ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE:
GEOLOGICAL MAPPING AND SAMPLING ON THE SILVERBOSS PROPERTY

TOTAL COST: $ **$17,776.00**

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PROPERTY NAME: Silverboss

CLAIM NAMES (on which work was done): 505116, 547671

COMMODITIES SOUGHT: Silver, copper, gold, Moly

MINFILE NUMBERS: 093A019

MINING DIVISION: Cariboo and Clinton

NTS / BCGS: 093A02W, 093A03E / 093A006, 093A016

LATITUDE: 52° 04' 35" N, **LONGITUDE:** 120° 53' 04" W (at centre of work)

UTM: East: 644,000; North: 5,774,000; Zone 10

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

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

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

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GEOLOGICAL		505116, 547671,	**$7,776.00**
		Total	**$17,776.00**

GEOLOGICAL MAPPING AND SAMPLING REPORT

on the

SILVERBOSS PROPERTY

Event Number: 5535045

CARIBOO MINING DIVISION, BRITISH COLUMBIA

BCGS MAPSHEETS: 093A.006 & 093A.016
52°04'35" N
120°53'04" W

For:

Happy Creek Minerals Ltd.

#460-789 Pender Street

Vancouver, BC, Canada

V6C 1H2

By:

Sassan Liaghat, PhD. Geology

and

David Blann, P.Eng.

February, 2015

SUMMARY

The Silverboss property is located 85 kilometres northeast of 100 Mile House in the south-central Cariboo region of British Columbia. The property is comprised of 35 contiguous mineral tenures that total 9,417.7 hectares in area (BCGS map sheets 093A.006 and 093A.016). The claim group surrounds the former Boss Mountain molybdenum mine on Big Timothy Mountain. Access to the property is from 100 Mile House, B.C. and through Forest Grove and Eagle Creek via paved and well-maintained gravel roads. Trails provide access to higher elevation areas above the mine site.

The Silverboss property is underlain primarily by composite granodiorite of the Early Jurassic Takomkane batholith. Intrusive rocks range from medium to coarse grained granodiorite to diorite in composition. Porphyritic quartz monzonite of the Boss Mountain stock and middle Cretaceous in age, cuts the batholith in proximity to the molybdenum deposits on the south side of the 10 Mile Creek area of the Silverboss property. Molybdenum deposits of the former Boss Mountain molybdenum mine are located at the western periphery of the Boss Mountain stock. Molybdenum mineralization at the mine is thought to be related to rhyolite porphyry, rhyolite and basaltic-andesite dykes, quartz veining and breccia. Molybdenum mineralization is mainly contained within quartz veins and lesser breccia bodies within the granodiorite phase of the batholith and tungsten (scheelite) occurs in proximity to the molybdenum deposits.

Between 2005 and 2012, Happy Creek Minerals performed systematic soil and rock geochemical surveys that identified several positive, large scale copper, molybdenum, tungsten, gold and silver zones that occur well beyond the known molybdenum deposits. These include the Horse Trail zone, extending westward from the mine's molybdenum deposits and the East Breccia and Silverboss Shaft located northwest of the mine. In 2012 the company completed line cutting grids and a three

dimensional induced polarization (3D IP) and magnetometer geophysical survey in the Horse Trail and Silverboss shaft areas located adjacent, and west and northwest of the Boss Mountain molybdenum mine, respectively. These areas contain positive values in soil and outcrops of quartz veins contain positive copper, molybdenum, gold and silver values. On both grids, the IP survey returned moderate to strong chargeability values located beneath the positive surface samples.

In September 2014, the company performed geological mapping and rock sampling one to two kilometres south of Boss Mountain open pits. In this area, extensive logging activity and road construction was conducted during the winter of 2013. Traverses through the large clearing indicate it is underlain by glacial till of unknown thickness. Numerous large boulders of granodiorite of the Takomkane Batholith occur scattered throughout the area. These boulders are weakly fractured and hard weathering. Fractures contain weak to locally moderate concentrations of chlorite, epidote and locally sericite-carbonate-clay along with low geochemical values of copper, molybdenum, zinc, gold and silver. All samples were collected from the larger boulders on surface, and are poorly fractured. One sample (SB-14-07) is more fractured and altered and returned 0.52% copper (5,210 ppm), 0.20 grams per tonne gold and 11 grams per tonne silver, along with 9 ppm molybdenum and 48.9 ppm zinc. The highest copper-gold values appear associated with the strongest degree of fracturing, alteration, and pyrite content. The highest tungsten assay obtained from sample SB14-01 with value of 20.2 ppm. Maximum zinc values occur in SB14-08 with 282 ppm zinc.

The area to the south of the Boss Mountain mine (South Target) is completely covered by glacial till where an airborne magnetic low anomaly occurs. As the copper-gold values are associated with the highest degree of fracturing, sulphides, and are generally softer-weathering it is understandable that mineralized bedrock zones may be recessive, and could potentially occur beneath the glacial till.

It is recommended that an induced polarization geophysical survey be conducted over the South Target area to identify large scale sulphide zones that may represent a copper-moly-gold porphyry type deposit.

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1. INTRODUCTION

The following report was prepared by Happy Creek Minerals Ltd. to document the results of the 2014 prospecting, geological mapping and sampling program carried out on the Silverboss property in the Cariboo Mining District of British Columbia (Fig. 1). This report has been prepared in order to satisfy assessment work requirements on the property during September 2014.

2. LOCATION AND PROPERTY DESCRIPTION

The Silverboss property is a group of mineral claims that surrounds the former Boss Mountain molybdenum mine on Big Timothy Mountain. The property is located by road, 85 kilometres northeast of 100 Mile House; in the south central Cariboo region of British Columbia (Fig. 1). The property boundary on the east side of Timothy Mountain lies within 350 meters of the Boss Mountain open-pit.

The Silverboss property consists of 35 contiguous mineral tenures (Table 1) that cover 9,417.7 hectares of land on BCGS map sheets 093A.006 and 093A.016 in the Cariboo Mining Division (Fig. 2). The Silverboss property is located between latitudes 52°09’00” and 51° 59’ 00” North and longitudes 120° 57” 00” and 120° 38’ 00” West. The centre of the claim block is located at latitude 52°06’02.57” North and longitude 120°16’11.85” West. All of the individual tenures are 100%-owned by Happy Creek Minerals Ltd.

3. ACCESS, TOPOGRAPHY, VAGETATION AND CLIMATE

Access to the property is by well-maintained paved and gravel roads. To access the centre of the property, travel 2 km north of 100 Mile House on Highway 97 and turn

right onto the Canim-Hendrix road. Travel this road to Forest Grove and turn right at the 3 way stop. Continue on the Canim-Hendrix road for a total of 50 km from Highway 97 to Eagle Creek Bridge. Cross the bridge to the start of the Hendrix Lake (6000) road. Travel northerly along the 6000 road for 33 km to the junction with the Boss Mountain mine road, just south of the Hendrix Lake town site. The mine road is followed westerly for 7 kilometres to a gate. Access beyond the gate is either by foot or ATV via several trails that access various parts of Big Timothy Mountain around the mine property. An alternate route exists and accesses the southern area of the property: via 6000 main road, turn at 6013 km marker onto the 620 or Boss Creek forestry road. ATV access along rough cat trails is possible to higher elevations from the historical Molybdenite Creek road. Helicopter access to the property is favourable and charter companies are readily available in Williams Lake or 100 Mile House. These are the nearest major towns, are both situated on Highway 97 and can provide most required services and amenities to support mineral exploration. These are resource-based communities and each has a district population in excess of 10,000 persons. Hydro power is accessible 7.0 kilometres to the east at the Hendrix Lake town site.

The Silverboss property is located within the Interior Wet Belt biogeoclimatic zone of the Quesnel Highlands physiographic region. There is a significant variation in topographic features from west to east across the property. The western claims are centred on and around Big Timothy or Takaomkane Mountain and are adjacent to the Boss Mountain mine pits. The eastern claims straddle the Hendrix Creek drainage, with Hendrix Lake standing out as a prominent feature in the centre of the eastern claim group. The northern section of the claim group is transitional from gentle slopes to plateau-like mountaintops. Elevations on the property range from 1080 metres above sea level near Hendrix Lake in the east to greater than 2140 metres above sea level at the peak of Big Timothy Mtn.

During the winter of 2013-2014, an area of the Silverboss property to the south of Boss Mountain mine was subject to extensive logging activity and road construction, providing excellent access to approximately 5 square kilometres of prospective geology. It is the first time the ground surface can be clearly observed (Photos 1 to 4). This new

clear cut area includes an airborne magnetic low feature, similar to the area underlying the Boss mountain mine. This area is considered a valid porphyry type target and the focus of 2014 exploration. The remaining forested areas are covered by a mixture of mature and juvenile stands of spruce, lodgepole pine, balsam, Douglas fir, paper birch and aspen. Areas on the property locally consist of western red cedar and white spruce. The ground cover is dominated by alder and willow saplings as well as wild rose, thimbleberry shrubs and fireweed. The upper slopes are vegetated in isolated clumps with sub-alpine fir and a variety of alpine plants. There are several prominent creeks on the property, including Moffat, Molybdenite, Boss and Hendrix. The property also encompasses numerous small creeks, wetlands and lakes.

The climate is typical of the northern interior of British Columbia. Summer temperatures average a daytime high in the 20°C range with occasional temperatures reaching the low 30°C range. October through April sees average sub-zero temperatures with extreme lows reaching -30°C. The annual precipitation is an average of 50 cm including winter snowfall.

4. HISTORY

The Silverboss property has been explored by Happy Creek Minerals Ltd. since 2005. A summary of previous work is listed in Table 2.

Exploration in the area has been dominated by discovery of molybdenum mineralization and subsequent development of the former Boss Mountain molybdenum mine (Robinson, 2009; MINFILE 093A 001). The earliest recorded exploration dates back to 1915 when copper and peridote mineralization was discovered by Ryan and Foster at the Silverboss showing (Bailey, 1989; MINFILE 093A 019) on Takomkane Mountain (Big Timothy Mountain). Although active development and mining proceeded on the molybdenum deposits, limited exploration of surrounding areas was performed or documented. In 1976, two drill holes were located well west of existing known deposits and approximately 500 metres east of the Headwall/Horse Trail zone. The drill holes

intersected values of up to 0.510% and 0.480% molybdenum from 1.5 metre samples in DDH 76-3 and 76-13, respectively.

Between 1990 and 2004, sporadic prospecting by private individuals and Pioneer Metals Inc. consisted of rock, silt and soil sampling. In early 2005, several peripheral claims of the Boss Mtn. mine property lapsed and were staked by prospectors and subsequently acquired by Happy Creek Minerals Ltd.

Between 2005 and 2009, Happy Creek Minerals Ltd. completed widespread mapping and prospecting work on the property, collecting rock and silt samples as well as completing three soil geochemical surveys resulting in identification of coincident molybdenum-tungsten-copper-gold and silver anomalies.

Between August and October 2011, exploration on the Silverboss property consisted of extending previous soil geochemical surveys to the west of the Horse Trail zone, northwest of the Gus zone, and south of the mine property. The 2011 soil geochemical survey was successful in extending to the northwest the Gus soil geochemical anomaly, where it appears to be closing off in that direction. It remains open in extent to the southeast. The Gus is a northwest trending, dominantly copper in soil anomaly that is approximately 2.5 kilometres by 1.0 kilometre in dimension, and underlain by glacial till and a strongly positive airborne magnetic anomaly. Positive tungsten and molybdenum values in soil were returned from the western end of the Horse Trail zone and it remains open in extent. Several rock samples collected on the north side of the mine site in 10 Mile Creek contain positive tungsten and trace molybdenum values. This area is underlain by a circular airborne magnetic low that is similar to that associated with the Boss Mtn. stock and adjacent molybdenum deposits. The magnetic low may represent a deeper porphyry system that is similar to the adjacent mine. As with previous sampling in this area, 2011 rock samples support potential for additional molybdenum zones to occur in the 10 Mile Creek area.

During the period July 1st to August 5th, 2012 the company completed line cutting grids and a three dimensional induced polarization (3D IP) and magnetometer geophysical survey in the Horse Trail and Silverboss shaft areas located adjacent, and

west and northwest of the Boss Mountain molybdenum mine, respectively (Liaghat and Blann 2012. These areas contain positive values in soil and outcrops of quartz veins contain positive copper, molybdenum, gold and silver values. On both grids, the IP survey returned moderate to strong chargeability values located beneath the positive surface samples.

Geophysical survey results from the Horse Trail and Silverboss shaft areas correlate well with the known surface zones, and extend to depths of greater than 150 to over350 metres below surface. The IP results from the Horse Trail zone indicates very strong anomalies occur and extend from the boss mountain mine property westward, beneath surface showings of copper, molybdenum, gold and silver. These positive geophysical patterns may be associated with mineralization at the Boss Mountain mine or similar to the Woodjam-Southeast prospects to the northwest, currently being advanced by Gold Fields.

After the completion of 2012 geophysical surveys, the company defined targets for diamond drilling to test for bulk tonnage style copper, molybdenum, gold and silver mineralization. Additional IP geophysical surveys were also recommended to cover extensions of the Silverboss Shaft zone and the copper in soil anomaly at the Gus prospect.

5. GEOLOGICAL SETTING

5.1 Regional Geology

The regional geology of the area (Fig. 3) is comprised of rock assemblages unique to three distinct tectonic terranes identified from east to west as the Kootenay, Slide Mountain and Quesnel terranes. The predominantly fine-grained basin-fill rocks of the Quesnel Terrane structurally overlie a thin, tectonically emplaced oceanic crustal slice known as the Crooked amphibolite, part of the Slide Mountain Terrane. It defines the terrane boundary with the older metamorphic rocks of the Barkerville Subterrane (a

subdivision of Kootenay Terrane) to the east. The boundary is defined by the low-angle Eureka thrust (Schiarizza and Boulton, 2006).

The Quesnel Terrane is interpreted to be a Late Triassic to Early Jurassic magmatic arc complex that formed along or near the western continental margin of Mesozoic North America. Subsequent northeast movement of Quesnellia during the Lower Jurassic ended with the accretion of the volcanic arc and associated sedimentary facies, along with underlying oceanic crust (Crooked Amphibolite of the Slide Mountain Terrane), onto the Kootenay Terrane to the east.

The Quesnel Terrane in this region is dominated by the Early Jurassic Takomkane batholith which is a multiphase pluton comprised of three main phases: a syenodiorite phase, a granodiorite phase and a porphyritic biotite granodiorite phase. The batholith intrudes Middle to Upper Triassic volcanic and sedimentary rocks of the Nicola Group characterized by an assemblage of basal black phyllite, carbonate, augite-feldspar phyric flows, agglomerate, volcanic conglomerate, monolithic to heterolithic breccia and tuff of predominantly basalt to andesite composition. Late Triassic to Early Jurassic porphyritic stocks, dykes and sills of syenite, monzonite to granodiorite composition are present and probably coeval with the Nicola Group assemblage.

There are locally small stocks, Late Triassic to Cretaceous in age, and irregular-shaped plugs and dykes of monzogranite to granodiorite composition that appear to cut most older units, including the Takomkane Batholith. The Boss Mountain stock, Cretaceous in age is comprised of porphyritic quartz monzonite and intrudes the batholith about 450 metres east of the Boss Mountain molybdenum deposits. Related to this intrusion is a complex sequence of rhyolite porphyry and rhyolite dike emplacement, breccia development and molybdenum mineralization (Soregaroli and Nelson, 1976). These felsic dikes are noted on the Silverboss property several kilometres away from the mine.

Younger rocks commonly occur to the west and include Eocene alkaline and calc alkaline volcanic rocks and Eocene sediments of the Kamloops Group. Alkaline volcanic rocks of the Miocene to Pleistocene Chilcotin Group also occur to the west. A variable

thickness of glacial till, glacofluvial deposits and lacustrine deposits covers the area, restricting outcrop exposure, particularly at lower elevations or shallower slopes. The youngest rocks in the region are Holocene olivine-bearing alkali basalt of the Takomkane Volcano and may be syn to postglacial in age (Campbell, 1978).

Structural features in the region involve two phases of coaxial folding and later overprinting by northeast trending fractures. The first phase of deformation was accompanied by thrust faults and detachment surfaces that developed principally along stratigraphic contacts due to contrasting lithologies. Early Jurassic east-directed thrust faults formed during the latter stages of magmatism and juxtapose Quesnel Terrane above adjacent Kootenay Terrane miogeoclinal rocks. The second phase of deformation consists of west to south-west verging folds, in part of early Middle Jurassic age, that deformed the east-directed thrust faults and tectonic boundaries, and established the regional map pattern. Younger structures include prominent systems of Eocene dextral strike-slip and extensional faults. Regional metamorphism is evidenced by amphibolite facies in the Kootenay Terrane and Slide Mountain terrane, and greenschist facies in the Quesnel Terrane.

5.2 Local and Property Geology

The Silverboss property is mainly underlain by composite granodiorite of the Upper Triassic to Lower Jurassic Takomkane Batholith (Fig 4). Intrusive rocks vary from medium to coarse grained granodiorite, quartz monzodiorite, monzodiorite, quartz diorite and diorite in composition. The nature, distribution and timing of Takomkane batholith-related intrusive rocks on the Silverboss property remain unclear.

The porphyritic quartz monzonite Boss Mountain Stock, cuts the batholith in proximity to the molybdenum deposits of the former Boss Mountain molybdenum mine, and the 10 Mile Creek zone on the Silverboss property. Molybdenum deposits at the mine are located on the western periphery of the Boss Mountain stock and are related to a complex sequence of rhyolite porphyry and rhyolite, basaltic-andesite dykes, quartz vein and breccia development. Molybdenum mineralization is mainly contained within quartz vein and breccia bodies within the granodiorite phase of the batholith.

