

**ASSESSMENT REPORT OF  
ROCK AND SILT SAMPLING AND DIAMOND DRILLING**

**on the**

**FOX PROPERTY**

**Permit Number: MX-4-453**

**Event Number: 5158005**

**BC Geological Survey  
Assessment Report  
32762**

**Cariboo Mining Division  
British Columbia**

**BCGS Map sheet: 093A.008 and 092P.098**

**Latitude: 52° 03'06" N**

**Longitude: 120° 29' 37" W**

**Prepared for**

**HAPPY CREEK MINERALS LTD.**

**#460-789 W Pender St**

**Vancouver, BC, V6C 1H2**

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**February 14 , 2012**



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE:** A REPORT ON DRILLING, ROCK AND SILT GEOCHEMISTRY ON THE FOX PROPERTY

**TOTAL COST:** \$ 393,116.49

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

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**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):** correspondence file # 14675-20/1620134 (July 19, 2011 , 2010)

**STATEMENT OF WORK EVENT NUMBER(S)/DATE(S ):** 5158005  
2011/Dec/22

**PROPERTY NAME:** FOX

**CLAIM NAMES** (on which work was done): 554336,546271, 534863,559265, 523003, 514263

**COMMODITIES SOUGHT:** Tungsten, Moly

**MINFILE NUMBERS:** 1620134 (Mine No.)

**MINING DIVISION:** Cariboo and Clinton

**NTS / BCGS:**

**LATITUDE:** 52° 04' 79" N, **LONGITUDE:** 120° 52' 00" W (at centre of work)

**UTM:** East: 669,000; 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

**MAILING ADDRESS:** Same as above

**REPORT KEYWORDS:** The Fox property is underlain primarily by Late Proterozoic to Early Paleozoic metasediment of the Snowshoe Group and comprised of quartz-biotite-muscovite schist, gneiss, limestone-marble, skarn and calc-silicate. The metasediment are intruded by the quartz monzonite to granite, Middle Cretaceous in age, along with numerous dykes and sills of aplite, alaskite and vein-dikes and pegmatite composition. Bedding-parallel skarn and calc-silicate rocks host scheelite (tungsten) and lesser molybdenite mineralization along with pyrite, pyrrhotite, sphalerite and chalcopyrite.

**PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:**  
27886,28982,30824.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL -CONSULTING</b>			<b>\$87,054.96</b>
Ground sampling , mapping, prospecting, GIS, Planning	0		
Core splitting, Drill pad setup	0		
<b>GEOPHYSICAL (line-kilometres)</b>	0		
Induced Polarization	2375m	523003	<b>\$47,519.67</b>
<b>GEOCHEMICAL</b>			
Soil +silt	14 samples	554336,546271, 534863,559265	
Rock	13samples	514263	
Drill field Supply	0		<b>\$4,849.15</b>
<b>DRILLING (total metres, number of holes, size, storage location)</b>	BQ 10 holes Stored in sea container on site	523003	<b>\$44,539.85</b>
Core	415.4m	523003	
Drill support, Helicopter	0	523003	<b>\$146,526.42</b>
<b>RELATED TECHNICAL</b>			
Sampling / Assaying			<b>\$6,043.93</b>
Travel & Accommodation	0		<b>\$35,012.89</b>
Field- Food	0		<b>\$10,335.98</b>
Report Preparation, drafting	0		<b>\$4,500</b>
Communications	0		<b>\$6,733.64</b>
Total Cost			<b>\$ 393,116.49</b>

## **SUMMARY**

The Fox property is located approximately 30 kilometres east of the past producing Boss Mountain molybdenum mine and 75 kilometres northeast of 100 Mile House in south-central British Columbia. The property is comprised of 31 contiguous MTO claim cells that cover an area of 13,788 hectares in the Cariboo Mining Division. All tenures are 100% owned by Happy Creek Mineral Ltd.

The property is underlain by Snowshoe Group metasedimentary rocks, Late Proterozoic to Early Paleozoic in age, and consists of quartz-biotite-muscovite schist and lesser intercalated gneiss, limestone-marble, skarn and calc-silicate. The metasediments are intruded by the Deception stock, quartz monzonite to granite in composition and middle Cretaceous in age. The stock and surrounding metasediment are cut by dykes and sills of aplite, alaskite and pegmatite composition. A large hornfels zone within the metasediments occurs, and bedding-parallel skarn and calc-silicate rocks occur within a package approximately 100 to 150 metres in thickness. These zones host significant tungsten and lesser molybdenite mineralization at the south (Nightcrawler-Discovery zone) and north (Ridley Creek) sides of the Deception stock.

In 2005 Happy Creek Minerals Ltd. acquired the property and between 2007 and 2010 the company completed several trenches, hundreds of surface samples and over 5000 metres of diamond drilling in 16 holes focused on the Discovery-Nightcrawler and Ridley Creek zones. The drilling intersected multiple zones of skarn containing anomalous to potentially economic values of tungsten and locally molybdenum. Additional exploration approximately four kilometres to the north identified similar geology, a tungsten soil geochemical anomaly three kilometres in length and several high grade showings of tungsten with anomalous zinc, indium bismuth, and locally gold and silver.

During 2011, Happy Creek Minerals conducted rock and silt sampling over the Ridley Creek area of the property. A total of 14 silt and 13 rock samples were collected. Two rock samples returned high grade values of 2.38% and 1.60% WO<sub>3</sub>. Eleven grab samples of altered monzogranite and quartz vein swarm returned with assay ranging from trace to 2.04% molybdenum and 1.6g/t rhenium. Silt samples returned with trace values for tungsten and molybdenum.

