8	38.2	8.7	96	.4	11.7	9.6	851	3.06	3.0	.9	3.9	.1	40	1.3	.3	.6	74	.46	115	5	20	.37	112	028	2	1.69	010	.11	.2	0.3	.8	.1	.09	10	<.5
L28E 6200N	1.3	113.0	7.4	133	.2	24.9	26.7	1078	3.95	9.6	.9	10.8	.7	42	.4	1.0	.4	96	.56	075	4	43	1.32	105	118	1	2.69	011	.34	.5	0.4	2.4	.2	.06	8	<.5
L28E 6150N	1.7	81.7	27.0	136	.4	11.8	20.9	1312	3.14	19.1	.6	8.9	.2	58	.9	.6	1.1	75	.59	110	3	18	.73	149	0											



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	ppm
G-1	9	2.4	3.1	41	<.1	8.6	3.6	469	1.83	.6	2.4	4.4	4.3	69	<.1	<.1	.1	36	.49	.074	8	95	.59	194	109	3	1.08	.147	.55	.1	<.01	4.6	.3	<.05	5	<.5
L29E 7200N	6.9	73.2	7.5	60	.4	19.8	12.1	368	3.53	5.0	1.1	5.7	.4	40	.2	.6	.5	144	.44	.087	6	28	.79	102	.091	2	2.88	.015	.10	.7	.07	2.8	.1	.10	9	<.5
L29E 7150N	2.3	48.3	7.0	32	.4	7.8	4.0	114	2.60	2.7	.7	3.5	.2	13	1.7	.3	.3	86	.11	.063	4	16	.25	41	.058	2	1.86	.007	.04	.5	.11	1.1	<.1	.10	9	<.5
L29E 7100N	1.9	22.3	10.5	12	<.1	4.8	2.1	49	1.25	2.0	.5	5.1	<.1	10	.1	.3	.4	55	.06	.043	4	12	.08	44	.047	1	1.19	.006	.02	.4	.07	.7	<.1	.07	7	<.5
RE L29E 7100N	1.9	20.9	10.5	12	<.1	4.3	1.9	42	1.09	1.8	.5	4.3	.1	9	.1	.2	.4	51	.05	.039	4	11	.08	43	.039	1	1.12	.008	.02	.4	.06	.6	<.1	.07	7	<.5
L29E 7050N	2.2	39.8	6.9	31	.1	11.8	6.2	268	3.31	4.2	.6	6.2	.2	14	.4	.4	.3	101	.12	.055	3	23	.35	79	.071	2	1.76	.008	.04	.7	.12	1.4	.1	.07	8	<.5
L29E 7000N	2.1	45.4	8.0	48	1.0	21.0	7.2	210	2.69	5.4	1.4	4.0	.1	20	.2	.6	.4	97	.25	.102	7	44	.63	83	.036	2	2.59	.013	.08	.3	.08	1.2	.1	.09	8	.5
L29E 6950N	3.7	30.4	8.1	42	.3	11.5	7.0	634	2.30	6.2	1.2	4.2	.1	15	.3	.4	.3	75	.11	.106	6	21	.33	51	.025	2	1.64	.009	.06	6	.04	.6	.1	.11	8	.5
L29E 6900N	1.8	42.1	5.8	33	.5	10.8	5.3	220	2.36	4.0	1.6	3.4	.1	12	.3	.4	.2	67	.11	.098	6	20	.33	47	.027	2	2.69	.009	.04	.4	.09	.9	.1	.11	7	<.5
L29E 6850N	2.9	34.3	6.2	40	.2	8.1	5.3	296	2.47	3.5	.7	2.6	.1	14	.3	.3	.4	84	.11	.073	4	18	.29	71	.043	1	1.21	.009	.06	.4	.11	1.0	.1	.07	8	<.5
L29E 6800N	1.9	63.2	4.8	54	.4	13.1	8.6	429	3.51	4.1	1.2	3.8	.2	14	.3	.4	.4	97	.15	.086	4	20	.54	72	.062	1	2.40	.011	.08	.3	.06	1.5	.1	.12	9	.7
L29E 6750N	2.4	36.6	5.1	42	.4	10.5	4.9	299	2.62	3.5	1.2	5.9	.1	16	.2	.3	.3	78	.16	.114	4	19	.36	51	.034	2	1.92	.011	.06	.2	.06	.9	.1	.15	7	<.5
L29E 6700N	2.1	46.5	6.3	42	.6	11.7	6.3	334	2.43	3.4	1.4	3.0	.1	13	.3	.3	.3	65	.12	.110	6	17	.40	50	.036	2	2.10	.011	.06	.2	.05	1.0	.1	.12	8	<.5
L29E 6650N	1.7	26.3	21.7	54	1.4	11.5	4.3	216	1.63	4.7	1.3	8.0	.1	19	.3	.4	.2	45	.20	.112	4	24	.47	44	.021	2	2.33	.010	.05	1	.09	.7	.1	.13	8	<.5
L29E 6600N	3.1	49.1	5.7	51	.4	9.4	5.0	353	2.37	5.0	1.1	4.9	.1	18	.9	.4	.4	66	.23	.124	4	18	.35	40	.023	1	1.66	.011	.06	.3	.04	.6	.1	.11	8	<.5
L29E 6550N	2.6	43.7	7.9	80	.3	19.6	6.2	380	2.86	5.0	.8	13.6	.2	11	.5	.4	.5	75	.13	.096	4	32	.51	57	.048	1	2.32	.011	.07	.3	.04	1.2	.1	.09	9	<.5
L29E 6500N	1.7	43.3	4.6	44	.4	8.4	5.2	280	3.57	3.1	.9	3.8	.2	11	.4	.3	.5	91	.14	.093	3	20	.36	54	.049	2	2.26	.009	.05	.3	.06	1.1	.1	.10	11	.7
L29E 6450N	3.0	31.4	6.9	60	.3	7.1	5.7	1256	2.63	3.5	1.0	17.7	.1	17	2.2	.3	.4	73	.17	.122	4	18	.22	53	.019	2	1.27	.007	.07	.3	.05	.4	.1	.13	8	.6
L29E 6400N	1.9	33.5	6.1	43	.5	7.3	4.1	373	2.63	2.4	.8	2.9	.1	11	.9	.2	.4	68	.10	.096	4	17	.22	48	.023	1	1.85	.009	.05	.3	.05	.7	.1	.11	8	<.5
L29E 6350N	1.3	29.2	7.6	57	.6	12.4	4.2	186	2.18	3.1	.9	3.1	.2	12	.6	.3	.3	51	.10	.063	7	22	.38	39	.047	2	2.26	.008	.04	.2	.06	1.2	.1	.08	8	.5
L29E 6300N	1.9	35.2	7.3	66	.8	8.6	9.2	721	1.87	2.9	1.2	4.1	.1	14	1.1	.3	.3	51	.14	.124	5	14	.27	52	.019	2	2.27	.010	.06	.3	.05	.6	.1	.13	6	<.5
L29E 6250N	2.0	37.1	5.1	54	.5	9.2	5.4	295	3.26	3.5	.8	4.1	.2	15	.6	.3	.5	77	.16	.078	4	18	.36	62	.052	1	2.24	.009	.05	.3	.06	1.2	.1	.10	10	.5
L29E 6200N	1.5	35.7	5.9	63	.4	16.7	7.1	326	3.67	4.5	.6	4.1	.1	24	.3	.3	.4	93	.25	.091	3	34	.47	58	.046	1	1.87	.008	.06	.2	.07	1.0	.1	.08	8	<.5
L29E 6150N	1.8	83.4	8.7	113	.9	32.4	13.7	1058	2.95	5.2	.5	29.3	.3	56	.1	.4	.6	79	.45	.068	2	21	.88	124	.055	<.1	2.24	.009	.09	.5	.05	1.3	.1	.07	8	<.5
L29E 6100N	1.8	91.7	9.9	73	.4	7.8	6.9	253	3.49	8.4	.8	9.9	.5	15	.6	.5	.6	86	.18	.073	3	13	.55	41	.092	1	2.57	.010	.04	.8	.07	1.6	.1	.08	9	.6
L29E 6050N	1.6	35.9	8.3	55	.7	7.3	4.6	178	3.06	3.6	.9	5.3	.4	13	1.0	.4	.9	76	.13	.046	4	16	.25	59	.075	1	2.08	.010	.04	1.1	1.0	1.5	.1	.08	9	<.5
L3100E 7100N	2.7	40.0	24.2	69	.7	11.5	6.0	348	2.80	9.6	2.4	43.7	.1	30	.8	.3	.4	100	.28	.082	4	22	.37	58	.038	1	1.63	.011	.06	.3	.05	.9	.1	.09	8	.7
L3100E 7050N	3.2	43.0	9.8	50	.3	11.2	7.8	531	3.02	4.6	.9	5.5	.2	16	.4	.4	1.2	102	.16	.064	4	22	.40	72	.057	1	1.59	.012	.06	2.0	.04	1.1	.1	.07	8	<.5
L3100E 7000N	2.0	28.6	8.0	27	.2	11.5	3.9	185	1.96	2.3	.7	3.2	.1	10	.2	.3	.3	70	.10	.071	4	25	.27	39	.042	1	1.54	.010	.04	.2	.06	.8	.1	.06	8	<.5
L3100E 6950N	1.0	16.8	9.3	14	.1	4.3	1.7	67	.94	1.5	.5	3.8	.1	9	.1	.2	.4	37	.09	.042	4	13	.12	30	.070	1	.92	.010	.03	.1	.05	.7	.1	<.05	8	<.5
L3100E 6900N	1.6	32.6	6.0	20	.3	6.1	2.5	95	1.54	1.8	.7	2.9	<.1	9	.2	.2	.2	41	.08	.087	4	14	.17	37	.022	1	1.59	.013	.03	.3	.08	.4	.1	.07	6	<.5
L3100E 6850N	1.1	14.5	7.9	18	.2	4.0	1.8	90	1.24	1.6	.4	1.6	.1	8	.2	.2	.3	41	.08	.060	4	15	.11	27	.045	3	.81	.010	.03	.1	.04	.5	.1	<.05	7	<.5
L3100E 6800N	2.2	39.5	7.1	37	.2	9.2	5.4	481	3.35	2.7	.5	9.8	.2	10	.2	.3	.3	102	.10	.075	3	23	.27	54	.061	1	1.83	.011	.03	.3	.07	1.3	.1	.08	10	<.5
L3100E 6750N	2.4	29.5	6.4	33	.7	7.6	3.6	195	2.29	2.3	.9	8.1	.1	10	.3	.3	.3	62	.13	.125	5	17	.23	42	.029	1	1.85	.010	.05	.3	.08	.6	.1	.14	8	.5
L3100E 6700N	2.2	46.7	6.2	63	.3	11.7	8.7	748	2.65	4.4	1.2	3.2	.1	31	.5	.4	.3	82	.34	.129	5	22	.49	59	.028	2	1.95	.014	.07	.3	.04	.9	.1	.11	8	<.5
L3100E 6650N	1.6	55.6	5.2	38	1.3	10.5	7.5	381	2.26	9.9	2.0	5.4	.1	19	.2	.5	.3	81	.22	.098	10	32	.36	38	.034	1	2.08	.012	.06	.5	.07	1.9	.2	.09	6	1.2
L3100E 6600N	1.5	25.0	6.1	37	.5	7.5	6.1	883	2.41	2.4	.5	4.0	.1	15	.2	.3	.3	75	.14	.077	3	16	.20	74	.025	1	1.01	.009	.05	.2	.04	.7	.1	.10	7	<.5
L3100E 6550N	1.4	52.0	9.8	61	.6	10.0	7.1	414	2.75	4.9	.9	5.4	.1	16	1.7	.4	.4	77	.21	.111	7	19	.38	48	.033	2	2.19	.014	.06	.3	.07	1.0	.1	.11	8	<.5
STANDARD 057	19.3	104.6	68.3	393	.8	54.7	9.1	629	2.40	47.4	4.9	68.8	4.6	76	5.9	5.8	4.5	81	1.00	.073	14	197	1.08	368	.117	41	1.06	.092	.42	3.8	.19	2.7	4.3	.21	5	3.8

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



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	Hg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	
G-1	.8	2.6	2.7	40	<1	7.1	3.6	481	1.63	<.5	2.3	<.5	3.8	60	<.1	<.1	.1	34	.42	.072	7	101	.52	195	.105	2	1.02	.131	.48	.1	<.01	4.6	.4	<.05	5	<.5	
L3100E 6500N	1.3	57.5	8.8	56	.6	10.6	7.3	362	2.71	4.9	1.0	5.1	.1	14	1.5	.4	.5	79	.16	.108	6	20	.37	45	.030	2	2.19	.019	.06	3	.05	1.0	.1	.15	7	1.2	
L3100E 6450N	1.6	38.6	6.4	45	.8	8.0	5.4	514	2.78	2.8	.7	3.6	.1	8	.4	.3	.5	75	.11	.099	3	17	.29	51	.038	1	1.99	.012	.05	2	.06	.7	.1	.13	10	.8	
L3100E 6400N	1.4	48.1	6.5	37	.2	6.8	4.4	217	2.68	2.3	.7	10.0	.1	8	.2	.2	.6	74	.09	.074	3	17	.32	47	.047	2	2.31	.014	.05	2	.08	1.0	.1	.10	10	.9	
L3100E 6350N	1.2	25.1	7.0	26	.2	4.6	3.0	110	1.89	2.0	.6	4.9	.1	8	.1	.3	.5	61	.07	.061	3	14	.14	39	.037	1	.95	.009	.04	2	.05	.5	.1	.08	8	.5	
L3100E 6300N	1.5	28.1	7.5	26	.2	5.4	3.2	115	2.17	2.2	.7	3.5	.1	9	.1	.2	.5	70	.08	.067	3	15	.16	42	.039	1	1.04	.010	.04	2	.06	.5	.1	.10	9	.7	
L3100E 6250N	.8	10.4	6.5	40	.2	4.3	1.9	420	.64	1.7	.3	<.5	<.1	19	.4	.1	.2	17	.18	.110	2	7	.07	80	.005	2	.50	.014	.06	<.1	.05	.2	<.1	.11	2	.5	
L3100E 6200N	1.4	20.9	7.5	39	.4	8.2	5.5	587	1.85	2.2	.7	5.2	<.1	13	.5	.2	.3	46	.10	.117	4	17	.20	44	.019	3	1.47	.010	.05	1	.05	.3	.1	.14	6	.7	
L3100E 6150N	1.5	73.6	25.7	60	.8	14.2	10.6	337	1.96	6.5	.5	22.5	.1	34	.9	.4	2.0	46	.31	.092	3	25	.25	63	.025	1	1.05	.010	.05	9	.10	.5	.1	.12	4	.5	
L3100E 6100N	.7	38.1	13.3	132	8.3	2.7	2.6	296	.26	1.0	.5	4.0	<.1	35	2.4	.2	.4	5	.98	.095	1	4	.06	120	.007	5	.28	.011	.06	2	.32	.2	.1	.16	1	.7	
L3100E 6050N	2.3	470.0	34.4	866	2.0	12.6	31.4	1539	2.19	6.5	6.4	20.1	.3	55	24.9	.8	2.3	37	1.05	.113	10	20	.34	39	.023	2	2.37	.019	.05	.7	.12	1.3	.3	.12	4	3.1	
L32E 7200N	1.4	60.4	7.9	100	.8	27.6	11.4	407	2.89	3.5	2.2	12.8	.6	45	.3	.6	.2	85	.56	.138	6	31	1.00	127	.100	1	2.21	.013	.21	2	.04	2.1	.1	<.05	8	.6	
L32E 7150N	1.5	79.8	5.3	60	.5	13.9	10.8	389	3.37	5.6	1.0	7.0	.3	30	.5	.4	.4	102	.29	.077	6	23	.56	78	.069	1	1.98	.012	.09	5	.05	1.7	.1	<.05	7	.6	
L32E 7100N	1.8	115.5	5.6	73	.2	24.8	24.7	770	3.84	10.2	1.3	6.0	.2	28	.4	.4	.4	113	.33	.116	7	37	.68	84	.064	2	2.44	.012	.08	5	.06	1.9	.1	.06	9	.7	
L32E 7050N	2.0	48.0	5.6	38	.5	9.0	6.4	346	2.91	3.4	.8	4.9	.1	11	.4	.3	.3	79	.13	.103	4	17	.34	49	.041	1	2.46	.009	.05	.4	.08	.9	.1	.07	8	.7	
L32E 7000N	1.8	63.1	5.1	54	.3	24.6	9.0	303	3.17	4.3	.9	2.2	.6	18	.3	.4	.3	84	.27	.147	6	34	.64	74	.073	7	3.01	.010	.07	.4	.08	1.6	.1	.08	6	1.0	
L32E 6950N	1.6	36.4	4.6	34	.1	9.0	5.2	197	2.92	3.8	.7	.7	.2	11	.2	.3	.2	87	.09	.093	4	19	.31	36	.045	1	2.79	.008	.03	5	.09	1.0	.1	.07	7	1.0	
L32E 6900N	1.5	38.2	6.0	35	.3	8.3	5.3	245	3.74	2.9	.7	2.7	.2	10	.1	.4	.2	110	.11	.076	4	19	.33	55	.055	1	2.32	.015	.04	4	.07	1.0	.1	<.05	10	.6	
L32E 6850N	2.0	47.4	5.8	46	.2	7.7	5.7	218	3.85	3.3	.7	5.3	.3	12	.4	.3	.3	100	1.4	.088	3	17	.40	65	.069	1	3.03	.011	.04	1	0	1.1	1.7	.1	.09	11	.9
L32E 6800N	1.8	49.8	5.8	40	1	10.9	7.0	244	3.76	3.6	.7	5.4	.3	11	.2	.4	.3	107	.13	.075	4	23	.42	76	.057	<.1	2.28	.009	.04	5	.06	1.5	<.1	<.05	8	.9	
L32E 6750N	1.5	29.9	6.8	23	.2	5.2	2.7	107	2.10	1.9	.7	2.9	.1	9	.3	.2	.3	67	.07	.070	3	14	.16	43	.043	1	1.48	.008	.03	2	.08	.5	<.1	.06	9	.5	
L32E 6700N	38.6	44.3	6.0	42	.7	5.5	4.3	270	3.75	2.6	.8	2.5	.4	13	.4	.3	.3	97	.10	.067	3	12	.46	55	.086	1	1.92	.009	.04	5	.1	.11	2.5	.1	.09	13	1.2
L32E 6650N	1.0	53.8	8.5	110	.2	19.7	11.0	539	3.49	9.5	1.4	4.2	.9	35	.5	.5	.2	91	.37	.081	8	38	.58	97	.068	1	2.15	.012	.07	2	.04	2.4	.1	.07	6	.7	
L32E 6600N	1.6	46.4	5.5	46	.3	9.8	6.7	358	3.21	2.9	.8	3.8	.2	22	.7	.3	.4	88	.22	.068	3	21	.33	68	.053	1	1.54	.010	.06	3	.05	1.1	<.1	.08	9	.5	
L32E 6550N	2.0	49.9	8.1	55	1.2	10.1	8.0	461	3.15	3.1	.9	3.5	.2	17	1.2	.3	.5	81	.19	.070	4	20	.37	67	.052	1	2.32	.009	.09	3	.07	1.2	.1	.11	9	.8	
L34E 7250N	3.0	92.8	6.6	86	.2	19.9	22.3	503	3.47	3.8	1.0	7.6	.9	44	.4	.6	.7	166	.43	.118	6	28	.78	168	.102	<.1	2.51	.015	.18	8	.03	3.1	.1	.06	8	<.5	
L34E 7200N	2.2	31.6	6.3	26	.3	6.3	4.2	115	2.88	2.8	.4	2.8	.4	10	.2	.4	.4	105	.10	.030	2	14	.20	38	.114	1	1.43	.009	.03	6	.05	1.3	<.1	<.05	8	<.5	
L34E 7150N	1.2	54.1	8.2	53	.7	8.5	5.5	155	1.84	1.7	.6	8.1	.1	18	.4	.3	.2	54	.19	.054	4	11	.34	50	.054	1	1.40	.015	.04	2	.04	1.0	<.1	.07	7	<.5	
L34E 7100N	2.1	90.0	5.4	28	1.0	7.5	5.0	140	2.70	2.5	1.0	5.5	.1	12	.4	.2	.5	73	.10	.109	4	14	.29	48	.021	1	2.42	.009	.04	4	.11	.5	<.1	.11	7	1.0	
RE L34E 7100N	2.2	89.1	5.4	29	1.0	7.4	5.4	137	2.61	2.5	1.0	20.1	.1	12	.3	.3	.2	71	.10	.103	5	15	.28	50	.023	1	2.42	.013	.04	3	.10	.7	.1	.10	6	.9	
L34E 7050N	2.5	66.9	5.8	33	.4	9.4	5.7	155	3.29	2.9	1.0	2.1	.1	14	.5	.3	.2	77	.12	.086	5	18	.33	49	.035	<.1	2.33	.011	.04	3	.10	.7	<.1	.10	8	.9	
L34E 7000N	1.3	30.0	6.0	32	.2	9.1	5.2	183	2.41	2.2	.5	.6	.2	14	.4	.3	.3	63	.12	.057	5	15	.30	56	.054	<.1	1.40	.010	.04	1	.04	.9	.1	<.05	9	.5	
L34E 6950N	1.5	28.6	5.2	27	.3	7.8	4.8	122	3.41	3.2	.6	32.6	.2	12	.4	.3	.3	107	.11	.067	3	17	.24	47	.045	1	1.54	.012	.04	3	.07	1.0	.1	.07	8	.8	
L34E 6900N	2.0	53.1	4.8	43	.2	12.3	6.7	196	3.74	3.5	.6	20.5	.3	15	.5	.4	.3	108	.11	.057	4	20	.42	57	.058	<.1	1.81	.009	.04	4	.07	1.2	<.1	.07	8	.5	
L34E 6850N	.8	16.9	6.5	20	<.1	4.2	3.3	80	2.16	1.1	.3	4.6	.2	9	.2	.2	.3	80	.09	.031	3	14	.10	53	.059	<.1	.73	.009	.03	1	.02	.9	.1	<.05	6	<.5	
L34E 6800N	1.0	45.8	6.9	25	.6	6.8	3.6	169	1.32	1.6	.4	1.2	.1	22	.2	.2	.3	39	.29	.128	3	13	.20	62	.028	1	1.18	.010	.05	2	.10	.6	<.1	.10	4	.6	
L34E 6750N	1.2	57.9	5.4	43	.3	12.1	6.7	187	3.29	2.9	.7	2.6	.3	14	.4	.3	.3	85	.16	.065	4	23	.37	69	.063	<.1	1.54	.010	.04	2	.08	1.0	<.1	.06	8	<.5	
L34E 6700N	1.8	73.4	4.8	63	.3	17.2	9.9	460	3.44	3.0	1.0	9.0	.4	23	.3	.3	.2	86	.22	.061	4	25	.59	59	.070	1	1.88	.010	.07	2	.04	1.4	<.1	.07	7	<.5	
STANDARD DS7	19.3	101.6	66.0	371	8	49.5	8.8	566	2.10	45.8	4.8	61.5	4.0	67	5.9	5.4	4.5	74	.86	.070	11	190	.96	338	.099	38	92	.087	.40	3.7	19	2.4	4.2	17	4	3.8	

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



Happy Creek Minerals Ltd. PROJECT SB FILE # A706418



Table with columns for 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. Rows include various sample IDs like G-1, L34E 6650N, L36E 3650N, etc., and a STANDARD DS7 row at the bottom.

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

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA



SAMPLE#	Mb	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Tl	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	
G-1	.6	2.1	2.7	42	<1	5.8	3.6	505	1.82	<5	2.2	1.1	3.9	61	<1	<1	1	35	.45	.078	7	75	63	208	.114	2	.94	.088	.52	.1	<.01	3.0	.3	<.05	5	<.5
L40E 3450N	4.9	26.6	6.2	30	4	7.0	3.1	124	3.14	2.2	1.3	3.3	.2	16	.5	.2	2.3	69	.17	.092	5	17	.27	38	.039	2	2.93	.013	.03	4.1	.12	1.4	.1	.16	10	.8
L40E 3480N	3.8	26.4	6.6	29	2	6.1	3.1	222	2.37	2.0	.9	.8	.2	10	.4	.2	1.6	56	.11	.072	4	16	.23	51	.054	2	1.95	.009	.04	3.3	.10	1.0	.1	.12	9	.7
L40E 3350N	5.2	31.6	5.6	39	5	7.8	4.5	304	2.18	1.8	1.4	1.8	.1	14	.4	.2	1.2	52	.16	.101	4	13	.30	43	.035	1	1.92	.016	.05	3.1	.08	.7	.1	.15	8	.7
L40E 3250N	4.0	28.2	6.9	35	3	7.4	4.0	251	2.63	1.9	.8	1.4	.2	10	.3	.2	5.7	57	.10	.078	4	15	.28	43	.051	2	2.45	.010	.04	3.7	.07	1.2	.1	.14	9	.9
L40E 3200N	5.0	33.6	6.8	50	4	9.5	8.3	805	2.45	2.0	1.0	.7	.1	12	.4	.3	2.1	61	.10	.093	5	13	.34	54	.035	2	2.00	.011	.06	3.8	.05	.9	.1	.14	7	.6
L40E 3150N	2.6	21.6	7.6	21	6	5.1	2.1	89	2.38	1.5	1.0	1.8	.2	10	.4	.2	1.7	43	.09	.065	4	11	.14	33	.057	1	2.14	.013	.04	3.0	.09	1.0	.1	.12	9	.7
L40E 3100N	4.5	27.5	5.5	47	3	7.6	5.8	301	3.70	2.3	.7	.5	.5	20	.3	.2	2.1	101	.21	.043	4	18	.54	160	.139	1	1.49	.017	.13	4.0	.10	2.3	.2	.10	9	<.5
L40E 3050N	4.7	31.8	6.3	50	4	10.8	5.6	403	3.09	2.3	1.1	2.4	.2	13	.4	.2	3.3	67	.15	.083	5	18	.39	63	.050	2	2.56	.011	.07	5.9	.05	1.3	.1	.15	8	.6
L40E 3000N	3.6	36.1	7.4	47	4	10.8	9.4	741	2.66	1.9	1.5	.7	.1	19	.4	.2	3.4	57	.24	.098	5	17	.39	57	.031	2	2.33	.012	.06	5.1	.05	.9	.1	.15	8	<.5
L40E 2950N	4.7	29.8	7.0	49	3	10.2	9.3	1036	2.64	2.1	.9	1.0	.1	15	.4	.2	2.6	65	.15	.100	5	17	.39	65	.040	1	2.10	.010	.06	3.9	.04	.9	.2	.13	8	<.5
L40E 2900N	5.1	25.4	6.4	32	4	7.7	4.0	224	2.70	1.8	.9	1.1	.2	11	.3	.2	2.7	64	.11	.068	5	15	.30	47	.067	1	2.45	.011	.05	5.9	.07	1.5	.1	.14	9	.8
L200E 3550N	2.4	28.1	10.4	27	3	4.0	2.1	114	1.19	1.3	.6	.8	.1	29	.3	1	2.0	35	13	.049	3	9	.19	69	.039	1	1.27	.012	.04	1.4	.04	.7	.1	.07	7	<.5
L200E 3500N	2.5	29.2	10.6	30	3	4.6	2.2	109	1.23	1.1	.6	1.4	.1	28	.3	2	2.0	36	13	.052	4	9	.19	67	.046	1	1.25	.012	.05	1.3	.05	.5	.1	.06	7	<.5
L200E 3450N	5.1	35.0	6.6	37	6	7.1	3.9	218	2.14	1.6	1.1	1.1	.1	11	.5	.2	1.9	49	.11	.096	5	13	.25	43	.038	1	2.31	.012	.05	3.9	.08	.7	.1	.14	7	<.5
L200E 3400N	8.7	21.8	6.8	25	2	6.1	3.5	143	3.03	1.9	.6	1.4	.5	14	.3	.2	2.1	80	.14	.037	4	16	.17	41	.092	2	1.57	.010	.03	5.9	.05	1.3	.1	.08	9	<.5
L200E 3350N	3.7	24.9	6.9	29	5	6.0	3.2	161	2.27	1.6	1.0	<.5	.2	11	.5	.2	2.6	50	.10	.060	4	12	.22	40	.061	1	2.15	.012	.04	6.1	.07	1.1	.1	.09	8	.9
L200E 3250N	4.1	27.8	7.3	35	4	6.7	4.1	264	2.25	1.5	1.0	.8	.1	11	.5	.2	1.7	50	.10	.075	4	13	.25	48	.040	1	1.94	.012	.05	2.7	.07	.7	.1	.12	8	<.5
L200E 3200N	6.9	30.8	7.3	47	2	7.7	6.3	736	2.69	1.8	.7	1.0	.1	14	.5	.2	1.9	69	.12	.082	3	13	.35	78	.044	<1	1.84	.013	.05	3.4	.06	1.0	2	.10	8	<.5
L200E 3150N	6.5	31.8	7.0	45	2	7.6	5.6	609	2.51	1.7	.7	1.4	.1	15	.3	.2	1.7	66	13	.082	4	12	.34	83	.048	1	1.85	.015	.04	3.3	.06	1.0	.1	.11	9	.6
L200E 3100N	3.3	28.2	7.0	49	3	7.9	5.8	995	2.74	1.7	.8	.7	.1	18	.3	.2	2.5	66	.17	.085	3	12	.31	79	.049	1	1.58	.011	.05	3.4	.06	.8	.2	.10	9	<.5
L200E 3050N	3.0	19.5	6.3	33	5	7.4	2.7	180	1.91	1.2	.8	.5	.1	16	.3	.1	1.7	49	.16	.066	3	12	.25	37	.042	1	1.47	.014	.04	2.6	.05	.8	.1	.10	7	<.5
L200E 3000N	4.6	29.7	7.3	49	4	8.4	12.1	1000	2.67	2.1	1.2	1.1	.1	16	.7	.2	2.8	64	.16	.121	5	12	.34	49	.030	2	1.78	.013	.08	7.0	.07	.7	.1	.16	7	.5
L200E 2950N	5.1	25.8	7.8	49	3	8.2	8.5	1085	2.66	1.8	.7	1.1	.1	15	.3	3	2.5	67	.13	.077	4	15	.32	69	.057	2	1.77	.012	.06	3.5	.04	1.1	2	.11	9	<.5
L400E 3700N	3.5	24.9	13.5	39	4	6.8	3.2	328	2.07	2.8	.7	.9	.3	37	.4	.2	3.6	53	.41	.055	5	30	.25	39	.099	1	.78	.020	.08	17.1	.09	1.3	.1	.08	8	.5
RE L4400E 3700N	3.9	24.0	12.9	38	3	7.2	3.1	305	2.09	2.9	.7	.8	.3	37	.4	.2	3.6	56	.41	.056	5	29	.25	37	.103	1	.75	.019	.07	19.3	.08	1.3	.1	.09	8	<.5
L4400E 3650N	4.6	36.9	10.5	123	6	9.1	8.5	623	1.86	1.3	.9	6.3	.1	31	2.1	.1	1.7	45	.25	.072	5	14	.38	55	.032	1	1.71	.015	.06	2.5	.04	.7	.1	.08	7	<.5
L4400E 3600N	6.1	69.3	10.2	96	1.3	11.1	6.9	351	2.87	1.7	1.4	5.0	.2	18	1.8	.2	2.7	65	.15	.060	7	18	.42	53	.058	1	2.69	.012	.06	4.5	.06	1.5	.2	.08	9	<.5
L4400E 3550N	5.2	41.6	8.2	59	3	7.3	3.9	173	3.34	2.2	1.3	2.7	.3	12	.6	.1	4.5	57	.13	.071	5	16	.32	47	.063	1	3.08	.011	.05	6.8	.11	1.5	.1	.10	10	.8
L4400E 3500N	7.0	34.6	8.8	39	4	7.3	4.6	519	2.65	1.6	.9	1.0	.2	12	.6	.2	3.8	66	.12	.065	4	14	.28	45	.068	2	1.75	.012	.05	4.8	.07	1.1	.2	.09	9	<.5
L4400E 3450N	9.8	35.9	6.9	37	2	8.4	4.9	273	2.92	2.0	.8	1.6	.2	13	.3	.2	3.2	69	.16	.057	4	17	.37	62	.070	1	2.15	.011	.05	5.4	.06	1.4	.1	.10	9	<.5
L4400E 3400N	6.8	26.4	6.7	32	2	6.8	4.0	277	2.90	2.0	.7	.8	.2	11	.3	.2	4.0	79	.11	.048	4	15	.22	48	.083	2	1.47	.010	.04	4.9	.04	1.2	.1	.08	10	<.5
L4400E 3350N	5.5	18.8	8.6	30	2	5.5	3.3	189	2.05	1.3	.8	.8	.1	12	.3	.2	2.1	57	.12	.055	4	12	.25	51	.054	1	1.42	.012	.05	3.5	.04	.9	.1	.08	8	<.5
L4400E 3250N	5.6	29.3	7.9	52	3	10.9	10.0	1288	2.52	1.7	.8	.8	.1	19	.4	.3	1.1	58	.16	.078	4	17	.45	67	.057	1	1.85	.014	.08	1.3	.05	.9	.1	.10	9	<.5
L4400E 3200N	2.6	31.2	6.2	74	3	37.5	9.7	484	3.00	2.6	.7	.7	.1	29	.3	.4	.5	60	.32	.065	3	53	1.07	92	.081	1	2.12	.013	.08	.6	.04	1.2	.1	.08	11	<.5
L4400E 3150N	3.1	31.2	6.5	42	5	13.8	7.6	478	2.00	1.6	1.2	1.6	<1	20	.4	.2	1.2	44	.20	.111	5	18	.39	72	.029	1	1.70	.014	.05	2.0	.05	.5	.1	.14	6	<.5
L4400E 3100N	3.3	27.1	7.2	57	3	41.4	11.0	724	2.38	1.3	.6	1.2	.1	31	.3	.2	.9	49	.41	.079	5	61	.73	104	.056	2	1.51	.013	.07	1.9	.04	1.0	.1	.11	7	<.5
L4400E 3050N	8.6	20.6	8.2	27	1	5.0	3.4	259	2.32	1.4	.4	1.3	.3	13	.2	.3	1.7	70	.14	.045	3	11	.16	50	.081	1	.87	.008	.05	3.7	.05	1.1	.1	.07	8	<.5
STANDARD DS7	19.6	103.2	59.2	374	9	50.7	8.2	630	2.29	45.8	4.7	73.7	4.3	83	5.7	5.6	4.1	79	.99	.077	13	209	1.05	371	.119	41	1.05	100	43	3.9	.18	2.8	4.1	.20	5	3.5