The rocks underlying the Silverboss property are medium to coarse grained diorite and quartz diorite although compositional variation exists. Zenoliths of diorite occur in granodiorite and tend to form coarse breccia textures in proximity with intrusive contacts. Blann (2007) reports dark, angular magnetic diorite fragments in heterolithic intrusion breccia near the Silverboss shaft, and granite/monzonite fragments within biotite-hornblende diorite south of 10 Mile Creek near the inferred contact of the Boss Mountain stock. Diorite is noted in the southern portion of the claim area, and southwest of the Boss Mountain mine (Blann, 2007). These rocks are cut by dominantly northwest and northeast trending, steeply dipping dikes of basalt-andesite composition and range from 0.5-3.0 metres in width. Locally, porphyritic quartz latite or rhyolite dykes occur.

Mineralogical variation is noted amongst rock types, with 2 - 15% biotite, 1 - 10% quartz, 10 - 50% hornblende and 2 - 3% fine-grained disseminated magnetite and feldspar. Xenoliths commonly contain up to 70% coarse-grained crystalline hornblende. A possible second diorite (or tonalite) unit has been noted, and described as fine to medium grained, and contains from 10 - 20% dark biotite. This biotite-rich unit has been delineated from southwest to northwest of Silverboss Lake however attempts to map this unit have been unsuccessful due to its variability in texture and outcrop exposure. Exposures of this unit measure from a few metres to approximately 20 metres in extent. Diorite has been cut by abundant, relatively flat-lying quartz feldspar +/- hornblende +/- tourmaline pegmatite dykes or veins. These units range from several millimetres to several metres in thickness, but are usually less than 20 cm thick. Several coarse-grained aplitic dykes and dyke swarms, up to a few metres in width, are noted and may be related to this same phase.

The Takomkane Volcano, a cinder cone which forms the highest part of the claim group, occurs four kilometres northwest of the Boss Mountain mine open pits. It is comprised of vesicular, amygdaloidal and fine-grained lavas, flow breccias, ash to lapilli tuffs and agglomerate of peridote-bearing basalt or more mafic in composition. Genetically associated basaltic dykes, feeders to the subaerial volcanic rocks listed above, cut the batholith (Blann, 2006). Portions of the volcanic material thinly cover

areas of the property thought to be prospective for older underlying porphyry style copper-molybdenum-gold-silver mineralization.

The Silverboss shaft and adit vein consists of a north-northeast trending, steeply dipping vuggy quartz vein, breccia and stock work associated with fine to coarse grained sulphides consisting of pyrite, and variable concentrations of chalcopyrite, sphalerite, galena and possibly tennatite-tetrahedrite. The East Breccia zone is located approximately 300 m east of the Silverboss shaft. It is characterized by diorite breccia and is cut by quartz-chalcopyrite-pyrite-specular hematite veins trending 146°.

The Horse Trail zone is located to the west of the Boss Mountain mine and at surface consists of a series of variably-oriented, mineralized fractures and shear zones that cut monzodiorite. The overall structure appears to be over 1.5 kilometres in length and contains fractures filled with dogtooth quartz intergrown with pyrite-chalcopyrite and locally molybdenite. This area is also clearly within a strong west to northwest trending structure that extends upwards and beyond the Boss Mtn. mine open pits.

Geophysical Survey:

In 2012, a 3D Induced Polarization (3DIP) survey was performed in two separate grids (South Grid and North Grid) that are located to the west and northwest of the Boss Mountain open pits, respectively. In both the North Grid (covering the East Breccia and Shaft Zone) and the South Grid (covering the Horse Trail Zone) , the IP survey suggests that moderate to strong chargeability values lie below the area of positive surface sampling results (Liaghat and Blann, 2012). The positive chargeability responses remain open in extent.

The geophysical survey results coincide well with the orientation of the main structural and mineral trends mapped at surface. Overall, the results suggest potential for the Horse Trail and Silverboss Shaft zones to be sourced at depth in sizeable mineralized zones as indicated by the geophysical survey.

5.3 Mineralization and Alteration

The Silverboss property covers seven known zones of mineralization including numerous areas of anomalous float occurrences. The zones are located around the Boss Mountain molybdenum deposit cluster. The information presented below is largely summarized from Blann (2008a,b).

The Silverboss structure is one of the principal mineralized features on the property. It is a northeast-trending, steeply dipping shear and fault zone containing quartz veinlets, veins, breccia and stockwork that can be traced for approximately 350 m along strike and is open in extent (Ridley, 1994). The mineralized trend consists of 2 – 20 cm wide quartz veins within a centralized 0.5 to 2 metre wide shear zone comprised of chlorite, epidote, sericite and clay-altered granodiorite and intrusion breccia (Blann and Ridley, 2006). Sub-parallel to locally cross cutting mineralized fractures also occur that affect a larger area and a feldspar porphyry andesite dyke occurs near the main shaft (Blann, 2008). Mineralization consists of comb and dogtooth quartz, fine-grained pyrite, limonite and chalcopyrite with subordinate arsenopyrite, pyrrhotite, galena and sphalerite (Allen, 1970). Anomalous values of manganese, lead, arsenic and antimony are associated with variable gold and silver values (Blann and Ridley, 2005). Sampling of trenches in the vicinity of the underground workings yielded values as high as 4.26 g/t Au, 64.6 g/t Ag across 0.5 m in Trench 4, and 215 ppb Au, 390.4 g/t Ag and 3.18% Cu across 0.25 m in Trench 8 (Ridley, 1994). Several rock samples taken in 2010 returned indium values of around 3 to 6 ppm that are the first documented occurrence of this element on the property (Blann, 2010, unpublished report).

The East Breccia zone is located approximately 300 m east of the Silverboss shaft. It is characterized by strongly epidote-altered hornblende diorite breccia and is cut by quartz-chalcopyrite-pyrite-specularite veins trending 146°. A selected grab sample from the vein graded 1241 ppb Au, 1.21 oz/t Ag and 2.48% Cu. A chip sample across 2 m of altered wallrock averaged 218 ppb Au (Ridley, 1995).

The South Ridge Headwall, Horse Trail and Dogtooth zones consist of mineralized quartz veins hosted by fractured and propylitic altered monzodiorite. The South Ridge zone is situated along the southern crest of Big Timothy Mountain where 1 - 3 cm fractures are filled with quartz, minor chalcopyrite and magnetite, and locally traces of molybdenite. Grab samples of this material have returned values up to 7.26 g/t Au and 140 g/t Ag (Blann and Ridley, 2006).

The Headwall zone occurs in a large depression southwest of the Boss Mountain open pits. Float, similar in character to the Silverboss veins, has been traced for approximately 1500 m along strike and grab samples have returned values up to 723 ppb Au, 226 ppm Bi and 230 ppm W (Blann and Ridley, 2005).

The Horse Trail zone consists of a series of variably-oriented, 20 to 30 cm wide fractures and shear zones that cut monzodiorite due west of the Boss Mountain open pits. The structure appears to be over 1.5 kilometres in length and contains dogtooth quartz intergrown with pyrite-chalcopyrite as well as narrow, sulphide poor, pale grey to white quartz stringers (Blann and Ridley, 2005). A chip sample across a 20 cm vein returned 5642 ppm Cu, 43 ppm Ag and 791 ppb Au (Blann, Ridley 2006). Other veins contain positive copper, molybdenum, gold and silver values.

The Dogtooth zone, situated between the East Breccia and Horse Trail zones, is comprised of a northeast-trending quartz vein and northwest-trending shear zone that have been traced for 150 m along strike. Bedrock and float grab samples of silicified quartz monzodiorite cut by narrow quartz stringers, have graded up to 53.01 g/t Au and 343.0 g/t Ag and a 1 m chip sample across a northeast-trending vein averaged 10.06 g/t Au and 26 g/t Ag (Blann, Ridley 2006).

The 10 Mile Creek zone is located at the base of a steep east–facing slope on the north side of the Boss Mountain molybdenum mine property. In this area, fractures filled with quartz, chlorite, epidote, pyroxene, sericite, trace to massive pyrite, and trace scheelite cut moderately to intensely fractured and locally sheared biotite hornblende quartz monzodiorite. A 4.0 meter chip sample across the zone averaged 9.8 ppm Mo,

0.015% W and 0.21 g/t Au, and a 25 metre long grab sample returned 0.05% W (Blann, Ridley 2006).

6. 2014 GEOLOGY AND SAMPLING

During September 2014, the Company performed geological mapping and rock sampling located approximately 400 metres to two kilometres area south of the Boss mine property, in the vicinity of the airborne low magnetic geophysical feature of interest (Fig. 7). A number of traverses along and adjacent the new logging roads indicate the glacial till in the area is extensive and thick. Glacial till is comprised of grey fine silty matrix with sub-rounded to sub-angular pebbles, cobbles and boulders consisting of a variety of intrusive rocks. Larger boulders up to several tonnes or more in size, consist of granite, granodiorite to diorite that appear locally derived from the Takomkane Batholith. The boulders are hard weathering, and weakly fractured. Fractures are filled by variable amounts of chlorite, epidote, sericite and carbonate and locally, pyrite and chalcopyrite occur. Twenty six rock samples were collected for description and sixteen were sent for geochemical analyses.

6.1 Rock Geochemical Survey

Sixteen rock samples collected were secured in labelled polyethylene bags and shipped to AGAT for analysis using ICP-MS methods. Sample locations and numbers are shown on Figures 5 and 6. Results for selected elements are illustrated in Figures 6a through 6f and listed in Table 3 and Appendix 1. Rock descriptions are presented in Table 2.

All rock samples were crushed, pulverized and the resulting sample pulps were analyzed. The rock samples were jaw crushed until 70% passed through a 10 mesh (2 mm) screen. The sample was split and a 250 g riffle split sample was then pulverized in a mild-steel ring-and-puck mill until 95% passed through a 150 mesh (100 µm) screen. The remaining coarse reject portions of the samples remain in storage at AGAT. The samples were analyzed using AGAT's aqua regia digestion with an ICP-MS finish. The reader is referred to http://www.agatlab.com for details of these analytical procedures. Assay certificates are provided in Appendix 2.

6.2 Rock Geochemical Results

Geochemical results returned low values except SB-14-07 (Figures 6a through 6f). Sample SB-14-07 returned 0.52% copper (5,210 ppm), 0.20 grams per tonne gold and 11 grams per tonne silver, along with 9 ppm molybdenum and 48.9 ppm zinc. The highest copper-gold values appear associated with the strongest degree of fracturing and associated alteration and pyrite-chalcopyrite content. The highest tungsten assay in sample SB14-01 returned 20.2 ppm tungsten. It should be noted that aqua regia digestion is limited for tungsten. Sample SB14-08 returned 282 ppm zinc.

7 DISCUSSION AND RECOMMENDATIONS

The Silverboss property surrounds the past producing Boss Mountain molybdenum mine and is locally within 350 metres of an open pit on its northwestern side. To the northwest and north, exploration between 2004 and 2013 indicate several areas of the property are underlain by copper, molybdenum, gold and silver bearing quartz veins, fractures, stockwork and breccia. These large scale targets are called the Horse Trail, Dogtooth, Silverboss, 10 Mile Creek and Gus prospects, respectively (Fig. 8). The mineralized structures trend northwest, northeast and east, have variable dips and are hosted by chlorite, epidote, k-feldspar, sericite, tourmaline and/or clay altered phases of the Early Jurassic Takomkane batholith. Dikes of felsic to basaltic-andesite in composition and locally porphyritic in texture occur well beyond the past-producing molybdenum deposits, and occur in spatial proximity to mineralization in several areas of the Silverboss property (Fig. 9).

An induced polarization geophysical survey completed at the Horse Trail and Silverboss prospects returned a positive response associated with rock geochemical values (Figs 7a to 7f). Rock samples have returned values including 0.56% copper, 0.79 g/t gold, and 3% copper, 4.0 g/t gold, 390.0 g/t silver, respectively. The Dogtooth prospect (east of Takomkane Batholith) has returned samples with up to 53.0 g/t gold and 343.0 g/t silver. Historically, the area to the south of the mine property has not been subject to any detailed exploration work in part due to the poor access and extensive

forest and overburden coverage that may have limited exploration effectiveness. An airborne geophysical survey identified a positive magnetic and radiometric target and during 2009, the Company completed a few reconnaissance soil lines returning positive copper results.

The 2014 geological mapping and sampling program to the south of the boss Mountain mine investigated a new, large clear cut area and logging roads. Geological observations of this area indicate it is completely covered by glacial till of unknown thickness. Scattered, large boulders of granodiorite composition are weakly fractured and hard weathering and appear to be derived from the Takomkane Batholith. Fine fractures within the boulders contain chlorite, epidote, sericite-sausserite and variable concentrations of pyrite, chalcopyrite. Samples obtained from the large boulders were returned geochemically trace values other than SB-14-07 with 0.52% copper and 0.20 g/t gold, 11 g/t silver. The highest copper-gold values appear associated with the strongest fracturing, alteration and sulphide content.

Although most of the area is confirmed to be covered by glacial till, access has improved considerably for future surveys such as induced polarization geophysics. In this area, the Company previously obtained a number of reconnaissance soil/ glacial till samples containing positive copper and molybdenum values that are in proximity to an airborne magnetic low feature. The mineralized samples from 2014 are in part, similar to the Company's Horse trail or Silverboss zones located west and northwest of the mine, where the greatest fracturing has the most intense alteration and sulphide content.

The large boulders sampled during 2014 are hard weathering, and it may be expected that the best mineralized rocks are the most well fractured, and soft weathering- and are recessive in nature and covered by glacial till in this area. The soil, stream sediment and mineralized 2014 rock sample results along with the interpreted geology and airborne geophysical data are thought to reflect potential for a copper-moly-gold porphyry system in this area.

Considering the proximity to the Boss Mountain moly mine, similarity in magnetic low geophysical signatures and presence of copper values in rock and soil, the South Target area is thought to have potential for porphyry style mineralized zones.

Recommendations for follow-up include:

- More detailed bedrock geological mapping in areas surrounding the Boss Mtn. mine, with attention to the Horse Trail zone and East Breccia, Silverboss Shaft areas.
- Diamond drilling of 1500 metres in 4 or 5 holes to test the geophysical targets in the Horse Trail, East Breccia and Silverboss Shaft areas for copper-molybdenum +/- gold and silver mineralization.
- Additional IP and magnetic geophysical surveys covering the 2014 survey area, called the South Target, and in 10 Mile Creek, immediately north of the boss mine property. Reconnaissance IP is also recommended to cover the Gus copper in soil anomaly.

Respectfully Submitted,

"Sassan Liaghat"

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Sassan Liaghat. Ph.D

"David Blann"

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David Blann, P.Eng.

8. REFERENCES

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9. STATEMENT OF COSTS – 2014

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	**Field Days**	**Days**	**Rate**	**Subtotal***	
Sassan Liaghat, PhD Geologist	Sept 16-20	5	$650.00	$3,250.00	
John Lewis- Geologist assistant	Sept 16-20	5	$175.00	$875.00	
				$4,125.00	**$4,125.00**
Office Studies					
Database compilation	sassan liaghat	5.0	$650.00	$3,250.00	
General research	GIS Mapping /plotting of drill holes	3.0	$650.00	$1,950.00	
Report preparation	sassan liaghat	4.0	$650.00	$2,600.00	
Report preparation	David Blann, P.Eng	2.0	$650.00	$1,300.00	
Other (specify)	Rock sample description	1.0	$650.00	$650.00	
				$9,750.00	**$9,750.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Rock	*laboratory costs*	16.0	$22.50	$360.00	
				$360.00	**$360.00**
Transportation		**No.**	**Rate**	**Subtotal**	
truck rental		5.00	$125.00	$625.00	
kilometers			$0.00	$0.00	
ATV		5.00	$50.00	$250.00	
				$875.00	**$875.00**
Accommodation & Food	**Rates per day**				
Hotel	8 man-days	8.00	$125.00	$1,000.00	
				$1,000.00	**$1,000.00**
Miscellaneous					
Telephone	cell phone	5.00	$10.00	$50.00	
Other (Specify)					
				$50.00	**$50.00**
Freight, rock samples					
	included in transportation				
TOTAL Expenditures					$16,160.00
	Management @ 10%				$1,616.00
					$17,776.00

10. STATEMENT OF QUALIFICATIONS

Sassan Liaghat, M Sc, PhD Coquitlam, British Columbia, do hereby certify that:

- I am a geologist, graduated from the Universities of McGill and Ecole Polytechnique of Montreal in Master and Ph.D degrees in 1990 and 1994, respectively.
- That I have been actively engaged in the mineral exploration research and industry since 1990.
- I am the author or co-author of several scientific papers and reports, published in international and local journals.
- Since 2006, I have been involved in mineral exploration for base and precious metals in BC.

Dated in Vancouver, B.C., February 10 2015

"*Sassan liaghat*" (Signed)

Sassan Liaghat Ph.D

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

- That I am a Professional Engineer registered in the Province of British Columbia since 1990.
- That I am a B.Sc. graduate in Geological Engineering from the Montana College of Mineral Science and Technology, Butte, Montana, 1987.
- That I am a graduate with a Diploma in Mining Engineering Technology from the B.C. Institute of Technology, 1984.
- That I have been actively engaged in the mining and mineral exploration industry since 1984.

Dated in Vancouver, B.C., February 2015

"David Blann" (Signed)

David E Blann, P.Eng.

Tables

Table 1 : List of Mineral Tenures and Status (2014)				
Tenure Number	**Claim Name**	**Issue Date**	**Good To Date**	**Area (ha)**
408035	SB4	2004/feb/01	2018/dec/31	500
505103	SB5	2005/jan/28	2017/dec/31	436.805
505116	SB6	2005/jan/28	2017/dec/31	496.709
517036	BOSS 1	2005/jul/12	2018/dec/31	19.868
517058	BOSS 2	2005/jul/12	2018/dec/31	19.868
517552	SB5	2005/jul/12	2018/dec/31	238.312
526510		2006/jan/27	2018/dec/31	1052.213
526513		2006/jan/27	2016/dec/31	595.863
531516	BOSS 3	2006/apr/07	2018/dec/31	19.868
537013	BOSS 3	2006/jul/13	2016/dec/31	357.07
537023	BOSS 4	2006/jul/13	2016/dec/31	79.393
537030	BOSS 5	2006/jul/13	2016/dec/31	178.578
537134	COPPER STRIKE 3	2006/jul/13	2015/dec/31	357.171
537164	BOSS 5	2006/jul/13	2015/dec/31	19.866
539414	GUS 2	2006/aug/15	2017/dec/31	297.5714
539433	SB FRACTION	2006/aug/16	2015/dec/31	39.7346
547671	RB83	2006/dec/19	2017/dec/31	397.3559
547673	RB86	2006/dec/19	2016/dec/31	476.9823
547676	ROSS2	2006/dec/19	2015/dec/31	496.6928
547682	RB90	2006/dec/19	2014/dec/31	417.1639
548357	BOSK 4	2007/jan/01	2016/dec/31	79.4891
552075	BOSS 7	2007/feb/15	2018/dec/31	19.868
552149	BOSS 8	2007/feb/16	2018/dec/31	19.8646
552151	BOSS 9	2007/feb/16	2018/dec/31	19.8645
552474	GUS	2007/feb/21	2017/dec/31	257.987
552561	SB10	2007/feb/23	2015/dec/31	477.0117
552562	SB11	2007/feb/23	2015/dec/31	457.3183
553516	GUS 3	2007/mar/04	2016/dec/31	357.237
554084	SB SW	2007/mar/12	2016/dec/31	158.9433
572221		2007/dec/20	2018/dec/31	19.8648
572222		2007/dec/20	2018/dec/31	19.8643
589368	SB FRAC 2	2008/aug/01	2015/dec/31	39.7319
596342	SB 23	2008/dec/19	2015/dec/31	477.1136
688006	SB 24	2009/dec/21	2015/dec/31	496.5925
688423	SB 25	2009/dec/22	2015/dec/31	19.8687
			Total	9417.7042

Year	Table 2 Summary of Previous Exploration Activities on Silverboss Property
1915 - 1917	Ryan and Foster discovered the Silverboss vein system and developed trenches, pits, open cuts, sunk a shaft and drove an adit. They recovered peridote and attempted but failed to market the material as gem quality emerald.
1969 - 1972	Exeter Mines Limited claim staked the Silverboss vein system and surrounding ground adjacent to the Boss Mountain mine. Exeter conducted at least 1 program of mapping, VLF-EM geophysical survey and a limited soil geochemical survey. Remnant drill core, a few abandoned drill collars (SW end of Silverboss vein system), and evidence of shallow trenching has been discovered around the Silverboss showing and likely dates to the early 1970's; although there are incomplete records of the work or the results.
1969 - 1970	Virgo Explorations Ltd. staked a large claim group adjacent to Exeter and Boss Mountain mine property, on the northern and eastern slopes of Big Timothy Mountain. Exploration work included detailed stream sediment and focused soil geochemical surveys and ground magnetometer surveys. Positive molybdenum anomalies were returned from soil and silt samples at the east end of 10 Mile Creek.
1972	Rio Tinto claimed the Monty ground at the head of Boss Creek, approximately 2.5 km southwest of the Boss Mountain mine property. A soil sampling program was conducted for which no records have survived or were never submitted for claim maintenance.
1972	Exploration work was conducted by Neilson and Gutrath on the Trooper claims located approximately 4.8 km northwest of the Boss Mountain mine. Work consisted of line-cutting, 8.3 km of IP geophysical survey, and blast trenching. Apparently no encouraging results were obtained.
1985	Dave Javorsky conducted a limited excavator trenching program on a large claim grouping at the east end of the mine property. The claims were allowed to lapse soon after.
1993 - 1995	Ridley staked the open ground covering the Silverboss vein system, and together with Pioneer Metals Corporation conducted a limited program of mapping and prospecting and managed to trace the surface expression of the vein system over a strike length of 350m. They also identified several new showings, including the East Breccia zone.
2004	Ridley and David Blann conducted a limited program of mapping, prospecting, rock and silt sampling and identified several new zones, including the Horse Trail and Headwall zones. Rock samples from quartz veins returned anomalous Cu, Au and Ag values.
2005	Noranda (now Xstrata) dropped a number of claims surrounding the main Boss Mountain mine holding and the ground was subsequently staked by Ridley and optioned to Happy Creek Minerals. Happy Creek conducted a limited program of exploration on the east slopes of Big Timothy Mountain. Work included mapping, prospecting, and collection of 47 rock and 8 silt samples. Gold and silver values were returned from quartz veins, as well as anomalous arsenic, bismuth, tungsten and molybdenum values. Samples from the Dogtooth zone returned up to 53.0 g/t Au and 343 g/t Ag. The gold-silver bearing quartz vein system was postulated by Blann to be part of a regional mineral zonation pattern genetically related and proximal to the high-level molybdenum porphyry system hosting the Boss Mountain deposit.
2006	Happy Creek conducted mapping, prospecting, 33.7 line-km of grid development, and collected 36 rock, 8 silt and 965 soil samples in the Horse Trail, Dogtooth, and 10 Mile Creek areas. Soil geochemistry outlined a molybdenum-tungsten-copper anomaly that measured roughly 500 m wide by 3.0 km in length. Gold-in-soil anomalies were identified proximal to the Horse Tail, Dogtooth and East Breccia zones. One rock sample collected at the South Ridge zone returned 7.26 g/t Au and 140 g/t Ag.
2007	Happy Creek carried out mapping, prospecting and collected 17 rock samples, 62 silt samples and 966 soil samples over 48.3 line-km of grid.

2008	Happy Creek carried out prospecting (20 rock samples), a geochemical soils grid of 598 samples, and sampled 43 streams. Large coincident Mo / W anomalies were identified.
2009	During 2009 Happy Creek Minerals collected numerous geochemical samples including 125 soil samples, 26 stream samples and 3 rock samples. The soils were taken from the Gus extension zone north of the Mine site. The stream and rock samples were taken in the areas directly north and south of the Mine.
2011	Between August and October 2011, exploration on the Silverboss property consisted of extending previous soil geochemical surveys to the west of the Horse Trail zone, northwest of the Gus zone, and south of the mine property. The stream sediment and rock samples were taken in the areas directly north and south of the Silverboss Mine, respectively. In total 527 soil, 29 stream sediment and 7 rock samples were collected.
2012	During the period July 1st to August 5th, 2012 the company completed line cutting grids and a three dimensional induced polarization (3D IP) and magnetometer geophysical survey in the Horse Trail and Silverboss shaft areas located adjacent, and west and northwest of the Boss Mountain molybdenum mine, respectively. These areas contain positive values in soil and outcrops of quartz veins contain positive copper, molybdenum, gold and silver values. On both grids, the IP survey returned moderate to strong chargeability values located beneath the positive surface samples.

Table 3: Silverboss Rock Samples, Description and Assay, 2014

Sample ID	Easting	Northing	Description	Lab #	Ag ppm	Au ppm	Cu ppm	Mo ppm	Zn ppm
SB-14-01	646106	5771591	Chip sample, sub-outcrop, diorite, medium grained , equigranular rock with approx. 50% white tabular euhedral felsapar, 25% dark-green mafic (hbl, bio), 5% qtz. Mafic minerals partly altered to chl and epi, locally sericite and patchy hem, No major fractures and veins, no sulfide minerals.	5528982	0.17	<0.005	135	0.52	15.3
SB-14-02	645993	5771522	Chip sample, outcrop 3x4m, granodiorite, coarse grained, white creamy, approx. 60% white tabular euhedral felsapar, 15% dark-green mafic (hbl, bio), 10% qtz. Mafic minerals weakly altered to chl and epi, locally sericite replaced plagio, No major fractures and veins, no sulfide minerals.						
SB-14-03	645991	5771588	Chip sample, sub-outcrop, boulder, granodiorite, light to dark green, original minerals mostly replaced by fine grained chl and epi, rock weakly brecciated and cut by narrow felsic (few cm) dike	5528983	0.16	0.016	163	0.57	61.6
SB-14-04	645090	5771996	Chip sample, outcrop, 3x3m, granite-granodiorite, med sized, light to dark green color, approx. 60% creamy felsapar, 15% dark-green mafic (hbl, bio), 20% qtz. Rock moderately chl-epi altered, fractures and joints filed with dark green chl and epi and host for fine grained py. minor clay alteration may associate with sericite.	5528984	0.46	0.008	77	0.76	159
SB-14-05	645087	5772012	Chip sample, boulder sub-outcrop, granite, whitish, unaltered. Qtz, plagio, bio, hbl, and k-spar minerals are present in euhedral to subhedral. Equigranular, Joints and fractures are filled with secondary chl-epi minerals. No sulfide minerals observed.						
SB-14-06	645044	5772062	Chip sample, sub-outcrop, boulder, granodiorite, light to dark green, med sized, Mineral contents, as noted above. rock fractures fill with chl-epi. Minor py in fractures and in groundmass.	5528985	0.3	<0.005	25.2	1.42	121

Table 3: Silverboss Rock Samples, Description and Assay, 2014

Sample ID	Easting	Northing	Description	Lab #	Ag ppm	Au ppm	Cu ppm	Mo ppm	Zn ppm
SB-14-07	645022	5772064	Chip sample, sub-outcrop, granodiorite, coarse to fine grained, dark green, original felsapar, hbl, bio and qtz strongly mixed or replaced with chl-ser, epi and carb. Rock mechanically smashed and banded. Sulfide rich, py in fractures and disseminated, locally massive and coarse grained. Dark iron oxide stained in some areas. Moly may present with py.	5528986	11	0.205	5210	8.59	48.9
SB-14-08	644951	5772002	Chip sample, outcrop 3x4m, granodiorite, coarse to fine grained, dark green. Alteration and mineralization same as noted in rock SB-14-R07.	5528987	1.34	0.006	132	1.25	282
SB-14-09	645120	5771938	Chip sample, sub-outcrop, granodiorite-diorite, dark green color, strong chl-ser-clay alteration, broken rock with several thin chl-epi veins and fracture fillings.. Carbonate veinlets cut through the chl-epi veins. No sulfide minerals observed.	5528988	0.14	<0.005	4.5	0.82	223
SB-14-10	644890	5771676	Chip sample, sub-outcrop, granodiorite, med grain sized, light green, Original mineral contents similar to above. Locally felsapar, hbl, bio replaced with chl-ser, epi and carb. Small veins contain dark green minerals and probably minor py, with weak potassic and hem alterations on selvage.	5528989	0.28	<0.005	5.8	0.71	72.9
SB-14-11	644868	5771666	Chip sample, small boulder, granodiorite, green colored, mild chlorite alteration replaced part of mafic minerals. Carb veins in different trends cut through the rock. Hem stains locally. No sulfide minerals observed.						
SB-14-12	644802	5771497	Chip sample, sub-outcrop, diorite granodiorite, medium grained , equigranular rock with approx. 50% white tabular euhedral felsapar, 25% dark-green mafic (hbl, bio), 10% qtz. Mafic minerals partly altered to chl and epi, locally sericite and hem. In fractures dark chl and white carb host for cluster of iron sulfide minerals.	5528990	0.21	<0.005	22.8	0.52	67.7
SB-14-13	644713	5771231	Chip sample, boulder, light green granodiorite. Banding structure is observed due to presence of mafic rich zones. Small chl veins contain minor py and probably trace moly.	5528991	0.08	<0.005	38.6	0.43	53.4

Table 3: Silverboss Rock Samples, Description and Assay, 2014

Sample ID	Easting	Northing	Description	Lab #	Ag ppm	Au ppm	Cu ppm	Mo ppm	Zn ppm
SB-14-14	644713	5771211	Chip sample, boulder, light green colored granodiorite. Mineralogy and mild alteration similar to above description. Fractures and veins fill with carb, qtz and chl are common. No sulfide present.						
SB-14-15	644712	5771200	Chip sample, sub-outcrop, diorite granodiorite, medium grained. Mineralogy and mild alteration similar to above description. Fractures and veins fill with carb, qtz and chl are common. No sulfide present.						
SB-14-16	644714	5771088	Chip sample, sub-outcrop, granodiorite, medium grained , equigranular rock, mild alteration, massive with minor fractures. No sulfide minerals.						
SB-14-17	644711	5771142	Chip sample, outcrop, 5x5m surface occurrence, granite- granodiorite, medium grained , equigranular groundmass. Weak to moderate ser-chl alteration. Small qtz-carb veins, chl-ser and locally epi in fractures and in veins. Mafic minerals locally oxidized. No sulfide minerals.						
SB-14-18	645097	5772163	Chip sample, sub-outcrop, granodiorite, light green, med coarse grained, original mineral contents similar to above descriptions. Mild propylitic alteration, locally silicified, epi-chl and carb veins are common. Py in minor amount as disseminate and in veins with chl.	5528992	0.13	<0.005	16	0.92	47.7
SB-14-19	644792	5772305	Chip sample, sub-outcrop, diorite-granodiorite, light dark green, fine grained, Original mineral contents similar to above descriptions. Carb-chl ser alteration of groundmass. Chl and epi in veins with trace of pyrite.	5528993	0.01	<0.005	25	0.35	67.5
SB-14-20	644776	5772253	Chip sample, sub-outcrop, diorite-granodiorite, light green, fine grained, Original mineral contents similar to above descriptions. Weak dissemination of py in weakly chl-ser altered groundmass, minor hem staining.	5528994	0.13	<0.005	69.8	3.23	67.4

Table 3: Silverboss Rock Samples, Description and Assay, 2014

Sample ID	Easting	Northing	Description	Lab #	Ag ppm	Au ppm	Cu ppm	Mo ppm	Zn ppm
SB-14-21	644780	5772270	Chip sample, sub-outcrop, granodiorite, light green, med coarse grained, Original mineral contents similar to above description. Locally felsapar, hbl, bio replaced with chl-ser, epi and carb. Small veins contain dark green minerals and probably minor py	5528995	0.67	0.005	271	1.22	56.1
SB-14-22	644793	5771877	Chip sample, sub-outcrop, granodiorite, light green, med coarse grained, Original mineral contents similar to above description. Mild propylitic alteration, Rock fractures fill with chl-epi. Minor py in fractures and in groundmass.	5528996	0.49	0.014	22.9	3.86	81.6
SB-14-23	644793	5772124	Chip sample, sub-outcrop, granodiorite, light green, med coarse grained, Original mineral contents similar to above description. locally silicified, epi-chl and carb veins are common. Py in minor amount as disseminate and in veins with chl.	5528997	0.08	<0.005	40.6	0.34	90.6
SB-14-24	645313	5771873	Chip sample, sub-outcrop, granodiorite, light green, med, equigranular grained, Original mineral contents similar to above description. Weak chl-ser alteration, locally hem staining. No sulfide minerals observed.						
SB-14-25	645109	5771754	Chip sample, boulder, granodiorite, white- green, med coarse grained, Original mineral contents similar to above descriptions. Moderate ser alteration with veins of chl-carb. No sulfide minerals observed.						
SB-14-26	645000	5771526	Chip sample, sub-outcrop, granodiorite, light green, med grained, Original mineral contents similar to above descriptions. Propylitic alteration, locally hem staining . No sulfide minerals observed.						