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



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	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	ppm
G-1	.8	2.6	3.0	44	<.1	7.6	3.9	532	1.77	<.5	2.2	2.5	4.1	59	<.1	<.1	.1	39	46	.075	7	94	.56	210	.117	1	.98	.103	.50	.1	<.01	3.7	.4	<.05	4	<.5
L4400E 3000N	5.7	44.2	5.9	49	.3	12.0	6.0	243	3.37	3.4	1.1	2.6	.5	14	.5	.2	4.5	76	13	.063	5	22	.44	86	.078	1	3.49	.011	.06	10.1	.12	2.1	.1	.11	8	1.2
L4400E 2950N	4.2	25.3	10.2	37	.5	5.2	4.9	767	2.35	2.5	.7	1.0	.3	14	.4	.2	.8	66	11	.055	4	9	.22	72	.085	1	1.11	.014	.05	1.2	.05	.9	.2	.08	8	.5
L4400E 2900N	.7	15.3	5.0	8	.5	4.4	1.5	72	.65	1.7	9	<.5	<.1	13	1.0	.1	.3	20	15	.143	5	8	.05	33	.006	28	1.24	.024	.03	.6	.07	.7	1	.17	2	.6
L4600E 3900N	8.6	23.9	6.7	36	.4	7.4	4.5	615	2.41	2.1	.6	<.5	.2	10	.2	.2	3.5	76	10	.049	3	15	.22	58	.078	1	1.09	.009	.04	6.5	.07	1.1	.2	.07	7	.5
L4600E 3850N	13.6	44.8	6.1	44	.5	9.7	5.0	345	3.45	3.1	1.1	1.3	.4	11	.5	.3	2.5	84	10	.074	4	20	.40	70	.086	1	2.76	.011	.05	8.6	.12	1.7	.2	.12	9	1.0
L4600E 3800N	14.6	209.9	6.6	28	1.3	11.1	7.4	199	1.70	1.6	4.6	<.5	.1	10	.9	.2	1.7	30	.09	.130	9	14	.22	29	.018	1	2.39	.010	.04	7.1	.12	.6	.2	.14	5	1.5
L4600E 3750N	12.9	44.6	6.4	50	.5	149.3	6.4	349	3.21	1.6	1.3	1.3	.7	11	.5	.2	5.3	80	11	.048	6	196	1.76	50	.161	1	2.68	.009	.10	31.3	.07	1.4	.4	.09	9	.9
L4600E 3700N	7.4	44.5	11.6	37	.3	10.8	5.8	657	3.54	3.1	1.1	<.5	.4	11	.6	.3	17.3	94	.08	.074	3	25	.46	58	.089	1	1.58	.010	.09	31.0	.11	1.7	.3	.11	11	1.2
L4600E 3650N	5.4	81.4	12.1	45	1.6	6.4	8.3	860	3.87	2.9	1.3	1.6	.5	14	.5	.2	77.3	86	10	.070	4	13	.38	71	.083	1	2.12	.010	.06	78.2	.11	1.9	.3	.11	10	1.3
L4600E 3600N	7.7	44.4	6.8	38	.6	8.9	4.9	276	2.46	1.8	1.6	1.4	.2	13	.7	.2	5.2	64	11	.069	5	16	.26	39	.059	1	1.91	.010	.04	10.9	.07	1.2	.3	.09	7	.8
L4600E 3550N	7.8	57.4	5.2	116	.4	19.7	9.6	396	3.46	3.3	1.3	1.2	.8	23	1.0	.2	5.9	87	.21	.060	5	25	.67	80	.088	1	3.02	.011	.07	11.3	.07	2.2	.2	.08	8	.9
L4600E 3500N	6.0	25.2	8.9	51	.4	6.5	6.2	565	2.43	1.5	.7	.9	1	29	.7	.2	3.4	65	18	.091	3	13	.22	90	.049	1	1.07	.009	.07	7.5	.04	.7	1	.10	7	6
L4600E 3450N	5.3	54.9	8.0	48	.7	9.0	15.1	1093	2.17	1.5	1.7	1.3	1	33	2.0	.2	3.8	62	.33	.123	10	14	.31	46	.026	2	1.96	.015	.06	11.4	.06	.8	.3	.15	5	1.2
L4600E 3400N	2.6	22.8	8.6	19	.4	4.5	2.0	71	1.52	1.0	.7	.8	<.1	9	.5	.1	1.8	37	.07	.062	4	8	.08	47	.033	1	1.31	.009	.03	2.6	.06	.5	1	.07	6	.5
L4600E 3350N	2.3	24.3	6.8	23	.2	4.3	2.6	288	1.36	1.2	.6	<.5	<.1	8	.3	.1	1.7	39	.07	.065	3	9	.13	40	.023	1	.97	.012	.04	1.7	.03	.3	.1	<.05	5	.5
L48E 3900N	17.9	70.4	6.9	54	.6	12.9	6.3	467	3.80	2.1	1.4	1.5	.4	16	.6	.2	13.4	91	13	.080	4	24	.66	75	.077	<.1	2.64	.010	.11	20.5	.10	2.0	.3	.10	9	1.1
L48E 3850N	10.3	36.4	8.8	34	.3	6.0	4.1	268	2.97	1.8	.8	1.1	.4	11	.3	.3	7.0	92	10	.051	3	12	.29	51	.111	<.1	1.49	.008	.05	15.5	.07	1.4	.1	.07	9	.5
L48E 3800N	6.3	27.0	9.4	29	.6	4.8	3.8	262	2.38	1.2	.8	<.5	.3	13	.5	.2	4.7	70	10	.056	3	9	.19	45	.092	1	1.36	.010	.04	11.2	.10	1.0	.2	.10	8	.8
L48E 3750N	7.7	78.9	8.4	38	1.0	10.6	40.3	1065	2.05	1.6	2.5	<.5	.1	15	1.5	.2	3.5	38	.14	.103	9	12	.25	39	.031	1	2.04	.010	.05	9.4	.10	.9	3	1.0	6	1.0
L48E 3700N	8.5	59.3	7.1	38	.7	7.2	23.8	944	2.00	1.2	2.2	<.5	.1	18	1.0	.2	4.3	53	15	.110	9	11	.26	40	.034	1	1.75	.012	.07	11.8	.05	.8	.2	.15	6	1.0
L48E 3650N	10.6	33.7	6.5	42	.5	8.5	5.6	358	2.81	1.5	1.2	<.5	.2	20	.7	.2	5.6	73	15	.070	5	15	.34	51	.065	1	1.62	.012	.05	9.5	.04	1.2	.2	.08	8	.5
L48E 3600N	9.2	35.1	6.9	42	.7	8.9	5.4	382	2.57	2.2	.9	2.0	1	15	.8	.2	6.4	69	13	.088	4	15	.31	57	.043	1	1.82	.009	.05	10.2	.08	.8	.1	.09	7	.9
L48E 3550N	5.3	32.2	7.6	45	.5	8.2	4.5	307	2.77	1.6	.9	<.5	.1	16	.7	.2	6.4	69	19	.058	3	14	.29	59	.061	1	1.78	.010	.05	8.4	.09	1.0	.2	.06	8	<.5
L48E 3500N	6.1	29.2	8.1	71	.4	30.7	7.7	691	3.05	1.4	.7	<.5	.2	16	.7	.2	5.8	78	11	.053	3	43	.47	95	.080	1	1.45	.011	.05	6.6	.05	1.0	.2	.07	9	.5
L48E 3450N	5.6	39.1	7.2	39	.2	8.7	4.1	213	3.01	2.1	1.1	1.6	.2	14	.7	.2	6.3	73	14	.073	3	17	.30	64	.065	1	2.34	.010	.04	9.6	.11	1.2	.1	.10	9	.6
L48E 3400N	7.6	45.4	9.4	69	.6	12.8	13.4	1003	2.75	1.1	1.2	1.5	1	17	1.2	.2	6.8	64	14	.076	5	19	.38	66	.043	1	1.74	.010	.05	7.9	.05	.7	.2	.07	8	.9
L48E 3350N	5.6	40.0	7.6	62	.7	9.9	7.0	420	2.75	1.9	1.4	.7	.2	17	1.4	.2	4.4	65	16	.087	4	17	.33	58	.050	1	2.49	.010	.06	8.5	.11	1.0	.1	.10	7	1.0
L48E 3250N	5.1	24.6	7.3	52	1.0	10.1	6.8	782	2.74	1.9	.7	1.4	.2	12	.5	.2	2.4	74	11	.061	4	19	.28	66	.056	1	1.62	.010	.04	3.4	.05	.9	.1	<.05	7	.5
L48E 3200N	3.1	29.0	7.3	47	.4	12.1	8.0	486	2.65	1.9	1.1	<.5	.2	17	.5	.3	2.0	71	18	.070	6	20	.40	68	.057	1	2.10	.013	.05	2.7	.07	1.2	.1	.06	6	.8
L48E 3150N	3.9	18.7	11.1	45	.4	5.0	5.3	633	2.53	1.5	.6	2.3	.2	23	.5	.3	.8	62	24	.058	3	11	.21	78	.048	1	1.24	.009	.06	1.1	.06	.6	.1	<.05	8	.6
RE L48E 3150N	3.4	19.4	10.3	43	.4	4.7	5.3	628	2.55	1.5	.5	.6	1	21	.5	.2	.8	63	23	.055	2	11	.20	76	.049	<.1	1.24	.010	.06	1.0	.06	.6	.1	<.05	8	.6
L48E 3100N	4.5	24.2	7.3	51	.4	11.9	7.4	602	2.54	1.6	.6	<.5	.1	20	.5	.3	1.2	76	20	.058	5	21	.33	87	.057	1	1.67	.013	.04	2.2	.05	1.1	.1	<.05	7	.6
L48E 3050N	4.9	30.2	6.6	57	.6	12.7	10.0	778	2.09	1.4	1.3	1.1	1	37	.6	.2	1.5	66	32	.132	8	19	.39	77	.021	1	2.06	.013	.07	3.2	.05	.8	.1	.12	6	.9
L48E 3000N	19.5	30.9	6.7	41	.6	10.7	6.1	388	2.88	1.7	.8	.8	1	17	.5	.2	1.2	82	17	.048	5	21	.36	66	.055	1	1.86	.012	.05	4.9	.07	1.2	.1	<.05	8	.6
L48E 2950N	16.0	31.9	6.8	28	.6	6.8	7.0	608	1.88	.6	1.0	<.5	<.1	27	.6	.1	1.1	66	19	.066	5	11	.21	64	.037	1	1.27	.016	.04	5.8	.10	.8	.1	<.05	6	<.5
L48E 2900N	5.8	24.8	7.4	46	.9	9.3	9.9	995	2.46	1.9	.8	.7	.1	27	.6	.2	.8	74	21	.075	7	17	.33	50	.045	1	1.84	.012	.04	1.9	.06	.9	.1	.07	7	.8
L50E 3900N	5.4	32.0	6.9	36	.6	6.5	5.1	357	2.94	1.0	.9	<.5	.2	12	.5	.2	4.0	73	13	.062	4	13	.27	45	.073	1	1.70	.010	.06	6.3	.08	1.0	.2	.08	10	.5
STANDARD DS7	18.5	101.2	65.2	390	.8	52.7	8.5	578	2.23	46.9	4.5	68.9	3.9	68	6.2	5.6	4.2	84	87	.075	12	184	1.00	351	.107	39	.93	.090	.40	3.9	.19	2.6	4.1	20	4	3.6

Sample type: SOIL S580 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



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	
G-1	.8	3.0	2.6	45	<.1	7.8	4.1	488	1.74	<.5	2.2	1.2	4.1	58	<.1	<.1	.1	33	.45	.071	6	79	.59	209	.100	1	.99	.105	.55	.1	<.01	3.9	.4	<.05	5	<.5
L50E 3850N	4.0	27.4	7.5	37	.8	7.6	5.9	364	2.36	1.5	1.0	1.0	.2	13	.4	2	3.6	52	.12	.062	4	11	.24	42	.041	1	1.48	.009	.05	6.4	.07	.9	.1	.07	7	<.5
L50E 3800N	5.1	23.5	7.8	49	.5	8.0	5.5	693	2.72	1.6	.7	.6	.2	14	.4	2	5.1	73	.13	.065	3	11	.28	67	.058	2	1.26	.009	.06	11.9	.04	1.8	.1	.09	8	<.5
L50E 3750N	5.4	66.7	19.0	39	2.4	6.6	7.8	414	2.34	1.3	2.2	<.5	.1	19	1.0	2	30.0	52	.13	.076	6	9	.23	39	.037	1	1.76	.011	.06	36.0	.10	.9	2	.10	7	1.0
L50E 3700N	3.7	22.1	9.1	26	.6	6.0	2.8	130	2.96	2.2	.7	.6	.7	11	.6	2	6.7	70	.10	.038	3	12	.22	47	.100	2	1.61	.009	.04	11.9	.10	1.4	2	<.05	10	.7
L50E 3650N	5.3	25.5	12.3	25	.6	5.0	2.8	95	2.33	1.2	.6	<.5	.6	17	.4	2	10.7	67	.15	.028	4	8	.10	39	.108	<.1	.97	.009	.03	17.5	.05	.9	.1	<.05	9	<.5
L50E 3600N	4.0	61.1	8.6	60	.8	7.2	5.9	219	3.51	2.2	1.5	1.8	.6	17	.5	2	32.6	69	.15	.057	5	13	.48	74	.079	2	3.94	.009	.06	71.9	.15	2.4	.3	.06	9	1.1
L50E 3550N	4.2	58.4	8.9	32	1.2	6.6	8.5	383	1.84	1.1	2.0	<.5	.1	28	1.0	1	7.2	39	.27	.082	8	10	.25	37	.024	1	2.04	.017	.05	12.3	.11	.7	.2	.09	5	.9
L50E 3500N	3.3	30.1	8.5	60	.5	10.2	5.3	393	3.33	2.1	.7	<.5	.5	14	.4	2	7.4	77	.14	.053	3	14	.41	79	.084	1	2.26	.009	.05	8.8	.08	1.5	2	<.05	9	.6
L50E 3450N	5.3	33.3	9.0	57	.9	11.1	12.2	856	2.77	2.2	1.1	<.5	.2	27	.7	2	3.6	60	.25	.058	6	16	.42	53	.046	1	1.73	.013	.06	4.2	.04	1.2	.2	<.05	7	.6
L50E 3400N	3.2	13.3	8.8	29	.4	5.1	2.3	108	1.36	1.2	.6	<.5	.2	30	.4	2	2.1	44	.27	.035	4	9	.19	61	.066	1	.94	.013	.04	3.1	.07	.9	.1	<.05	6	<.5
L50E 3350N	3.9	11.1	8.3	28	.4	5.7	3.0	144	2.14	1.4	4	2.2	.2	10	.4	2	1.5	61	.11	.041	3	11	.15	38	.074	2	.88	.011	.03	2.6	.04	.8	.1	<.05	8	<.5
L50E 3250N	4.0	25.2	7.6	34	.8	8.7	5.2	310	3.18	2.3	.9	.7	.2	33	.9	2	1.2	68	.34	.058	4	15	.19	76	.062	1	1.66	.014	.04	2.2	.09	1.0	.1	.06	9	<.5
L50E 3200N	4.5	33.4	5.9	40	4	12.3	8.6	445	2.12	2.7	1.5	1.0	.1	51	1.2	3	1.0	54	.54	.113	8	18	.39	54	.026	1	1.92	.012	.06	3.9	.08	.8	.1	.09	4	.7
L50E 3150N	9.5	21.7	7.1	39	.3	9.4	5.1	400	2.84	2.2	.6	1.0	.2	10	.4	2	.8	69	.10	.056	4	19	.29	47	.041	1	1.82	.009	.03	3.8	.06	1.0	.1	<.05	8	.5
L50E 3100N	17.7	24.7	7.3	42	.6	9.6	7.1	599	2.74	1.9	.7	1.0	.1	21	.4	2	1.2	75	.24	.052	6	18	.32	60	.057	1	1.62	.012	.05	5.8	.05	1.3	.1	<.05	8	.7
L50E 3050N	13.3	36.6	5.4	56	1	21.3	11.6	449	3.13	2.5	.7	1.9	.8	29	.2	2	1.0	107	.31	.059	6	27	.62	100	.097	1	2.37	.014	.08	6.4	.03	2.7	.1	<.05	7	.6
L50E 3000N	11.9	28.7	9.4	47	3	10.0	7.6	454	2.83	2.2	.6	<.5	.1	24	.6	2	.9	75	.28	.068	5	17	.32	115	.061	2	1.46	.013	.06	5.3	.08	1.3	.1	<.05	7	<.5
L50E 2950N	5.4	26.7	11.9	51	6	10.8	10.4	1754	1.83	1.8	1.0	<.5	.1	63	1.4	3	.7	49	.60	.151	9	13	.35	86	.019	2	1.96	.015	.06	2.1	.13	.7	.1	.13	4	.8
L50E 2900N	2.5	15.2	8.1	43	.2	6.7	4.2	302	2.74	2.1	.4	<.5	.4	12	.3	2	.8	74	.14	.048	4	14	.24	43	.084	1	1.22	.010	.04	1.4	.05	1.2	.1	<.05	8	<.5
L52E 3900N	5.3	29.7	9.9	56	4	6.8	4.7	712	2.67	2.0	.6	.5	.2	19	.5	2	6.7	70	.20	.065	3	11	.25	106	.070	1	1.14	.009	.06	10.8	.09	.9	3	<.05	9	<.5
L52E 3850N	5.0	23.1	8.8	40	3	6.6	4.0	381	2.96	1.8	.5	<.5	.3	21	.3	2	6.5	74	.24	.071	3	10	.25	65	.080	1	1.01	.008	.06	12.1	.08	1.1	2	<.05	9	.6
L52E 3800N	4.6	24.2	9.0	40	9	5.2	3.7	272	2.57	1.6	.7	<.5	.2	12	.3	2	6.8	66	.15	.058	3	11	.23	47	.076	<.1	1.27	.010	.05	9.6	.07	1.0	.1	<.05	9	.5
L52E 3750N	4.2	26.1	8.4	51	6	6.6	5.3	463	2.50	1.4	.8	1.5	.2	15	.6	2	6.2	62	.13	.058	4	11	.27	51	.063	1	1.26	.009	.05	6.9	.06	.9	.1	<.05	8	<.5
L52E 3700N	5.5	91.8	12.0	43	3.3	7.7	31.3	876	1.65	.8	1.9	.6	<.1	19	1.7	2	9.7	35	.25	.116	5	11	.23	32	.017	1	2.26	.011	.05	16.0	.11	.5	.4	.11	5	1.2
L52E 3650N	7.5	62.7	17.0	64	.8	9.6	6.6	475	3.53	2.1	.7	.6	.3	20	.9	2	11.2	89	.22	.069	4	15	.48	90	.095	1	2.31	.013	.10	12.7	.07	1.7	.4	.09	10	.6
L52E 3600N	5.9	54.7	8.6	60	1.0	11.5	16.9	1195	2.83	1.3	1.1	.8	.2	18	.9	2	5.2	67	.20	.054	5	16	.37	59	.069	1	1.89	.012	.05	5.8	.05	1.2	2	<.05	8	<.5
L52E 3550N	3.7	17.7	9.1	26	.8	4.2	3.0	188	1.80	1.4	.7	<.5	.1	22	.8	2	2.7	48	.25	.045	4	8	.11	43	.063	1	.91	.010	.04	3.7	.07	.7	.1	.06	7	<.5
L52E 3500N	2.6	106.0	11.4	39	1.8	9.7	4.4	134	.80	1.3	2.7	1.0	.1	20	1.1	1	8.2	39	.22	.064	8	17	.32	54	.034	<.1	2.58	.014	.06	9.4	.08	.8	2	.09	8	.7
L52E 3450N	4.3	39.7	8.7	52	.8	9.5	9.4	636	2.50	1.6	1.4	<.5	.1	39	1.3	2	3.0	50	.40	.087	7	14	.34	55	.027	1	2.00	.016	.06	3.7	.07	.7	.2	.07	7	<.5
L52E 3400N	8.8	36.0	9.5	61	.8	11.0	10.4	729	3.29	2.2	1.4	.7	.2	19	.7	2	2.0	72	.20	.064	5	17	.41	54	.059	1	2.46	.014	.06	2.7	.07	1.4	.2	.06	9	<.5
L52E 3350N	4.8	23.2	7.7	57	.6	8.4	7.9	509	2.87	2.0	.7	<.5	.2	24	.7	2	1.4	69	.26	.050	4	15	.34	58	.077	1	1.71	.014	.05	1.8	.05	1.3	.1	.06	8	<.5
L52E 3250N	11.9	31.7	8.8	49	1	10.3	6.6	527	3.31	2.7	.9	<.5	.6	13	.7	3	1.4	82	.13	.048	5	23	.29	65	.100	<.1	1.98	.010	.06	5.4	.05	2.1	.1	<.05	10	<.5
L52E 3200N	13.4	55.3	11.7	65	.9	18.0	13.9	832	3.64	3.1	1.5	<.5	.4	28	.6	2	2.3	97	.27	.065	7	30	.56	80	.069	1	3.09	.013	.11	5.3	.05	2.9	2	.06	11	<.5
L52E 3150N	15.6	39.7	7.3	56	1	13.1	10.6	653	2.96	2.2	.9	<.5	.2	25	.6	.3	1.1	68	.29	.069	7	22	.46	68	.053	1	2.13	.012	.06	5.6	.05	1.8	.1	.07	8	<.5
L52E 3100N	16.8	18.8	7.1	28	5	5.5	4.1	322	1.90	1.5	.5	<.5	.1	12	.5	2	.8	52	.13	.058	4	13	.16	51	.040	1	.98	.010	.03	3.9	.04	.6	.1	<.05	7	<.5
L52E 3050N	20.1	42.5																																		



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	3.4	46	<1	8.5	4.3	568	1.88	<5	2.3	1.3	4.0	66	<1	<1	<1	38	.46	.074	7	99	.63	229	.125	1	1.18	.190	.61	.1	<.01	7.1	.4	<.05	6	<.5
L52E 3000N	7.8	50.8	10.3	68	1.1	14.5	11.8	881	3.46	2.7	1.1	1.1	.2	38	.7	.3	1.2	80	.37	.068	6	25	.44	111	.062	2	2.16	.011	.07	3.2	.07	1.7	.1	.07	11	<.5
L52E 2950N	3.1	18.3	8.5	41	.6	7.8	8.2	410	2.32	1.4	.6	.7	.2	14	.4	.2	.6	58	.14	.050	5	13	.28	59	.058	1	1.49	.011	.04	1.0	.05	1.1	.1	<.05	7	<.5
L52E 2900N	2.6	20.4	7.5	48	.2	8.2	7.5	510	2.81	2.0	.5	2.2	.2	32	.2	.2	.7	70	.29	.048	4	16	.36	63	.057	1	1.34	.012	.05	1.2	.03	1.3	.1	<.05	7	<.5
L5400E 3900N	8.4	56.2	9.5	49	.8	8.1	7.9	583	2.68	1.2	2.0	.7	.1	34	.8	.2	8.1	59	.35	.104	7	14	.36	62	.031	1	1.67	.009	.07	9.4	.05	.8	.1	.09	9	<.5
L5400E 3850N	8.4	54.1	9.4	50	.8	8.0	9.5	866	2.73	1.9	1.9	1.0	.1	32	.8	.2	7.9	58	.32	.114	8	13	.34	73	.034	2	1.64	.009	.06	9.3	.07	.9	.2	.07	9	.7
L5400E 3800N	7.7	55.9	8.5	51	.8	7.8	9.0	715	2.50	1.5	1.9	.9	.1	39	.8	.2	7.2	57	.39	.108	8	13	.35	62	.027	1	1.59	.009	.06	9.3	.05	.7	.2	.07	8	<.5
L5400E 3750N	5.7	34.3	7.1	65	.4	8.9	5.5	432	3.25	1.9	.9	.8	.5	21	.7	.2	4.6	67	.21	.051	4	17	.35	84	.082	1	1.79	.009	.05	7.3	.07	1.5	.2	<.05	10	<.5
L5400E 3700N	5.4	70.5	6.9	86	.8	15.6	9.5	414	4.01	2.6	1.9	1.8	.6	38	1.3	.2	9.8	79	.35	.058	7	20	.64	72	.067	1	3.00	.012	.09	17.9	.09	2.5	.3	<.05	8	1.0
L5400E 3650N	5.3	69.5	8.1	71	.8	12.5	9.0	366	3.34	2.3	1.9	2.1	.3	37	1.5	.2	9.2	65	.37	.065	8	19	.47	66	.053	1	2.88	.011	.06	13.3	.09	1.7	.3	<.05	9	.9
L5400E 3600N	5.2	132.5	11.9	72	2.4	14.4	5.7	374	2.77	2.1	2.4	1.6	.2	41	2.9	.1	12.6	57	.40	.079	8	22	.45	84	.047	<1	2.50	.008	.10	9.0	.08	1.4	.2	<.05	9	<.5
L5400E 3550N	5.0	119.9	11.3	79	1.9	16.4	6.1	417	3.08	1.9	2.0	2.1	.2	39	2.5	.1	11.8	58	.39	.080	7	22	.50	76	.043	1	2.38	.007	.10	8.5	.09	1.5	.2	<.05	10	.5
L5400E 3500N	6.9	50.1	12.0	47	1.0	9.3	15.1	987	2.48	1.9	1.6	1.0	.1	46	1.5	.2	3.8	50	.49	.115	8	12	.28	63	.027	1	1.82	.011	.05	7.8	.14	1.0	.3	.10	5	.9
L5400E 3450N	6.6	48.5	11.9	45	1.0	10.1	15.6	1110	2.59	2.1	1.6	1.8	.1	46	1.5	.2	3.9	55	.48	.125	8	13	.31	67	.027	2	1.89	.012	.05	7.7	.14	1.0	.3	.12	5	1.0
L5400E 3400N	6.8	47.7	11.3	46	.9	9.3	17.2	1201	2.61	2.2	1.6	1.5	.1	44	1.4	.3	3.9	54	.50	.121	7	14	.32	67	.033	1	2.00	.014	.06	7.4	.14	1.2	.3	.11	5	1.0
L5400E 3350N	8.8	52.6	6.4	45	1.1	14.0	8.4	378	3.00	2.5	1.7	2.0	.6	28	.6	.2	1.2	77	.26	.052	7	23	.46	52	.072	1	1.97	.013	.06	4.8	.07	2.2	.1	<.05	7	.5
L5400E 3250N	4.3	27.4	6.7	38	.7	8.7	4.2	182	1.79	1.1	1.2	1.2	.1	31	.5	.2	.8	44	.27	.072	7	15	.32	54	.029	1	1.48	.012	.04	4.3	.08	1.0	.1	<.05	5	<.5
L5400E 3200N	19.0	24.3	6.9	43	.7	8.6	5.4	258	2.52	1.6	.6	1.1	.4	18	.3	.3	.9	65	.17	.050	4	14	.22	67	.077	1	1.17	.008	.04	6.1	.05	1.6	.1	<.05	7	<.5
L5400E 3150N	21.0	25.3	7.5	40	.7	7.1	5.3	297	2.45	1.6	.6	<.5	.4	19	.3	.2	1.0	63	.17	.058	4	14	.23	79	.076	1	1.25	.017	.04	6.6	.07	1.4	.1	<.05	7	<.5
L5400E 3100N	8.6	21.4	8.4	36	1.1	8.0	6.1	470	1.94	1.6	.7	1.2	.1	18	.5	.2	1.0	51	.18	.060	5	15	.24	46	.040	1	1.41	.010	.04	1.5	.04	.7	.1	<.05	6	<.5
L5400E 3050N	8.6	44.6	10.4	53	1.5	10.7	6.6	486	2.14	1.5	1.3	1.1	.1	28	.8	.2	.4	50	.22	.081	6	16	.33	72	.030	<1	2.03	.011	.05	.7	.09	.8	.1	.06	7	<.5
L5400E 3000N	13.5	74.4	13.7	86	1.2	20.5	10.9	676	4.11	4.5	1.4	2.4	1.0	36	.7	.3	1.2	87	.33	.066	7	32	.57	109	.093	1	3.31	.012	.10	2.5	.06	3.4	.2	<.05	11	<.5
L5400E 2950N	1.9	28.5	6.4	59	.3	8.5	7.0	335	3.72	3.1	.8	2.5	.9	12	.3	.3	.2	70	.20	.230	4	17	.42	52	.072	1	2.96	.014	.05	.4	.08	1.9	.1	<.05	11	.6
L5400E 2900N	2.1	27.5	6.6	53	.3	8.2	6.7	320	3.45	3.0	.7	4.1	.8	11	.3	.2	.2	67	.18	.213	4	16	.39	52	.069	1	2.97	.008	.05	.4	.08	1.8	.1	<.05	10	.7
L56E 3900N	5.6	33.9	5.9	54	1.3	10.4	6.3	385	3.29	2.2	.9	3.1	.4	17	.6	.2	4.4	66	.21	.140	5	21	.39	63	.058	1	2.34	.009	.06	5.9	.11	1.6	.2	<.05	8	.8
L56E 3850N	9.0	77.0	5.7	53	<1	17.1	9.0	395	3.36	2.4	1.0	1.9	2.3	38	.2	.2	6.5	80	.32	.045	6	24	.67	111	.126	<1	2.25	.024	.15	13.5	.02	3.4	.4	<.05	7	<.5
L56E 3800N	7.6	62.8	7.2	73	.4	19.0	11.4	534	3.56	2.8	1.1	20.5	1.2	22	.5	.3	6.5	86	.24	.048	6	27	.73	79	.119	<1	2.79	.013	.12	10.2	.05	2.8	.3	<.05	9	.5
RE L56E 3800N	7.5	63.1	7.4	81	.4	20.0	11.1	574	3.92	2.7	1.1	1.4	1.2	23	.5	.2	6.4	91	.22	.047	6	28	.73	78	.119	<1	2.63	.012	.13	9.3	.06	2.7	.3	<.05	9	<.5
L56E 3750N	7.7	74.8	6.4	50	.7	14.1	6.8	343	3.30	2.2	1.4	4.4	.7	20	.4	.2	5.1	78	.21	.041	6	22	.58	48	.094	1	1.89	.010	.08	8.0	.04	2.2	.2	<.05	8	<.5
L56E 3700N	7.5	92.1	9.4	62	1.3	17.3	10.5	586	3.16	2.4	1.8	1.5	.3	32	.9	.3	6.5	77	.32	.063	7	27	.56	66	.065	1	2.49	.013	.10	6.5	.06	1.9	.2	.07	9	<.5
L56E 3650N	6.9	72.0	7.7	48	1.1	12.8	7.9	431	2.74	1.7	1.6	2.5	.2	26	.7	.2	4.3	67	.28	.059	7	19	.45	46	.053	1	1.88	.013	.05	6.1	.06	1.5	.1	<.05	8	.6
L56E 3600N	5.9	56.5	6.6	59	.7	14.6	7.7	355	3.33	2.3	1.3	1.4	.5	24	.7	.2	4.7	76	.25	.046	7	23	.57	50	.084	1	2.01	.011	.07	6.8	.05	2.1	.2	<.05	8	.5
L56E 3550N	60.6	67.7	7.1	47	.3	15.4	8.3	331	4.55	3.1	.8	2.1	1.8	30	.5	.3	2.1	119	.30	.035	4	25	.66	174	.173	1	2.27	.014	.08	22.3	.07	3.8	.2	.06	12	<.5
L56E 3500N	22.2	35.4	6.0	43	.4	10.0	5.1	323	2.94	2.3	.7	1.5	.6	17	.4	.2	1.0	78	.17	.040	6	21	.32	64	.077	<1	1.70	.013	.04	8.5	.06	2.0	.1	<.05	8	.5
L56E 3450N	6.4	60.9	9.7	75	.9	16.0	12.6	886	3.71	2.5	1.5	3.7	.3	31	.8	.3	1.7	84	.28	.053	6	23	.54	77	.066	1	2.43	.012	.08	2.5	.05	1.9	.2	<.05	9	<.5
L56E 3400N	5.2	30.0	7.0	63	.6	9.6	7.9	527	2.88	2.0	.8	3.1	.3	21	.6	.2	1.3	69	.23	.061	4	15	.39	58	.067	<1	1.75	.010	.06	1.9	.05	1.4	.2	<.05	7	<.5
L56E 3350N	5.7	34.4	7.2	53	1.0	11.0	7.3	288	3.70	3.1	.9	.6	.4	20	.7	.3	.8	76	.26	.073	4	21	.42	110	.073	<1	2.37	.011	.05	2.3	.09	1.9	.1	.07	9	.7
L56E 3250N	5.2	31.7	5.9	50	.5	12.3	7.7	292	2.91	2.1	1.0	1.6	.4	25	.7	.3	1.8	76	.24	.058	5	19	.38	63	.056	1	2.05	.011	.05	5.4	.07	1.7	.1	<.05	6	<.5
STANDARD DS7	20.1	103.3	71.4	400	.9	57.1	9.1	603	2.39	46.6	4.8	70.8	4.5	74	6.3	5.8	4.3	83	.94	.069	13	200	1.04	382	.117	38	1.00	.095	.43	4.2	.19	2.8	4.2	19	5	3.3

Sample type: SOIL S580 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



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	2.4	2.7	44	<.1	7.9	4.0	537	1.74	<.5	2.3	<.5	4.2	57	<.1	<.1	.1	38	.46	.071	7	89	.60	204	.131	<1	.96	.068	.50	.2	<.01	2.1	.4	<.05	4	<.5
L56E 3200N	4.9	20.7	7.3	55	.6	8.6	5.2	380	2.70	2.1	.6	1.6	.2	23	.6	.2	.7	68	.24	.046	5	16	.31	60	.077	<1	1.73	.012	.04	1.1	.05	1.2	.1	<.05	8	<.5
L56E 3150N	2.1	20.4	6.7	76	.4	9.7	6.9	257	3.01	2.9	.6	1.8	.6	17	.6	.2	.4	75	.22	.095	4	16	.36	69	.074	1	2.75	.012	.04	1.1	.07	1.6	.1	<.05	6	.6
L56E 3100N	3.9	59.4	12.6	62	1.5	13.1	13.0	1006	3.13	2.8	1.5	2.3	.4	28	1.2	.2	.6	82	.24	.041	7	21	.41	69	.075	1	2.44	.011	.05	.7	.05	1.6	.1	<.05	9	.5
L56E 3050N	3.1	22.7	7.6	42	.4	12.8	6.2	217	3.44	3.6	.6	2.4	.9	17	.4	.3	.6	83	.22	.054	6	25	.33	64	.141	1	1.91	.010	.04	1.2	.04	2.1	.1	<.05	9	.5
L56E 3000N	2.3	28.5	8.5	65	.5	10.8	7.8	282	3.37	3.5	.9	1.9	.6	20	.8	.3	.2	67	.23	.057	4	16	.44	73	.092	1	2.79	.010	.04	.5	.08	1.8	.1	<.05	8	.5
L56E 2950N	2.3	26.1	9.3	50	.4	8.5	6.7	515	2.79	2.5	1.0	1.8	.2	21	.6	.3	.4	69	.22	.067	6	14	.30	55	.063	1	2.11	.011	.05	.6	.07	1.2	.1	<.05	7	.5
L56E 2900N	1.4	20.2	7.4	56	.3	8.1	7.3	280	2.86	2.7	.7	2.0	.7	19	.4	.3	.4	70	.24	.065	4	13	.36	62	.084	1	2.41	.012	.04	.8	.06	1.7	.1	<.05	6	.5
STANDARD DS7	19.8	110.7	66.7	398	.9	59.8	9.2	647	2.42	48.1	4.9	66.2	4.6	76	6.3	5.9	4.7	90	1.03	.072	14	205	1.04	392	.135	38	1.02	.092	.45	4.3	.21	2.7	4.3	.19	5	3.9

Sample type: SOIL SS80 60C.



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

www.acmelab.com

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

Project: SB
Report Date: December 08, 2007

Page 2 of 13 Part 1

CERTIFICATE OF ANALYSIS **VAN07001536.1**

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%			
				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	2	0.01	0.001	
SBL15E 7000N	Soil			5.1	50.6	7.6	52	0.4	14.7	8.4	551	3.25	3.4	0.6	3.7	0.1	19	0.5	0.4	0.7	107	0.19	0.081
SBL15E 6950N	Soil			4.6	66.8	9.2	33	0.5	14.8	5.1	167	2.37	2.0	2.5	2.9	<0.1	26	0.2	0.4	0.4	77	0.22	0.098
SBL15E 6900N	Soil			3.5	56.6	7.7	46	0.3	12.4	7.6	225	4.24	3.9	0.9	4.5	0.4	16	0.5	0.4	0.4	126	0.15	0.071
SBL15E 6850N	Soil			6.8	45.0	7.7	58	0.5	15.0	9.0	835	2.89	3.3	1.9	4.3	0.1	13	0.3	0.3	0.4	91	0.11	0.099
SBL15E 6800N	Soil			5.3	33.8	7.9	38	0.4	10.2	5.8	325	2.49	2.5	1.0	16.8	0.1	13	0.4	0.4	0.4	78	0.13	0.085
SBL15E 6750N	Soil			2.5	57.6	5.1	39	0.2	11.5	7.1	185	3.08	3.6	0.6	7.2	0.7	13	0.2	0.4	0.4	104	0.18	0.071
SBL15E 6700N	Soil			2.7	64.6	5.7	58	0.3	15.4	10.4	307	3.17	3.8	0.8	7.7	0.6	15	0.2	0.5	0.4	105	0.20	0.090
SBL15E 6650N	Soil			4.4	45.5	6.3	48	0.4	18.4	7.3	199	3.01	4.4	0.9	4.4	0.6	16	0.3	0.4	0.4	108	0.22	0.076
SBL15E 6600N	Soil			3.1	35.0	11.2	21	0.3	6.4	2.7	75	1.88	1.7	0.8	4.3	0.2	9	0.1	0.2	0.4	71	0.08	0.055
SBL15E 6550N	Soil			5.3	42.2	33.7	51	0.6	11.9	54.4	377	2.03	2.1	1.3	4.2	<0.1	13	0.4	0.4	0.5	69	0.14	0.111
SBL15E 6500N	Soil			3.4	67.2	7.4	66	0.1	19.8	11.0	333	3.45	4.3	0.6	25.1	0.4	21	0.3	0.4	0.5	120	0.17	0.053
SBL15E 6450N	Soil			3.0	48.5	7.4	37	0.3	11.8	5.5	149	2.66	2.7	0.8	5.1	0.2	11	0.2	0.3	0.4	86	0.12	0.078
SBL15E 6400N	Soil			3.2	31.6	7.9	30	0.1	8.4	4.6	198	2.87	2.4	0.6	3.0	0.2	10	0.2	0.3	0.4	90	0.08	0.061
SBL15E 6350N	Soil			5.4	43.4	6.7	42	<0.1	14.6	6.9	191	3.40	4.4	0.6	3.9	0.4	14	0.1	0.4	0.4	110	0.14	0.076
SBL15E 6300N	Soil			1.9	31.8	9.7	34	0.3	11.3	4.6	158	2.03	2.3	1.0	5.1	0.1	12	<0.1	0.2	0.3	62	0.12	0.094
SBL15E 6250N	Soil			3.6	37.9	8.6	25	0.2	12.8	5.1	127	2.10	3.6	0.9	2.9	0.2	13	0.4	0.4	0.4	76	0.12	0.064
SBL15E 6200N	Soil			2.8	44.8	8.4	35	0.2	24.9	8.1	179	2.57	5.7	0.6	3.6	0.4	12	0.1	0.5	0.4	78	0.13	0.069
SBL15E 6150N	Soil			2.2	52.4	8.7	40	0.1	27.3	9.7	253	3.05	4.3	1.2	3.7	0.4	24	0.3	0.4	0.2	87	0.18	0.059
SBL15E 6100N	Soil			2.5	34.9	8.4	28	0.2	10.6	4.8	122	3.00	3.9	0.8	4.3	0.2	15	0.3	0.3	0.3	95	0.12	0.065
SBL15E 6050N	Soil			2.6	18.5	16.1	21	0.3	6.6	3.1	90	1.15	1.7	0.6	5.7	0.4	16	0.5	0.3	0.6	72	0.13	0.030
SBL16E 7000N	Soil			2.5	41.8	7.0	35	0.2	12.1	7.5	163	4.31	4.0	0.5	6.2	0.7	13	0.3	0.5	0.5	132	0.14	0.040
SBL16E 6950N	Soil			2.8	46.2	4.9	34	0.3	11.5	8.1	188	3.15	2.9	0.6	5.1	0.1	14	0.3	0.4	0.3	108	0.15	0.064
SBL16E 6900N	Soil			2.0	42.3	7.3	43	0.7	12.4	5.8	155	1.92	2.0	1.1	8.1	0.1	15	0.2	0.4	0.4	63	0.15	0.088
SBL16E 6850N	Soil			3.0	55.7	5.9	47	0.2	12.8	8.7	351	3.44	3.2	0.7	8.0	0.2	15	0.2	0.5	0.4	108	0.17	0.076
SBL16E 6800N	Soil			2.6	66.2	5.8	44	0.3	12.9	8.7	267	4.03	4.0	0.7	9.0	0.5	16	0.4	0.5	0.3	112	0.17	0.053
SBL16E 6750N	Soil			2.6	29.0	6.8	24	1.2	7.7	3.7	104	1.95	1.6	1.0	3.4	<0.1	14	0.4	0.4	0.3	64	0.13	0.081
SBL16E 6700N	Soil			3.7	46.4	5.8	64	0.2	16.2	6.9	410	3.28	3.3	1.2	4.9	0.2	17	0.2	0.4	0.4	89	0.19	0.102
SBL16E 6650N	Soil			2.3	22.4	9.3	17	0.2	5.9	2.3	67	2.04	1.7	0.7	5.7	0.2	10	0.1	0.3	0.3	66	0.08	0.061
SBL16E 6600N	Soil			4.6	62.2	5.0	86	0.6	18.7	12.0	451	2.44	2.4	2.3	3.7	0.1	16	0.2	0.4	0.3	70	0.22	0.142
SBL16E 6550N	Soil			2.5	50.1	7.4	41	0.3	12.3	6.3	224	3.18	3.5	0.7	23.9	0.2	12	0.2	0.4	0.4	94	0.13	0.072

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



ACME ANALYTICAL LABORATORIES LTD.

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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB

Report Date: December 08, 2007

Page: 2 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Tl	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	0.05	1	0.5	
SBL15E 7000N	Soil	5	25	0.42	69	0.073	1	2.25	0.014	0.07	1.4	0.04	1.3	<0.1	<0.05	8	<0.5
SBL15E 6950N	Soil	11	21	0.37	75	0.053	1	2.58	0.020	0.04	0.7	0.11	1.5	<0.1	<0.05	9	<0.5
SBL15E 6900N	Soil	4	27	0.39	65	0.106	2	2.49	0.015	0.05	0.6	0.08	1.7	<0.1	<0.05	10	0.6
SBL15E 6850N	Soil	5	23	0.40	72	0.049	<1	2.15	0.010	0.06	0.7	0.10	1.1	<0.1	0.10	7	0.6
SBL15E 6800N	Soil	4	21	0.36	79	0.062	1	2.69	0.012	0.04	0.5	0.09	1.0	<0.1	0.09	9	0.5
SBL15E 6750N	Soil	5	22	0.42	90	0.081	<1	2.79	0.011	0.04	0.8	0.06	1.8	<0.1	<0.05	6	0.5
SBL15E 6700N	Soil	6	28	0.58	103	0.107	<1	2.69	0.014	0.06	0.9	0.07	1.9	<0.1	<0.05	7	<0.5
SBL15E 6650N	Soil	6	32	0.51	66	0.093	1	2.23	0.015	0.04	0.8	0.08	1.8	<0.1	<0.05	9	<0.5
SBL15E 6600N	Soil	5	20	0.17	39	0.080	<1	1.74	0.010	0.03	0.4	0.07	1.0	<0.1	<0.05	10	<0.5
SBL15E 6550N	Soil	6	17	0.31	61	0.033	2	1.79	0.012	0.04	0.4	0.08	0.6	<0.1	0.10	6	<0.5
SBL15E 6500N	Soil	4	26	0.66	113	0.121	<1	2.00	0.013	0.07	0.7	0.05	1.9	<0.1	<0.05	10	<0.5
SBL15E 6450N	Soil	5	23	0.38	55	0.068	1	2.89	0.011	0.04	0.7	0.08	1.2	<0.1	0.06	8	0.7
SBL15E 6400N	Soil	4	19	0.25	39	0.079	<1	1.44	0.010	0.03	0.6	0.05	1.0	<0.1	<0.05	8	<0.5
SBL15E 6350N	Soil	4	26	0.43	56	0.125	<1	1.54	0.011	0.04	1.1	0.06	1.9	<0.1	<0.05	10	0.5
SBL15E 6300N	Soil	8	22	0.34	51	0.067	<1	2.23	0.012	0.04	0.5	0.06	1.0	<0.1	0.07	7	0.7
SBL15E 6250N	Soil	4	27	0.32	71	0.081	<1	1.79	0.012	0.03	0.6	0.08	1.5	<0.1	0.05	10	<0.5
SBL15E 6200N	Soil	5	36	0.47	73	0.081	<1	2.06	0.011	0.04	0.9	0.06	2.0	<0.1	0.06	6	0.5
SBL15E 6150N	Soil	8	33	0.54	102	0.110	<1	2.66	0.013	0.03	2.1	0.05	2.1	<0.1	0.05	9	<0.5
SBL15E 6100N	Soil	5	33	0.26	63	0.078	1	1.59	0.011	0.04	0.5	0.08	1.3	<0.1	0.06	9	<0.5
SBL15E 6050N	Soil	5	15	0.18	70	0.147	<1	1.11	0.009	0.03	0.4	0.04	1.3	<0.1	<0.05	12	<0.5
SBL16E 7000N	Soil	4	24	0.34	69	0.115	<1	2.47	0.010	0.04	1.0	0.08	2.3	<0.1	<0.05	10	0.6
SBL16E 6950N	Soil	4	24	0.39	62	0.070	1	2.14	0.011	0.04	0.8	0.06	1.3	<0.1	0.07	7	<0.5
SBL16E 6900N	Soil	8	21	0.39	83	0.061	1	2.30	0.015	0.06	0.5	0.08	1.5	0.1	0.09	7	<0.5
SBL16E 6850N	Soil	4	24	0.44	83	0.086	1	2.35	0.013	0.05	0.7	0.07	1.6	<0.1	<0.05	7	<0.5
SBL16E 6800N	Soil	4	26	0.44	80	0.098	<1	2.48	0.011	0.05	0.7	0.10	2.1	<0.1	<0.05	8	0.6
SBL16E 6750N	Soil	5	18	0.22	48	0.030	<1	1.93	0.013	0.03	0.4	0.10	0.7	<0.1	0.08	6	0.5
SBL16E 6700N	Soil	5	26	0.48	86	0.070	2	2.25	0.016	0.07	0.6	0.06	1.3	<0.1	0.10	8	<0.5
SBL16E 6650N	Soil	5	19	0.15	35	0.076	<1	1.74	0.010	0.03	0.2	0.07	1.2	<0.1	<0.05	9	<0.5
SBL16E 6600N	Soil	9	29	0.55	88	0.039	<1	3.38	0.013	0.07	0.3	0.09	1.5	0.1	0.11	7	0.6
SBL16E 6550N	Soil	4	25	0.39	65	0.080	1	2.27	0.012	0.04	0.7	0.09	1.3	<0.1	0.07	9	0.6

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on the certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB

Report Date: December 08, 2007

Page: 3 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536 1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
				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
SBL16E 8500N	Soil			5.5	111.1	10.2	94	0.3	31.3	19.4	654	4.85	5.2	1.0	3.3	0.5	18	0.5	0.5	0.6	120	0.16	0.070
SBL16E 8450N	Soil			2.6	62.1	8.5	59	0.5	17.9	7.6	237	2.30	2.3	2.7	8.9	0.1	15	0.3	0.3	0.4	85	0.18	0.100
SBL16E 8400N	Soil			2.5	35.7	7.9	28	0.3	7.5	3.7	121	2.32	2.1	0.6	7.7	0.2	10	<0.1	0.3	0.5	90	0.11	0.060
SBL16E 8350N	Soil			3.0	37.8	8.2	53	0.1	14.8	8.1	288	2.73	2.1	1.5	3.0	0.7	15	0.2	0.2	0.2	85	0.15	0.046
SBL16E 8300N	Soil			3.7	22.4	11.0	30	0.2	13.4	4.0	124	1.88	2.2	0.8	6.6	0.2	12	<0.1	0.3	0.5	68	0.13	0.058
SBL16E 8250N	Soil			3.2	36.3	13.0	21	1.4	6.5	2.4	92	1.38	1.8	1.0	3.2	<0.1	11	0.3	0.2	0.3	49	0.09	0.061
SBL16E 8200N	Soil			4.6	34.2	10.4	61	0.7	14.0	5.8	419	1.97	3.5	2.2	3.3	<0.1	22	0.4	0.4	0.4	54	0.33	0.251
SBL16E 8150N	Soil			1.6	22.0	7.1	16	1.4	4.4	2.0	67	1.25	1.1	1.2	3.1	<0.1	8	0.2	0.2	0.3	31	0.07	0.102
SBL16E 8100N	Soil			3.8	53.4	16.9	74	0.5	14.2	7.0	278	2.51	4.6	1.9	9.4	0.2	16	0.4	0.4	0.5	68	0.17	0.117
SBL16E 8050N	Soil			3.9	53.7	42.8	106	0.6	23.9	10.3	690	2.42	8.0	3.5	28.7	0.1	30	1.0	0.4	0.3	62	0.42	0.155
SBL17E 7000N	Soil			2.8	77.0	6.7	58	0.3	15.6	9.6	289	4.15	5.3	0.8	15.8	0.5	15	0.5	0.4	0.4	108	0.16	0.078
SBL17E 8950N	Soil			3.5	39.0	7.1	31	<0.1	7.8	6.0	139	3.04	2.7	0.4	5.7	0.2	12	0.3	0.4	0.6	108	0.11	0.041
SBL17E 8900N	Soil			2.5	28.1	7.6	18	0.1	6.1	2.8	78	1.78	1.4	0.6	3.3	0.2	10	0.2	0.2	0.4	56	0.08	0.038
SBL17E 8850N	Soil			2.0	54.0	5.5	37	0.3	11.1	8.8	211	3.22	3.1	0.7	5.1	0.7	16	0.4	0.4	0.3	105	0.17	0.062
SBL17E 8800N	Soil			2.5	31.6	7.5	23	0.3	7.0	3.8	95	3.39	2.1	0.7	9.4	0.3	10	0.3	0.3	0.3	94	0.08	0.047
SBL17E 8750N	Soil			2.6	26.0	9.4	16	0.1	4.1	2.4	63	1.69	1.8	0.7	2.4	<0.1	8	0.2	0.3	0.3	63	0.06	0.058
SBL17E 8700N	Soil			2.8	50.9	6.6	36	0.3	12.0	6.4	184	2.58	2.5	0.9	3.5	0.2	13	0.4	0.3	0.3	77	0.13	0.074
SBL17E 8650N	Soil			2.7	46.9	6.7	40	0.3	11.2	7.7	180	3.69	3.8	0.5	10.1	0.3	13	0.2	0.4	0.4	115	0.13	0.060
SBL17E 8600N	Soil			4.7	65.8	6.9	50	0.6	18.4	9.6	260	3.55	3.5	1.0	4.5	0.4	16	0.3	0.4	0.5	93	0.14	0.064
SBL17E 8550N	Soil			2.1	69.3	5.1	50	0.2	16.5	9.3	264	3.49	4.5	0.7	4.9	0.6	15	0.3	0.5	0.4	102	0.23	0.105
SBL17E 8500N	Soil			2.8	48.3	5.9	24	0.3	7.3	3.4	106	2.44	2.1	0.9	6.0	0.2	9	0.3	0.3	0.3	70	0.12	0.073
SBL17E 8450N	Soil			2.0	51.7	4.9	35	0.2	14.0	7.4	172	3.29	4.0	0.6	4.1	0.7	16	0.4	0.4	0.3	92	0.16	0.070
SBL17E 8400N	Soil			2.8	60.5	4.4	33	0.6	12.2	7.0	179	3.32	4.6	0.9	10.2	0.3	16	0.3	0.3	0.3	87	0.16	0.114
SBL17E 8350N	Soil			1.7	49.4	9.2	16	0.3	5.7	2.4	62	1.29	1.6	1.0	2.8	<0.1	9	0.3	0.2	0.4	35	0.06	0.069
SBL17E 8300N	Soil			3.2	45.0	7.1	33	0.2	16.0	7.0	176	3.68	7.1	1.0	4.3	0.6	15	0.3	0.4	0.3	100	0.16	0.063
SBL17E 8250N	Soil			3.3	57.6	7.9	50	0.1	24.3	9.4	264	3.51	6.4	1.1	7.0	0.7	17	0.3	0.5	0.4	107	0.25	0.092
SBL17E 8200N	Soil			7.5	96.7	9.0	56	0.6	9.2	11.9	559	3.90	3.9	5.2	2.8	0.4	20	0.5	0.4	0.3	120	0.56	0.166
SBL17E 8150N	Soil			3.2	33.2	10.2	43	<0.1	10.7	5.9	209	2.85	4.0	0.6	2.5	0.5	10	0.3	0.4	0.3	89	0.10	0.049
SBL17E 8100N	Soil			6.4	63.2	13.6	95	0.7	13.4	9.8	592	2.10	6.3	3.0	10.4	<0.1	19	1.0	0.3	0.3	47	0.32	0.178
SBL17E 8050N	Soil			1.8	33.7	14.5	34	0.4	7.0	4.8	164	1.88	3.1	1.1	5.8	<0.1	23	<0.1	0.3	0.2	48	0.21	0.090