Figures

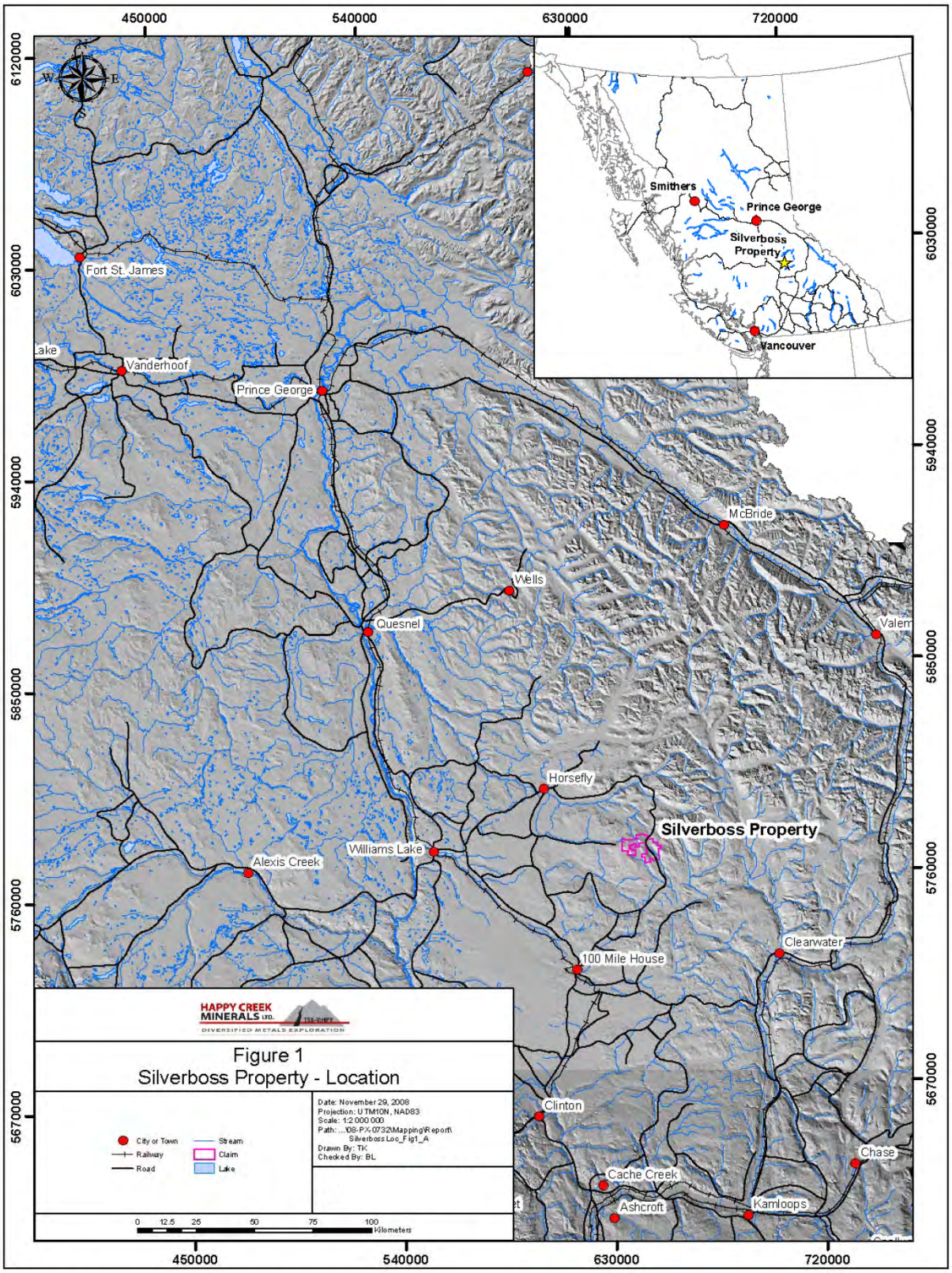
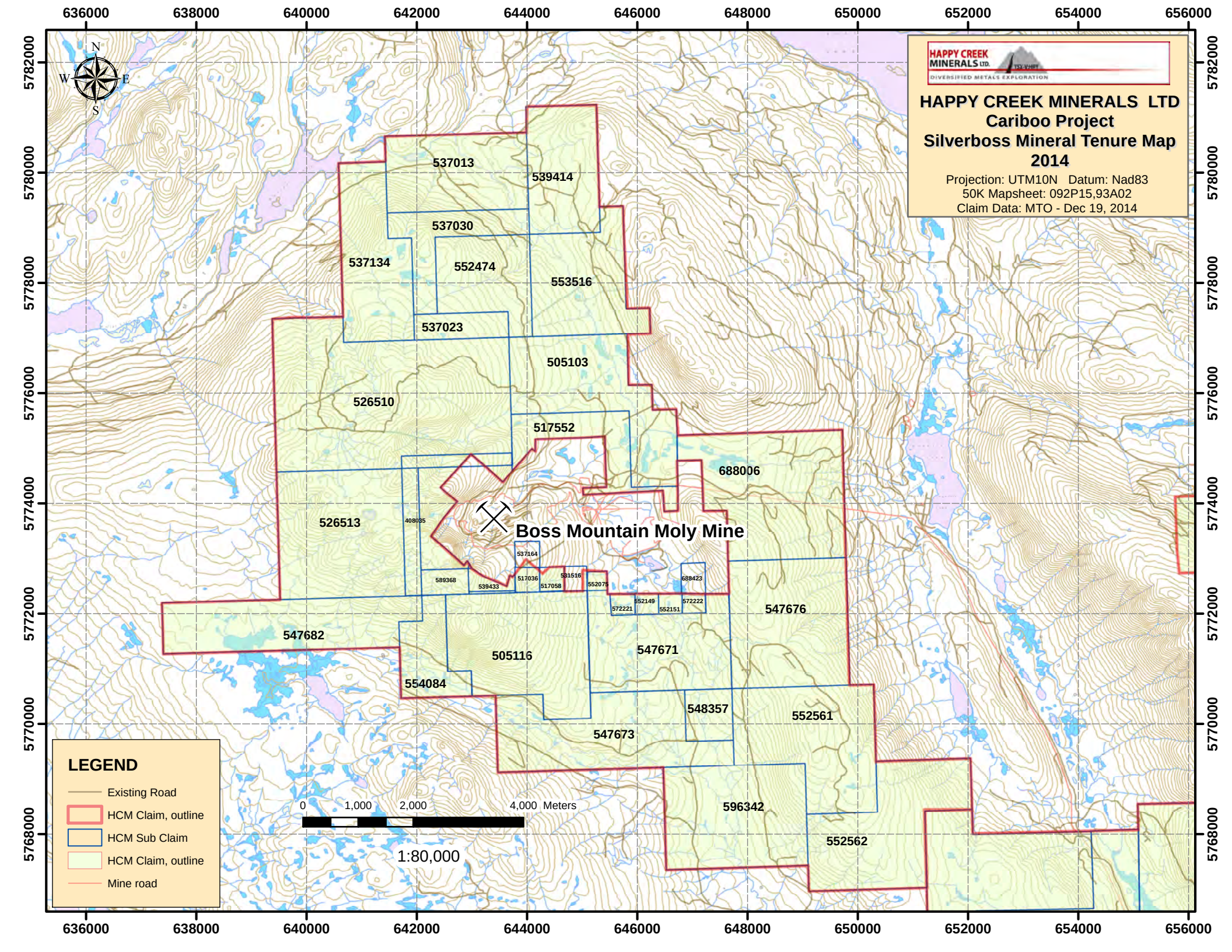


Figure 1: Silverboss Property Location.


HAPPY CREEK MINERALS LTD.
DIVERSIFIED METALS EXPLORATION
HAPPY CREEK MINERALS LTD
Cariboo Project
Silverboss Mineral Tenure Map
2014
Projection: UTM10N Datum: Nad83
50K Mapsheet: 092P15,93A02
Claim Data: MTO - Dec 19, 2014
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553516
537023
505103
526510
517552
688006
526513
408035
Boss Mountain Moly Mine
537164
589368
539433
517036
517058
531516
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688423
572221
552149
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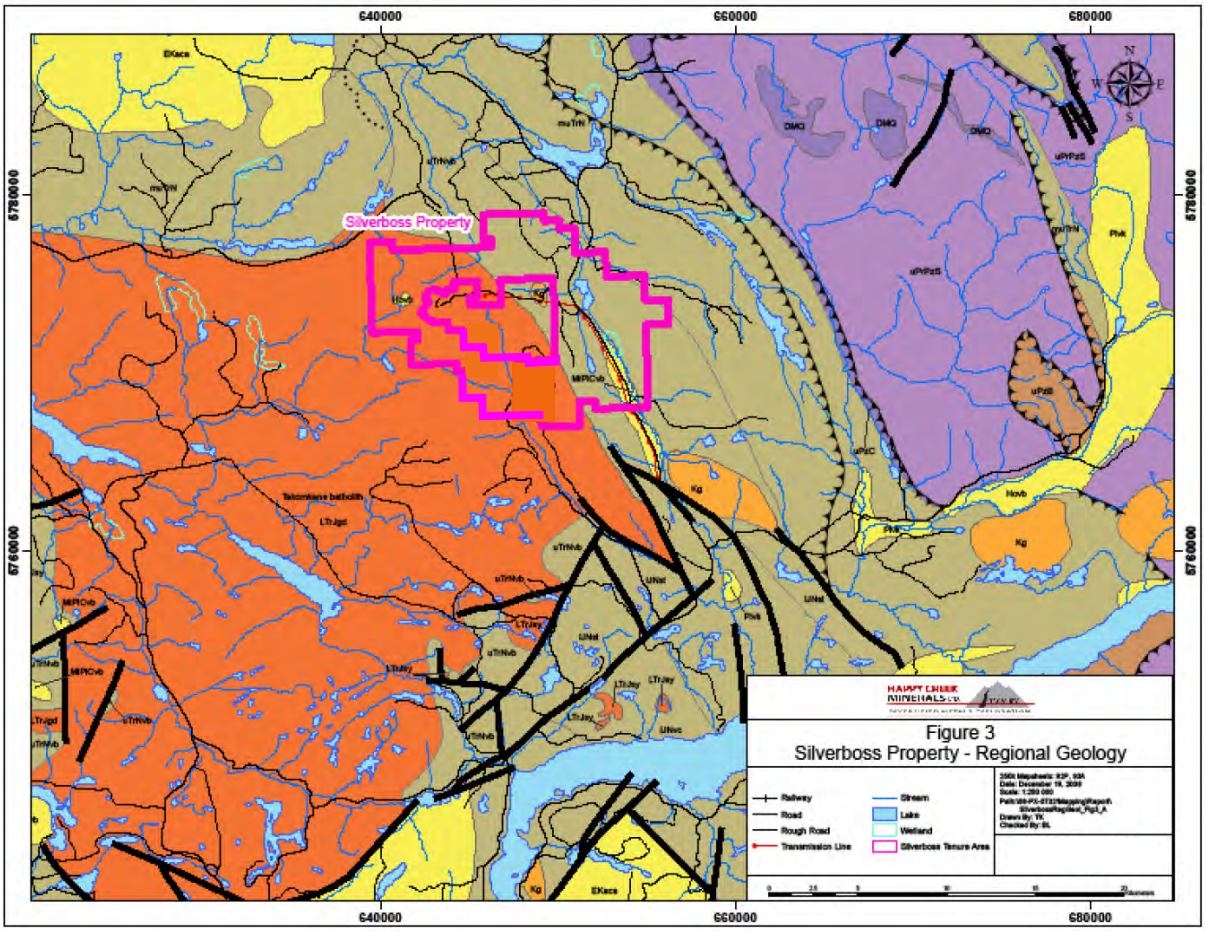
548357
552561
547673
596342
552562
LEGEND
Existing Road
HCM Claim, outline
HCM Sub Claim
HCM Claim, outline
Mine road
0
1,000
2,000
4,000 Meters
1:80,000



Regional Geology

Fault

Normal Fault

Thrust Fault

Stratified Rocks

Cenozoic

Undifferentiated: basaltic volcanic rocks (Hovb, MiPlCvb, Plvk); calc-alkaline volcanic rocks (EKaca)

Middle Triassic to Lower Jurassic

Nicola Group: volcaniclastic rocks (IJNvc); argillite, greywacke conglomerate turbidites (IJNst); basaltic volcanic rocks (uTrNvb); undivided sedimentary rocks (muTrN)

Upper Proterozoic to Upper Paleozoic

Undifferentiated: ultramafic rocks (uPzB); marine sedimentary and volcanic rocks (DPF)

Intrusive Rocks

Late Triassic to Cretaceous

Undifferentiated: undivided (Kg); granodiorite (MJgd)

Late Triassic to Early Jurassic

Unnamed: granodiorite (LTrJgd); syenite to monzonite (LTrJsy)

Metamorphic Rocks

Upper Proterozoic to Paleozoic

Snowshoe Group: undivided (uPrPzS)

Proterozoic to Paleozoic

Undifferentiated: serpentinite (uPzC); orthogneiss (DMQ)

Source: Digital Geology Map of British Columbia, BC Ministry of Energy and Mines, Geofile 2005-2

Figure 3: Regional Geology.

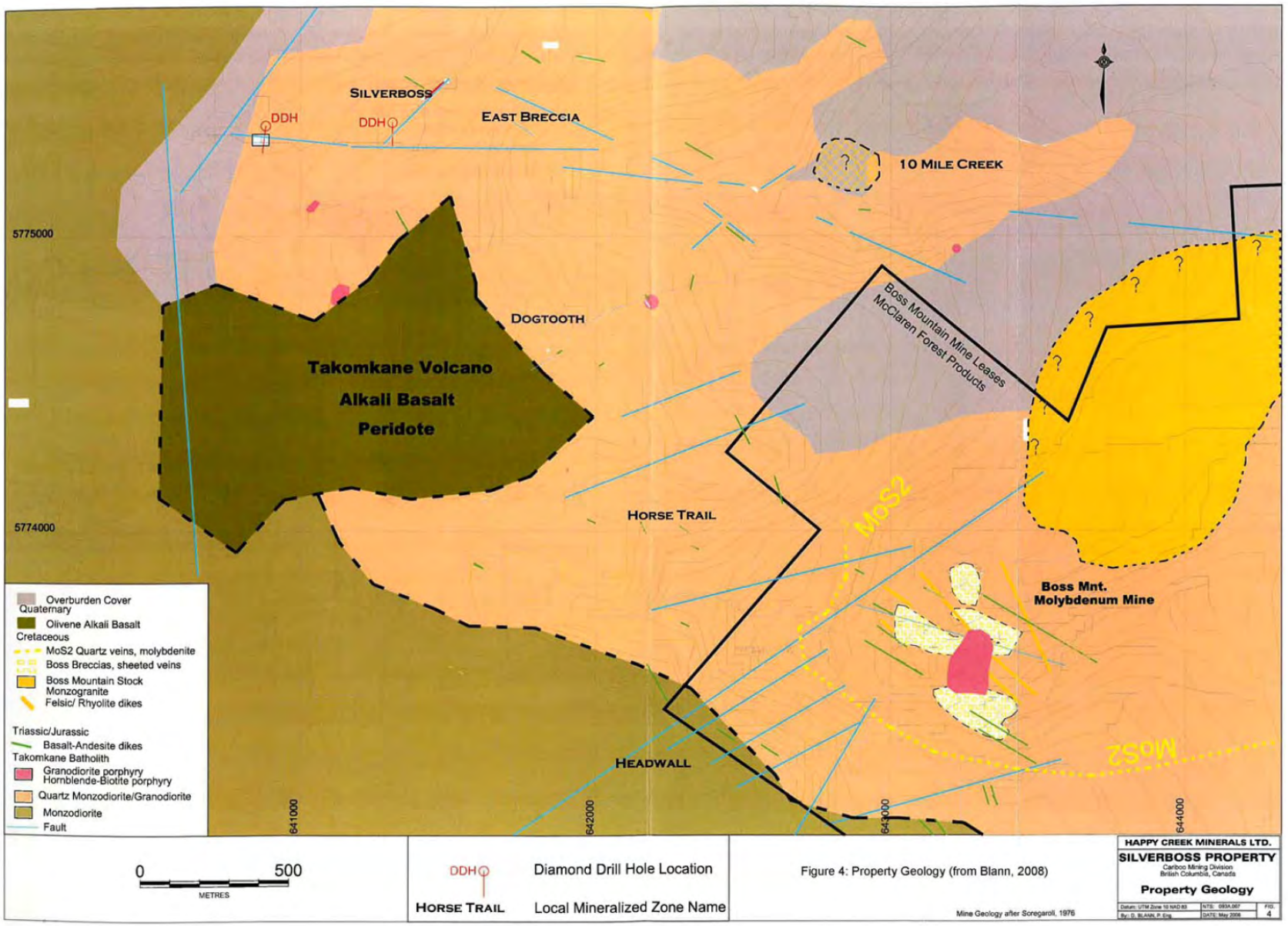
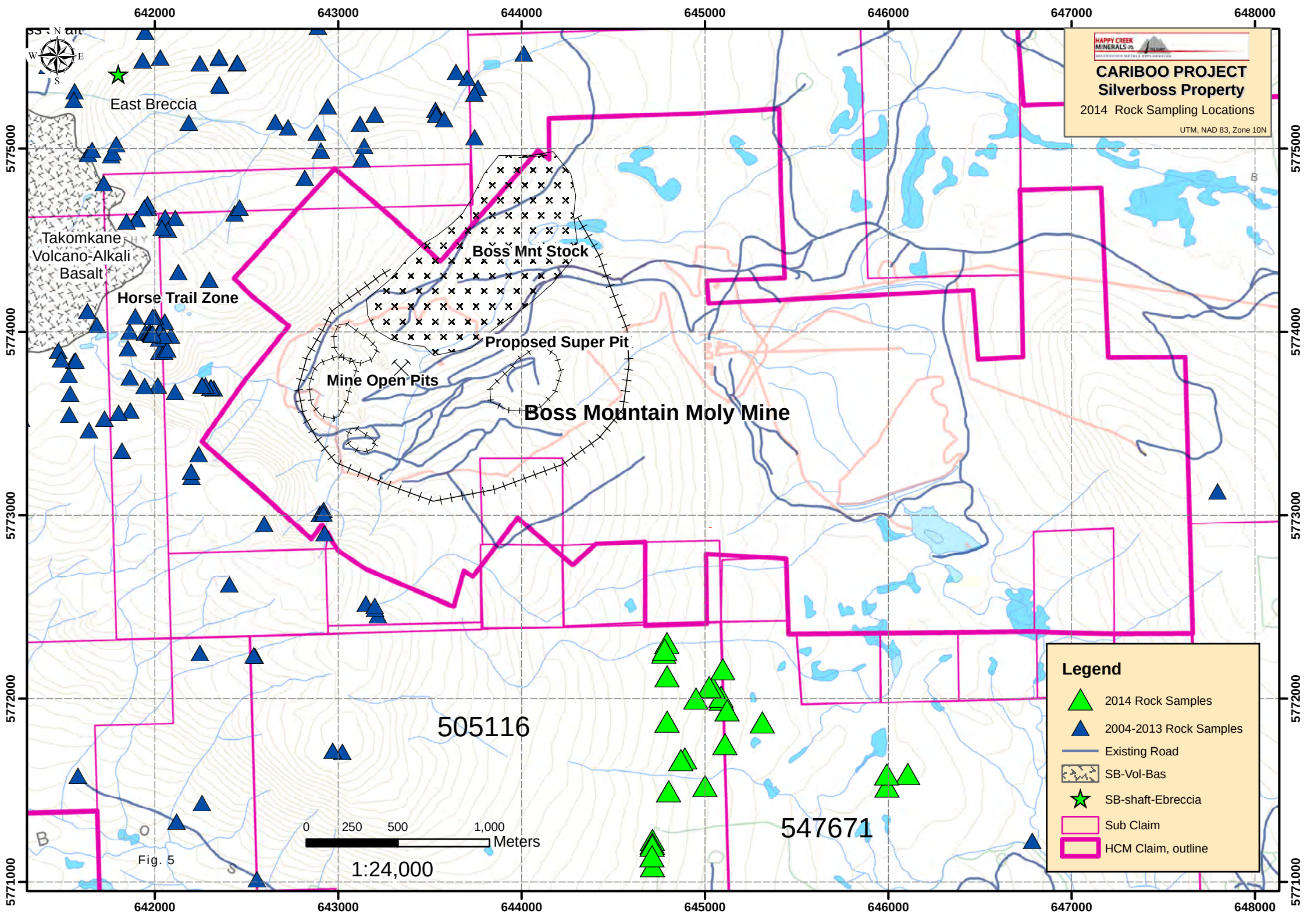