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

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

Project: SB
Report Date: December 08, 2007

Page: 3 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			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	
NDL			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL16E 6500N	Soil		4	37	0.88	118	0.123	2	3.20	0.013	0.12	0.6	0.06	2.9	<0.1	0.07	10	<0.5
SBL16E 6450N	Soil		8	32	0.54	91	0.068	2	3.01	0.014	0.06	0.5	0.11	1.8	0.1	0.08	9	0.8
SBL16E 6400N	Soil		5	25	0.26	45	0.084	<1	2.49	0.011	0.03	1.1	0.07	1.5	<0.1	<0.05	9	0.8
SBL16E 6350N	Soil		7	22	0.51	58	0.144	1	1.89	0.013	0.04	0.3	0.03	2.4	<0.1	<0.05	7	<0.5
SBL16E 6300N	Soil		5	25	0.35	40	0.076	2	1.52	0.018	0.06	0.7	0.04	1.1	0.1	<0.05	8	<0.5
SBL16E 6250N	Soil		7	17	0.23	38	0.064	1	1.64	0.013	0.03	0.7	0.09	0.9	<0.1	<0.05	10	<0.5
SBL16E 6200N	Soil		8	23	0.36	71	0.014	3	1.98	0.015	0.06	0.4	0.07	0.4	0.1	0.21	6	0.8
SBL16E 6150N	Soil		6	11	0.14	26	0.031	2	1.90	0.016	0.03	0.6	0.08	0.7	<0.1	0.09	6	0.8
SBL16E 6100N	Soil		9	22	0.49	66	0.054	1	2.55	0.013	0.04	0.4	0.07	1.5	0.1	0.07	7	0.8
SBL16E 6050N	Soil		10	29	0.59	77	0.034	3	2.42	0.017	0.07	0.5	0.07	1.1	<0.1	0.05	6	0.8
SBL17E 7000N	Soil		5	28	0.49	86	0.081	1	2.91	0.008	0.05	1.1	0.11	2.1	<0.1	<0.05	7	<0.5
SBL17E 6950N	Soil		3	18	0.17	60	0.078	1	1.36	0.007	0.04	0.7	0.07	1.2	<0.1	<0.05	7	<0.5
SBL17E 6900N	Soil		3	15	0.16	46	0.061	<1	1.82	0.008	0.02	0.3	0.09	1.0	<0.1	<0.05	7	<0.5
SBL17E 6850N	Soil		4	20	0.36	102	0.096	1	2.12	0.009	0.05	0.7	0.09	1.9	<0.1	<0.05	6	<0.5
SBL17E 6800N	Soil		4	21	0.15	42	0.078	<1	1.82	0.008	0.02	0.6	0.09	1.3	<0.1	<0.05	10	<0.5
SBL17E 6750N	Soil		4	14	0.10	31	0.055	<1	1.38	0.008	0.02	0.3	0.10	0.6	<0.1	<0.05	8	<0.5
SBL17E 6700N	Soil		8	21	0.40	62	0.063	1	2.72	0.011	0.04	0.4	0.05	1.5	<0.1	<0.05	7	<0.5
SBL17E 6650N	Soil		3	24	0.30	78	0.072	<1	1.51	0.009	0.04	0.6	0.08	1.3	<0.1	<0.05	8	<0.5
SBL17E 6600N	Soil		6	26	0.61	88	0.095	1	2.83	0.011	0.06	0.7	0.06	2.1	<0.1	<0.05	9	<0.5
SBL17E 6550N	Soil		5	27	0.52	90	0.096	<1	3.50	0.011	0.05	0.8	0.10	2.0	<0.1	<0.05	6	0.8
SBL17E 6500N	Soil		4	20	0.26	53	0.061	<1	3.12	0.009	0.04	0.4	0.11	1.6	<0.1	<0.05	7	0.6
SBL17E 6450N	Soil		4	24	0.42	88	0.091	<1	2.94	0.010	0.04	0.8	0.10	2.1	<0.1	<0.05	6	0.5
SBL17E 6400N	Soil		4	27	0.35	70	0.052	<1	2.72	0.009	0.04	1.1	0.15	1.4	<0.1	<0.05	6	0.6
SBL17E 6350N	Soil		6	16	0.14	38	0.037	<1	2.61	0.009	0.02	1.7	0.08	0.6	<0.1	<0.05	7	<0.5
SBL17E 6300N	Soil		4	36	0.44	56	0.102	1	2.55	0.011	0.03	1.3	0.11	2.2	<0.1	<0.05	8	0.6
SBL17E 6250N	Soil		6	37	0.64	67	0.089	1	2.13	0.012	0.04	0.8	0.04	2.0	<0.1	<0.05	8	<0.5
SBL17E 6200N	Soil		11	18	0.56	73	0.076	1	3.04	0.019	0.09	0.3	0.08	1.9	<0.1	0.06	7	1.1
SBL17E 6150N	Soil		3	21	0.35	46	0.104	<1	1.25	0.008	0.03	0.4	0.05	1.3	<0.1	<0.05	8	<0.5
SBL17E 6100N	Soil		9	20	0.34	63	0.022	1	3.38	0.013	0.04	0.4	0.09	0.6	0.1	0.07	6	1.0
SBL17E 6050N	Soil		5	16	0.34	99	0.022	1	2.24	0.009	0.04	0.2	0.07	0.6	0.1	<0.05	8	<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are ungraded and should be used for reference only.



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

ACME ANALYTICAL LABORATORIES LTD

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB
Report Date: December 08, 2007

Page: 4 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	
				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
SBL17E 6000N	Soil			2.4	22.3	13.2	34	<0.1	6.7	5.0	226	2.12	3.0	0.6	1.0	0.2	12	0.1	0.2	0.2	51	0.09	0.085
SBL18E 7000N	Soil			4.6	43.3	6.1	42	0.3	11.7	7.3	282	3.44	3.3	0.6	3.3	0.1	21	0.4	0.3	0.4	104	0.24	0.093
SBL18E 6950N	Soil			2.8	50.0	6.8	39	0.7	10.2	7.3	193	3.64	4.1	0.7	2.9	0.3	10	0.6	0.4	0.4	99	0.11	0.074
SBL18E 6900N	Soil			3.9	38.3	8.8	49	0.3	8.8	6.8	1458	2.14	5.4	0.7	2.4	<0.1	14	0.4	0.3	0.4	70	0.14	0.087
SBL18E 6850N	Soil			2.2	55.9	5.4	43	0.1	13.9	10.2	331	3.45	4.2	0.7	6.0	0.4	16	0.3	0.5	0.7	112	0.23	0.097
SBL18E 6800N	Soil			2.2	32.3	6.6	31	<0.1	7.8	4.8	191	3.28	3.1	0.5	4.4	0.2	11	0.2	0.3	0.3	99	0.10	0.066
SBL18E 6750N	Soil			2.1	80.0	6.8	51	0.1	19.4	11.2	381	3.91	5.1	0.6	3.3	0.5	14	0.3	0.5	0.4	118	0.19	0.079
SBL18E 6700N	Soil			3.0	38.8	7.0	30	0.5	7.5	5.7	145	3.44	3.2	0.5	3.1	0.2	12	0.3	0.3	0.5	118	0.11	0.048
SBL18E 6650N	Soil			2.7	56.5	5.1	45	0.1	14.0	8.8	276	3.69	4.0	0.7	6.2	0.4	20	0.3	0.4	0.4	119	0.28	0.127
SBL18E 6600N	Soil			3.7	50.7	6.3	44	0.4	9.9	6.3	196	3.65	3.4	0.7	9.0	0.3	11	0.2	0.3	0.4	103	0.14	0.084
SBL18E 6550N	Soil			3.4	42.8	11.7	26	0.4	7.0	3.8	102	2.01	2.6	0.9	6.1	0.2	12	0.3	0.3	0.4	66	0.10	0.045
SBL18E 6500N	Soil			2.8	63.4	5.1	44	0.2	16.6	10.0	451	3.52	4.1	1.0	3.9	0.3	22	0.3	0.4	0.4	117	0.23	0.096
SBL18E 6450N	Soil			2.8	42.2	6.4	28	0.2	13.1	5.9	173	3.45	3.8	0.6	4.7	0.2	11	0.3	0.3	0.4	97	0.11	0.065
SBL18E 6400N	Soil			2.4	17.2	8.7	16	<0.1	4.7	2.6	77	1.15	1.8	0.5	0.9	<0.1	10	0.1	0.3	0.3	48	0.06	0.041
SBL18E 6350N	Soil			2.8	30.3	11.3	43	0.5	5.5	3.3	214	1.28	2.8	1.1	5.6	<0.1	16	0.2	0.2	0.3	38	0.10	0.117
SBL18E 6300N	Soil			2.1	50.5	6.4	44	0.6	12.5	7.1	257	3.81	5.5	0.7	7.4	0.4	13	0.3	0.4	0.7	105	0.18	0.115
SBL18E 6250N	Soil			2.8	67.3	10.2	16	0.2	4.1	2.3	93	1.71	2.0	0.7	14.1	0.3	8	<0.1	0.2	0.3	53	0.06	0.054
SBL18E 6200N	Soil			14.9	87.1	10.9	95	0.8	14.9	18.5	1708	2.27	7.7	19.1	13.4	0.1	20	0.5	0.5	0.3	55	0.38	0.241
SBL18E 6150N	Soil			4.1	39.1	9.3	32	0.5	9.5	3.8	168	1.38	1.5	1.5	1.5	<0.1	11	0.2	0.2	0.3	38	0.12	0.084
SBL18E 6100N	Soil			3.1	102.0	13.0	87	0.2	6.7	8.1	260	2.72	5.6	1.0	5.9	0.5	13	0.2	0.6	0.3	100	0.10	0.069
SBL18E 6050N	Soil			6.1	40.4	13.9	54	0.2	11.3	4.6	188	2.35	5.1	0.8	8.2	0.2	14	0.4	0.3	0.5	71	0.11	0.051
SBL18E 6000N	Soil			3.0	52.9	62.8	82	0.4	18.0	9.9	661	2.62	4.0	1.1	5.9	0.3	18	0.5	0.3	0.4	68	0.18	0.113
SBL18E 5950N	Soil			2.0	48.2	42.3	84	0.4	33.9	7.7	280	2.52	4.4	1.9	4.1	0.2	25	0.5	0.3	0.5	69	0.26	0.093
SBL18E 5900N	Soil			2.1	14.7	12.2	19	<0.1	4.3	2.6	99	1.23	0.9	0.4	1.1	0.3	9	<0.1	<0.1	0.2	38	0.13	0.081
SBL18E 5850N	Soil			1.7	13.8	19.8	18	0.2	3.6	2.9	87	1.68	1.7	0.5	36.0	0.2	10	0.1	0.3	0.4	64	0.08	0.050
SBL18E 5800N	Soil			2.1	65.1	61.7	111	0.2	32.3	15.0	725	4.63	11.0	1.1	31.3	1.3	59	0.3	0.5	0.9	102	0.42	0.185
SBL18E 5750N	Soil			2.4	52.0	28.9	62	0.2	16.5	9.3	442	3.29	8.5	1.0	5.6	0.5	49	0.2	0.4	0.4	81	0.23	0.199
SBL18E 5700N	Soil			2.1	28.5	13.1	20	0.2	5.7	2.7	93	1.45	1.4	0.9	2.7	<0.1	8	0.1	0.2	0.8	40	0.05	0.074
SBL18E 5650N	Soil			2.1	47.3	24.2	43	0.6	11.6	5.0	230	2.56	3.8	2.3	3.5	0.2	14	0.3	0.2	0.2	43	0.10	0.107
SBL18E 5600N	Soil			6.5	28.9	17.9	81	0.7	13.5	7.4	901	2.70	4.0	4.1	3.0	<0.1	56	0.6	0.3	0.2	61	0.82	0.252

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: December 08, 2007

Page: 4 of 13 Part: 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL17E 6000N	Soil			5	14	0.22	45	0.075	<1	1.51	0.012	0.04	0.3	0.03	1.1	<0.1	0.05	7	<0.5
SBL18E 7000N	Soil			4	22	0.40	79	0.053	1	2.40	0.012	0.04	0.7	0.07	1.0	<0.1	0.07	7	<0.5
SBL18E 6950N	Soil			4	21	0.43	60	0.083	1	2.86	0.009	0.05	0.7	0.10	1.5	<0.1	<0.05	9	0.5
SBL18E 6900N	Soil			3	16	0.28	103	0.043	2	1.53	0.010	0.06	0.8	0.05	0.6	0.1	<0.05	8	<0.5
SBL18E 6850N	Soil			5	23	0.44	87	0.089	1	2.60	0.011	0.06	0.7	0.06	1.8	<0.1	<0.05	6	<0.5
SBL18E 6800N	Soil			3	19	0.22	48	0.070	1	1.67	0.009	0.03	0.3	0.06	0.9	<0.1	<0.05	9	<0.5
SBL18E 6750N	Soil			3	29	0.56	85	0.109	1	2.24	0.011	0.06	1.1	0.11	1.9	<0.1	<0.05	7	<0.5
SBL18E 6700N	Soil			3	18	0.22	51	0.087	<1	1.43	0.009	0.04	0.7	0.06	1.2	<0.1	<0.05	8	<0.5
SBL18E 6650N	Soil			5	22	0.47	87	0.078	<1	2.15	0.012	0.06	0.6	0.05	1.4	<0.1	<0.05	7	<0.5
SBL18E 6600N	Soil			4	24	0.40	54	0.084	<1	2.85	0.010	0.05	0.5	0.08	1.6	<0.1	<0.05	9	0.9
SBL18E 6550N	Soil			4	16	0.22	52	0.083	<1	1.76	0.009	0.03	0.4	0.07	1.1	<0.1	<0.05	10	<0.5
SBL18E 6500N	Soil			6	23	0.51	100	0.073	<1	2.48	0.014	0.05	0.8	0.06	1.5	<0.1	<0.05	7	0.5
SBL18E 6450N	Soil			4	36	0.35	55	0.069	<1	2.35	0.012	0.03	0.8	0.08	1.4	<0.1	<0.05	9	<0.5
SBL18E 6400N	Soil			3	10	0.10	43	0.055	1	0.69	0.009	0.04	0.4	0.04	0.4	<0.1	<0.05	5	<0.5
SBL18E 6350N	Soil			5	15	0.17	84	0.024	1	1.78	0.011	0.04	0.2	0.08	0.2	0.2	<0.05	7	<0.5
SBL18E 6300N	Soil			5	24	0.49	56	0.080	<1	3.79	0.013	0.05	0.9	0.13	1.8	<0.1	0.08	9	0.8
SBL18E 6250N	Soil			5	14	0.20	31	0.060	<1	1.63	0.011	0.02	0.5	0.05	1.1	<0.1	0.08	8	<0.5
SBL18E 6200N	Soil			13	21	0.30	68	0.022	2	5.87	0.015	0.03	0.8	0.09	0.9	0.1	0.17	6	1.4
SBL18E 6150N	Soil			4	16	0.29	44	0.039	<1	1.51	0.014	0.03	0.6	0.05	0.6	<0.1	0.12	6	<0.5
SBL18E 6100N	Soil			3	12	0.53	61	0.088	<1	2.59	0.007	0.06	1.0	0.12	1.9	0.1	0.07	12	<0.5
SBL18E 6050N	Soil			6	21	0.36	53	0.078	<1	1.90	0.011	0.04	1.0	0.04	1.5	0.1	0.06	9	0.5
SBL18E 6000N	Soil			8	26	0.51	77	0.071	1	2.15	0.015	0.05	0.5	0.05	1.9	<0.1	<0.05	8	<0.5
SBL18E 5950N	Soil			9	38	0.77	63	0.075	<1	2.24	0.016	0.05	0.5	0.04	1.6	0.1	0.07	9	0.5
SBL18E 5900N	Soil			6	7	0.13	21	0.063	<1	0.94	0.015	0.03	0.1	0.01	0.9	<0.1	<0.05	3	<0.5
SBL18E 5850N	Soil			4	9	0.11	33	0.118	1	1.16	0.009	0.03	0.1	0.05	0.9	<0.1	0.08	9	<0.5
SBL18E 5800N	Soil			12	31	0.97	153	0.145	2	2.73	0.021	0.08	0.7	0.03	2.7	<0.1	<0.05	11	0.8
SBL18E 5750N	Soil			8	22	0.65	114	0.097	2	2.40	0.017	0.07	0.4	0.07	1.9	0.1	0.05	9	0.8
SBL18E 5700N	Soil			4	11	0.15	31	0.042	1	1.64	0.011	0.03	0.4	0.08	0.6	<0.1	0.08	6	0.6
SBL18E 5650N	Soil			7	17	0.34	69	0.059	1	2.56	0.012	0.04	0.2	0.13	0.9	<0.1	0.10	9	0.8
SBL18E 5600N	Soil			22	15	0.29	126	0.023	2	2.70	0.018	0.05	0.1	0.07	0.5	<0.1	0.27	9	0.8

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

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

Project: SB
 Report Date: December 08, 2007

Page: 5 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ce	P
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
				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
SBL18E 5550N	Soil			2.8	31.4	22.9	51	0.4	8.3	3.7	219	1.75	2.8	2.3	3.3	<0.1	45	0.7	0.2	0.4	58	0.40	0.123
SBL18E 5500N	Soil			2.4	71.1	47.8	195	0.5	24.9	13.3	950	4.13	9.5	1.4	9.3	1.0	187	1.3	0.5	0.2	77	0.41	0.209
SBL18E 5450N	Soil			2.8	40.8	53.0	73	0.7	21.8	7.9	347	3.35	4.2	1.8	3.9	0.3	62	0.6	0.3	0.3	86	0.40	0.116
SBL18E 5400N	Soil			3.1	40.2	98.1	73	0.9	33.7	12.2	434	4.59	4.5	2.8	7.9	1.1	96	0.4	0.2	0.1	63	0.49	0.224
SBL18E 5350N	Soil			1.8	22.5	5.6	52	<0.1	42.4	14.7	530	4.09	4.7	2.7	1.5	4.7	126	0.2	0.2	<0.1	61	0.62	0.400
SBL18E 5300N	Soil			1.1	32.9	7.6	60	<0.1	51.0	16.8	492	3.43	3.2	2.9	1.8	5.5	117	0.1	0.2	<0.1	67	0.52	0.403
SBL18E 5250N	Soil			2.7	22.0	8.0	24	0.2	13.5	3.2	171	1.87	2.1	1.4	1.9	0.2	26	0.1	0.1	0.2	37	0.14	0.125
SBL18E 5200N	Soil			2.8	20.5	7.2	39	0.2	23.3	6.0	228	2.79	3.4	2.0	14.8	0.3	30	0.2	0.2	0.2	45	0.16	0.185
SBL18E 5150N	Soil			1.4	27.9	8.0	65	0.2	52.4	15.1	531	4.43	3.1	1.5	2.2	1.4	66	0.2	0.3	0.2	80	0.43	0.183
SBL18E 5100N	Soil			1.9	27.2	7.7	70	0.2	50.3	12.9	486	4.06	3.0	1.8	2.5	1.1	65	0.3	0.2	0.2	74	0.38	0.208
SBL18E 5050N	Soil			1.2	25.8	11.1	46	0.2	31.3	8.5	237	2.75	2.9	1.3	2.9	0.4	25	0.3	0.2	0.3	58	0.18	0.134
SBL18E 5000N	Soil			1.4	21.3	9.3	54	0.2	37.8	8.9	363	3.30	2.2	1.3	3.8	0.2	23	0.1	0.2	0.3	57	0.16	0.127
SBL18E 4950N	Soil			1.2	28.9	6.3	65	<0.1	64.2	17.2	451	4.04	2.8	1.6	1.8	2.0	52	0.1	0.2	0.2	70	0.30	0.187
SBL18E 4900N	Soil			2.3	24.1	8.8	54	0.2	37.2	9.2	302	3.56	2.5	1.4	1.7	0.4	28	0.2	0.2	0.2	62	0.18	0.133
SBL18E 4850N	Soil			2.7	21.5	10.9	42	0.2	21.0	5.2	208	2.71	1.8	1.4	3.4	0.2	21	0.2	0.1	0.2	47	0.12	0.137
SBL18E 4800N	Soil			2.5	25.9	5.8	81	0.1	59.1	15.5	683	3.95	2.6	1.7	2.5	0.6	122	0.2	0.2	<0.1	83	0.47	0.243
SBL18E 4750N	Soil			1.4	39.2	8.6	61	0.1	42.4	14.4	461	4.61	3.7	1.7	2.1	1.2	41	0.1	0.3	0.2	89	0.22	0.150
SBL18E 4700N	Soil			1.6	56.3	9.5	46	0.8	20.3	8.4	364	3.79	2.9	2.5	5.0	0.3	27	0.2	0.2	0.2	62	0.14	0.157
SBL19E 7000N	Soil			2.4	51.2	9.5	39	1.5	10.5	6.4	249	2.99	4.4	1.9	9.8	0.1	19	0.2	0.4	0.4	105	0.19	0.094
SBL19E 6950N	Soil			4.0	62.2	5.1	35	0.7	12.4	8.7	231	4.43	4.7	1.4	237.8	0.9	24	0.3	0.5	0.4	120	0.27	0.091
SBL19E 6900N	Soil			8.2	24.2	11.2	37	0.6	18.3	5.6	228	3.26	3.7	1.3	15.1	0.1	13	0.3	0.4	0.4	80	0.10	0.076
SBL19E 6850N	Soil			2.4	42.8	7.4	21	1.1	7.5	3.2	94	1.98	2.1	1.4	7.0	<0.1	12	0.2	0.3	0.3	108	0.10	0.089
SBL19E 6800N	Soil			3.8	60.9	5.8	73	0.1	17.6	15.5	810	6.60	8.5	1.7	6.6	0.5	30	0.5	0.4	0.4	300	0.45	0.199
SBL19E 6750N	Soil			9.3	61.1	11.3	71	0.9	16.1	7.8	424	3.06	4.2	4.1	3.4	0.1	20	0.3	0.4	0.6	99	0.25	0.142
SBL19E 6700N	Soil			3.5	36.5	7.1	23	0.7	6.1	2.6	89	2.07	3.0	1.0	2.2	<0.1	8	0.3	0.2	0.3	51	0.07	0.119
SBL19E 6650N	Soil			1.9	49.7	15.3	14	0.6	4.8	2.1	80	1.26	2.1	2.9	0.7	0.1	18	0.6	0.2	0.3	30	0.11	0.088
SBL19E 6600N	Soil			2.4	42.0	10.2	23	0.1	6.9	3.6	114	2.90	3.4	0.9	3.2	0.1	12	0.4	0.3	0.3	98	0.12	0.121
SBL19E 6550N	Soil			2.4	39.7	7.5	28	0.6	9.9	3.9	133	2.47	3.0	0.8	2.8	0.2	11	0.2	0.2	0.4	94	0.11	0.067
SBL19E 6500N	Soil			2.9	75.6	6.4	65	0.1	20.6	11.8	434	3.11	3.7	2.0	6.9	1.0	25	0.2	0.4	0.3	134	0.34	0.140
SBL19E 6450N	Soil			4.6	44.1	10.1	33	0.3	14.5	4.5	161	2.77	4.1	2.3	1.2	0.3	9	0.4	0.4	0.4	74	0.10	0.084

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				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
SBL18E 5550N	Soil			14	18	0.24	99	0.063	2	1.53	0.014	0.05	0.2	0.09	0.8	0.1	0.13	10	0.9
SBL18E 5500N	Soil			15	22	0.72	299	0.160	<1	4.02	0.026	0.07	0.2	0.03	3.2	<0.1	<0.05	12	0.7
SBL18E 5450N	Soil			22	24	0.48	124	0.133	<1	2.42	0.020	0.07	0.3	0.06	1.7	<0.1	0.11	12	<0.5
SBL18E 5400N	Soil			32	21	0.57	120	0.225	1	5.00	0.043	0.04	0.4	0.13	2.7	<0.1	0.13	16	1.3
SBL18E 5350N	Soil			50	21	0.84	154	0.216	<1	7.46	0.050	0.05	0.6	0.07	2.9	<0.1	<0.05	15	1.0
SBL18E 5300N	Soil			55	27	0.81	125	0.224	<1	6.71	0.028	0.04	0.6	0.05	3.3	<0.1	<0.05	14	0.7
SBL18E 5250N	Soil			26	18	0.21	66	0.092	1	3.26	0.019	0.03	1.2	0.08	1.1	<0.1	<0.05	10	0.9
SBL18E 5200N	Soil			25	25	0.34	72	0.083	1	5.05	0.016	0.05	0.5	0.13	1.1	<0.1	0.12	12	1.4
SBL18E 5150N	Soil			31	30	0.70	201	0.258	1	4.49	0.039	0.05	0.3	0.05	3.0	<0.1	<0.05	12	0.8
SBL18E 5100N	Soil			26	29	0.65	178	0.246	<1	4.62	0.035	0.05	0.2	0.06	2.9	<0.1	0.06	14	0.9
SBL18E 5050N	Soil			12	34	0.46	119	0.171	2	3.23	0.021	0.06	0.2	0.07	2.2	0.1	<0.05	13	0.7
SBL18E 5000N	Soil			13	31	0.38	120	0.158	<1	3.30	0.016	0.05	0.2	0.05	1.6	<0.1	0.08	12	0.7
SBL18E 4950N	Soil			33	35	0.70	217	0.215	1	4.99	0.025	0.05	0.3	0.04	3.3	<0.1	<0.05	13	0.5
SBL18E 4900N	Soil			24	31	0.40	126	0.174	<1	3.74	0.020	0.05	0.3	0.08	1.9	<0.1	0.06	14	<0.5
SBL18E 4850N	Soil			17	28	0.22	86	0.144	<1	2.97	0.016	0.04	0.3	0.06	1.2	<0.1	0.07	13	0.7
SBL18E 4800N	Soil			35	31	0.66	176	0.180	3	4.37	0.026	0.07	0.3	0.07	1.6	<0.1	0.09	12	0.6
SBL18E 4750N	Soil			56	37	0.62	212	0.209	2	4.62	0.019	0.06	0.2	0.05	3.7	<0.1	<0.05	13	0.9
SBL18E 4700N	Soil			25	28	0.40	118	0.112	2	4.07	0.014	0.05	0.3	0.11	1.9	<0.1	0.08	12	1.0
SBL19E 7000N	Soil			7	20	0.39	79	0.041	<1	2.29	0.015	0.06	0.8	0.11	1.2	<0.1	0.05	8	0.5
SBL19E 6950N	Soil			7	23	0.53	124	0.095	1	4.02	0.015	0.06	0.9	0.13	2.7	<0.1	<0.05	7	0.9
SBL19E 6900N	Soil			4	34	0.63	68	0.044	<1	2.39	0.009	0.05	0.4	0.11	1.3	0.1	0.05	13	0.5
SBL19E 6850N	Soil			7	19	0.21	48	0.042	2	2.69	0.009	0.03	0.6	0.08	1.3	<0.1	0.16	8	1.5
SBL19E 6800N	Soil			7	40	0.43	108	0.051	2	2.54	0.011	0.12	1.4	0.06	1.9	<0.1	0.12	8	0.9
SBL19E 6750N	Soil			8	26	0.41	81	0.030	3	2.97	0.012	0.09	0.8	0.05	1.2	0.1	0.18	9	0.9
SBL19E 6700N	Soil			4	16	0.15	32	0.020	2	2.19	0.009	0.04	0.4	0.12	0.4	<0.1	0.17	8	2.5
SBL19E 6650N	Soil			5	12	0.08	36	0.015	2	2.71	0.010	0.03	0.3	0.13	0.4	<0.1	0.09	5	0.8
SBL19E 6600N	Soil			4	23	0.19	47	0.038	1	2.51	0.008	0.03	0.6	0.13	0.9	<0.1	0.07	7	1.1
SBL19E 6550N	Soil			6	24	0.23	48	0.053	<1	2.43	0.009	0.04	0.5	0.06	1.3	<0.1	0.06	9	1.1
SBL19E 6500N	Soil			10	32	0.57	115	0.087	2	2.33	0.012	0.07	0.7	0.03	3.3	<0.1	<0.05	6	0.8
SBL19E 6450N	Soil			5	28	0.34	36	0.060	<1	2.90	0.007	0.04	0.3	0.10	1.7	<0.1	0.08	10	1.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: December 08, 2007

Page: 6 of 13 Part: 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	1DX15																			
		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
SBL19E 6400N	Soil	6.9	33.5	9.3	51	0.2	23.1	8.8	457	2.11	4.6	1.4	4.4	0.1	19	0.3	0.5	0.4	68	0.37	0.093
SBL19E 6350N	Soil	2.7	34.9	6.7	25	0.2	7.6	3.8	118	2.97	2.7	0.7	6.9	0.3	10	0.3	0.3	0.4	98	0.11	0.052
SBL19E 6300N	Soil	5.4	48.5	11.3	55	0.3	18.4	9.9	371	2.38	4.0	1.2	2.9	0.2	18	0.3	0.7	0.6	75	0.20	0.118
SBL19E 6250N	Soil	5.2	52.5	6.8	45	0.2	12.7	7.2	295	2.67	4.5	1.0	2.8	0.5	18	0.2	0.4	0.3	91	0.21	0.105
SBL19E 6200N	Soil	3.5	63.6	9.4	44	0.5	12.8	6.2	223	2.45	4.3	1.2	2.0	0.1	14	0.2	0.4	0.5	64	0.15	0.156
SBL19E 6150N	Soil	2.3	25.6	10.1	24	0.3	3.2	3.2	139	1.31	1.8	0.7	<0.5	<0.1	7	0.2	0.2	0.3	39	0.06	0.068
SBL19E 6100N	Soil	1.9	6.4	8.4	13	0.2	2.4	1.4	53	0.59	<0.5	0.4	<0.5	0.1	5	<0.1	<0.1	<0.1	20	0.08	0.047
SBL19E 6050N	Soil	2.4	25.5	5.6	20	0.6	5.1	2.2	82	1.55	1.6	1.1	<0.5	<0.1	7	0.2	0.1	0.2	47	0.10	0.073
SBL19E 6000N	Soil	3.3	112.7	82.5	84	1.1	13.7	12.6	654	3.78	8.4	1.9	5.2	0.3	12	0.9	0.6	0.4	71	0.11	0.112
SBL19E 5950N	Soil	6.2	58.9	9.7	131	0.8	13.1	8.8	493	3.02	4.5	3.5	2.3	0.2	21	0.6	0.5	0.3	77	0.28	0.104
SBL19E 5900N	Soil	1.7	56.4	10.1	38	0.2	10.9	5.5	203	2.46	3.1	1.1	1.6	0.2	16	0.5	0.3	0.2	73	0.15	0.083
SBL19E 5850N	Soil	2.1	53.1	15.1	56	0.1	26.4	10.3	390	3.51	4.5	1.1	2.5	0.8	37	0.2	0.3	0.3	84	0.27	0.109
SBL19E 5800N	Soil	2.1	30.9	15.5	49	0.2	17.5	7.9	304	2.91	3.7	1.0	1.9	0.6	26	0.1	0.3	0.4	74	0.19	0.089
SBL19E 5750N	Soil	1.8	17.2	10.1	7	0.2	2.7	1.0	36	0.96	2.3	1.1	0.9	0.2	4	<0.1	<0.1	0.2	18	0.04	0.066
SBL19E 5700N	Soil	1.9	63.1	13.8	17	<0.1	7.1	2.9	104	1.57	1.3	1.4	<0.5	0.2	16	0.2	0.1	0.2	42	0.08	0.072
SBL19E 5650N	Soil	2.2	31.8	25.3	47	0.6	19.6	7.2	346	2.79	2.1	1.7	<0.5	0.5	44	0.2	0.2	0.2	68	0.22	0.111
SBL19E 5600N	Soil	7.8	42.1	12.8	87	0.3	17.4	10.5	1062	4.15	5.7	1.8	2.9	0.5	64	0.7	0.3	0.3	136	0.33	0.135
SBL19E 5550N	Soil	1.3	16.7	9.8	12	0.4	3.6	1.1	34	0.80	0.9	1.0	<0.5	<0.1	13	0.1	<0.1	0.2	22	0.05	0.100
SBL19E 5500N	Soil	2.3	83.9	29.3	193	<0.1	30.1	28.1	1522	5.81	13.4	4.2	2.5	4.5	984	0.7	0.5	0.2	164	0.52	0.183
SBL19E 5450N	Soil	2.4	26.8	6.7	82	<0.1	53.6	21.6	827	5.44	3.1	3.6	<0.5	6.7	136	0.3	0.1	<0.1	72	0.40	0.278
SBL19E 5400N	Soil	2.3	17.4	5.7	42	<0.1	26.8	8.3	437	3.10	2.8	1.3	<0.5	0.3	74	0.2	0.1	0.1	60	0.37	0.185
SBL19E 5350N	Soil	1.7	14.1	2.7	45	<0.1	33.7	10.0	425	3.27	3.8	1.5	<0.5	1.5	158	0.2	0.1	<0.1	65	0.89	0.403
SBL19E 5300N	Soil	1.7	15.3	5.4	45	<0.1	33.6	8.3	335	2.62	3.2	1.2	<0.5	0.4	55	0.1	0.2	0.2	52	0.39	0.163
SBL19E 5250N	Soil	1.4	17.2	3.1	59	<0.1	65.9	14.6	366	2.97	3.5	1.2	<0.5	1.9	72	0.1	0.1	<0.1	72	0.66	0.248
SBL19E 5200N	Soil	1.8	19.1	5.1	55	<0.1	36.0	13.4	710	3.48	2.8	1.5	12.3	0.6	65	0.3	0.2	0.1	71	0.32	0.202
SBL19E 5150N	Soil	1.1	17.8	10.0	28	0.3	17.2	4.7	155	1.73	1.4	0.9	6.6	<0.1	19	0.2	0.2	0.2	37	0.09	0.124
SBL19E 5100N	Soil	2.1	20.2	7.4	50	0.2	29.8	9.4	425	2.73	2.3	1.3	8.0	0.5	20	0.1	0.2	0.3	55	0.14	0.153
SBL19E 5050N	Soil	2.3	17.8	6.1	37	0.1	30.1	8.2	269	2.68	1.8	1.1	5.2	0.2	22	0.2	0.2	0.2	53	0.15	0.117
SBL19E 5000N	Soil	1.2	18.7	6.4	46	<0.1	33.7	9.4	289	2.89	2.2	1.2	5.7	0.4	37	0.2	0.1	0.1	56	0.27	0.130
SBL19E 4950N	Soil	1.5	14.5	5.5	36	<0.1	23.6	6.2	229	2.37	2.4	1.4	5.6	0.4	31	0.2	0.1	0.1	45	0.22	0.157

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL19E 6400N	Soil		6	58	0.55	50	0.056	2	1.86	0.024	0.06	0.6	0.05	1.5	<0.1	0.07	6	0.7
SBL19E 6350N	Soil		4	20	0.17	38	0.069	1	1.85	0.009	0.03	0.4	0.06	1.3	<0.1	<0.05	9	0.8
SBL19E 6300N	Soil		7	27	0.43	89	0.050	2	2.23	0.013	0.06	1.0	0.05	1.3	<0.1	<0.05	8	0.7
SBL19E 6250N	Soil		5	22	0.44	70	0.075	<1	2.39	0.011	0.05	1.0	0.06	1.9	<0.1	0.05	7	1.1
SBL19E 6200N	Soil		6	22	0.44	54	0.048	2	2.69	0.013	0.06	0.6	0.08	1.3	0.1	0.07	8	1.5
SBL19E 6150N	Soil		4	10	0.23	36	0.037	1	1.59	0.010	0.04	0.3	0.07	0.7	<0.1	<0.05	8	0.8
SBL19E 6100N	Soil		3	4	0.08	14	0.040	<1	0.91	0.016	0.02	<0.1	0.03	0.5	<0.1	<0.05	3	<0.5
SBL19E 6050N	Soil		3	11	0.14	28	0.034	<1	1.61	0.011	0.03	0.3	0.11	0.7	<0.1	0.06	6	1.1
SBL19E 6000N	Soil		8	31	0.40	64	0.052	3	2.90	0.009	0.07	0.3	0.09	1.7	0.1	0.11	11	2.0
SBL19E 5950N	Soil		8	23	0.55	79	0.054	2	3.39	0.012	0.08	0.3	0.08	1.8	0.1	0.09	9	1.7
SBL19E 5900N	Soil		8	24	0.40	63	0.075	2	3.32	0.011	0.05	0.2	0.07	2.1	<0.1	<0.05	10	0.8
SBL19E 5850N	Soil		12	28	0.61	107	0.153	<1	3.28	0.015	0.06	0.3	0.06	2.8	<0.1	0.08	11	1.5
SBL19E 5800N	Soil		11	28	0.43	72	0.134	<1	2.54	0.017	0.04	0.2	0.06	2.1	<0.1	0.06	12	1.0
SBL19E 5750N	Soil		7	9	0.05	21	0.084	<1	2.39	0.013	0.01	0.1	0.07	1.2	<0.1	0.06	10	1.3
SBL19E 5700N	Soil		8	14	0.11	67	0.141	1	1.72	0.012	0.02	0.1	0.09	1.6	<0.1	0.08	9	<0.5
SBL19E 5650N	Soil		17	30	0.32	124	0.216	1	2.43	0.017	0.05	0.2	0.07	2.2	<0.1	0.14	15	1.1
SBL19E 5600N	Soil		13	25	0.43	147	0.157	1	2.05	0.014	0.07	0.1	0.04	2.5	<0.1	0.18	14	0.6
SBL19E 5550N	Soil		8	10	0.04	42	0.028	<1	1.27	0.011	0.02	0.1	0.05	0.4	<0.1	0.14	5	0.8
SBL19E 5500N	Soil		34	31	1.27	467	0.377	<1	4.03	0.024	0.30	1.2	0.02	5.7	<0.1	<0.05	17	1.0
SBL19E 5450N	Soil		51	17	1.18	276	0.398	1	7.80	0.030	0.04	0.3	0.07	4.7	<0.1	0.11	20	1.3
SBL19E 5400N	Soil		24	15	0.31	100	0.128	1	3.55	0.040	0.04	0.2	0.07	1.3	<0.1	0.13	14	0.9
SBL19E 5350N	Soil		39	13	0.48	101	0.172	<1	5.50	0.087	0.03	0.4	0.06	2.5	<0.1	0.08	17	2.1
SBL19E 5300N	Soil		21	23	0.36	95	0.114	<1	2.88	0.031	0.04	0.2	0.05	1.3	<0.1	0.10	13	0.5
SBL19E 5250N	Soil		33	26	0.79	115	0.184	1	5.25	0.040	0.05	0.3	0.05	2.9	<0.1	0.08	11	1.2
SBL19E 5200N	Soil		22	18	0.49	151	0.159	<1	4.46	0.026	0.04	0.2	0.07	1.7	<0.1	0.13	12	0.8
SBL19E 5150N	Soil		14	18	0.15	91	0.074	1	2.17	0.010	0.04	0.2	0.06	0.6	<0.1	0.12	9	<0.5
SBL19E 5100N	Soil		11	20	0.36	99	0.136	<1	2.44	0.014	0.05	0.2	0.05	1.4	<0.1	0.17	10	1.1
SBL19E 5050N	Soil		11	24	0.27	104	0.116	<1	2.61	0.016	0.04	0.1	0.07	1.4	<0.1	0.16	10	1.1
SBL19E 5000N	Soil		14	25	0.38	109	0.144	<1	3.05	0.023	0.04	0.2	0.07	1.5	<0.1	0.08	12	0.8
SBL19E 4950N	Soil		15	18	0.24	78	0.088	<1	3.29	0.020	0.03	0.2	0.07	1.2	<0.1	0.12	12	1.1

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB
Report Date: December 08, 2007

Page 7 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	
				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	2	0.01	0.001	
SBL19E 4900N	Soil			1.8	16.0	7.0	42	<0.1	24.0	7.7	290	2.72	3.0	1.3	8.4	0.4	52	0.2	0.1	0.2	49	0.26	0.178
SBL19E 4850N	Soil			1.4	25.9	7.6	47	<0.1	37.8	10.0	284	3.15	2.8	1.9	10.0	1.0	37	0.3	0.2	0.1	60	0.24	0.171
SBL19E 4800N	Soil			2.3	22.7	6.3	47	<0.1	24.3	8.1	294	3.35	2.9	1.6	11.6	1.0	43	0.2	0.1	0.1	54	0.21	0.160
SBL19E 4750N	Soil			1.6	19.5	6.0	76	<0.1	53.9	16.3	828	4.23	2.4	1.4	9.5	0.8	77	0.3	0.1	<0.1	64	0.36	0.158
SBL19E 4700N	Soil			3.1	20.0	8.5	65	<0.1	19.9	7.8	757	3.51	2.2	1.7	13.7	0.5	46	0.4	0.2	0.2	59	0.11	0.143
SBL20E 5700N	Soil			2.4	15.5	6.8	43	<0.1	20.9	8.0	382	2.88	2.7	1.5	13.7	0.4	78	0.2	0.2	0.1	57	0.38	0.196
SBL20E 5650N	Soil			2.8	10.1	2.9	35	<0.1	23.1	7.9	382	1.95	2.7	2.2	4.4	1.0	86	0.1	0.1	<0.1	65	0.51	0.306
SBL20E 5600N	Soil			1.9	10.0	3.6	37	<0.1	20.2	6.9	362	1.91	2.8	1.8	3.2	0.3	60	0.3	0.1	0.1	58	0.39	0.256
SBL20E 5550N	Soil			1.3	9.6	4.6	41	<0.1	24.2	8.3	408	1.69	3.1	2.4	4.4	1.9	132	0.2	0.1	<0.1	57	0.68	0.375
SBL20E 5500N	Soil			1.0	9.6	1.8	31	<0.1	22.9	8.2	294	1.84	2.8	2.4	4.0	1.7	110	0.2	<0.1	<0.1	56	0.61	0.350
SBL20E 5450N	Soil			0.9	9.2	2.3	38	<0.1	26.4	7.2	402	1.95	2.3	2.0	4.2	0.7	100	0.2	0.1	<0.1	50	0.55	0.271
SBL20E 5400N	Soil			0.7	11.8	3.5	42	<0.1	33.7	9.4	271	1.96	3.0	1.8	2.9	0.9	73	<0.1	0.1	<0.1	56	0.43	0.249
SBL20E 5350N	Soil			0.8	13.5	5.2	47	<0.1	46.4	10.4	232	2.46	1.7	1.0	5.1	0.6	58	0.2	0.1	0.1	56	0.37	0.110
SBL20E 5300N	Soil			1.3	10.5	9.3	33	<0.1	25.2	8.3	373	1.92	0.9	0.9	2.1	<0.1	31	0.3	0.1	0.2	56	0.14	0.108
SBL20E 5250N	Soil			2.2	14.8	12.1	39	<0.1	27.9	7.5	335	2.88	1.5	1.3	8.8	0.3	27	0.3	0.1	0.1	73	0.14	0.104
SBL20E 5200N	Soil			2.2	18.3	9.6	55	0.2	26.0	7.0	418	2.43	1.4	1.3	4.1	0.1	31	0.3	0.2	0.3	55	0.13	0.148
SBL20E 5150N	Soil			2.6	39.2	11.5	87	<0.1	47.1	16.7	487	3.40	5.0	1.9	8.8	4.6	146	0.2	0.3	0.3	88	0.88	0.336
SBL20E 5100N	Soil			1.6	16.5	2.8	41	<0.1	34.0	11.9	380	2.69	3.6	2.1	12.3	3.8	96	0.2	0.1	<0.1	67	0.78	0.322
SBL20E 5050N	Soil			1.1	15.4	3.1	41	<0.1	43.4	11.3	441	2.31	1.6	1.6	6.0	0.4	79	0.2	<0.1	<0.1	73	0.48	0.181
SBL20E 5000N	Soil			1.6	28.5	6.1	63	<0.1	77.2	23.1	750	3.87	2.7	2.5	10.5	3.3	107	0.2	0.1	<0.1	89	0.67	0.201
SBL20E 4950N	Soil			1.7	14.0	5.5	48	<0.1	33.7	20.0	1470	2.84	1.3	0.8	5.6	0.2	68	0.2	0.1	0.1	66	0.33	0.126
SBL20E 4900N	Soil			4.8	15.6	7.9	56	<0.1	26.4	11.8	828	3.32	1.7	2.0	16.7	0.5	75	0.3	0.2	0.1	64	0.28	0.154
SBL20E 4850N	Soil			4.4	18.2	6.9	64	<0.1	24.4	11.0	788	4.29	2.4	2.1	19.9	1.1	141	0.2	0.1	<0.1	84	0.35	0.189
SBL20E 4800N	Soil			6.5	21.8	8.3	88	0.4	30.3	17.4	1696	5.36	1.8	2.1	1.4	0.7	73	0.3	0.2	0.2	94	0.26	0.177
SBL20E 4750N	Soil			4.5	26.9	8.2	76	0.2	52.3	19.3	857	4.97	3.0	1.6	1.7	1.3	113	0.3	0.2	0.1	91	0.76	0.329
SBL20E 4700N	Soil			3.0	44.7	7.9	81	0.2	62.3	25.3	879	6.41	3.5	4.2	4.4	5.9	298	0.3	0.2	0.2	130	0.88	0.214
SBL31E 5950N	Soil			2.7	81.5	6.4	43	2.1	51.2	5.1	103	1.45	2.1	1.8	7.1	0.2	9	1.3	0.3	0.3	34	0.10	0.061
SBL31E 5900N	Soil			4.0	11.5	9.6	23	<0.1	4.3	2.2	88	1.62	1.9	0.4	<0.5	0.2	10	0.2	0.3	0.5	81	0.10	0.034
SBL31E 5850N	Soil			4.1	40.2	5.2	38	0.6	6.0	4.3	219	2.95	2.9	0.7	25.5	0.3	31	1.1	0.3	2.2	71	0.21	0.053
SBL31E 5800N	Soil			3.0	47.1	5.4	20	1.6	8.6	3.4	86	1.45	2.7	1.4	2.0	<0.1	12	0.6	0.4	0.3	36	0.17	0.133

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

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

Project: SB
 Report Date: December 08, 2007

Page: 7 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	La ppm	Cr ppm	Mg %	Ba ppm	Tl %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Ti ppm	S %	Ga ppm	Se ppm	
	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	
SBL19E 4900N	Soil	16	19	0.33	108	0.109	1	3.53	0.023	0.04	0.3	0.07	1.2	<0.1	0.12	12	1.3
SBL19E 4850N	Soil	32	25	0.47	138	0.153	<1	4.44	0.023	0.04	0.2	0.07	2.1	<0.1	0.07	12	0.5
SBL19E 4800N	Soil	26	22	0.34	106	0.143	<1	4.37	0.021	0.03	0.3	0.09	1.9	<0.1	0.09	13	1.5
SBL19E 4750N	Soil	28	29	0.55	193	0.195	1	3.72	0.023	0.04	0.2	0.07	1.7	<0.1	0.13	13	0.7
SBL19E 4700N	Soil	23	21	0.21	143	0.129	<1	3.15	0.012	0.04	0.2	0.07	1.5	<0.1	0.14	12	1.1
SBL20E 5700N	Soil	30	20	0.35	134	0.125	1	3.27	0.023	0.04	0.3	0.07	1.3	<0.1	0.12	12	0.6
SBL20E 5650N	Soil	38	13	0.37	42	0.117	1	3.39	0.039	0.03	0.6	0.04	1.0	<0.1	0.14	10	0.9
SBL20E 5600N	Soil	33	12	0.28	45	0.066	2	3.02	0.028	0.04	0.4	0.05	0.8	<0.1	0.12	10	1.2
SBL20E 5550N	Soil	56	11	0.38	50	0.092	1	4.08	0.030	0.02	0.6	0.05	0.9	<0.1	<0.05	10	1.1
SBL20E 5500N	Soil	50	10	0.35	55	0.101	<1	4.61	0.029	0.02	0.5	0.05	1.0	<0.1	0.06	11	0.9
SBL20E 5450N	Soil	43	13	0.27	53	0.091	1	3.55	0.027	0.02	0.4	0.05	0.9	<0.1	0.05	11	0.6
SBL20E 5400N	Soil	37	16	0.40	64	0.085	<1	4.99	0.021	0.04	0.2	0.04	1.2	<0.1	0.06	11	1.1
SBL20E 5350N	Soil	18	23	0.41	138	0.143	<1	3.03	0.022	0.04	0.2	0.04	1.8	<0.1	0.06	11	<0.5
SBL20E 5300N	Soil	9	23	0.14	112	0.079	1	1.24	0.011	0.04	<0.1	0.05	0.6	<0.1	0.14	7	<0.5
SBL20E 5250N	Soil	19	30	0.20	102	0.169	<1	2.14	0.009	0.04	0.1	0.06	1.3	<0.1	0.15	10	0.5
SBL20E 5200N	Soil	8	25	0.23	170	0.085	<1	1.50	0.009	0.06	0.1	0.07	0.7	<0.1	0.20	10	<0.5
SBL20E 5150N	Soil	42	20	0.98	145	0.265	2	4.32	0.082	0.10	0.9	0.03	3.1	<0.1	<0.05	12	0.6
SBL20E 5100N	Soil	34	13	0.68	87	0.197	<1	6.41	0.080	0.03	0.5	0.08	2.9	<0.1	0.06	11	1.0
SBL20E 5050N	Soil	28	19	0.42	149	0.128	<1	3.84	0.032	0.03	0.2	0.05	1.4	<0.1	0.09	12	<0.5
SBL20E 5000N	Soil	36	38	1.16	226	0.332	<1	5.86	0.059	0.05	0.3	0.06	2.9	<0.1	0.06	12	0.6
SBL20E 4950N	Soil	13	18	0.25	218	0.108	<1	2.07	0.018	0.04	0.1	0.08	1.1	<0.1	0.19	9	<0.5
SBL20E 4900N	Soil	22	13	0.26	184	0.134	1	3.56	0.021	0.05	0.2	0.09	1.6	<0.1	0.16	12	<0.5
SBL20E 4850N	Soil	28	11	0.36	259	0.234	<1	4.76	0.036	0.04	0.3	0.08	2.5	<0.1	0.11	15	<0.5
SBL20E 4800N	Soil	20	23	0.41	194	0.181	1	3.32	0.021	0.07	0.2	0.08	1.9	<0.1	0.13	16	0.7
SBL20E 4750N	Soil	37	28	0.68	153	0.205	2	5.46	0.081	0.07	0.3	0.05	2.9	<0.1	<0.05	15	0.8
SBL20E 4700N	Soil	99	26	1.21	392	0.398	1	8.54	0.076	0.10	0.4	0.07	6.5	<0.1	<0.05	17	1.2
SBL31E 5950N	Soil	5	55	0.56	23	0.043	<1	3.18	0.015	0.04	0.4	0.27	1.0	0.1	<0.05	4	1.5
SBL31E 5900N	Soil	3	9	0.09	35	0.088	<1	0.70	0.011	0.04	0.3	0.05	0.9	0.1	<0.05	7	<0.5
SBL31E 5850N	Soil	4	12	0.39	93	0.093	2	2.53	0.018	0.11	4.0	0.14	1.7	0.2	<0.05	7	1.0
SBL31E 5800N	Soil	8	16	0.14	34	0.015	2	3.10	0.015	0.03	0.6	0.20	0.5	<0.1	0.15	3	0.8

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

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

Project: SB
Report Date: December 08, 2007

Page: 8 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
				0.1	0.1	0.1	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	
SBL31E 5750N	Soil			3.3	18.5	11.3	26	0.3	9.8	3.0	104	2.21	2.5	0.5	0.8	0.8	14	0.3	0.4	0.6	84	0.17	0.034
SBL31E 5700N	Soil			2.9	61.2	20.1	76	0.5	9.9	5.9	203	1.92	1.9	1.3	3.0	<0.1	24	2.2	0.3	0.4	46	0.28	0.107
SBL31E 5650N	Soil			3.3	42.3	9.5	55	0.3	6.9	6.5	330	4.07	3.8	0.8	1.1	0.7	19	0.9	0.3	1.0	106	0.20	0.039
SBL31E 5600N	Soil			4.3	22.0	12.2	40	0.2	7.0	3.6	203	2.22	1.6	0.5	1.3	0.3	17	0.8	0.3	1.0	79	0.17	0.035
SBL31E 5550N	Soil			7.9	90.0	6.9	36	0.8	12.1	6.5	261	2.41	2.6	2.2	3.3	<0.1	18	0.4	0.2	0.9	65	0.15	0.128
SBL31E 5500N	Soil			4.6	18.2	10.6	19	0.1	7.7	2.5	88	1.67	2.8	0.5	5.6	0.3	11	0.2	0.3	0.5	73	0.13	0.038
SBL31E 5450N	Soil			4.7	19.9	13.4	12	0.2	4.5	1.4	47	1.53	1.2	0.6	1.8	0.4	8	0.3	0.3	0.7	67	0.07	0.033
SBL31E 5400N	Soil			5.0	79.1	11.2	43	0.8	8.0	3.7	212	4.27	4.0	0.8	5.2	0.7	13	0.3	0.4	8.2	111	0.12	0.041
SBL31E 5350N	Soil			4.3	52.6	38.9	75	1.0	20.7	7.8	331	3.71	5.7	0.7	2.7	0.9	22	0.6	0.5	1.3	89	0.23	0.080
SBL31E 5300N	Soil			21.8	54.7	10.0	47	0.5	10.9	7.3	476	2.99	3.0	0.8	2.5	0.2	13	0.9	0.3	2.2	75	0.13	0.063
SBL31E 5250N	Soil			8.2	31.7	10.1	31	0.4	11.4	4.5	167	1.87	2.2	0.8	6.3	0.2	14	0.4	0.2	1.9	55	0.14	0.060
SBL31E 5200N	Soil			12.0	30.1	9.8	38	0.6	11.7	3.9	188	2.35	2.7	0.9	3.5	0.2	12	0.6	0.3	1.6	69	0.12	0.079
SBL31E 5150N	Soil			16.7	28.9	8.4	21	0.5	5.7	2.2	100	1.70	1.6	0.5	0.8	0.2	10	0.3	0.3	1.9	59	0.09	0.045
SBL31E 5100N	Soil			17.7	32.8	9.3	26	0.3	7.3	2.9	123	2.22	1.9	0.8	1.8	0.2	10	0.2	0.3	2.1	66	0.10	0.061
SBL31E 5050N	Soil			21.5	39.5	10.1	35	0.5	9.2	3.7	155	2.53	2.8	0.8	2.2	0.2	13	0.3	0.4	2.7	79	0.13	0.058
SBL31E 5000N	Soil			4.4	28.9	9.8	18	0.3	4.2	2.1	95	1.68	1.6	0.8	<0.5	<0.1	10	0.1	0.1	1.2	45	0.07	0.085
SBL31E 4950N	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SBL31E 4900N	Soil			3.1	57.4	5.3	53	0.2	18.9	8.5	301	3.55	4.2	0.8	1.7	1.3	20	0.1	0.3	3.3	82	0.19	0.085
SBL31E 4850N	Soil			4.1	48.6	5.8	41	0.3	13.0	5.9	285	3.94	3.6	0.9	1.2	0.4	17	0.1	0.3	6.3	88	0.15	0.092
SBL31E 4800N	Soil			15.7	58.0	7.9	41	0.5	9.1	5.0	584	3.75	2.3	1.0	0.6	0.1	13	0.2	0.3	3.5	93	0.11	0.091
SBL31E 4750N	Soil			11.1	105.4	6.2	58	0.5	9.0	5.6	397	5.61	3.6	1.3	2.3	0.6	27	0.1	0.2	8.8	97	0.20	0.100
SBL31E 4700N	Soil			11.1	61.0	6.9	61	0.5	33.4	6.9	677	4.48	3.2	0.9	2.7	0.2	43	0.2	0.2	7.8	84	0.29	0.134
SBL32E 5950N	Soil			3.2	27.9	11.6	68	0.2	14.3	6.3	271	4.29	4.4	0.7	6.2	1.2	19	0.8	0.6	1.9	111	0.22	0.030
SBL32E 5900N	Soil			2.7	52.7	23.0	103	1.6	15.8	6.7	263	4.26	4.7	0.8	23.4	0.8	26	1.2	0.6	2.3	116	0.24	0.042
SBL32E 5850N	Soil			10.0	49.2	11.3	123	1.0	16.2	5.2	354	7.20	8.4	0.7	16.7	1.2	21	0.9	0.5	15.7	131	0.18	0.063
SBL32E 5800N	Soil			5.1	51.0	11.6	79	1.3	14.7	8.6	580	4.76	17.2	0.8	2.2	0.3	32	0.7	0.6	5.9	87	0.37	0.084
SBL32E 5750N	Soil			5.1	23.6	10.3	36	0.3	8.5	3.9	164	3.04	2.4	0.5	1.8	1.0	15	0.2	0.5	1.0	103	0.18	0.025
SBL32E 5700N	Soil			4.3	24.0	12.7	41	0.3	13.0	4.4	175	3.28	4.0	0.6	2.3	0.8	17	0.5	0.4	1.0	98	0.18	0.030
SBL32E 5650N	Soil			3.2	12.5	9.1	19	0.2	5.1	2.4	76	1.31	<0.5	0.4	1.0	0.2	6	0.2	<0.1	0.5	30	0.06	0.026
SBL32E 5600N	Soil			6.8	38.9	20.6	108	0.5	54.7	13.6	582	2.76	2.6	0.8	1.9	0.2	50	2.4	0.3	1.5	70	0.40	0.081