Figure 4. Property Geology


642000
643000
644000
645000
646000
647000
648000
5775000
5774000
5773000
5772000
5771000
CARIBOO PROJECT
Silverboss Property
2014 Rock Sampling Locations
UTM, NAD 83, Zone 10N
East Breccia
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
505116
547671
0 250 500 1,000
Meters
1:24,000
Fig. 5
Legend
2014 Rock Samples
2004-2013 Rock Samples
Existing Road
SB-Vol-Bas
SB-shaft-Ebreccia
Sub Claim
HCM Claim, outline

Boss Mountain Moly Mine

HAPPY CREEK MINERALS LTD. TSX-V:HPY
DIVERSIFIED METALS EXPLORATION

CARIBOO PROJECT
Silverboss Property

Rock Sample Locations and ID
2014

UTM, NAD 83, Zone 10N

644800 645000 645200 645400 645600 645800 646000 646200

5773000 5772800 5772600 5772400 5772200 5772000 5771800 5771600 5771400 5771200 5771000 5770800

SB-14-19
SB-14-21
SB-14-20
SB-14-18
SB-14-23
SB-14-06
SB-14-07
SB-14-08
SB-14-05
SB-14-04
SB-14-09
SB-14-22
SB-14-24
SB-14-25
SB-14-10
SB-14-11
SB-14-03
SB-14-01
SB-14-26
SB-14-12
SB-14-02
SB-14-13
SB-14-14
SB-14-17
SB-14-16

0 125 250 500 Meters

1:6,000

Fig. 6

Legend

- Rock Samples, 2014
- Existing Road
- HCM Claim, outline

Boss Mountain Moly Mine

HAPPY CREEK MINERALS LTD. TSX-V:HPY
DIVERSIFIED METALS EXPLORATION

CARIBOO PROJECT
Silverboss Property

Rock Sample,Copper Assay
2014

UTM, NAD 83, Zone 10N

644800 645000 645200 645400 645600 645800 646000 646200

5773000 5772800 5772600 5772400 5772200 5772000 5771800 5771600 5771400 5771200 5771000 5770800

271 25 69.8 40.6 16 5210 25.2 132 77 4.5 22.9 5.8 22.8 163 135 38.6

0 125 250 500 Meters

1:6,000

Fig. 6a

Legend

2014 Rock Sample
Cu (ppm)

- No Assay
- 0.01 - 50.00
- 50.01 - 200.00
- 200.01 - 5210.00
- Existing Road
- HCM Claim, outline

Boss Mountain Moly Mine

HAPPY CREEK MINERALS LTD. TSX-V:HPY
DIVERSIFIED METALS EXPLORATION

CARIBOO PROJECT
Silverboss Property

Rock Sample, Zinc Assay
2014

UTM, NAD 83, Zone 10N

644800 645000 645200 645400 645600 645800 646000 646200

5773000 5772800 5772600 5772400 5772200 5772000 5771800 5771600 5771400 5771200 5771000 5770800

67.5
67.4
56.1
47.7
90.6
48.9
282
121
159
223
81.6
72.9
67.7
61.6
15.3
53.4

0 125 250 500 Meters

1:6,000

Fig. 6b

Legend

2014 Rock Sample
Zn (ppm)

- No Assay
- 0.01 - 100.00
- 100.01 - 150.00
- 150.01 - 282.00
- Existing Road
- HCM Claim, outline

Boss Mountain Moly Mine

HAPPY CREEK MINERALS LTD. TSX-V:HPY
DIVERSIFIED METALS EXPLORATION

CARIBOO PROJECT
Silverboss Property

Rock Sample,Moly Assay 2014

UTM, NAD 83, Zone 10N

644800 645000 645200 645400 645600 645800 646000 646200

5773000 5772800 5772600 5772400 5772200 5772000 5771800 5771600 5771400 5771200 5771000 5770800

0.35
3.23
1.22
0.34
0.92
8.59
1.42
1.25
0.76
0.82
3.86
0.71
0.52
0.57
0.52
0.43

0 125 250 500 Meters

1:6,000

Fig. 6c

Legend

2014 Rock Sample

Mo (ppm)

- No Assay
- 0.01 - 2.00
- 2.01 - 4.00
- 4.01 - 8.59
- Existing Road
- HCM Claim, outline

Boss Mountain Moly Mine

HAPPY CREEK MINERALS LTD. TSX-V:HPY
DIVERSIFIED METALS EXPLORATION

CARIBOO PROJECT
Silverboss Property

Rock Sample, Silver Assay 2014

UTM, NAD 83, Zone 10N

644800 645000 645200 645400 645600 645800 646000 646200

5773000 5772800 5772600 5772400 5772200 5772000 5771800 5771600 5771400 5771200 5771000 5770800

0.01
0.67
0.13
0.13
0.08
11
0.3
1.34
0.46
0.14
0.49
0.28
0.21
0.16
0.17
0.08

0 125 250 500 Meters

1:6,000

Fig. 6d

Legend

2014 Rock Sample
Ag_ppm

- No Assay
- 0.01 - 0.50
- 0.51 - 2.00
- 2.01 - 11.00
- Existing Road
- HCM Claim, outline

Boss Mountain Moly Mine

HAPPY CREEK MINERALS LTD. TSX-V:HPY
DIVERSIFIED METALS EXPLORATION

CARIBOO PROJECT
Silverboss Property

Rock Sample, Gold Assay
2014

UTM, NAD 83, Zone 10N

644800 645000 645200 645400 645600 645800 646000 646200

5772400 5772200 5772000 5771800 5771600 5771400 5771200 5771000 5770800

5 5 5 5 5 205 5 6 8 5 14 5 5 16 5 5

0 125 250 500 Meters

1:6,000

Fig. e

Legend

2014 Rock Sample
Au (ppb)

- No Assay
- 0.01 - 8.00
- 8.01 - 16.00
- 16.01 - 205.00
- Existing Road
- HCM Claim, outline

Boss Mountain Moly Mine

HAPPY CREEK MINERALS LTD. TSX-V:HPY
DIVERSIFIED METALS EXPLORATION

CARIBOO PROJECT
Silverboss Property

Rock Sample, Tungsten Assay 2014

UTM, NAD 83, Zone 10N

644800 645000 645200 645400 645600 645800 646000 646200

5773000 5772800 5772600 5772400 5772200 5772000 5771800 5771600 5771400 5771200 5771000 5770800

0.43
4.44
0.6
0.42
2.64
3.82
0.62
3.13
3
0.43
0.93
0.95
0.43
0.35
2.34
20.2

0 125 250 500 Meters

1:6,000

Fig. 6f

Legend

2014 Rock Sample
W (ppm)

- No Assay
- 0.01 - 1.00
- 1.01 - 5.00
- 5.01 - 20.20
- Existing Road
- HCM Claim, outline

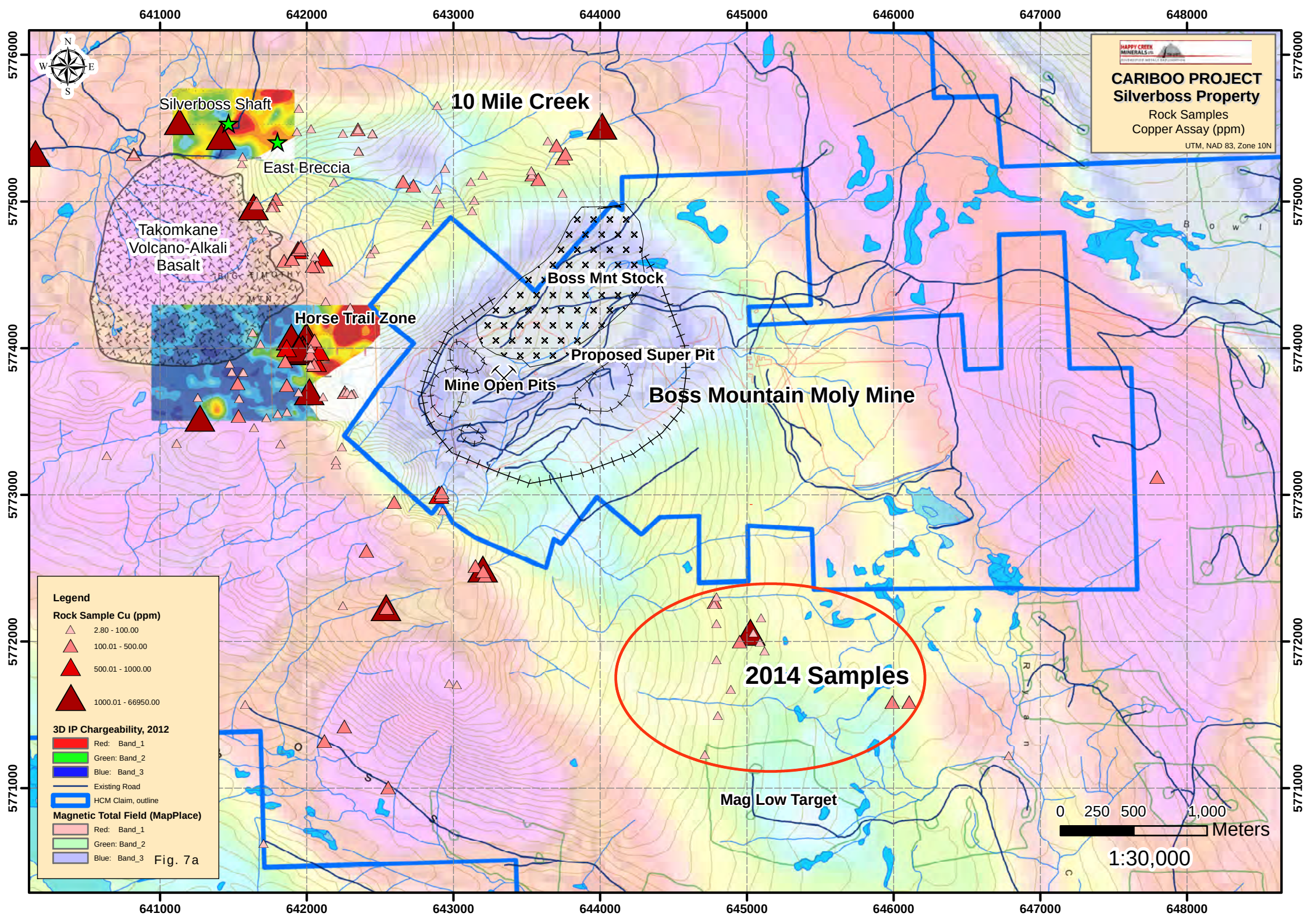

641000
642000
643000
644000
645000
646000
647000
648000
5776000
5775000
5774000
5773000
5772000
5771000
N
W
E
S
CARIBOO PROJECT
Silverboss Property
Rock Samples
Copper Assay (ppm)
UTM, NAD 83, Zone 10N
Silverboss Shaft
East Breccia
10 Mile Creek
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
2014 Samples
Mag Low Target
Legend
Rock Sample Cu (ppm)
2.80 - 100.00
100.01 - 500.00
500.01 - 1000.00
1000.01 - 66950.00
3D IP Chargeability, 2012
Red: Band_1
Green: Band_2
Blue: Band_3
Existing Road
HCM Claim, outline
Magnetic Total Field (MapPlace)
Red: Band_1
Green: Band_2
Blue: Band_3
0 250 500 1,000
Meters
1:30,000

Fig. 7a

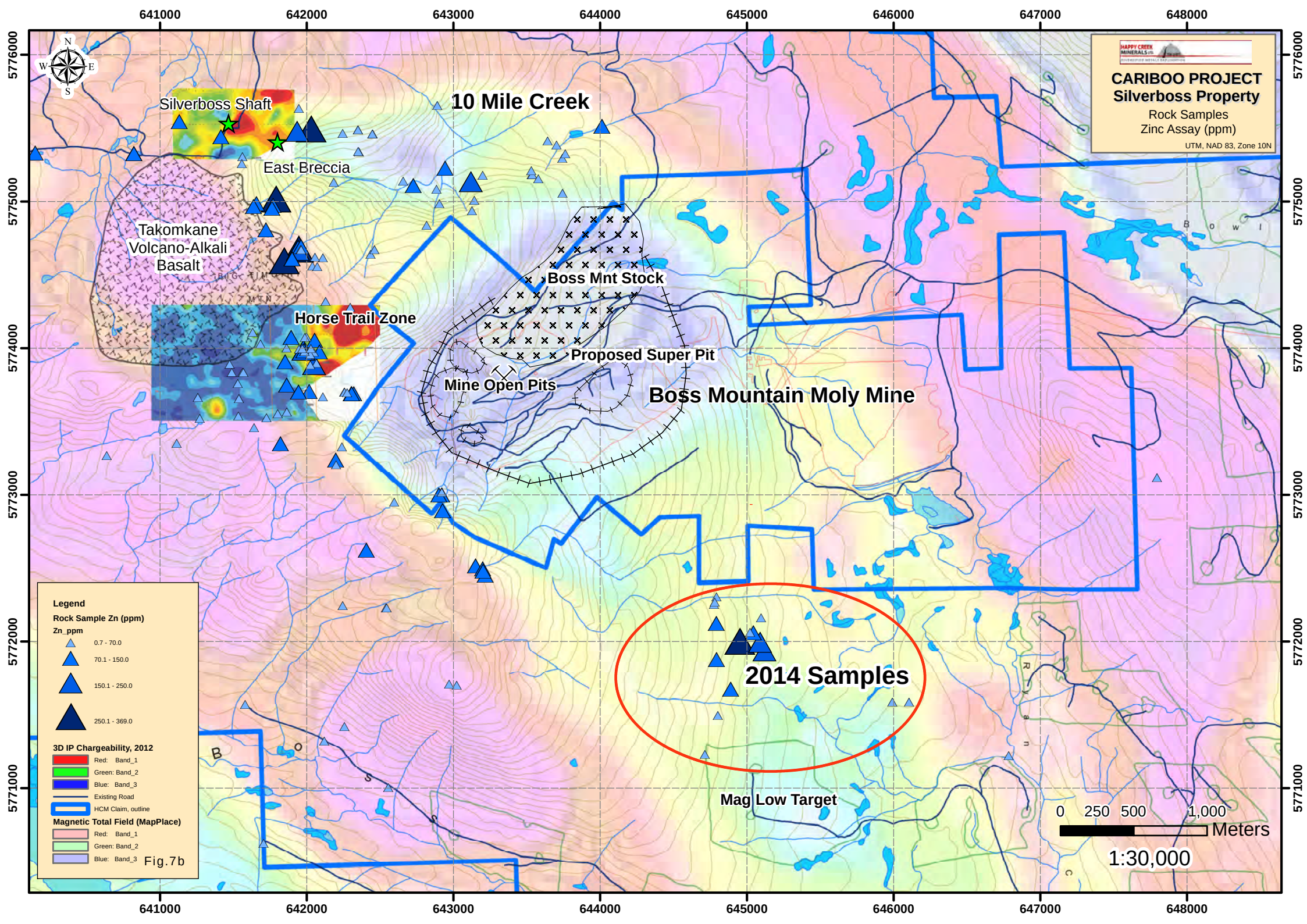
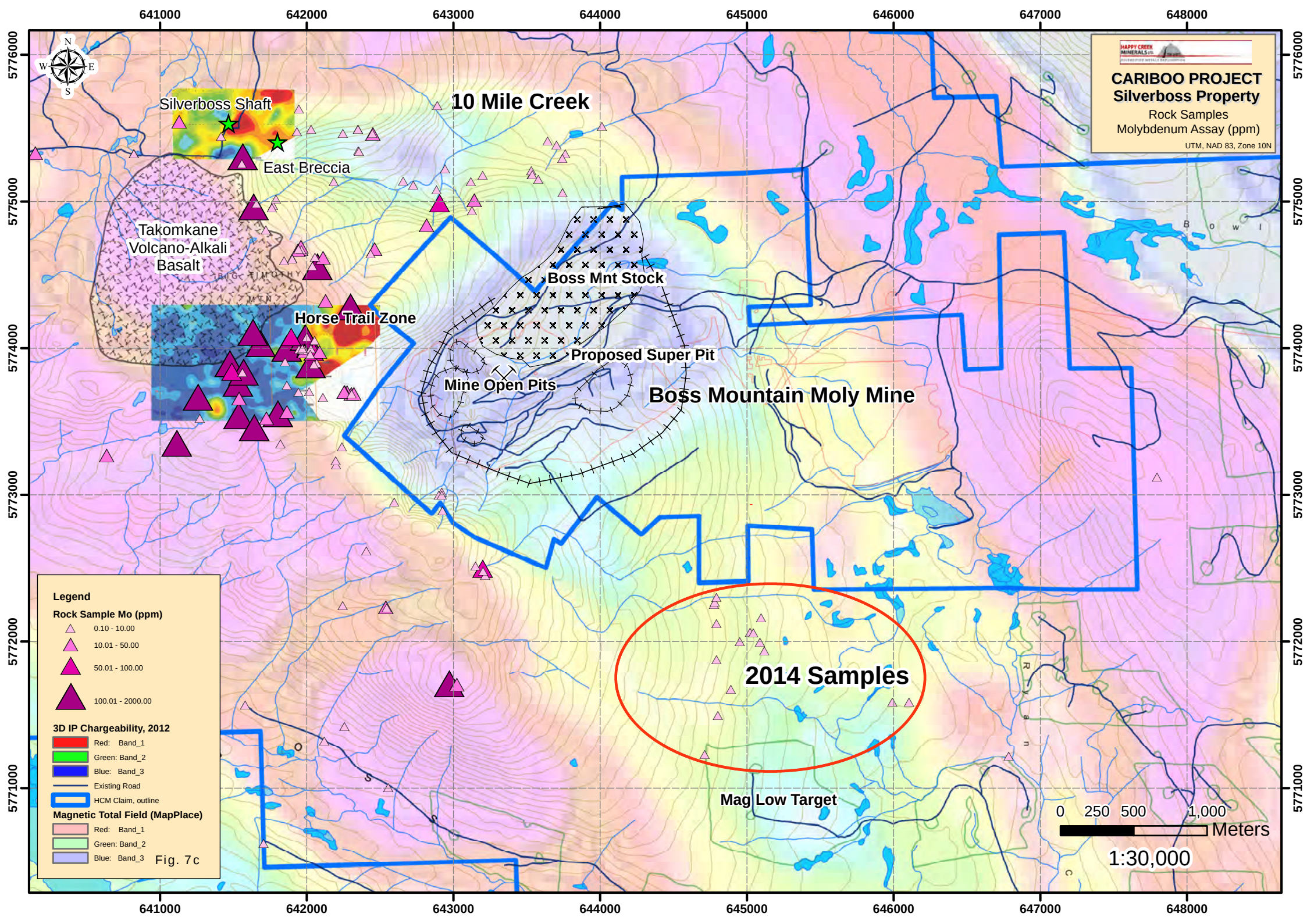