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL31E 5750N	Soil		5	28	0.18	46	0.155	1	1.10	0.011	0.04	0.8	0.08	1.3	<0.1	<0.05	10	<0.5
SBL31E 5700N	Soil		6	12	0.44	90	0.045	1	1.98	0.016	0.07	3.2	0.16	0.8	<0.1	0.09	4	0.7
SBL31E 5650N	Soil		3	15	0.49	83	0.183	<1	1.68	0.013	0.09	1.1	0.09	2.1	0.2	<0.05	11	0.5
SBL31E 5600N	Soil		4	19	0.49	46	0.143	<1	1.24	0.014	0.12	2.2	0.04	1.5	0.1	<0.05	8	<0.5
SBL31E 5550N	Soil		7	27	0.34	80	0.042	2	4.25	0.012	0.06	6.0	0.20	1.1	0.1	0.05	7	1.1
SBL31E 5500N	Soil		5	26	0.20	32	0.114	1	1.07	0.011	0.03	0.9	0.08	1.4	<0.1	<0.05	10	0.5
SBL31E 5450N	Soil		5	14	0.08	38	0.118	<1	1.10	0.009	0.02	0.5	0.09	1.2	<0.1	<0.05	12	<0.5
SBL31E 5400N	Soil		5	20	0.58	41	0.155	<1	3.17	0.011	0.04	17.4	0.11	3.4	0.2	<0.05	12	0.7
SBL31E 5350N	Soil		6	34	0.71	54	0.117	<1	3.57	0.014	0.06	2.5	0.14	2.7	0.3	<0.05	7	1.2
SBL31E 5300N	Soil		6	21	0.34	64	0.076	2	2.09	0.011	0.05	8.6	0.09	1.7	0.2	<0.05	9	0.5
SBL31E 5250N	Soil		6	24	0.35	36	0.078	1	1.69	0.015	0.05	3.9	0.05	1.3	0.1	<0.05	8	<0.5
SBL31E 5200N	Soil		6	24	0.35	40	0.067	1	1.61	0.013	0.07	4.8	0.09	1.4	0.1	0.06	9	0.6
SBL31E 5150N	Soil		4	12	0.11	36	0.070	1	0.78	0.010	0.04	6.0	0.06	0.9	0.1	<0.05	7	0.5
SBL31E 5100N	Soil		4	20	0.23	40	0.070	<1	1.50	0.011	0.04	5.0	0.06	1.1	0.1	<0.05	10	<0.5
SBL31E 5050N	Soil		6	24	0.37	67	0.096	2	1.99	0.011	0.06	7.1	0.09	1.7	0.2	<0.05	12	0.7
SBL31E 5000N	Soil		6	16	0.13	44	0.041	1	1.74	0.011	0.04	2.3	0.04	0.7	0.2	0.07	9	0.8
SBL31E 4950N	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SBL31E 4900N	Soil		8	25	0.67	79	0.106	2	3.86	0.011	0.09	12.1	0.05	2.9	0.2	<0.05	9	1.0
SBL31E 4850N	Soil		6	23	0.55	78	0.084	1	3.84	0.010	0.05	17.6	0.10	2.0	0.2	0.06	10	1.4
SBL31E 4800N	Soil		4	19	0.32	67	0.075	1	2.15	0.008	0.05	10.7	0.07	1.2	0.3	0.09	12	0.9
SBL31E 4750N	Soil		4	15	0.63	87	0.104	1	3.21	0.009	0.09	37.5	0.07	2.4	0.3	0.12	11	1.0
SBL31E 4700N	Soil		5	39	0.64	147	0.059	2	2.41	0.013	0.15	20.1	0.06	1.2	0.3	0.19	9	0.5
SBL32E 5950N	Soil		4	31	0.46	61	0.200	1	1.90	0.012	0.05	1.6	0.11	2.4	0.1	<0.05	12	0.6
SBL32E 5900N	Soil		4	28	0.43	81	0.155	1	2.20	0.011	0.06	3.4	0.13	1.9	<0.1	<0.05	11	<0.5
SBL32E 5850N	Soil		4	43	0.62	80	0.220	1	2.63	0.012	0.07	24.5	0.12	2.7	0.2	<0.05	18	1.0
SBL32E 5800N	Soil		4	23	0.41	158	0.066	2	2.22	0.011	0.08	15.1	0.18	1.8	0.2	0.08	10	0.8
SBL32E 5750N	Soil		5	20	0.24	53	0.199	1	1.06	0.010	0.06	1.7	0.06	1.8	0.2	<0.05	10	<0.5
SBL32E 5700N	Soil		6	36	0.32	54	0.145	<1	1.72	0.013	0.03	1.3	0.07	2.3	<0.1	<0.05	10	<0.5
SBL32E 5650N	Soil		3	9	0.15	15	0.066	<1	0.88	0.020	0.03	1.6	0.04	1.0	<0.1	<0.05	5	<0.5
SBL32E 5600N	Soil		7	50	0.92	93	0.092	<1	2.61	0.017	0.08	3.3	0.09	1.8	0.2	0.06	8	0.5

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

ACME ANALYTICAL LABORATORIES LTD.

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB
Report Date: December 08, 2007

Page: 9 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Br	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%		
MDL			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.6	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
SBL32E 5550N	Soil		9.6	50.5	25.0	65	0.8	16.7	15.7	434	1.97	2.0	0.9	4.0	<0.1	24	4.7	0.3	1.3	48	0.21	0.087
SBL32E 5500N	Soil		9.6	50.3	41.4	82	1.2	15.1	10.3	341	4.51	5.6	1.0	52.1	0.6	17	1.1	0.4	3.0	99	0.15	0.069
SBL32E 5450N	Soil		2.9	30.4	8.2	18	0.2	10.8	3.3	87	2.79	4.7	0.6	2.3	0.3	9	0.4	0.5	0.5	87	0.10	0.048
SBL32E 5400N	Soil		2.9	73.8	27.9	18	1.3	9.6	3.1	79	1.74	2.8	1.0	6.0	0.1	10	0.5	0.2	1.0	41	0.09	0.056
SBL32E 5350N	Soil		10.6	33.5	18.5	59	0.2	16.3	7.0	179	3.98	5.3	0.7	2.5	0.5	11	1.7	0.4	1.0	104	0.13	0.038
SBL32E 5300N	Soil		5.4	31.6	10.8	45	0.6	4.1	2.3	250	3.86	2.8	0.5	2.2	0.8	9	0.6	0.3	2.5	111	0.13	0.042
SBL32E 5250N	Soil		2.3	33.4	9.0	27	1.4	7.5	2.9	102	1.00	1.5	1.2	<0.5	0.1	14	1.0	0.2	0.9	30	0.14	0.074
SBL32E 5200N	Soil		18.8	57.0	7.4	43	0.5	15.2	6.4	315	3.44	4.2	0.8	2.9	0.3	12	0.6	0.5	1.8	81	0.12	0.074
SBL32E 5150N	Soil		25.6	58.9	7.5	43	0.4	14.1	5.9	243	3.27	3.0	0.8	<0.5	0.4	12	0.4	0.5	2.7	75	0.11	0.074
SBL32E 5100N	Soil		11.2	27.5	8.3	26	0.3	7.4	2.9	148	1.94	1.8	0.8	1.2	0.2	8	0.3	0.3	1.5	51	0.07	0.071
SBL32E 5050N	Soil		17.5	51.4	8.2	29	0.2	8.9	4.4	192	3.18	3.0	0.9	1.1	0.2	9	0.1	0.3	1.7	81	0.09	0.090
SBL32E 5000N	Soil		5.7	48.5	6.1	28	0.4	7.6	3.7	169	2.37	2.4	0.7	1.8	0.2	11	0.1	0.2	3.3	62	0.09	0.090
SBL32E 4950N	Soil		14.9	65.5	6.3	38	0.2	17.7	7.1	248	3.12	4.3	0.7	2.4	0.6	14	0.1	0.3	2.4	76	0.14	0.095
SBL32E 4900N	Soil		2.8	53.3	9.3	16	0.4	4.8	2.0	77	1.76	1.7	1.0	1.1	0.1	7	0.2	0.1	1.1	29	0.05	0.083
SBL32E 4850N	Soil		3.5	30.1	6.2	34	0.3	5.6	3.1	395	1.71	1.4	0.8	<0.5	<0.1	14	0.1	0.2	1.0	35	0.12	0.149
SBL32E 4800N	Soil		5.3	67.4	5.9	38	0.4	8.0	10.4	609	2.25	1.9	0.9	1.0	<0.1	12	0.5	0.2	2.6	48	0.10	0.146
SBL32E 4750N	Soil		12.9	80.4	6.7	50	0.4	14.7	6.0	286	4.14	3.7	0.9	1.5	0.2	29	0.2	0.3	6.7	83	0.33	0.113
SBL32E 4700N	Soil		12.1	76.5	5.9	44	0.4	13.6	5.8	256	3.88	3.6	0.9	2.3	0.2	28	0.2	0.3	6.4	77	0.31	0.106
SBL34E 5950N	Soil		4.2	42.7	8.8	48	0.3	12.5	5.6	198	2.93	3.3	0.8	13.7	0.2	17	0.6	0.4	1.7	86	0.13	0.066
SBL34E 5900N	Soil		4.7	61.1	8.9	66	0.3	17.5	7.9	243	3.71	4.5	0.9	12.2	0.3	17	1.3	0.4	1.8	94	0.16	0.071
SBL34E 5850N	Soil		6.6	42.5	17.5	105	1.5	27.4	10.1	1429	5.79	7.2	0.7	26.8	0.7	33	1.0	0.6	5.9	120	0.15	0.069
SBL34E 5800N	Soil		3.9	83.1	10.4	50	1.7	14.7	6.0	175	1.79	3.2	8.9	3.3	<0.1	30	2.0	0.4	0.8	55	0.38	0.085
SBL34E 5750N	Soil		3.0	51.1	31.0	11	0.6	2.5	1.8	46	1.12	2.1	0.3	2.8	<0.1	6	0.2	0.4	6.3	53	0.06	0.038
SBL34E 5700N	Soil		6.3	63.1	10.2	46	1.0	16.9	21.7	647	2.32	3.1	1.2	2.3	0.2	17	1.1	0.4	2.2	63	0.17	0.075
SBL34E 5450N	Soil		8.8	96.9	79.5	44	2.2	17.9	6.5	240	2.50	3.1	1.5	17.0	0.1	9	0.6	0.3	4.6	60	0.10	0.111
SBL34E 5400N	Soil		7.4	113.6	11.3	18	0.4	7.2	2.1	88	2.41	1.8	1.0	25.8	0.2	8	0.4	0.2	2.4	59	0.07	0.065
SBL34E 5350N	Soil		8.2	33.6	25.6	23	1.8	7.4	1.7	70	1.41	1.4	0.7	3.2	0.1	11	0.3	0.2	2.4	38	0.08	0.058
SBL34E 5300N	Soil		16.8	44.8	7.7	44	0.7	11.0	7.1	494	2.53	2.1	0.9	0.7	0.1	12	0.6	0.2	1.9	67	0.10	0.087
SBL34E 5250N	Soil		14.7	31.0	7.0	30	0.6	7.5	3.6	193	2.49	2.0	1.0	1.8	0.1	10	0.3	0.2	2.0	57	0.09	0.080
SBL34E 5200N	Soil		27.7	70.9	8.3	45	0.7	14.2	8.0	465	2.70	2.3	1.3	1.7	0.1	11	0.4	0.4	2.1	62	0.09	0.105

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1068 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: December 08, 2007

Page: 9 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL32E 5550N	Soil		6	20	0.40	46	0.035	2	1.89	0.012	0.05	4.4	0.08	0.8	0.1	0.08	6	<0.5
SBL32E 5500N	Soil		5	39	0.60	53	0.085	2	3.47	0.010	0.07	6.1	0.11	2.4	0.1	<0.05	11	<0.5
SBL37E 5450N	Soil		4	36	0.22	37	0.131	2	1.21	0.009	0.02	0.9	0.13	1.3	<0.1	<0.05	9	<0.5
SBL32E 5400N	Soil		6	27	0.23	42	0.054	2	3.11	0.010	0.02	1.3	0.16	1.6	0.1	0.05	6	0.7
SBL32E 5350N	Soil		4	45	0.48	53	0.103	2	2.02	0.010	0.04	2.0	0.08	2.4	<0.1	<0.05	9	<0.5
SBL32E 5300N	Soil		3	11	0.54	50	0.187	<1	2.23	0.011	0.08	2.2	0.12	2.0	0.2	<0.05	12	<0.5
SBL32E 5250N	Soil		7	22	0.24	37	0.050	2	1.70	0.015	0.07	1.7	0.12	1.6	0.2	0.07	7	0.9
SBL32E 5200N	Soil		5	29	0.36	44	0.072	1	2.34	0.010	0.05	6.0	0.06	1.9	0.1	0.07	10	0.7
SBL32E 5150N	Soil		6	26	0.42	58	0.076	<1	2.20	0.010	0.07	9.1	0.05	2.0	0.2	0.08	10	<0.5
SBL32E 5100N	Soil		4	16	0.22	37	0.049	1	1.64	0.009	0.04	3.9	0.06	0.7	0.1	0.06	8	<0.5
SBL32E 5050N	Soil		5	21	0.35	51	0.054	1	2.48	0.009	0.05	5.3	0.06	1.4	0.1	0.06	9	0.8
SBL32E 5000N	Soil		4	14	0.35	46	0.051	1	2.26	0.011	0.05	7.4	0.05	1.1	0.1	<0.05	8	0.6
SBL32E 4950N	Soil		5	27	0.53	57	0.069	1	2.82	0.010	0.04	7.3	0.05	1.8	0.1	<0.05	6	0.7
SBL32E 4900N	Soil		5	14	0.13	36	0.020	<1	2.21	0.007	0.03	2.6	0.06	0.6	0.1	<0.05	9	0.6
SBL32E 4850N	Soil		4	12	0.13	57	0.017	1	1.98	0.008	0.05	4.2	0.07	0.1	0.1	0.16	7	0.6
SBL32E 4800N	Soil		5	11	0.23	59	0.022	2	2.23	0.010	0.04	10.9	0.07	0.2	0.2	0.13	7	0.6
SBL32E 4750N	Soil		4	21	0.46	101	0.063	2	2.21	0.010	0.09	35.3	0.10	1.4	0.1	0.12	9	0.6
SBL32E 4700N	Soil		4	19	0.43	97	0.054	2	2.22	0.009	0.08	36.0	0.10	1.3	0.1	0.12	9	0.6
SBL34E 5950N	Soil		4	21	0.33	61	0.079	1	1.76	0.010	0.04	8.3	0.10	1.3	<0.1	0.05	9	<0.5
SBL34E 5900N	Soil		4	26	0.42	66	0.099	1	2.33	0.011	0.04	7.9	0.11	1.7	<0.1	<0.05	10	<0.5
SBL34E 5850N	Soil		5	73	0.66	173	0.145	1	2.03	0.015	0.09	3.9	0.09	2.6	0.3	0.10	14	<0.5
SBL34E 5800N	Soil		14	30	0.31	39	0.042	2	2.26	0.017	0.04	1.9	0.17	1.4	0.3	<0.05	6	0.8
SBL34E 5750N	Soil		3	9	0.06	21	0.058	1	0.66	0.009	0.02	5.0	0.05	0.6	<0.1	<0.05	6	<0.5
SBL34E 5700N	Soil		7	27	0.32	47	0.066	2	2.09	0.013	0.07	2.8	0.10	1.4	0.2	<0.05	7	0.5
SBL34E 5450N	Soil		5	29	0.37	31	0.042	2	2.79	0.012	0.06	5.4	0.13	1.0	0.2	0.08	6	0.8
SBL34E 5400N	Soil		5	17	0.19	40	0.070	1	2.77	0.009	0.03	7.6	0.12	1.3	0.2	<0.05	9	0.8
SBL34E 5350N	Soil		4	15	0.16	48	0.051	2	1.96	0.008	0.02	5.4	0.16	1.0	<0.1	<0.05	9	0.5
SBL34E 5300N	Soil		4	18	0.35	43	0.054	1	1.45	0.010	0.06	6.0	0.07	0.9	0.1	0.07	7	<0.5
SBL34E 5250N	Soil		4	16	0.20	36	0.059	1	1.44	0.008	0.04	5.0	0.09	0.8	0.1	0.07	8	<0.5
SBL34E 5200N	Soil		6	23	0.42	56	0.052	1	2.38	0.010	0.06	7.7	0.06	1.2	0.2	0.09	6	<0.5

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: S8
 Report Date: December 08, 2007

Page: 10 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
				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	2	0.01	0.001	
SBL34E 5150N	Soil			61.7	130.9	7.1	48	0.3	11.9	6.8	319	4.06	3.7	0.9	2.7	0.5	12	0.3	0.5	3.1	90	0.11	0.084
SBL34E 5100N	Soil			20.2	52.0	7.2	26	0.4	5.9	3.2	168	2.81	2.2	0.7	1.1	0.2	9	0.3	0.2	1.5	77	0.07	0.072
SBL34E 5050N	Soil			18.1	48.1	7.9	27	0.4	7.3	4.0	534	2.67	2.2	0.8	1.2	0.1	9	0.2	0.2	1.1	71	0.07	0.063
SBL34E 5000N	Soil			7.3	35.1	5.9	33	0.4	6.6	4.6	605	2.30	1.8	0.7	4.5	<0.1	9	0.2	0.2	0.6	60	0.08	0.099
SBL34E 4950N	Soil			4.2	27.8	6.5	20	0.2	3.1	2.2	87	1.46	1.1	0.6	1.5	<0.1	7	0.1	0.2	0.5	49	0.04	0.059
SBL34E 4900N	Soil			7.7	38.5	8.6	56	0.4	6.5	5.6	975	1.80	1.8	0.6	<0.5	<0.1	23	0.3	0.2	0.6	53	0.17	0.108
SBL34E 4850N	Soil			23.0	53.4	6.5	32	0.4	8.0	5.9	440	3.30	2.1	0.9	3.2	0.3	16	0.3	0.2	1.1	87	0.11	0.084
SBL34E 4800N	Soil			20.8	85.3	9.1	52	0.5	9.6	7.1	604	3.49	1.7	0.7	1.1	0.2	41	0.2	0.2	1.1	98	0.37	0.086
SBL34E 4750N	Soil			44.9	142.8	6.5	45	0.4	21.3	9.2	406	4.24	3.6	0.9	1.3	0.5	20	0.2	0.2	0.8	95	0.18	0.084
SBL34E 4700N	Soil			92.6	260.8	7.7	44	0.2	6.6	6.9	594	5.62	4.5	0.9	47.7	0.6	30	<0.1	0.4	1.0	122	0.35	0.105
SBL36E 6000N	Soil			3.8	65.7	23.3	94	0.6	19.3	25.2	809	2.35	3.1	1.6	11.9	<0.1	34	1.6	0.4	1.2	58	0.47	0.121
SBL36E 5950N	Soil			2.3	21.1	13.3	39	0.8	13.7	3.5	99	1.20	2.1	1.0	2.6	<0.1	25	0.4	0.2	2.4	37	0.25	0.119
SBL36E 5900N	Soil			3.4	39.2	14.9	48	0.5	12.3	13.1	380	1.69	3.8	1.0	3.9	<0.1	32	3.5	0.6	0.7	27	0.59	0.134
SBL36E 5850N	Soil			5.0	29.7	8.2	43	0.3	16.3	5.8	145	3.41	4.3	0.5	5.3	1.4	12	0.5	0.5	0.8	125	0.14	0.027
SBL36E 5800N	Soil			16.6	67.6	10.3	48	0.1	13.2	8.0	136	4.29	4.0	0.6	1.7	1.3	12	0.4	0.5	2.1	134	0.11	0.037
SBL36E 5750N	Soil			88.1	148.1	867.4	135	9.6	91.3	19.6	470	33.92	56.7	74.5	14.4	1.6	131	50.6	112.1	7.8	641	1.34	1.628
SBL36E 5700N	Soil			33.9	267.7	12.1	70	1.4	18.7	6.1	263	2.69	3.2	15.0	5.4	1.0	21	0.6	0.5	17.3	72	0.18	0.112
SBL36E 5600N	Soil			10.8	39.4	8.5	25	0.9	3.8	2.1	158	2.18	1.6	0.6	2.3	0.6	20	0.1	0.3	21.8	67	0.15	0.037
SBL36E 5550N	Soil			17.4	190.7	8.5	39	0.6	3.8	4.4	255	3.61	3.1	1.8	2.1	0.3	54	0.1	0.2	28.0	79	0.23	0.112
SBL36E 5500N	Soil			49.2	268.3	16.5	45	1.3	4.8	4.4	274	6.79	5.2	1.5	8.8	0.6	26	<0.1	0.5	63.3	109	0.15	0.126
SBL36E 5450N	Soil			16.3	40.2	12.0	24	0.7	8.2	3.3	124	3.11	1.9	1.1	2.9	0.5	9	0.3	0.3	8.5	69	0.07	0.040
SBL36E 5400N	Soil			7.1	25.9	11.7	25	0.3	9.3	3.0	281	1.59	2.2	0.5	2.5	0.2	10	<0.1	0.3	2.2	63	0.09	0.045
SBL36E 5350N	Soil			40.9	57.3	10.1	39	0.8	8.9	7.0	484	2.56	2.0	0.9	3.4	0.2	12	0.4	0.3	4.3	78	0.12	0.061
SBL36E 5300N	Soil			90.9	87.4	10.4	43	2.4	10.8	12.2	707	2.33	1.4	1.7	1.2	<0.1	24	0.9	0.3	2.1	57	0.26	0.120
SBL36E 5250N	Soil			44.9	60.5	9.9	39	0.9	7.3	5.8	383	2.69	2.3	0.9	0.8	0.1	15	0.6	0.2	1.4	76	0.16	0.064
SBL36E 5200N	Soil			1.6	2.6	0.4	2	<0.1	0.3	0.7	37	0.08	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	0.004
SBL36E 5150N	Soil			34.8	108.0	7.5	44	1.2	10.8	16.1	559	2.62	1.9	1.6	0.9	<0.1	13	0.7	0.2	1.4	59	0.15	0.104
SBL36E 5100N	Soil			49.3	79.9	9.0	45	0.5	9.6	7.1	489	3.40	1.9	1.1	0.8	0.3	12	0.3	0.2	2.0	92	0.13	0.063
SBL36E 5050N	Soil			102.2	119.0	7.8	42	0.6	12.9	16.2	755	3.38	1.9	1.4	6.8	0.1	13	0.6	0.3	1.5	86	0.14	0.097
SBL36E 5000N	Soil			77.6	78.6	10.7	45	0.9	8.8	9.6	737	3.04	1.5	0.9	0.8	0.2	9	0.3	0.2	1.5	91	0.09	0.076

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1086 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB

Report Date: December 08, 2007

Page: 10 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		MDL	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL34E 5150N	Soil		4	25	0.49	70	0.079	1	3.43	0.010	0.05	14.4	0.13	2.3	0.2	<0.05	9	1.0
SBL34E 5100N	Soil		3	16	0.23	39	0.061	<1	1.76	0.009	0.04	5.1	0.09	0.8	0.1	0.06	10	0.5
SBL34E 5050N	Soil		4	16	0.18	46	0.075	1	1.15	0.008	0.05	3.7	0.05	0.8	0.2	<0.05	10	<0.5
SBL34E 5000N	Soil		4	12	0.20	54	0.045	1	1.53	0.013	0.06	2.4	0.06	0.5	0.2	0.12	9	<0.5
SBL34E 4950N	Soil		4	9	0.11	43	0.050	<1	0.99	0.010	0.04	1.5	0.04	0.5	0.1	0.07	7	<0.5
SBL34E 4900N	Soil		3	9	0.21	127	0.030	1	1.20	0.010	0.08	3.5	0.06	0.5	0.2	0.15	6	<0.5
SBL34E 4850N	Soil		4	14	0.30	76	0.094	1	1.98	0.010	0.07	8.6	0.05	1.4	0.2	0.12	12	<0.5
SBL34E 4800N	Soil		3	12	0.37	157	0.085	2	1.50	0.011	0.10	10.2	0.05	1.6	0.2	0.12	10	<0.5
SBL34E 4750N	Soil		5	28	0.60	85	0.091	2	2.79	0.008	0.09	22.7	0.08	2.5	0.2	0.08	8	1.0
SBL34E 4700N	Soil		3	8	0.88	166	0.098	1	2.89	0.008	0.22	34.4	0.13	4.7	0.5	0.11	9	1.6
SBL36E 6000N	Soil		7	31	0.42	55	0.038	1	2.93	0.010	0.05	4.1	0.18	1.1	0.1	0.13	5	0.6
SBL36E 5950N	Soil		4	26	0.23	56	0.018	1	1.39	0.013	0.05	1.3	0.13	0.3	0.2	0.10	6	<0.5
SBL36E 5900N	Soil		5	19	0.20	43	0.028	59	1.65	0.054	0.04	3.3	0.17	0.7	0.1	0.24	3	0.8
SBL36E 5850N	Soil		6	44	0.33	46	0.157	<1	1.59	0.010	0.03	1.5	0.07	2.4	<0.1	<0.05	9	<0.5
SBL36E 5800N	Soil		5	40	0.30	45	0.158	1	2.88	0.012	0.03	3.0	0.11	2.7	<0.1	<0.05	11	0.6
SBL36E 5750N	Soil		268	198	0.84	352	0.553	707	>10	0.560	0.50	40.6	1.93	19.9	1.5	2.82	55	18.9
SBL36E 5700N	Soil		12	35	0.75	73	0.082	<1	4.32	0.015	0.05	34.1	0.14	4.0	<0.1	<0.05	8	2.0
SBL36E 5600N	Soil		2	9	0.34	41	0.094	<1	1.26	0.014	0.05	99.1	0.12	1.4	0.2	<0.05	8	<0.5
SBL36E 5550N	Soil		3	7	0.60	105	0.056	<1	2.22	0.020	0.15	>100	0.12	1.9	0.3	0.08	7	1.6
SBL36E 5500N	Soil		4	9	0.62	87	0.088	<1	2.34	0.013	0.13	>100	0.23	2.9	0.3	0.14	10	3.8
SBL36E 5450N	Soil		6	21	0.22	32	0.100	1	1.95	0.009	0.03	16.3	0.07	1.6	<0.1	<0.05	10	0.5
SBL36E 5400N	Soil		5	25	0.22	41	0.100	2	1.14	0.010	0.03	3.0	0.11	0.9	0.1	<0.05	8	<0.5
SBL36E 5350N	Soil		5	19	0.29	41	0.075	<1	1.41	0.011	0.05	11.4	0.07	1.1	0.2	<0.05	9	0.7
SBL36E 5300N	Soil		6	17	0.36	36	0.029	1	1.79	0.014	0.07	8.8	0.08	0.7	0.3	0.12	7	1.5
SBL36E 5250N	Soil		4	13	0.24	45	0.081	<1	1.42	0.010	0.06	6.6	0.07	1.0	0.1	<0.05	9	0.5
SBL36E 5200N	Soil		<1	<1	0.01	1	<0.001	<1	0.07	<0.001	<0.01	0.2	<0.01	<0.1	<0.1	<0.05	<1	<0.5
SBL36E 5150N	Soil		6	15	0.40	37	0.033	<1	2.33	0.013	0.08	7.8	0.07	0.7	0.2	0.08	7	1.5
SBL36E 5100N	Soil		4	16	0.36	50	0.080	<1	1.75	0.009	0.08	11.7	0.07	1.3	0.1	<0.05	10	<0.5
SBL36E 5050N	Soil		7	18	0.43	45	0.057	<1	2.26	0.011	0.07	15.8	0.10	1.5	0.2	0.06	9	0.8
SBL36E 5000N	Soil		5	13	0.32	59	0.081	16	1.95	0.015	0.06	11.8	0.06	1.4	0.2	<0.05	11	<0.5

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on the certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: December 08, 2007

Page 11 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Br	Cd	Sb	Bi	V	Ca	P
				ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%		
				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	2	0.01	0.001	
SBL36E 4950N	Soil			78.2	128.3	9.5	50	0.7	32.6	9.2	1233	4.19	2.0	0.9	0.9	0.3	11	0.3	0.2	2.2	116	0.10	0.083
SBL36E 4900N	Soil			121.5	110.3	9.4	55	0.8	14.3	5.5	494	4.48	2.2	0.9	2.4	0.7	17	0.3	0.2	1.4	144	0.20	0.047
SBL36E 4850N	Soil			137.1	144.6	8.7	41	0.3	14.1	7.1	285	4.75	3.1	0.9	3.4	1.0	19	0.2	0.3	1.8	132	0.15	0.059
SBL36E 4800N	Soil			179.6	153.3	8.1	47	0.5	5.8	6.4	456	6.12	2.3	0.9	1.6	1.2	22	<0.1	0.2	1.3	187	0.20	0.048
SBL36E 4750N	Soil			185.9	231.8	7.2	52	0.6	6.6	9.3	695	5.55	1.8	1.0	2.3	1.2	44	0.3	0.1	1.2	161	0.38	0.075
SBL36E 4700N	Soil			81.6	67.5	11.5	46	0.3	5.7	6.3	573	3.62	1.7	0.6	0.7	0.4	30	0.3	0.2	0.9	132	0.42	0.074
SBL46E 6600N	Soil			3.7	50.9	10.1	70	0.7	19.6	9.2	495	3.73	4.1	0.8	1.5	0.3	38	0.5	0.4	0.7	130	0.41	0.052
SBL46E 6550N	Soil			3.1	72.0	7.1	82	0.4	28.0	10.8	304	3.52	4.4	0.9	7.6	1.5	27	0.6	0.3	0.8	102	0.34	0.108
SBL46E 6500N	Soil			5.5	50.2	7.7	52	0.8	30.3	10.7	335	4.67	6.4	0.6	2.1	0.6	15	0.4	0.5	0.4	170	0.20	0.081
SBL46E 6450N	Soil			4.5	82.3	7.0	46	0.8	14.0	12.9	654	5.34	3.5	0.6	2.7	0.2	17	0.6	0.3	0.3	225	0.19	0.081
SBL46E 6400N	Soil			8.3	41.6	7.3	49	0.3	18.8	9.8	458	4.24	4.3	0.6	1.4	0.3	26	0.4	0.4	0.4	146	0.26	0.076
SBL46E 6350N	Soil			7.1	51.4	6.2	63	0.5	22.6	10.4	373	3.61	4.1	0.6	1.0	0.3	21	0.4	0.4	0.5	110	0.26	0.072
SBL46E 6250N	Soil			7.5	38.4	7.0	54	0.5	15.7	7.6	385	3.98	3.4	0.6	2.7	0.3	13	0.4	0.4	0.5	132	0.15	0.064
SBL46E 6200N	Soil			4.8	39.0	5.8	60	0.4	19.6	7.4	237	3.48	3.6	0.5	1.8	0.6	17	0.3	0.3	0.3	110	0.20	0.060
SBL46E 6150N	Soil			3.2	48.9	5.6	51	0.5	14.7	10.6	504	5.07	4.6	0.6	1.6	0.4	14	0.3	0.4	0.2	200	0.20	0.115
SBL46E 6100N	Soil			7.7	40.9	6.6	47	0.2	17.7	7.4	185	3.90	3.7	0.5	1.6	0.5	13	0.3	0.3	0.4	141	0.15	0.039
SBL46E 6050N	Soil			17.7	62.5	9.8	49	0.3	25.0	10.3	293	4.38	5.0	0.9	3.5	0.5	17	0.9	0.4	0.9	142	0.21	0.052
SBL48E 7200N	Soil			5.8	45.2	8.2	34	0.6	17.3	7.8	286	3.39	3.4	0.8	1.1	0.3	19	0.9	0.3	0.5	94	0.17	0.059
SBL48E 7150N	Soil			4.5	78.0	8.7	79	0.6	35.4	18.5	483	4.09	5.9	0.8	3.8	0.7	22	0.5	0.3	0.7	133	0.23	0.056
SBL48E 7100N	Soil			4.5	54.4	12.4	38	0.6	25.1	7.5	227	1.98	3.0	0.6	0.8	0.3	25	0.4	0.2	0.5	85	0.23	0.043
SBL48E 7050N	Soil			1.8	54.5	5.9	54	<0.1	80.1	23.0	379	3.49	8.0	0.6	3.9	1.7	23	0.2	0.6	<0.1	106	0.36	0.051
SBL48E 7000N	Soil			5.2	55.8	7.9	54	0.4	34.7	10.3	344	3.44	6.3	0.7	3.8	0.4	23	0.6	0.5	0.4	92	0.26	0.047
SBL48E 6950N	Soil			4.3	85.2	6.5	66	<0.1	66.3	19.6	527	3.62	8.4	0.7	3.4	2.4	32	0.1	0.6	0.5	113	0.42	0.108
SBL48E 6900N	Soil			4.1	59.4	5.1	63	0.5	27.0	9.3	246	4.25	4.3	0.7	3.7	0.5	23	0.4	0.4	0.5	138	0.23	0.056
SBL48E 6850N	Soil			4.0	54.4	8.4	82	0.6	31.2	13.5	524	5.20	9.6	0.8	11.3	0.4	23	0.8	0.6	0.5	137	0.29	0.086
SBL48E 6800N	Soil			6.5	43.5	6.7	64	1.5	14.8	7.9	418	3.98	3.6	0.7	2.3	0.3	19	0.7	0.3	0.8	113	0.23	0.082
SBL48E 6750N	Soil			7.3	95.3	6.7	87	0.6	23.7	11.9	438	4.03	4.1	1.0	4.9	0.7	46	0.5	0.4	1.5	106	0.39	0.065
SBL48E 6700N	Soil			6.9	164.5	9.2	41	1.2	20.9	7.2	167	2.79	3.4	2.0	3.7	0.7	32	1.6	0.3	1.0	75	0.29	0.040
SBL48E 6650N	Soil			3.2	69.5	8.8	50	1.2	26.5	11.5	265	1.91	2.8	1.1	4.6	<0.1	50	0.8	0.4	0.7	78	0.48	0.107
SBL48E 6600N	Soil			4.2	49.1	7.3	67	0.4	35.8	11.2	290	4.22	7.6	0.6	1.7	0.8	24	0.7	0.6	0.3	127	0.29	0.071

The report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

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

Project: SB
Report Date: December 08, 2007

Page: 11 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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	
MDL			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL36E 4950N	Soil		4	42	0.64	94	0.092	1	2.60	0.010	0.06	17.7	0.10	2.1	0.2	0.05	12	0.7
SBL36E 4900N	Soil		3	23	0.53	81	0.173	<1	1.95	0.010	0.06	25.8	0.08	2.9	0.2	<0.05	13	0.7
SBL36E 4850N	Soil		4	23	0.60	79	0.153	<1	3.14	0.008	0.08	29.0	0.10	3.6	0.2	<0.05	11	0.8
SBL36E 4800N	Soil		3	8	1.18	126	0.278	1	2.96	0.011	0.18	30.7	0.08	7.8	0.4	<0.05	16	0.7
SBL36E 4750N	Soil		4	8	1.16	163	0.222	2	3.65	0.012	0.23	26.5	0.13	8.5	0.5	<0.05	13	1.3
SBL36E 4700N	Soil		3	8	0.59	140	0.152	3	1.28	0.011	0.18	18.1	0.12	3.2	0.3	0.08	11	<0.5
SBL46E 6600N	Soil		5	36	0.42	64	0.109	1	1.94	0.013	0.07	0.8	0.06	1.9	<0.1	<0.05	11	<0.5
SBL46E 6550N	Soil		6	32	0.58	106	0.126	1	2.44	0.012	0.09	1.9	0.09	2.3	0.1	<0.05	7	<0.5
SBL46E 6500N	Soil		5	55	0.58	70	0.115	1	2.17	0.013	0.04	1.8	0.09	2.4	<0.1	<0.05	10	<0.5
SBL46E 6450N	Soil		4	25	0.28	85	0.077	1	2.71	0.012	0.04	0.9	0.12	1.6	<0.1	<0.05	9	0.7
SBL46E 6400N	Soil		5	38	0.46	66	0.088	1	1.70	0.013	0.05	1.7	0.05	1.6	<0.1	<0.05	8	<0.5
SBL46E 6350N	Soil		6	38	0.47	87	0.078	1	1.80	0.012	0.05	1.3	0.05	1.7	<0.1	<0.05	8	<0.5
SBL46E 6250N	Soil		5	37	0.36	56	0.089	<1	1.94	0.011	0.04	2.1	0.08	1.7	<0.1	<0.05	9	<0.5
SBL46E 6200N	Soil		5	37	0.40	69	0.106	<1	2.76	0.011	0.04	1.4	0.09	2.1	<0.1	<0.05	8	<0.5
SBL46E 6150N	Soil		4	30	0.42	82	0.085	1	2.21	0.013	0.04	0.6	0.10	1.7	<0.1	<0.05	7	<0.5
SBL46E 6100N	Soil		4	31	0.37	66	0.115	1	2.12	0.010	0.03	1.0	0.07	1.8	<0.1	<0.05	8	<0.5
SBL46E 6050N	Soil		6	38	0.49	83	0.118	<1	3.09	0.010	0.05	1.4	0.09	2.5	<0.1	<0.05	12	0.8
SBL48E 7200N	Soil		6	30	0.30	81	0.087	<1	1.86	0.012	0.04	1.6	0.11	1.6	<0.1	<0.05	9	<0.5
SBL48E 7150N	Soil		7	52	0.68	85	0.120	<1	2.80	0.014	0.06	1.4	0.07	2.8	<0.1	<0.05	9	0.5
SBL48E 7100N	Soil		6	42	0.42	68	0.118	<1	1.37	0.015	0.04	0.5	0.04	1.8	<0.1	<0.05	8	<0.5
SBL48E 7050N	Soil		8	89	1.28	70	0.163	2	2.24	0.019	0.09	0.3	0.03	3.2	<0.1	<0.05	6	<0.5
SBL48E 7000N	Soil		7	60	0.64	57	0.104	2	1.80	0.016	0.05	0.9	0.05	2.2	<0.1	<0.05	9	<0.5
SBL48E 6950N	Soil		10	71	1.19	128	0.142	1	2.58	0.018	0.14	2.7	0.02	3.8	<0.1	<0.05	6	0.6
SBL48E 6900N	Soil		4	36	0.54	89	0.091	<1	2.23	0.013	0.07	0.9	0.09	1.8	<0.1	<0.05	8	<0.5
SBL48E 6850N	Soil		6	55	0.69	84	0.107	3	2.40	0.019	0.07	0.9	0.11	2.1	<0.1	<0.05	11	0.5
SBL48E 6800N	Soil		5	28	0.36	73	0.075	3	2.84	0.012	0.05	2.1	0.12	1.5	<0.1	<0.05	10	0.7
SBL48E 6750N	Soil		7	32	0.73	97	0.105	1	2.63	0.019	0.09	3.0	0.04	2.6	<0.1	<0.05	9	<0.5
SBL48E 6700N	Soil		9	32	0.34	72	0.114	1	2.66	0.015	0.07	3.9	0.09	2.4	0.1	<0.05	9	0.9
SBL48E 6650N	Soil		10	32	0.44	104	0.037	3	2.47	0.020	0.08	1.8	0.15	1.2	0.1	0.11	7	0.6
SBL48E 6600N	Soil		6	59	0.65	85	0.126	1	2.17	0.016	0.05	1.0	0.07	2.6	<0.1	<0.05	9	0.6

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St
Vancouver BC V6E 3X2 Canada

Project: SB

Report Date: December 08, 2007

Page: 12 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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	2	0.01	0.001	
SBL48E 6550N	Soil		6.2	61.6	7.4	67	0.8	25.5	10.2	321	4.72	5.5	1.0	4.5	0.8	23	0.6	0.5	1.9	112	0.29	0.109
SBL48E 6500N	Soil		4.9	33.0	7.8	43	0.4	15.0	6.7	440	2.55	3.0	0.6	2.6	0.2	13	0.3	0.3	0.5	90	0.15	0.073
SBL48E 6450N	Soil		8.8	59.3	8.9	56	1.3	23.7	10.2	362	3.98	4.6	0.7	2.6	0.3	21	0.6	0.5	1.0	122	0.21	0.078
SBL48E 6400N	Soil		4.5	76.8	5.8	73	0.2	25.7	15.1	460	4.04	4.7	0.7	4.1	0.9	30	0.2	0.4	1.0	137	0.32	0.112
SBL48E 6350N	Soil		8.1	52.0	6.5	71	0.5	20.5	8.2	275	3.92	3.8	0.7	4.0	0.6	24	0.6	0.4	0.6	114	0.31	0.072
SBL48E 6300N	Soil		8.0	94.5	7.2	67	1.2	26.1	11.0	573	3.68	4.8	0.9	2.2	0.2	44	1.0	0.4	0.6	122	0.41	0.079
SBL48E 6250N	Soil		10.8	67.3	7.8	60	0.9	22.4	11.5	730	3.72	4.2	1.0	1.0	0.1	32	0.6	0.3	0.5	140	0.26	0.087
SBL48E 6200N	Soil		7.3	49.2	7.0	34	0.5	13.8	8.0	214	3.34	3.0	0.6	2.4	0.3	30	0.4	0.3	0.5	128	0.28	0.046
SBL48E 6150N	Soil		64.1	77.1	7.5	63	1.0	26.4	9.6	293	3.54	4.4	1.7	2.7	0.1	28	1.1	0.4	1.1	112	0.41	0.136
SBL48E 6100N	Soil		10.9	57.7	5.9	42	0.6	21.0	9.0	253	3.97	4.0	0.8	2.2	0.2	25	0.6	0.4	0.3	118	0.20	0.059
SBL48E 6050N	Soil		7.7	47.6	6.2	53	0.4	21.4	9.1	255	3.73	3.7	0.6	17.5	0.3	17	0.3	0.4	0.6	126	0.22	0.079
SBL50E 7200N	Soil		3.4	81.7	7.9	84	0.7	34.3	17.0	784	3.64	4.4	0.8	3.3	0.3	53	0.5	0.4	0.5	131	0.58	0.105
SBL50E 7150N	Soil		3.7	76.9	8.1	155	0.8	32.7	15.9	760	3.24	4.1	0.9	2.3	0.2	56	0.9	0.4	0.5	122	0.63	0.111
SBL50E 7100N	Soil		8.7	108.9	11.5	63	0.5	38.1	15.4	1087	3.62	5.1	1.5	1.3	0.1	50	0.7	0.3	1.0	160	0.50	0.131
SBL50E 7050N	Soil		7.5	20.7	13.4	33	0.2	9.3	3.5	148	1.83	3.0	0.3	3.0	0.5	18	0.2	0.5	0.6	101	0.20	0.028
SBL50E 7000N	Soil		3.9	143.8	4.8	58	0.7	16.1	13.0	278	3.00	3.1	0.4	2.9	0.1	61	0.4	0.3	0.5	103	0.44	0.088
SBL50E 6950N	Soil		3.9	120.9	4.9	85	0.9	19.9	14.2	454	4.54	3.5	0.6	2.4	0.2	45	0.8	0.3	0.3	171	0.34	0.129
SBL50E 6900N	Soil		3.8	115.6	4.5	83	0.9	21.6	14.0	405	4.44	3.4	0.7	2.6	0.2	52	0.9	0.2	0.4	151	0.39	0.143
SBL50E 6850N	Soil		5.5	102.0	7.6	102	0.4	49.8	22.2	619	4.62	6.4	1.0	3.1	1.6	32	0.5	0.7	1.1	136	0.35	0.068
SBL50E 6800N	Soil		6.6	105.5	7.8	107	0.4	50.2	24.8	669	4.79	7.2	0.9	3.2	1.2	33	0.5	0.5	1.2	137	0.36	0.069
SBL50E 6750N	Soil		7.3	82.7	6.3	78	0.3	41.9	18.5	464	4.23	6.2	0.8	7.4	1.4	37	0.4	0.5	1.1	139	0.42	0.074
SBL50E 6700N	Soil		9.7	92.2	7.8	81	0.3	37.0	15.5	384	4.72	6.4	0.9	6.1	0.9	36	0.5	0.4	1.1	136	0.38	0.070
SBL50E 6650N	Soil		8.0	28.2	9.6	53	0.4	10.4	6.2	380	4.14	3.2	0.6	3.1	0.4	13	0.3	0.4	1.0	141	0.14	0.055
SBL50E 6600N	Soil		3.8	37.0	6.8	39	0.5	12.5	8.0	240	4.02	3.5	0.5	3.1	0.7	14	0.2	0.3	0.6	150	0.18	0.071
SBL50E 6550N	Soil		6.2	35.8	7.5	35	0.2	15.6	6.7	193	3.59	4.1	0.5	2.9	1.0	13	0.3	0.4	0.8	116	0.19	0.099
SBL50E 6500N	Soil		6.6	34.1	7.6	33	0.2	14.3	8.5	185	3.83	4.2	0.4	1.2	0.8	13	0.4	0.4	0.7	121	0.16	0.089
SBL50E 6450N	Soil		7.1	45.6	7.6	51	0.6	20.2	8.5	344	2.98	3.5	0.6	1.3	0.3	14	0.3	0.3	0.7	104	0.18	0.063
SBL50E 6400N	Soil		5.9	28.1	6.7	41	0.7	14.0	5.5	272	2.52	2.7	0.6	2.2	0.2	14	0.3	0.3	0.6	74	0.15	0.089
SBL50E 6350N	Soil		7.1	54.4	6.6	67	0.4	23.4	10.2	599	3.66	4.5	0.7	2.1	0.3	16	0.4	0.4	0.7	112	0.21	0.157
SBL50E 6300N	Soil		6.3	29.7	8.3	52	0.5	17.4	7.5	296	3.73	4.3	0.6	0.8	0.4	17	0.6	0.3	0.9	102	0.21	0.148

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: December 08, 2007

Page: 12 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL48E 6550N	Soil		9	32	0.61	112	0.132	3	4.01	0.017	0.08	3.7	0.15	3.2	0.1	<0.05	11	0.8
SBL48E 6500N	Soil		5	30	0.37	54	0.078	1	1.51	0.014	0.05	1.4	0.05	1.3	<0.1	<0.05	9	<0.5
SBL48E 6450N	Soil		7	36	0.44	88	0.084	2	2.18	0.012	0.06	2.0	0.08	1.8	<0.1	<0.05	10	0.6
SBL48E 6400N	Soil		8	33	0.63	107	0.100	1	3.30	0.014	0.10	2.8	0.06	2.5	0.1	<0.05	8	<0.5
SBL48E 6350N	Soil		7	40	0.50	68	0.108	2	2.41	0.013	0.05	2.6	0.08	2.2	<0.1	<0.05	9	<0.5
SBL48E 6300N	Soil		8	35	0.49	96	0.076	2	1.98	0.015	0.06	1.6	0.05	2.0	<0.1	<0.05	9	<0.5
SBL48E 6250N	Soil		6	33	0.43	71	0.058	2	2.18	0.014	0.05	1.6	0.07	1.4	<0.1	<0.05	9	<0.5
SBL48E 6200N	Soil		6	24	0.29	70	0.087	<1	1.38	0.012	0.04	1.4	0.05	1.7	<0.1	<0.05	8	<0.5
SBL48E 6150N	Soil		11	42	0.52	55	0.041	1	2.67	0.013	0.05	3.8	0.18	1.4	0.2	0.11	6	1.0
SBL48E 6100N	Soil		7	32	0.38	96	0.079	2	2.34	0.014	0.05	1.4	0.07	1.7	<0.1	<0.05	9	<0.5
SBL48E 6050N	Soil		5	39	0.50	58	0.086	2	2.17	0.012	0.05	1.7	0.07	1.8	<0.1	<0.05	8	<0.5
SBL50E 7200N	Soil		9	45	0.75	108	0.078	3	2.63	0.019	0.08	1.4	0.08	3.0	<0.1	<0.05	8	<0.5
SBL50E 7150N	Soil		11	44	0.74	103	0.067	2	2.69	0.019	0.08	1.4	0.09	2.6	<0.1	0.05	8	0.5
SBL50E 7100N	Soil		10	41	0.46	111	0.029	2	2.61	0.019	0.06	1.3	0.09	1.4	<0.1	<0.05	8	<0.5
SBL50E 7050N	Soil		5	30	0.21	58	0.142	3	0.73	0.011	0.04	2.5	0.07	1.6	<0.1	<0.05	8	<0.5
SBL50E 7000N	Soil		4	19	0.52	159	0.058	2	5.29	0.051	0.04	1.5	0.07	1.6	<0.1	<0.05	9	<0.5
SBL50E 6950N	Soil		6	25	0.56	210	0.064	2	4.83	0.016	0.08	0.7	0.11	2.5	<0.1	<0.05	10	0.9
SBL50E 6900N	Soil		6	26	0.54	228	0.058	1	4.92	0.016	0.08	0.7	0.13	2.4	<0.1	<0.05	9	0.6
SBL50E 6850N	Soil		8	59	1.02	79	0.146	<1	3.04	0.018	0.12	1.8	0.06	3.6	<0.1	<0.05	9	<0.5
SBL50E 6800N	Soil		8	60	1.01	92	0.146	2	3.29	0.018	0.12	2.2	0.06	3.7	<0.1	<0.05	9	0.7
SBL50E 6750N	Soil		8	50	0.91	92	0.150	2	2.32	0.019	0.13	2.9	0.03	3.3	<0.1	<0.05	8	0.5
SBL50E 6700N	Soil		7	50	0.82	88	0.139	2	2.48	0.016	0.08	3.1	0.08	3.0	<0.1	<0.05	10	<0.5
SBL50E 6650N	Soil		4	25	0.27	69	0.115	2	1.22	0.013	0.05	1.5	0.04	1.5	<0.1	<0.05	11	<0.5
SBL50E 6600N	Soil		4	21	0.33	53	0.100	<1	2.07	0.013	0.04	1.6	0.07	1.7	<0.1	<0.05	10	<0.5
SBL50E 6550N	Soil		4	25	0.35	57	0.112	<1	1.54	0.011	0.05	2.1	0.08	1.9	<0.1	<0.05	8	<0.5
SBL50E 6500N	Soil		3	25	0.30	53	0.119	<1	1.42	0.010	0.05	2.1	0.09	1.7	<0.1	<0.05	9	<0.5
SBL50E 6450N	Soil		5	34	0.42	49	0.071	1	1.73	0.012	0.07	1.9	0.02	1.4	<0.1	<0.05	8	<0.5
SBL50E 6400N	Soil		4	27	0.35	55	0.068	1	1.37	0.012	0.04	1.7	0.08	0.9	<0.1	0.06	/	<0.5
SBL50E 6350N	Soil		5	39	0.58	92	0.071	2	1.97	0.013	0.05	2.0	0.09	1.5	<0.1	0.06	7	<0.5
SBL50E 6300N	Soil		4	35	0.48	68	0.082	2	1.44	0.012	0.05	1.9	0.07	1.3	<0.1	0.08	9	<0.5

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



ACME ANALYTICAL LABORATORIES LTD.
852 E. Hastings St. Vancouver BC V6A 1R6 Canada
Phone (804) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
Vancouver BC V6E 3X2 Canada

Project: SB
Report Date: December 08, 2007

Page: 13 of 13 Part: 1

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Bb	Bl	V	Ca	P
			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	2	0.01	0.001	
SBL50E 62S0N	Soil		16.2	91.5	9.3	53	1.0	31.3	10.3	260	2.77	2.6	1.3	2.2	0.2	35	0.6	0.3	1.6	74	0.28	0.068
SBL50E 6200N	Soil		27.4	28.2	7.0	27	0.1	14.4	10.6	672	3.48	2.5	0.7	1.6	0.3	20	0.2	0.2	0.6	81	0.16	0.046
SBL50E 6150N	Soil		10.9	30.1	9.8	14	0.4	10.3	3.3	74	0.99	1.3	0.7	1.9	0.2	33	0.9	0.3	0.8	37	0.29	0.031
SBL50E 6100N	Soil		5.6	28.4	7.1	42	1.4	10.8	4.3	267	1.96	2.1	0.5	1.2	0.1	13	0.3	0.3	0.6	71	0.13	0.052
SBL50E 6050N	Soil		31.0	89.7	9.3	52	1.3	24.1	9.2	382	3.10	3.7	1.4	2.2	0.2	32	0.3	0.4	1.4	100	0.26	0.072
L38E 53N	Soil		30.2	62.2	8.1	43	1.1	12.6	6.1	297	2.57	3.0	1.0	8.6	0.3	13	0.6	0.4	1.3	58	0.12	0.062
L38E 52+50N	Soil		42.7	161.1	6.3	57	0.9	7.4	9.4	464	3.02	2.7	1.9	2.5	0.3	28	0.9	0.3	1.8	64	0.20	0.088
L38E 52N	Soil		32.6	120.8	5.5	67	0.5	6.9	7.6	620	3.88	2.7	1.0	2.6	0.3	13	0.6	0.2	1.7	82	0.11	0.079
L38E 51+50N	Soil		37.4	63.7	6.1	34	0.6	8.7	4.9	230	3.17	2.7	0.7	2.9	0.3	10	0.4	0.4	2.1	66	0.08	0.065
L38E 51N	Soil		28.0	58.3	7.3	36	0.5	10.1	5.3	217	3.59	2.7	0.9	1.5	0.2	14	0.3	0.3	1.8	80	0.12	0.063
L38E 50+50N	Soil		33.9	78.8	8.3	45	0.5	6.3	5.1	331	3.35	1.9	1.0	2.0	0.3	20	0.5	0.2	0.9	81	0.16	0.071
L38E 50N	Soil		105.8	174.0	6.4	60	0.9	15.3	9.8	395	3.94	3.4	1.3	3.8	0.8	25	0.4	0.3	2.2	87	0.16	0.089
L38E 49+50N	Soil		119.6	148.0	6.2	31	0.8	6.7	5.3	228	4.20	2.9	1.3	2.3	0.5	15	0.5	0.2	2.9	86	0.10	0.068
L38E 49N	Soil		257.5	267.8	7.8	60	0.7	6.5	10.2	473	5.42	2.2	1.3	3.5	1.0	36	0.3	0.2	10.9	141	0.18	0.061
L38E 48+50N	Soil		103.0	144.6	12.0	66	0.6	9.2	10.6	591	4.59	3.0	1.2	6.6	0.5	39	0.3	0.4	2.4	108	0.29	0.080
L38E 48N	Soil		138.3	99.1	9.1	67	0.6	17.3	6.8	617	4.49	1.9	1.0	2.0	0.4	25	0.4	0.2	2.5	125	0.17	0.083
L40E 51+50N	Soil		59.7	92.7	9.9	44	0.3	7.4	7.1	809	3.70	2.1	0.8	1.7	0.3	20	0.3	0.2	4.3	95	0.13	0.067
L40E 51N	Soil		61.1	265.1	8.5	51	2.1	17.6	12.5	416	4.21	3.5	4.9	3.7	1.0	40	0.2	0.3	5.6	103	0.37	0.070
L40E 50+50N	Soil		77.5	199.0	18.5	47	0.6	15.7	12.4	389	4.19	4.5	1.3	2.2	1.3	34	0.3	0.3	4.3	86	0.21	0.087
L40E 50N	Soil		146.5	282.9	20.0	90	0.8	10.8	18.4	966	4.91	3.9	4.8	1.8	0.5	29	0.6	0.3	7.3	101	0.44	0.083
L40E 49+50N	Soil		75.8	131.8	11.2	60	0.4	19.3	11.8	340	3.65	3.3	1.4	1.7	1.0	32	0.5	0.3	4.0	99	0.43	0.051
L40E 49N	Soil		176.5	174.5	8.7	62	0.1	20.3	11.6	438	4.34	3.1	1.8	3.5	4.1	50	<0.1	0.5	3.5	110	0.44	0.058
L40E 48+50N	Soil		70.1	146.5	6.8	69	0.6	32.0	12.7	363	3.87	3.9	1.9	2.6	0.9	22	0.2	0.5	2.1	114	0.34	0.052
L42E 58NA	Soil		143.4	152.3	9.3	122	1.1	73.6	26.4	902	6.10	11.0	1.2	9.9	0.7	52	0.5	0.6	8.8	134	0.52	0.094
L42E 58NB	Soil		343.7	166.8	15.0	97	1.0	13.7	27.5	1007	10.12	12.1	1.0	8.8	0.7	170	0.5	0.6	14.4	170	0.65	0.102
L42E 57+50NA	Soil		196.2	89.2	8.7	62	0.3	11.8	9.1	432	4.18	3.5	1.1	1.0	0.2	42	0.5	0.3	3.9	114	0.52	0.064
L42E 57+50NB	Soil		173.0	73.9	8.7	61	0.3	11.1	13.8	524	3.75	2.8	1.2	1.3	0.3	41	0.5	0.2	3.3	97	0.52	0.060
L44E 56+50NA	Soil		203.6	78.2	10.2	55	0.9	25.9	13.3	477	3.86	3.2	1.4	1.6	0.4	28	0.4	0.2	2.3	113	0.38	0.059
L44E 56+50NB	Soil		74.5	59.9	5.8	51	<0.1	27.4	13.1	350	3.28	3.6	0.7	2.0	2.0	31	0.1	0.3	1.6	114	0.43	0.102
L44E 51+50N	Soil		162.0	179.7	9.5	60	0.3	24.2	13.3	541	5.26	3.8	3.6	3.4	1.7	89	0.3	0.3	5.8	134	0.55	0.061

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: December 08, 2007

Page: 13 of 13 Part: 2

CERTIFICATE OF ANALYSIS

VAN07001536.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
MDL			ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
SBL50E 6250N	Soil		8	42	0.61	84	0.053	<1	2.77	0.016	0.09	2.2	0.08	1.7	<0.1	0.06	8	<0.5
SBL50E 6200N	Soil		4	25	0.34	58	0.063	1	1.38	0.012	0.04	1.3	0.06	1.2	<0.1	0.06	6	<0.5
SBL50E 6150N	Soil		6	22	0.16	44	0.071	<1	1.06	0.014	0.03	1.9	0.05	1.3	<0.1	0.09	6	<0.5
SBL50E 6100N	Soil		5	22	0.26	51	0.071	2	1.45	0.012	0.04	1.4	0.09	0.9	<0.1	<0.05	7	<0.5
SBL50E 6050N	Soil		7	36	0.58	64	0.075	<1	2.24	0.015	0.08	2.6	0.06	1.6	<0.1	0.06	8	<0.5
L38E 53N	Soil		4	24	0.37	45	0.053	1	2.09	0.008	0.05	5.6	0.07	1.2	0.2	0.07	7	0.6
L38E 52+50N	Soil		5	12	0.64	99	0.048	<1	3.28	0.012	0.12	8.4	0.09	2.2	0.3	0.07	10	1.7
L38E 52N	Soil		3	14	0.59	77	0.070	<1	2.82	0.008	0.11	13.6	0.11	2.3	0.2	0.08	11	0.9
L38E 51+50N	Soil		4	19	0.32	51	0.043	<1	2.56	0.006	0.04	12.4	0.10	1.4	<0.1	0.07	9	0.9
L38E 51N	Soil		4	25	0.33	47	0.085	2	2.82	0.010	0.04	11.4	0.11	1.3	<0.1	0.07	10	0.7
L38E 50+50N	Soil		4	12	0.37	59	0.118	<1	2.34	0.009	0.07	17.6	0.11	1.7	0.1	0.08	12	0.6
L38E 50N	Soil		6	23	0.66	116	0.105	1	4.10	0.011	0.12	21.5	0.10	3.3	0.2	<0.05	9	1.1
L38E 49+50N	Soil		5	12	0.48	64	0.101	<1	3.89	0.007	0.07	27.2	0.13	2.5	0.2	0.06	10	1.2
L38E 49N	Soil		3	8	0.98	148	0.200	<1	3.50	0.011	0.17	55.0	0.09	5.4	0.3	<0.05	13	0.7
L38E 48+50N	Soil		5	14	0.79	122	0.127	1	3.52	0.014	0.15	22.4	0.09	3.4	0.3	0.05	12	0.8
L38E 48N	Soil		4	28	0.71	130	0.152	<1	2.92	0.011	0.14	18.8	0.11	2.9	0.3	0.08	14	0.5
L40E 51+50N	Soil		3	13	0.46	126	0.090	1	2.15	0.012	0.07	15.3	0.10	1.9	0.2	0.06	10	<0.5
L40E 51N	Soil		14	28	0.72	70	0.103	2	3.12	0.019	0.10	20.1	0.06	5.1	0.2	<0.05	8	1.5
L40E 50+50N	Soil		5	25	0.70	141	0.075	<1	3.69	0.011	0.13	40.1	0.09	3.1	0.2	<0.05	7	1.1
L40E 50N	Soil		16	17	0.65	98	0.089	2	2.45	0.013	0.10	24.7	0.10	3.1	0.2	0.06	9	1.6
L40E 49+50N	Soil		6	31	0.69	89	0.119	2	2.75	0.020	0.08	12.6	0.06	2.6	0.2	<0.05	7	0.7
L40E 49N	Soil		8	31	0.90	143	0.175	2	2.22	0.024	0.25	23.3	<0.01	4.6	0.4	<0.05	7	0.7
L40E 48+50N	Soil		8	45	0.77	56	0.127	1	2.17	0.017	0.07	5.1	0.04	2.6	<0.1	<0.05	7	0.8
L42E 58NA	Soil		6	83	1.25	62	0.103	1	3.92	0.024	0.21	9.3	0.20	3.0	0.4	0.07	9	1.3
L42E 58NB	Soil		5	17	0.86	153	0.089	2	3.51	0.039	0.21	13.9	0.18	3.6	0.5	0.14	10	2.4
L42E 57+50NA	Soil		5	23	0.57	46	0.094	<1	2.42	0.023	0.07	3.5	0.08	1.8	0.1	0.06	10	0.6
L42E 57+50NB	Soil		5	23	0.57	46	0.070	<1	2.36	0.022	0.08	3.4	0.09	2.0	0.1	<0.05	10	1.0
L44E 56+50NA	Soil		8	37	0.62	74	0.087	2	2.93	0.016	0.08	3.3	0.07	2.5	<0.1	<0.05	8	0.8
L44E 56+50NB	Soil		9	41	0.72	81	0.143	1	1.92	0.018	0.14	4.1	0.01	3.0	0.1	<0.05	5	<0.5
L44E 51+50N	Soil		8	28	1.15	123	0.180	<1	3.56	0.024	0.26	65.4	0.05	6.5	0.4	<0.05	10	0.7

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval. preliminary reports are unsigned and should be used for reference only.