641000
642000
643000
644000
645000
646000
647000
648000
5776000
5775000
5774000
5773000
5772000
5771000
N
W
E
S
CARIBOO PROJECT
Silverboss Property
Rock Samples
Zinc Assay (ppm)
UTM, NAD 83, Zone 10N
Silverboss Shaft
East Breccia
10 Mile Creek
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
2014 Samples
Mag Low Target
Legend
Rock Sample Zn (ppm)
Zn_ppm
0.7 - 70.0
70.1 - 150.0
150.1 - 250.0
250.1 - 369.0
3D IP Chargeability, 2012
Red: Band_1
Green: Band_2
Blue: Band_3
Existing Road
HCM Claim, outline
Magnetic Total Field (MapPlace)
Red: Band_1
Green: Band_2
Blue: Band_3
0 250 500 1,000
Meters
1:30,000

Fig.7b


641000
642000
643000
644000
645000
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647000
648000
5776000
5775000
5774000
5773000
5772000
5771000
CARIBOO PROJECT
Silverboss Property
Rock Samples
Molybdenum Assay (ppm)
UTM, NAD 83, Zone 10N
10 Mile Creek
Silverboss Shaft
East Breccia
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
2014 Samples
Mag Low Target
Legend
Rock Sample Mo (ppm)
0.10 - 10.00
10.01 - 50.00
50.01 - 100.00
100.01 - 2000.00
3D IP Chargeability, 2012
Red: Band_1
Green: Band_2
Blue: Band_3
Existing Road
HCM Claim, outline
Magnetic Total Field (MapPlace)
Red: Band_1
Green: Band_2
Blue: Band_3
0 250 500 1,000
Meters
1:30,000

Fig. 7c

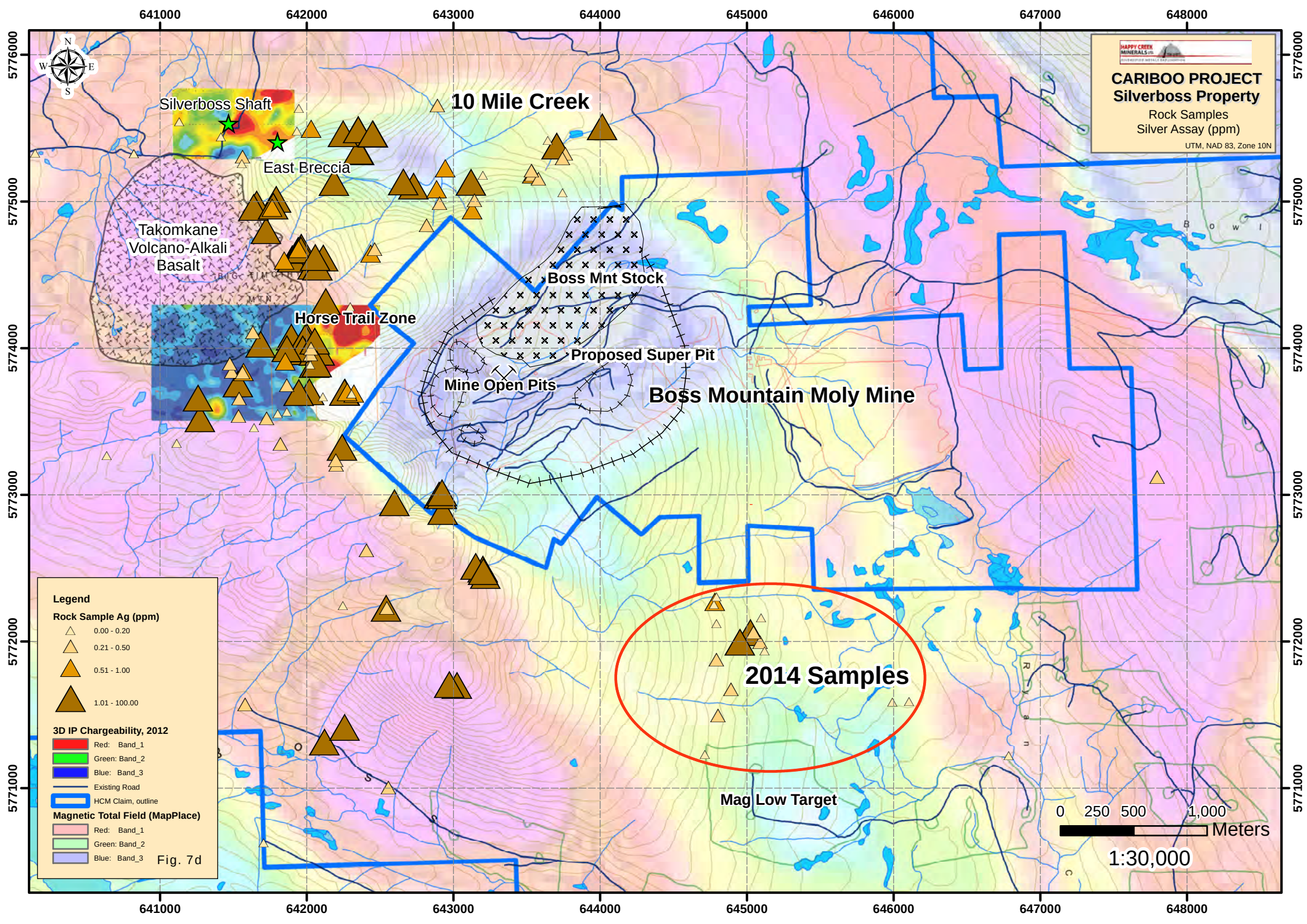
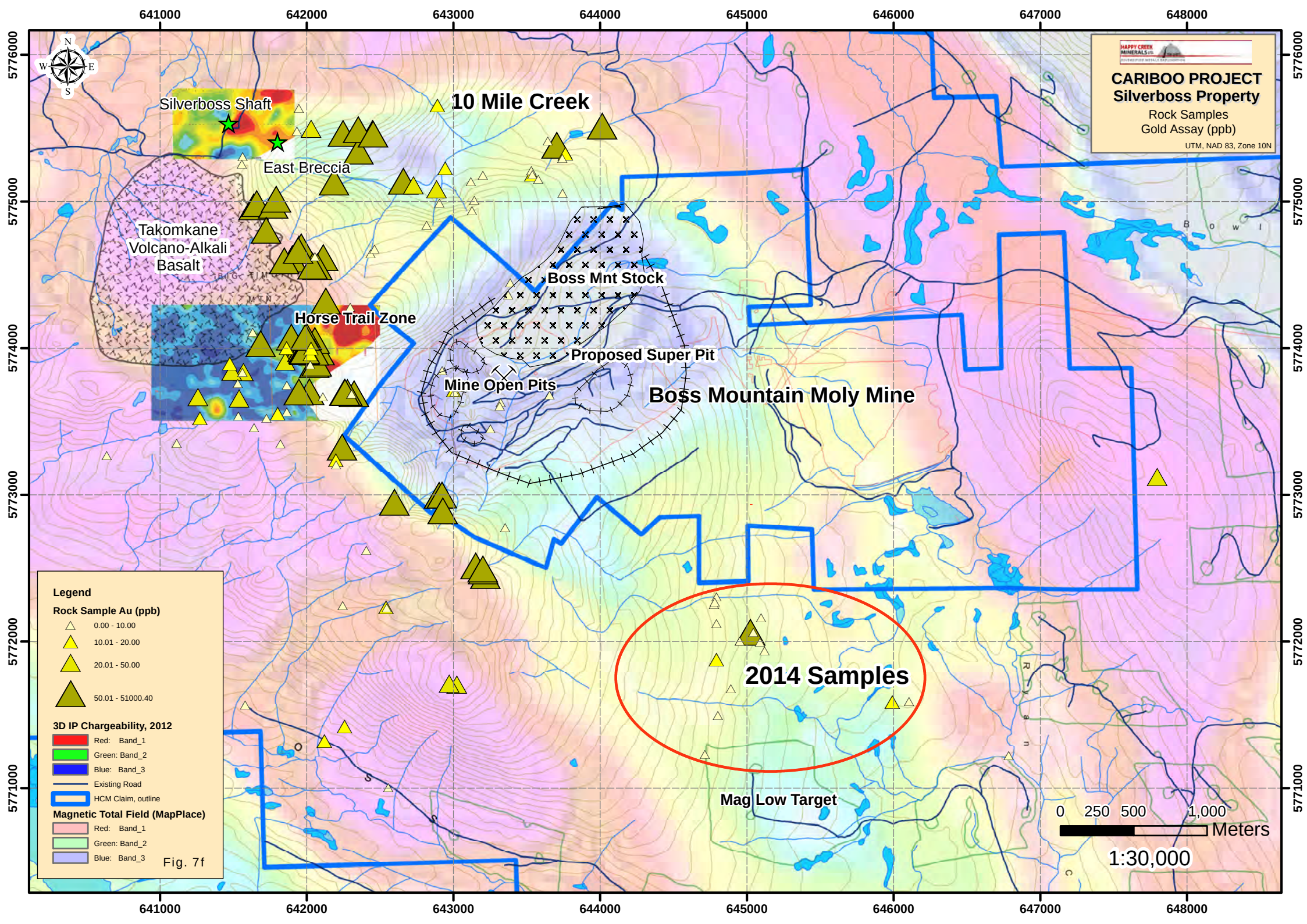

641000
642000
643000
644000
645000
646000
647000
648000
5776000
5775000
5774000
5773000
5772000
5771000
N
W
E
S
CARIBOO PROJECT
Silverboss Property
Rock Samples
Silver Assay (ppm)
UTM, NAD 83, Zone 10N
Silverboss Shaft
East Breccia
10 Mile Creek
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
2014 Samples
Mag Low Target
Legend
Rock Sample Ag (ppm)
0.00 - 0.20
0.21 - 0.50
0.51 - 1.00
1.01 - 100.00
3D IP Chargeability, 2012
Red: Band_1
Green: Band_2
Blue: Band_3
Existing Road
HCM Claim, outline
Magnetic Total Field (MapPlace)
Red: Band_1
Green: Band_2
Blue: Band_3
0 250 500 1,000
Meters
1:30,000

Fig. 7d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642000
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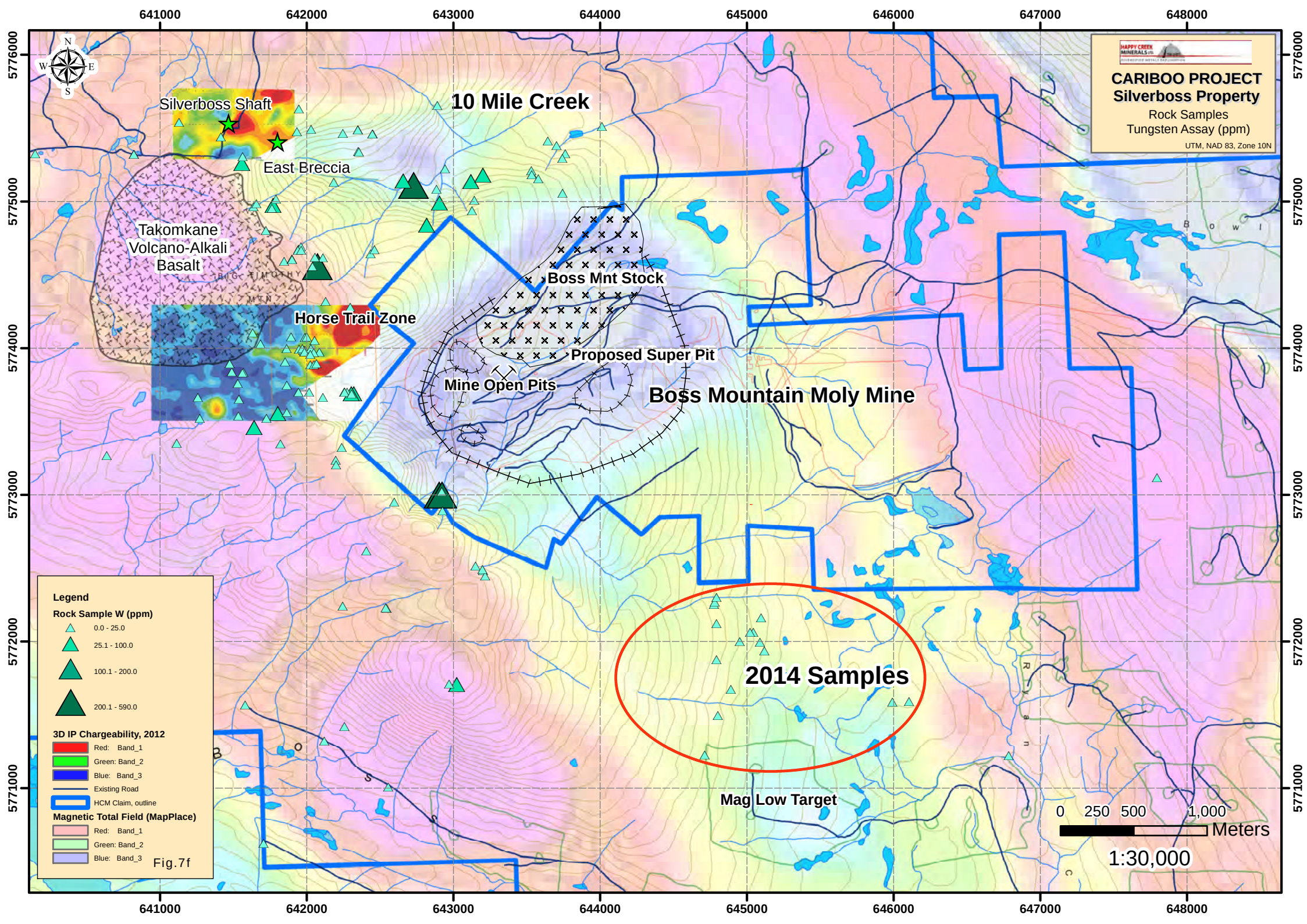
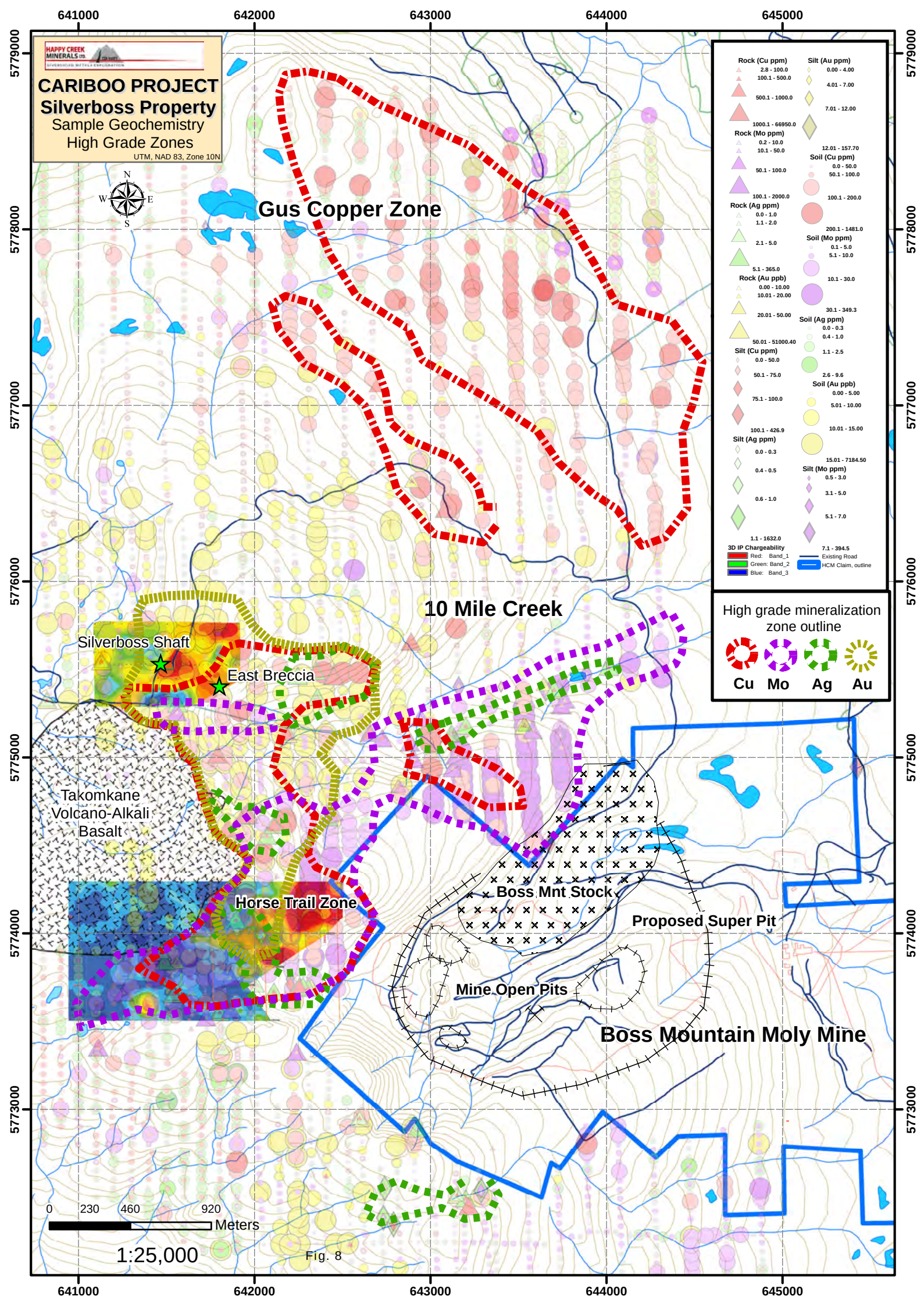
644000
645000
646000
647000
648000
5776000
5775000
5774000
5773000
5772000
5771000
N
W
E
S
CARIBOO PROJECT
Silverboss Property
Rock Samples
Gold Assay (ppb)
UTM, NAD 83, Zone 10N
Silverboss Shaft
East Breccia
10 Mile Creek
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
2014 Samples
Mag Low Target
Legend
Rock Sample Au (ppb)
0.00 - 10.00
10.01 - 20.00
20.01 - 50.00
50.01 - 51000.40
3D IP Chargeability, 2012
Red: Band_1
Green: Band_2
Blue: Band_3
Existing Road
HCM Claim, outline
Magnetic Total Field (MapPlace)
Red: Band_1
Green: Band_2
Blue: Band_3
Fig. 7f
0 250 500 1,000
Meters
1:30,000


641000
642000
643000
644000
645000
646000
647000
648000
5776000
5775000
5774000
5773000
5772000
5771000
N
W
E
S
CARIBOO PROJECT
Silverboss Property
Rock Samples
Tungsten Assay (ppm)
UTM, NAD 83, Zone 10N
10 Mile Creek
Silverboss Shaft
East Breccia
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
2014 Samples
Mag Low Target
Legend
Rock Sample W (ppm)
0.0 - 25.0
25.1 - 100.0
100.1 - 200.0
200.1 - 590.0
3D IP Chargeability, 2012
Red: Band_1
Green: Band_2
Blue: Band_3
Existing Road
HCM Claim, outline
Magnetic Total Field (MapPlace)
Red: Band_1
Green: Band_2
Blue: Band_3
Fig.7f
0 250 500 1,000
Meters
1:30,000


641000
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644000
645000
5779000
5778000
5777000
5776000
5775000
5774000
5773000
HAPPY CREEK MINERALS ltd.
CARIBOO PROJECT
Silverboss Property
Sample Geochemistry
High Grade Zones
UTM, NAD 83, Zone 10N
N
W
E
S
Gus Copper Zone
10 Mile Creek
Silverboss Shaft
East Breccia
Takomkane
Volcano-Alkali
Basalt
Horse Trail Zone
Boss Mnt Stock
Proposed Super Pit
Mine Open Pits
Boss Mountain Moly Mine
Rock (Cu ppm)
2.8 - 100.0
100.1 - 500.0
500.1 - 1000.0
1000.1 - 66950.0
Rock (Mo ppm)
0.2 - 10.0
10.1 - 50.0
50.1 - 100.0
100.1 - 2000.0
Rock (Ag ppm)
0.0 - 1.0
1.1 - 2.0
2.1 - 5.0
5.1 - 365.0
Rock (Au ppb)
0.00 - 10.00
10.01 - 20.00
20.01 - 50.00
50.01 - 51000.40
Silt (Cu ppm)
0.0 - 50.0
50.1 - 75.0
75.1 - 100.0
100.1 - 426.9
Silt (Ag ppm)
0.0 - 0.3
0.4 - 0.5
0.6 - 1.0
1.1 - 1632.0
3D IP Chargeability
Red: Band_1
Green: Band_2
Blue: Band_3
Silt (Au ppm)
0.00 - 4.00
4.01 - 7.00
7.01 - 12.00
12.01 - 157.70
Soil (Cu ppm)
0.0 - 50.0
50.1 - 100.0
100.1 - 200.0
200.1 - 1481.0
Soil (Mo ppm)
0.1 - 5.0
5.1 - 10.0
10.1 - 30.0
30.1 - 349.3
Soil (Ag ppm)
0.0 - 0.3
0.4 - 1.0
1.1 - 2.5
2.6 - 9.6
Soil (Au ppb)
0.00 - 5.00
5.01 - 10.00
10.01 - 15.00
15.01 - 7184.50
Silt (Mo ppm)
0.5 - 3.0
3.1 - 5.0
5.1 - 7.0
7.1 - 394.5
Existing Road
HCM Claim, outline
High grade mineralization zone outline
Cu
Mo
Ag
Au
0
230
460
920
Meters
1:25,000

Fig. 8

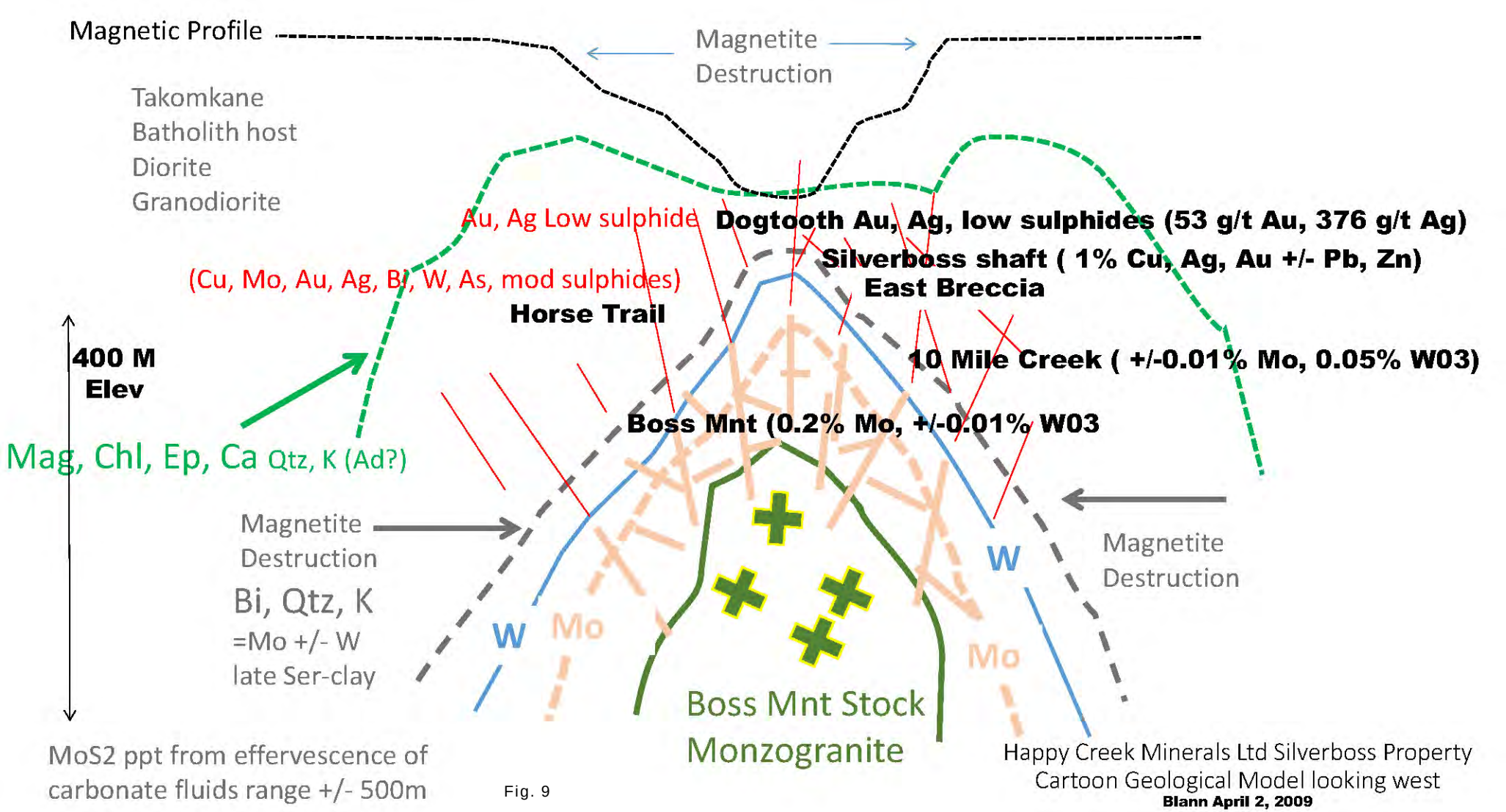

Fig. 9

Happy Creek Minerals Ltd Silverboss Property
Cartoon Geological Model looking west
Blann April 2, 2009

Photos

Photo 1: South of Boss Mountain Mine, look to north.

Photo 2: Access trails in sampling area

Photo 3: Typical boulder in the area

Photo 4: Recent logging and clear cut in area

Appendices

Appendix 1:
Silverboss 2014 Geochemical Analyses of Samples

Sample ID	Sample Lab ID	Ag	Au	Be	Ce	Cs	Cu	Ga	Hf
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SB-14-01	5528982	0.17	<0.005	0.31	9.21	2.44	135	4.13	0.13
SB-14-03	5528983	0.16	0.016	0.28	6.12	0.82	163	7.42	0.11
SB-14-04	5528984	0.46	0.008	0.23	6.35	2.52	77	6.28	0.1
SB-14-06	5528985	0.3	<0.005	0.33	6.93	1.61	25.2	6.68	0.08
SB-14-07	5528986	11	0.205	0.05	4.81	2.95	5210	6.93	0.06
SB-14-08	5528987	1.34	0.006	0.29	5.09	1.97	132	7.25	0.07
SB-14-09	5528988	0.14	<0.005	0.37	2.25	0.07	4.5	2.02	0.04
SB-14-10	5528989	0.28	<0.005	0.35	6.53	3.14	5.8	6.07	0.12
SB-14-12	5528990	0.21	<0.005	0.16	6.71	1.86	22.8	4.57	0.09
SB-14-13	5528991	0.08	<0.005	0.09	9.59	0.42	38.6	7.06	0.05
SB-14-18	5528992	0.13	<0.005	0.31	5.33	2.09	16	6.35	0.08
SB-14-19	5528993	0.01	<0.005	0.18	5.96	0.39	25	4.93	0.1
SB-14-20	5528994	0.13	<0.005	0.22	6.51	6.99	69.8	6.66	0.08
SB-14-21	5528995	0.67	0.005	0.17	6.23	18.3	271	5.95	0.05
SB-14-22	5528996	0.49	0.014	0.35	5.02	1.43	22.9	6.28	0.06
SB-14-23	5528997	0.08	<0.005	0.16	7.13	0.8	40.6	7.98	0.08

Appendix 1:
Silverboss 2014 Geochemical Analyses of Samples

Sample ID	Sample Lab ID	In	La	Li	Mo	Nb	Pb	Rb	Re
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SB-14-01	5528982	0.008	4.2	12.4	0.52	<0.05	1.8	25.6	<0.001
SB-14-03	5528983	0.01	2.7	12.3	0.57	<0.05	5.2	6.4	<0.001
SB-14-04	5528984	0.006	3.1	16.6	0.76	0.06	30.2	18.8	<0.001
SB-14-06	5528985	<0.005	3.7	19.8	1.42	0.08	15	6.6	<0.001
SB-14-07	5528986	0.08	2.6	5.4	8.59	0.09	4.3	5	0.032
SB-14-08	5528987	0.006	2.5	17.7	1.25	0.06	72.2	15.8	<0.001
SB-14-09	5528988	0.011	1	2.2	0.82	<0.05	1.8	0.6	<0.001
SB-14-10	5528989	0.012	3.7	18.8	0.71	0.12	10	29.7	<0.001
SB-14-12	5528990	0.007	3.3	9.7	0.52	0.06	10.5	12.6	<0.001
SB-14-13	5528991	0.006	4.1	14.4	0.43	0.05	3.8	4.6	<0.001
SB-14-18	5528992	0.015	2.8	14.4	0.92	0.11	9.7	14	<0.001
SB-14-19	5528993	0.007	3	21	0.35	0.12	1.2	6.3	<0.001
SB-14-20	5528994	0.023	3.1	14.8	3.23	0.15	2.4	25	<0.001
SB-14-21	5528995	0.017	2.9	20.1	1.22	0.09	1.6	54.3	<0.001
SB-14-22	5528996	0.007	2.6	16	3.86	0.11	11.8	10.1	<0.001
SB-14-23	5528997	0.006	3.8	27.2	0.34	0.1	0.9	8.5	<0.001

Appendix 1:
Silverboss 2014 Geochemical Analyses of Samples

Sample ID	Sample Lab ID	S	Sb	Sc	Se	Sn	Sr	Te	Th
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SB-14-01	5528982	0.272	0.71	4.2	0.2	<0.2	142	0.25	1.3
SB-14-03	5528983	0.022	2.07	4.5	0.3	<0.2	140	0.05	0.5
SB-14-04	5528984	0.149	0.37	2.4	<0.2	0.2	60.4	0.08	1.8
SB-14-06	5528985	0.121	0.29	1.8	<0.2	0.2	54.7	0.04	2
SB-14-07	5528986	5.81	0.49	5.7	8.1	<0.2	51.1	0.54	0.4
SB-14-08	5528987	0.464	0.41	2.5	0.3	0.2	51	0.19	1.4
SB-14-09	5528988	0.024	1.47	6.3	<0.2	<0.2	7.9	0.03	0.2
SB-14-10	5528989	0.213	1.15	2.1	<0.2	0.3	78.2	0.09	2.3
SB-14-12	5528990	0.067	0.34	2.2	<0.2	0.2	40.4	0.03	1
SB-14-13	5528991	0.019	0.37	2.3	<0.2	0.2	134	0.02	1.7
SB-14-18	5528992	0.174	0.47	2.2	<0.2	0.3	160	0.09	1.2
SB-14-19	5528993	0.012	0.57	3	<0.2	<0.2	69.6	<0.01	1.1
SB-14-20	5528994	0.429	0.98	3.2	<0.2	0.3	69.4	0.03	1.2
SB-14-21	5528995	0.199	0.27	3.3	<0.2	0.2	58.8	0.05	0.7
SB-14-22	5528996	0.693	0.5	2.6	<0.2	0.2	37.9	0.29	1.7
SB-14-23	5528997	0.014	0.19	2.8	<0.2	<0.2	24.6	0.02	1.2

Appendix 1:
Silverboss 2014 Geochemical Analyses of Samples

Sample ID	Sample Lab ID	Tl	U	V	W	Y	Zn
		ppm	ppm	ppm	ppm	ppm	ppm
SB-14-01	5528982	0.19	0.52	46.8	20.2	2.58	15.3
SB-14-03	5528983	0.04	0.2	89.7	2.34	5.24	61.6
SB-14-04	5528984	0.16	0.68	76.2	3	5.04	159
SB-14-06	5528985	0.05	0.63	53.5	3.82	5.21	121
SB-14-07	5528986	0.08	0.32	138	0.62	2.55	48.9
SB-14-08	5528987	0.13	0.53	71.6	3.13	4.81	282
SB-14-09	5528988	0.03	1.22	42.3	0.43	1.02	223
SB-14-10	5528989	0.27	0.95	45.7	0.95	5.27	72.9
SB-14-12	5528990	0.12	0.43	79	0.43	5.92	67.7
SB-14-13	5528991	0.01	0.56	228	0.35	7.75	53.4
SB-14-18	5528992	0.17	0.5	57	2.64	4.17	47.7
SB-14-19	5528993	0.05	0.47	55.1	0.43	4.77	67.5
SB-14-20	5528994	0.33	0.6	73.8	4.44	5.06	67.4
SB-14-21	5528995	0.86	0.42	75.7	0.6	4.93	56.1
SB-14-22	5528996	0.08	0.56	58.9	0.93	4.05	81.6
SB-14-23	5528997	0.05	0.58	75.2	0.42	5.39	90.6