GEOCHEMICAL ANALYSIS CERTIFICATE



Happy Creek Minerals Ltd. PROJECT HEN File # A704826

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

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	Tl	B	Al	Na	K	W	Hg	Sc	Ti	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	2.3	2.8	46	<1	9.0	4.8	514	1.88	<5	2.1	7	3.8	51	<1	<1	1	38	.44	.074	7	104	.62	192	.115	2	.99	.069	49	1	<.01	2.2	4	<.05	5	<.5
HEN07 DS1	2.7	98.9	32.3	188	.3	54.1	26.7	1069	4.22	30.7	1.0	4.5	1.5	34	7	1.2	1	108	.55	.081	10	82	.99	152	.094	3	2.20	.012	13	1	.05	6.4	1	<.05	6	6
HEN07 BKS1	5	56.2	3.9	44	<1	43.1	19.1	464	4.99	9.8	7	3.1	2.0	51	2	8	1	134	.63	.093	8	156	1.02	75	133	3	1.30	.018	23	6	.02	3.1	1	<.05	5	7
HEN07 BKS2	7	76.6	5.2	50	3	55.6	20.2	525	4.62	10.3	.9	3.8	1.6	89	3	1.0	1	119	.73	.074	8	168	1.02	115	127	4	1.71	.019	24	3	.03	5.0	1	<.05	5	7
HEN07 BKS3	5	72.2	5.1	46	2	51.9	19.4	490	4.50	10.1	8	2.6	1.6	84	2	8	1	116	.67	.063	8	167	1.01	105	130	3	1.68	.019	23	3	.02	4.6	1	<.05	5	5
HEN07 BKS4	6	59.0	4.4	42	2	54.4	18.9	448	4.49	11.7	9	26.6	1.5	77	1	8	1	104	.76	.080	7	207	1.05	122	131	4	1.48	.018	26	5	.03	4.3	1	<.05	4	9
HEN07 BKS5	8	60.5	4.8	45	2	51.7	19.6	459	3.56	16.0	6	3.4	1.1	71	2	1.2	1	95	.61	.079	7	123	1.13	140	124	3	1.71	.018	26	2	.03	4.1	1	<.05	5	5
RE HEN07 BKS5	8	63.5	4.7	46	2	52.9	20.3	471	3.66	16.3	6	2.9	1.2	73	2	1.1	1	97	.63	.078	8	128	1.15	140	129	3	1.71	.019	26	3	.03	4.2	1	<.05	5	5
HEN07 BKS6	7	43.1	3.6	53	4	42.9	17.6	557	4.16	15.3	6	1885.9	1.6	46	2	1.0	1	117	.59	.095	8	129	.94	105	119	3	1.26	.024	22	1.0	.02	3.0	1	<.05	4	7
HEN07 BKS7	1.3	51.6	6.9	70	.3	35.5	16.9	1841	3.40	15.4	9	2.0	1.0	37	3	4	1	101	.65	.077	10	57	.75	190	.091	2	2.08	.024	10	2	.05	3.9	1	<.05	5	5
HEN07 BKS8	2.0	56.6	7.3	76	3	32.6	14.3	1015	2.64	11.7	1.1	2.0	3	48	3	3	1	74	.97	.101	9	49	.67	234	.069	4	2.36	.024	08	1	.07	2.9	1	.09	5	8
HEN07 BKS9	1.1	53.9	5.7	65	3	38.0	14.0	744	2.77	6.7	1.1	1.5	1.3	36	6	4	1	82	.65	.062	11	53	.69	160	.086	3	1.83	.017	11	4	.04	4.5	1	<.05	5	6
HEN07 BKS10	1.0	57.9	6.4	71	3	36.4	18.4	1195	2.90	9.8	1.0	1.8	1.4	40	5	4	1	88	.65	.075	11	53	.71	160	.092	2	1.97	.020	11	3	.04	4.8	1	<.05	5	5
HEN07 BKS11	1.0	65.5	5.7	55	1	34.4	17.7	702	3.53	8.3	8	2.6	1.8	37	2	5	1	132	.69	.111	11	48	.77	162	.098	2	1.88	.020	11	3	.03	4.5	1	<.05	5	5
HEN07 BKS12	9	50.9	4.0	53	1	24.7	14.4	950	2.94	5.2	7	1.7	1.1	35	3	4	1	115	.63	.127	10	33	.56	116	.075	3	1.49	.014	08	2	.03	3.6	1	<.05	4	<.5
HEN07 BKS13	9	42.0	4.2	51	2	26.0	12.3	575	2.65	5.0	8	1.6	1.8	31	2	3	1	100	.55	.094	9	35	.53	98	.072	2	1.66	.011	06	2	.03	3.2	1	<.05	5	<.5
HEN07 BKS14	9	60.8	5.5	58	3	29.3	17.3	1158	3.00	12.0	1.2	1.6	7	42	4	3	1	110	.60	.089	10	45	.64	133	.080	2	2.42	.017	.07	2	.05	4.9	1	<.05	6	<.5
HEN07 BKS15	2.1	50.4	5.2	47	<1	28.3	17.7	1014	3.54	11.2	8	6.3	2.1	39	2	5	1	133	.66	.121	10	45	.68	111	.107	2	1.56	.026	12	3	.02	4.3	1	<.05	5	<.5
HEN07 BKS16	7	58.6	6.1	64	2	38.2	14.1	464	2.96	8.1	7	1.8	1.8	39	3	4	1	101	.64	.085	11	56	.76	162	.105	2	1.80	.029	13	2	.03	4.2	1	<.05	5	5
HEN07 BKS17	5	48.7	4.7	57	2	96.0	22.4	604	3.29	11.5	6	2.5	1.0	36	2	7	1	110	.56	.066	8	101	1.30	94	.103	2	1.59	.027	09	1	.03	4.2	1	<.05	4	5
HEN07 BKS18	6	56.2	5.0	64	1	105.9	30.3	1353	3.43	16.1	5	3.6	1.3	41	2	9	1	106	.53	.078	8	88	1.34	115	.108	2	1.67	.028	11	3	.03	3.9	1	<.05	5	5
HEN07 BKS19	7	58.4	5.2	58	2	141.2	23.9	498	3.20	9.2	7	3.8	1.0	33	3	7	1	106	.53	.066	8	103	1.40	103	.105	3	1.76	.024	10	2	.03	4.4	1	<.05	5	5
HEN07 BKS20	6	34.0	3.5	48	<1	57.7	15.7	495	2.99	7.5	5	171.9	1.9	33	2	1.1	1	93	.47	.082	9	59	.95	123	.151	1	1.64	.027	.15	2	.02	3.8	1	<.05	5	5
HEN07 BKS21	1.2	41.8	4.7	64	2	52.9	17.4	615	3.45	10.6	7	28.8	1.7	36	3	8	1	125	.56	.077	9	79	.95	115	.128	2	1.65	.023	14	3	.02	3.8	1	<.05	5	<.5
HEN07 BKS22	8	48.8	5.6	84	1	52.1	18.3	648	3.54	10.2	7	2.1	9	45	4	7	1	158	.62	.093	8	85	.94	92	.102	2	1.62	.024	08	2	.04	3.2	1	<.05	4	5
HEN07 BKS23	1.0	23.7	3.3	41	<1	28.6	7.9	219	1.46	3.3	1.3	1.4	2.4	48	2	4	<1	57	.88	.076	7	56	.78	60	.109	4	1.09	.020	06	1.9	.03	2.7	1	.11	4	2.3
HEN07 BKS24	6	41.5	3.5	52	1	35.0	14.5	439	3.71	5.2	1.0	2.5	2.6	36	3	7	1	126	.65	.087	9	99	.79	62	.116	2	1.25	.019	12	9	.02	3.4	1	<.05	4	8
HEN07 BKS25	6	50.4	3.5	43	1	30.2	12.0	340	2.94	7.0	1.2	2.3	2.7	38	2	1.1	1	96	.76	.076	7	81	.69	57	.108	3	1.04	.021	12	6	.03	2.6	1	<.05	4	2.1
HEN07 BKS26	4	40.8	3.6	42	<1	38.1	15.3	341	4.93	8.5	7	36.0	3.3	38	2	1.0	2	148	.59	.090	8	160	.82	67	.121	2	1.03	.023	17	8	.02	2.6	1	<.05	4	7
HEN07 TRS1	2.2	64.1	5.9	92	1	49.1	22.4	877	4.45	19.9	8	2.9	1.6	44	7	1.2	1	130	.60	.102	8	113	1.45	119	.157	2	2.17	.011	17	3	.03	7.0	2	<.05	7	1.0
HEN07 TRS2	1.1	59.4	4.2	84	2	34.5	25.1	1080	4.34	12.2	6	3.6	9	50	9	.7	<1	111	.71	.104	6	67	1.10	65	.163	4	1.61	.009	17	2	.03	3.6	1	<.05	5	1.0
HEN07 TRS3	1.1	71.8	4.3	70	3	39.5	18.9	539	3.23	60.0	1.0	5.5	8	53	6	1.4	1	91	.74	.093	8	79	.96	80	.124	5	1.53	.009	14	2	.06	5.1	1	<.05	4	1.0
HEN07 TRS4	6	60.7	4.1	50	1	39.5	20.0	469	4.39	39.2	4	6.2	7	68	2	3.3	<1	104	.79	.093	5	124	1.16	74	.150	3	1.41	.010	23	1	.03	3.1	1	<.05	5	1.1
HEN07 TRS5	1.8	48.4	5.2	90	1	49.6	28.4	2583	4.52	39.5	6	3.7	1.2	58	7	1.4	1	109	.73	.114	7	103	1.18	148	.128	2	1.70	.020	20	3	.04	3.7	2	<.05	5	1.0
STANDARD DS7	20.0	112.9	69.8	416	.8	61.1	10.2	638	2.53	46.2	5.3	72.6	4.9	79	6.1	5.9	4.5	93	.95	.076	14	232	1.08	377	.125	43	1.04	.094	45	4.2	.20	2.7	4.3	21	5	3.6

GROUP 10



GEOCHEMICAL ANALYSIS CERTIFICATE

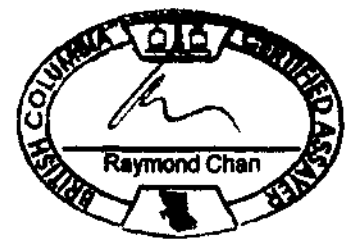


Happy Creek Minerals Ltd. PROJECT HEN File # A705825
2304 - 1066 W. Hastings S, Vancouver BC V6E 3X2 Submitted by: D. Ridley

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	ppm	ppm
G-1	8	2.3	2.8	44	< 1	7.8	4.2	507	1.73	< 5	2.2	9	4.3	58	< 1	< 1	1	34	.47	.072	7	95	55	215	109	1	.94	.092	50	1	< .01	3.2	4	< .05	5	< 5	
Hen07BKS27	9	49.4	5.8	67	2	51.4	17.5	991	2.97	24.1	8	3.3	1.4	49	6	1.1	1	79	72	.069	9	88	95	155	108	2	1.97	.027	.15	2	.03	4.3	1	< .05	5	7	
Hen07BKS28	5	53.8	4.8	52	2	44.8	13.1	360	2.23	13.8	5	9.6	9	40	4	1.1	1	62	71	.059	8	71	79	104	.087	2	1.50	.027	.12	2	.04	3.5	1	< .05	4	5	
Hen07BKS29	7	85.2	6.3	83	2	87.7	18.2	584	3.19	20.6	6	6.4	1.1	40	6	1.6	1	93	74	.077	8	98	1.16	131	.102	3	2.03	.029	.14	1	.04	5.2	1	< .05	5	9	
Hen07BKS30	6	68.6	5.4	61	2	73.6	19.0	544	2.77	17.3	5	3.7	1.3	36	5	1.2	1	75	76	.068	8	97	1.10	152	.103	2	1.87	.033	.17	1	.03	4.2	1	< .05	5	7	
Hen07BKS31	8	100.9	7.8	88	5	94.4	22.8	681	4.07	24.7	10	35.2	1.8	45	8	1.5	2	102	.82	.078	11	124	1.18	197	121	3	2.75	.032	.24	5	.03	6.7	2	< .05	8	8	
Hen07BKS32	5	94.3	5.3	58	2	137.1	21.4	531	3.40	18.3	6	3.4	1.3	38	3	1.4	1	95	74	.073	8	145	1.37	148	115	3	2.06	.035	.18	2	.03	5.0	1	< .05	6	5	
Hen07BKS33	7	57.5	6.2	60	2	48.8	17.8	560	3.51	20.1	7	3.4	1.4	37	6	1.7	1	122	67	.082	8	87	94	106	113	2	1.58	.029	.14	3	.02	4.3	1	< .05	5	6	
Hen07BKS34	7	41.6	4.6	44	2	41.1	15.0	889	2.63	16.3	6	1.9	9	36	4	8	1	92	61	.065	7	63	76	94	.090	2	1.37	.027	.08	3	.03	3.5	1	< .05	4	< 5	
Hen07BKS35	6	81.2	6.3	66	< 1	44.5	18.5	668	3.64	14.9	7	3.5	3.1	50	3	1.1	1	115	75	.111	11	66	95	158	126	2	1.83	.041	.26	3	.02	6.0	2	< .05	6	< 5	
Hen07BKS36	1	2	55.4	4.9	56	2	33.8	17.7	1188	3.40	10.8	8	3.1	1.5	48	3	5	1	113	72	.109	11	60	84	125	.095	2	1.76	.023	.12	2	.03	5.1	1	< .05	5	5
Hen07BKS37	1	3	48.1	4.2	44	1	25.5	15.1	975	3.78	4.4	6	1.8	1.4	45	3	4	1	146	67	.100	9	36	58	81	.099	2	1.44	.017	.08	2	.03	4.9	1	< .05	5	< 5
Hen07BKS38	1	0	51.4	5.8	55	1	29.0	19.4	871	4.08	9.9	8	1.9	1.3	40	4	4	1	145	59	.093	8	49	75	94	113	2	1.84	.020	.09	3	.02	4.2	1	< .05	6	< 5
Hen07BKS39	1	8	30.7	3.1	33	< 1	19.2	13.1	936	3.94	3.8	6	1	1.0	49	3	4	1	168	73	.109	8	33	49	61	.080	2	1.01	.015	.06	1	.03	3.2	< 1	< .05	4	< 5
Hen07BKS40	8	75.0	5.9	86	4	48.4	24.0	959	4.36	6.9	9	1038.8	1.3	57	6	1.2	1	144	1.06	.087	9	82	1.20	66	.193	5	2.76	.014	.08	2	.06	11.3	1	< .05	8	1.3	
Hen07BKS41	1	0	71.1	4.9	84	1	59.7	22.0	757	3.71	7.9	6	110.2	1.5	48	5	1.5	1	117	1.02	.093	8	89	1.21	58	.179	5	2.16	.016	.09	2	.03	8.6	1	< .05	7	7
Hen07BKS42	1	0	72.5	4.9	80	2	57.6	22.3	818	3.81	7.0	7	14.7	1.2	49	8	1.4	1	119	1.14	.106	8	83	1.34	54	.176	6	2.21	.015	.10	2	.04	7.4	1	< .05	7	1.2
Hen07BKS43	1	1	66.7	5.4	83	2	51.1	21.9	756	3.91	7.4	7	528.4	1.6	46	6	1.4	1	121	96	.091	8	75	1.15	68	.172	4	2.24	.015	.09	2	.03	7.7	1	< .05	7	6
Hen07BKS44	1	2	60.5	5.1	80	1	45.9	19.8	823	3.60	6.1	6	6.9	1.2	45	6	1.1	1	122	98	.085	8	71	1.08	70	.180	6	2.15	.013	.07	2	.03	7.2	1	< .05	7	7
RE Hen07BKS44	1	1	61.5	5.0	81	2	46.4	20.1	848	3.69	6.1	7	2.8	1.3	44	6	1.1	1	123	1.00	.086	8	71	1.11	70	.178	6	2.20	.015	.07	2	.03	7.5	1	< .05	7	6
Hen07BKS45	1	0	64.1	5.4	78	< 1	53.5	24.2	874	3.86	8.3	6	3.0	1.6	41	6	1.5	1	121	93	.097	8	80	1.25	58	.181	5	2.10	.016	.08	2	.01	7.6	1	< .05	7	5
STANDARD DS7	19.6	104.0	66.6	390	8	54.4	9.5	626	2.40	49.9	5.0	90.9	4.8	77	6.6	6.6	4.6	84	1.01	.079	15	217	1.04	380	123	40	1.05	.102	45	4.1	.18	2.8	4.2	18	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: SILT SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data PA _____ DATE RECEIVED: AUG 8 2007 DATE REPORT MAILED: SEP 10 2007





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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: Hen

Report Date: March 04, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN08003902.1

Method	Analyte	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16	1DX15	1DX16
		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	0.6	0.1	0.6	0.1	0.1	0.1	0.1	0.1	2	0.01	0.001
HEN07BKS 46	Silt	1.1	62.0	8.8	69	0.1	77.4	22.2	655	3.78	17.4	0.7	3.5	1.2	41	0.4	1.1	0.1	135	0.65	0.088
HEN07BKS 47	Silt	1.0	64.7	9.9	71	0.1	91.2	23.5	673	3.96	14.8	0.6	2.5	1.1	42	0.4	0.9	0.2	161	0.61	0.094
HEN07BKS 48	Silt	2.2	61.4	9.6	69	0.2	90.6	23.6	705	3.89	18.4	0.7	6.2	1.5	41	0.5	1.2	<0.1	134	0.66	0.082
HEN07BKS 49	Silt	0.9	65.7	10.3	69	0.1	92.0	24.2	704	3.71	18.2	0.6	2.8	1.3	40	0.4	1.3	0.1	126	0.65	0.078
HEN07BKS 50	Silt	2.7	66.9	8.9	73	0.1	120.7	27.3	803	3.99	18.1	0.7	3.2	1.4	41	0.4	1.1	0.1	139	0.66	0.090
HEN07BKS 51	Silt	0.7	59.3	7.8	59	0.2	78.7	22.2	630	3.57	16.2	0.7	57.4	1.2	38	0.4	1.0	0.1	125	0.57	0.063

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval, preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: Hen

Report Date: March 04, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN08003902.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	0.05	1	0.5	
HEN07BKS 46	Silt	7	96	1.21	115	0.107	<1	1.63	0.023	0.16	0.3	0.03	3.5	<0.1	<0.05	5	<0.5
HEN07BKS 47	Silt	7	100	1.40	109	0.106	2	1.69	0.024	0.15	0.2	0.02	3.4	<0.1	<0.05	5	0.7
HEN07BKS 48	Silt	7	106	1.36	124	0.120	1	1.71	0.029	0.16	0.3	0.02	3.9	<0.1	<0.05	6	0.6
HEN07BKS 49	Silt	7	109	1.35	120	0.124	2	1.76	0.029	0.17	0.2	0.02	3.7	<0.1	<0.05	6	<0.5
HEN07BKS 50	Silt	7	120	1.62	122	0.109	2	1.75	0.025	0.15	0.2	0.03	3.9	<0.1	<0.05	6	0.7
HEN07BKS 51	Silt	6	87	1.24	107	0.099	<1	1.57	0.024	0.14	0.2	0.03	3.5	<0.1	<0.05	5	0.7

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: October 31, 2007

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN07001537.1

	Method	1DX15																			
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	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
SB07BKS-1	Silt	0.4	20.6	4.6	28	<0.1	7.7	5.3	276	1.21	1.6	0.8	1.2	0.7	24	<0.1	0.3	<0.1	36	0.35	0.078
SB07BKS-2	Silt	0.8	21.7	6.0	35	0.1	8.7	6.7	289	1.52	2.3	1.0	157.7	0.5	27	0.1	0.2	<0.1	49	0.45	0.104
SB07BKS-3	Silt	2.1	20.0	6.8	31	<0.1	7.5	10.5	1663	3.14	4.5	0.8	1.7	0.6	32	0.2	0.2	<0.1	53	0.48	0.131
SB07BKS-4	Silt	1.7	33.0	6.2	64	0.2	23.3	9.3	608	2.34	2.8	1.3	1.2	0.1	33	0.3	0.2	0.1	75	0.48	0.094
SB07BKS-5	Silt	1.0	23.7	6.5	58	0.2	11.8	8.2	637	1.97	2.2	0.8	1.2	0.1	34	0.2	0.3	<0.1	59	0.43	0.077
SB07BKS-6	Silt	3.5	47.2	8.5	91	0.1	33.9	16.1	1340	3.15	4.0	4.4	1.0	0.3	30	0.4	0.5	<0.1	82	0.57	0.107
SB07BKS-7	Silt	54.0	48.1	5.5	66	0.5	20.0	14.8	798	4.52	3.0	0.8	2.9	0.5	32	1.0	0.3	2.7	195	0.54	0.086
SB07BKS-8	Silt	84.9	37.2	6.4	47	0.3	17.2	10.5	599	2.83	2.5	0.6	2.0	0.4	35	0.3	0.3	1.0	92	0.61	0.089
SB07TRS-1	Silt	1.0	25.4	5.1	43	0.4	10.1	7.5	309	1.95	1.9	0.9	2.2	0.2	46	0.3	0.2	0.2	49	0.66	0.124
SB07TRS-2	Silt	33.4	426.9	5.5	92	0.3	29.1	11.4	604	4.03	2.5	3.8	2.0	0.7	32	1.0	0.4	2.6	142	0.80	0.097
SB07TRS-3	Silt	35.5	44.5	3.6	40	0.2	10.9	7.2	305	2.66	1.3	1.0	1.8	0.6	35	0.2	0.2	1.7	77	0.49	0.069
SB07TRS-4	Silt	24.5	40.8	3.3	38	0.2	11.2	8.1	351	3.84	1.5	0.9	1.2	0.5	29	0.2	0.2	1.9	146	0.47	0.073
SB07TRS-5	Silt	22.8	41.6	3.6	33	0.2	12.3	7.6	441	3.21	1.6	1.0	2.1	0.6	28	0.3	0.2	1.8	112	0.43	0.074
SB07TRS-6	Silt	115.3	234.6	9.8	65	0.4	14.1	15.3	396	4.01	2.1	2.3	26.7	1.4	45	0.3	0.3	4.7	100	0.64	0.112
SB07TRS-7	Silt	6.3	33.7	12.5	122	0.4	14.3	10.0	1136	2.56	3.8	1.2	1.1	0.1	38	2.4	0.4	1.0	65	0.56	0.112

This report supersedes all previous preliminary and final reports with the file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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

www.acmelab.com

Client: Happy Creek Minerals Ltd.

2304 - 1066 W. Hastings St.
 Vancouver BC V6E 3X2 Canada

Project: SB
 Report Date: October 31, 2007

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN07001537.1

Method	Analyte	1DX15															
		La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Ti	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
SB07BKS-1	Silt	4	11	0.44	65	0.079	2	1.07	0.014	0.04	0.3	0.02	1.7	<0.1	<0.05	3	<0.5
SB07BKS-2	Silt	6	12	0.43	60	0.075	2	1.10	0.014	0.03	0.7	0.03	1.4	<0.1	<0.05	3	<0.5
SB07BKS-3	Silt	5	10	0.33	83	0.053	3	0.80	0.012	0.03	0.5	0.03	1.1	<0.1	0.05	2	<0.5
SB07BKS-4	Silt	7	27	0.57	77	0.040	3	1.61	0.013	0.04	0.3	0.04	1.5	<0.1	<0.05	5	0.7
SB07BKS-5	Silt	5	18	0.41	66	0.043	2	1.38	0.011	0.03	0.4	0.04	1.1	<0.1	<0.05	4	<0.5
SB07BKS-6	Silt	6	34	0.97	139	0.036	2	2.19	0.009	0.05	0.2	0.04	2.2	<0.1	<0.05	7	0.7
SB07BKS-7	Silt	6	34	0.51	64	0.078	2	1.56	0.019	0.07	17.3	0.07	2.4	0.1	<0.05	5	0.9
SB07BKS-8	Silt	6	27	0.48	61	0.070	1	1.50	0.018	0.07	6.7	0.07	2.3	0.1	<0.05	5	1.1
SB07TRS-1	Silt	7	16	0.46	78	0.055	2	1.48	0.024	0.04	0.6	0.11	2.2	<0.1	0.07	5	<0.5
SB07TRS-2	Silt	7	25	0.42	67	0.070	2	1.22	0.018	0.09	20.2	0.03	2.5	0.3	<0.05	4	2.1
SB07TRS-3	Silt	5	17	0.52	53	0.081	1	1.24	0.018	0.09	26.8	0.02	2.6	0.2	<0.05	4	0.6
SB07TRS-4	Silt	5	19	0.40	53	0.064	1	1.04	0.013	0.07	32.3	0.03	2.0	<0.1	<0.05	4	0.9
SB07TRS-5	Silt	4	20	0.43	52	0.068	1	1.06	0.013	0.07	22.2	0.01	2.0	0.1	<0.05	4	0.6
SB07TRS-6	Silt	9	19	0.66	128	0.091	<1	1.56	0.024	0.17	29.8	0.03	4.1	0.3	<0.05	5	1.3
SB07TRS-7	Silt	4	17	0.52	100	0.046	2	1.87	0.013	0.10	3.7	0.06	1.2	0.2	0.10	5	1.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on the certificate. Signature indicates final approval. Preliminary reports are unsigned and should be used for reference only.