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CLIENT NAME: HAPPY CREEK MINERALS LTD.
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ATTENTION TO: DAVID BLANN

PROJECT: SB Project

AGAT WORK ORDER: 14V898197

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Oct 29, 2014

PAGES (INCLUDING COVER): 10

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

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

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Certificate of Analysis

AGAT WORK ORDER: 14V898197

PROJECT: SB Project

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

(201-074) Aqua Regia Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Oct 06, 2014 | DATE RECEIVED: Oct 03, 2014 | DATE REPORTED: Oct 29, 2014 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.1	0.005	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
5528982 (5900585)	0.88	0.17	1.80	2.4	<0.005	<5	183	0.31	0.37	1.88	0.06	9.21	28.8	131
5528983 (5900586)	1.26	0.16	2.56	22.5	0.016	<5	98	0.28	0.05	1.35	0.36	6.12	11.3	19.0
5528984 (5900587)	1.78	0.46	1.60	2.9	0.008	<5	125	0.23	0.13	0.93	1.99	6.35	20.4	18.5
5528985 (5900588)	2.70	0.30	1.62	3.6	<0.005	<5	87	0.33	0.64	1.07	1.33	6.93	7.5	16.2
5528986 (5900589)	0.78	11.0	1.43	49.6	0.205	<5	28	0.05	0.61	0.36	0.17	4.81	428	9.1
5528987 (5900590)	1.20	1.34	2.03	4.0	0.006	<5	117	0.29	0.30	1.13	3.04	5.09	45.0	19.6
5528988 (5900591)	0.50	0.14	0.83	11.6	<0.005	47	41	0.37	0.03	0.05	1.77	2.25	204	1220
5528989 (5900592)	2.76	0.28	1.69	5.6	<0.005	<5	149	0.35	0.21	1.17	0.59	6.53	21.5	23.3
5528990 (5900593)	0.70	0.21	1.14	2.4	<0.005	<5	115	0.16	0.04	0.82	0.73	6.71	12.3	27.6
5528991 (5900594)	0.38	0.08	2.26	3.1	<0.005	<5	108	0.09	0.01	1.37	0.12	9.59	19.3	30.8
5528992 (5900595)	1.26	0.13	1.70	3.2	<0.005	<5	173	0.31	0.16	1.01	0.60	5.33	14.4	15.5
5528993 (5900596)	0.60	0.01	2.01	5.3	<0.005	6	57	0.18	<0.01	0.83	0.11	5.96	15.1	20.4
5528994 (5900597)	0.82	0.13	2.01	3.4	<0.005	<5	104	0.22	0.49	1.09	0.26	6.51	7.3	13.2
5528995 (5900598)	1.14	0.67	2.20	3.4	0.005	<5	547	0.17	0.19	1.03	0.48	6.23	14.7	15.4
5528996 (5900599)	1.54	0.49	1.88	3.8	0.014	<5	71	0.35	0.27	1.47	0.69	5.02	14.1	11.0
5528997 (5900600)	1.38	0.08	2.43	4.4	<0.005	<5	73	0.16	<0.01	0.51	0.08	7.13	17.9	9.7

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14V898197

PROJECT: SB Project

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

(201-074) Aqua Regia Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Oct 06, 2014 | DATE RECEIVED: Oct 03, 2014 | DATE REPORTED: Oct 29, 2014 | SAMPLE TYPE: Rock

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
5528982 (5900585)	2.44	135	2.23	4.13	0.12	0.13	0.01	0.008	0.50	4.2	12.4	1.75	346	0.52
5528983 (5900586)	0.82	163	3.57	7.42	0.17	0.11	<0.01	0.010	0.18	2.7	12.3	1.87	888	0.57
5528984 (5900587)	2.52	77.0	2.73	6.28	0.13	0.10	<0.01	0.006	0.38	3.1	16.6	0.85	811	0.76
5528985 (5900588)	1.61	25.2	2.36	6.68	0.13	0.08	<0.01	<0.005	0.11	3.7	19.8	0.53	887	1.42
5528986 (5900589)	2.95	5210	12.1	6.93	0.23	0.06	0.07	0.080	0.14	2.6	5.4	0.68	502	8.59
5528987 (5900590)	1.97	132	2.68	7.25	0.13	0.07	<0.01	0.006	0.30	2.5	17.7	0.76	890	1.25
5528988 (5900591)	0.07	4.5	5.74	2.02	0.29	0.04	<0.01	0.011	<0.01	1.0	2.2	20.2	2450	0.82
5528989 (5900592)	3.14	5.8	2.03	6.07	0.14	0.12	<0.01	0.012	0.46	3.7	18.8	0.96	832	0.71
5528990 (5900593)	1.86	22.8	2.46	4.57	0.13	0.09	0.02	0.007	0.28	3.3	9.7	0.89	561	0.52
5528991 (5900594)	0.42	38.6	4.15	7.06	0.14	0.05	<0.01	0.006	0.10	4.1	14.4	0.89	557	0.43
5528992 (5900595)	2.09	16.0	2.30	6.35	0.14	0.08	<0.01	0.015	0.23	2.8	14.4	0.57	508	0.92
5528993 (5900596)	0.39	25.0	2.57	4.93	0.13	0.10	<0.01	0.007	0.10	3.0	21.0	1.32	762	0.35
5528994 (5900597)	6.99	69.8	2.70	6.66	0.15	0.08	<0.01	0.023	0.37	3.1	14.8	1.06	817	3.23
5528995 (5900598)	18.3	271	2.64	5.95	0.14	0.05	<0.01	0.017	0.92	2.9	20.1	1.52	680	1.22
5528996 (5900599)	1.43	22.9	2.61	6.28	0.11	0.06	<0.01	0.007	0.17	2.6	16.0	0.81	973	3.86
5528997 (5900600)	0.80	40.6	3.96	7.98	0.13	0.08	<0.01	0.006	0.12	3.8	27.2	1.81	1270	0.34

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AGAT WORK ORDER: 14V898197

PROJECT: SB Project

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

(201-074) Aqua Regia Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Oct 06, 2014 | DATE RECEIVED: Oct 03, 2014 | DATE REPORTED: Oct 29, 2014 | SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
5528982 (5900585)	0.10	<0.05	124	845	1.8	25.6	<0.001	0.272	0.71	4.2	0.2	<0.2	142	<0.01
5528983 (5900586)	0.03	<0.05	16.0	1360	5.2	6.4	<0.001	0.022	2.07	4.5	0.3	<0.2	140	<0.01
5528984 (5900587)	0.13	0.06	4.8	697	30.2	18.8	<0.001	0.149	0.37	2.4	<0.2	0.2	60.4	<0.01
5528985 (5900588)	0.15	0.08	1.6	670	15.0	6.6	<0.001	0.121	0.29	1.8	<0.2	0.2	54.7	<0.01
5528986 (5900589)	0.08	0.09	22.3	842	4.3	5.0	0.032	5.81	0.49	5.7	8.1	<0.2	51.1	<0.01
5528987 (5900590)	0.20	0.06	3.6	666	72.2	15.8	<0.001	0.464	0.41	2.5	0.3	0.2	51.0	<0.01
5528988 (5900591)	0.04	<0.05	1220	67	1.8	0.6	<0.001	0.024	1.47	6.3	<0.2	<0.2	7.9	<0.01
5528989 (5900592)	0.11	0.12	5.2	785	10.0	29.7	<0.001	0.213	1.15	2.1	<0.2	0.3	78.2	<0.01
5528990 (5900593)	0.10	0.06	19.9	760	10.5	12.6	<0.001	0.067	0.34	2.2	<0.2	0.2	40.4	<0.01
5528991 (5900594)	0.11	0.05	11.3	1210	3.8	4.6	<0.001	0.019	0.37	2.3	<0.2	0.2	134	<0.01
5528992 (5900595)	0.09	0.11	3.6	657	9.7	14.0	<0.001	0.174	0.47	2.2	<0.2	0.3	160	<0.01
5528993 (5900596)	0.04	0.12	4.1	803	1.2	6.3	<0.001	0.012	0.57	3.0	<0.2	<0.2	69.6	<0.01
5528994 (5900597)	0.13	0.15	3.6	893	2.4	25.0	<0.001	0.429	0.98	3.2	<0.2	0.3	69.4	<0.01
5528995 (5900598)	0.13	0.09	3.5	940	1.6	54.3	<0.001	0.199	0.27	3.3	<0.2	0.2	58.8	<0.01
5528996 (5900599)	0.13	0.11	1.6	790	11.8	10.1	<0.001	0.693	0.50	2.6	<0.2	0.2	37.9	<0.01
5528997 (5900600)	0.04	0.10	3.8	906	0.9	8.5	<0.001	0.014	0.19	2.8	<0.2	<0.2	24.6	<0.01

Certified By: Ron Cardinall

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AGAT WORK ORDER: 14V898197

PROJECT: SB Project

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

(201-074) Aqua Regia Digest - Metals Package, ICP/ICP-MS finish

DATE SAMPLED: Oct 06, 2014 | DATE RECEIVED: Oct 03, 2014 | DATE REPORTED: Oct 29, 2014 | SAMPLE TYPE: Rock

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.01	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
5528982 (5900585)	0.25	1.3	0.075	0.19	0.52	46.8	20.2	2.58	15.3	3.0
5528983 (5900586)	0.05	0.5	0.164	0.04	0.20	89.7	2.34	5.24	61.6	2.3
5528984 (5900587)	0.08	1.8	0.138	0.16	0.68	76.2	3.00	5.04	159	1.4
5528985 (5900588)	0.04	2.0	0.080	0.05	0.63	53.5	3.82	5.21	121	0.9
5528986 (5900589)	0.54	0.4	0.133	0.08	0.32	138	0.62	2.55	48.9	1.1
5528987 (5900590)	0.19	1.4	0.112	0.13	0.53	71.6	3.13	4.81	282	0.8
5528988 (5900591)	0.03	0.2	0.011	0.03	1.22	42.3	0.43	1.02	223	1.6
5528989 (5900592)	0.09	2.3	0.128	0.27	0.95	45.7	0.95	5.27	72.9	1.4
5528990 (5900593)	0.03	1.0	0.139	0.12	0.43	79.0	0.43	5.92	67.7	1.4
5528991 (5900594)	0.02	1.7	0.123	0.01	0.56	228	0.35	7.75	53.4	1.0
5528992 (5900595)	0.09	1.2	0.112	0.17	0.50	57.0	2.64	4.17	47.7	1.1
5528993 (5900596)	<0.01	1.1	0.124	0.05	0.47	55.1	0.43	4.77	67.5	1.6
5528994 (5900597)	0.03	1.2	0.143	0.33	0.60	73.8	4.44	5.06	67.4	1.2
5528995 (5900598)	0.05	0.7	0.182	0.86	0.42	75.7	0.60	4.93	56.1	0.8
5528996 (5900599)	0.29	1.7	0.080	0.08	0.56	58.9	0.93	4.05	81.6	0.7
5528997 (5900600)	0.02	1.2	0.123	0.05	0.58	75.2	0.42	5.39	90.6	1.3

Comments: RDL - Reported Detection Limit

Certified By: Ron Cardinall

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Quality Assurance - Replicate

AGAT WORK ORDER: 14V898197

PROJECT: SB Project

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

(201-074) Aqua Regia Digest - Metals Package, ICP/ICP-MS finish

	REPLICATE #1															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	5900600	0.08	0.04													
Al	5900600	2.43	2.38	2.1%												
As	5900600	4.4	4.4	0.0%												
Au	5900600	< 0.005	< 0.005	0.0%												
B	5900600	< 5	< 5	0.0%												
Ba	5900600	73	74	1.4%												
Be	5900600	0.16	0.16	0.0%												
Bi	5900600	< 0.01	< 0.01	0.0%												
Ca	5900600	0.510	0.502	1.6%												
Cd	5900600	0.08	0.08	0.0%												
Ce	5900600	7.13	7.14	0.1%												
Co	5900600	17.9	17.7	1.1%												
Cr	5900600	9.7	9.5	2.1%												
Cs	5900600	0.797	0.788	1.1%												
Cu	5900600	40.6	40.2	1.0%												
Fe	5900600	3.96	3.88	2.0%												
Ga	5900600	7.98	7.99	0.1%												
Ge	5900600	0.13	0.13	0.0%												
Hf	5900600	0.08	0.08	0.0%												
Hg	5900600	< 0.01	< 0.01	0.0%												
In	5900600	0.006	0.006	0.0%												
K	5900600	0.115	0.112	2.6%												
La	5900600	3.8	3.8	0.0%												
Li	5900600	27.2	27.1	0.4%												
Mg	5900600	1.81	1.77	2.2%												
Mn	5900600	1270	1250	1.6%												
Mo	5900600	0.34	0.32	6.1%												
Na	5900600	0.04	0.04	0.0%												
Nb	5900600	0.10	0.10	0.0%												
Ni	5900600	3.8	3.8	0.0%												
P	5900600	906	872	3.8%												

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Pb	5900600	0.92	0.95	3.2%												
Rb	5900600	8.47	8.31	1.9%												
Re	5900600	< 0.001	< 0.001	0.0%												
S	5900600	0.0141	0.0159	12.0%												
Sb	5900600	0.192	0.196	2.1%												
Sc	5900600	2.8	2.8	0.0%												
Se	5900600	< 0.2	< 0.2	0.0%												
Sn	5900600	< 0.2	< 0.2	0.0%												
Sr	5900600	24.6	24.4	0.8%												
Ta	5900600	< 0.01	< 0.01	0.0%												
Te	5900600	0.02	< 0.01													
Th	5900600	1.2	1.2	0.0%												
Ti	5900600	0.123	0.121	1.6%												
Tl	5900600	0.05	0.05	0.0%												
U	5900600	0.58	0.58	0.0%												
V	5900600	75.2	73.6	2.2%												
W	5900600	0.418	0.426	1.9%												
Y	5900600	5.39	5.36	0.6%												
Zn	5900600	90.6	88.5	2.3%												
Zr	5900600	1.3	1.3	0.0%												

AGAT Laboratories

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 14V898197

PROJECT: SB Project

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

(201-074) Aqua Regia Digest - Metals Package, ICP/ICP-MS finish

	CRM #1 (ref.CFRM-100)				CRM #2 (ref.CFRM-100)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Co	180	192	107%	90% - 110%	180	189	105%	90% - 110%								
Cu	3494	3289	94%	90% - 110%	3494	3342	96%	90% - 110%								
Ni	2985	2726	91%	90% - 110%	2985	2730	91%	90% - 110%								

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Method Summary

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PROJECT: SB Project

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SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12017		ICP-MS
Al	MIN-200-12017		ICP/OES
As	MIN-200-12017		ICP-MS
Au	MIN-200-12017		ICP-MS
B	MIN-200-12017		ICP/OES
Ba	MIN-200-12017		ICP-MS
Be	MIN-200-12017		ICP-MS
Bi	MIN-200-12017		ICP-MS
Ca	MIN-200-12017		ICP/OES
Cd	MIN-200-12017		ICP-MS
Ce	MIN-200-12017		ICP-MS
Co	MIN-200-12017		ICP-MS
Cr	MIN-200-12017		ICP/OES
Cs	MIN-200-12017		ICP-MS
Cu	MIN-200-12017		ICP-MS
Fe	MIN-200-12017		ICP/OES
Ga	MIN-200-12017		ICP-MS
Ge	MIN-200-12017		ICP-MS
Hf	MIN-200-12017		ICP-MS
Hg	MIN-200-12017		ICP-MS
In	MIN-200-12017		ICP-MS
K	MIN-200-12017		ICP/OES
La	MIN-200-12017		ICP-MS
Li	MIN-200-12017		ICP-MS
Mg	MIN-200-12017		ICP/OES
Mn	MIN-200-12017		ICP/OES
Mo	MIN-200-12017		ICP-MS
Na	MIN-200-12017		ICP/OES
Nb	MIN-200-12017		ICP-MS
Ni	MIN-200-12017		ICP-MS
P	MIN-200-12017		ICP/OES
Pb	MIN-200-12017		ICP-MS
Rb	MIN-200-12017		ICP-MS
Re	MIN-200-12017		ICP-MS
S	MIN-200-12017		ICP/OES
Sb	MIN-200-12017		ICP-MS
Sc	MIN-200-12017		ICP-MS
Se	MIN-200-12017		ICP-MS
Sn	MIN-200-12017		ICP-MS
Sr	MIN-200-12017		ICP-MS
Ta	MIN-200-12017		ICP-MS
Te	MIN-200-12017		ICP-MS
Th	MIN-200-12017		ICP-MS
Ti	MIN-200-12017		ICP/OES
Tl	MIN-200-12017		ICP-MS
U	MIN-200-12017		ICP-MS
V	MIN-200-12017		ICP/OES
W	MIN-200-12017		ICP-MS

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Method Summary

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AGAT WORK ORDER: 14V898197

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SAMPLING SITE:

SAMPLED BY:

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