Diamond drilling of 10 BQ holes totaling 415.5 metres was performed at the Ridley Creek area, located 4 kilometres to the north of the Nightcrawler-Discovery zone. Seven of the 10 holes intersected encouraging tungsten values, along with anomalous zinc, indium, and trace to weakly anomalous silver and gold. Multiple intervals of tungsten bearing skarn were intersected in F11-07 including 9.6%  $WO_3$  over 0.4 metres and 1.02%  $WO_3$  over 4.7 metres, and in F11-08 including 8.15%  $WO_3$  over 0.65 metres and 1.22%  $WO_3$  over 7.35 metres. Drill hole F11-02 also returned 0.5 meter of 8.45%  $WO_3$ .

The 2011 3D IP geophysical survey (2375m length) suggests there is excellent potential for a second zone beneath the shallow 2011 drill holes and 2010 trenches.

It is recommended that an additional three dimensional induced polarization and magnetic geophysical survey be performed over the known mineralized zones on the property, followed by up to 3,000 metres of diamond drilling in areas identified by geophysical surveys and known mineralized showings.

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## **1. Introduction**

The following report was prepared to document the results of the 2011 exploration work carried out on the Fox property located in south-central British Columbia between August and November, 2011. The exploration program was designed to follow up on high grade tungsten, zinc and Indium mineralized rocks, sampled previously in 2010, from the Ridley Creek area. The 2011 work also aimed to further define and expand the skarn and calc-silicate hosted tungsten and molybdenum mineralization and intrusive rocks related to molybdenum mineralization in the Nightcrawler and Discovery zones that are located approximately 4.0 kilometres south of the Ridley Creek area.

The 2011 program was comprised of silt and rock sampling, prospecting, 2375m length 3D IP survey and diamond drilling. A total of 13 rock (chip and grab) samples and 14 silt samples were collected from the Ridley Creek area. Diamond drilling consisted of 10 BQ size holes totaling 415.4 metres. Drilling led to the discovery of additional tungsten mineralization at the Ridley Creek zone.

## **2. Location and Legal Description**

The Fox property is located approximately 70 km northeast of 100 Mile House and 160 km north-northeast of Kamloops in the south-central Cariboo region of the British Columbia, on TRIM map sheets 093A.008 and 092P.098, and within the Cariboo Mining District (Figure 1).

The property is comprised of 31 contiguous MTO cell claims that cover an area of 13,788.74 hectares (Figure 2 and Table 1). The property is located between latitudes 52°03'13"N and 51°58'47"N and longitudes 120°38'49"W and 120°34'06"W. The approximate centre of the claim block is located at 52°03'06"N latitude and 120°29'37"W longitude. All tenures are 100% owned by Happy Creek Minerals.

## **3. Access, Topography, Vegetation and Climate**

The Fox property is located approximately 30 kilometres east of the past-producing Boss Mountain molybdenum mine, and 75 kilometres northeast of the town of 100 Mile House on the Cariboo Highway 97, in south-central British Columbia. Access to the property is provided by paved and well-maintained gravel roads. Access from 100 Mile House is via the Canim-Hendrix road, two kilometres north of 100 Mile House, which heads northeast for 50 kilometres to the villages of Forest Grove followed by Eagle Creek. At the Eagle Creek bridge the pavement

ends and the Hendrix Lake (6000) forest service road (all weather all year maintained gravel road) continues in a northeasterly direction for 17 km to its junction with the Spanish-Deception (7000) road. The 7000 road is followed in an easterly direction for about 14 kilometres to its junction with the Deception (7200) road. The 7200 road is followed northward for 15 km to the Nightcrawler zone and approximate centre of the property. Several spur roads provide access to the lower elevations of the property while the higher elevations and Ridley Creek zone to the north requires a long hike or helicopter.

The Fox property is located within the Interior Wet Belt biogeoclimatic zone of the Quesnel Highlands physiographic region. Elevations range from 1120 metres above sea level in the Deception Creek area to 2286 metres above sea level on Deception Mountain. Part of the claim group has been logged, but most of the lower elevation areas are covered by mixtures of spruce, sub-alpine fir, pine and aspen, and cedar.

The climate is typical of the south central interior of British Columbia. Summer temperatures average a daytime high in the 20° celcius range with occasional temperatures reaching low 30° range. October through April sees average sub-zero temperatures with lows reaching -30° from November through March. Precipitation totals over 100 centimetres per year with much of it falling as snow during the winter months. Snowfall accumulations at the Nightcrawler zone are approximately 2.0 to 3.0 metres in early spring

#### **4. History**

**1981-1982** Mattagami Resources conducted a regional silt geochemical survey and followed-up by prospecting and soil sampling in June of 1982. The thick snowpack limited the exploration effectiveness however where patches of ground were open, the company's work identified a tungsten soil anomaly in metasediment that was close to the Deception stock, a monzonite-granite intrusion (Helsen 1982). The presence of the Deception stock was not known or on any map prior to that time.

**1997** Dave and Catherine Ridley prospected the new 7200 logging road and located the southern contact of the Deception stock and adjacent skarn alteration.

**1999** D. Ridley, D. Blann and D. Black performed further geological mapping and prospecting along the 7200 road and beyond. This work outlined a broad area of sulphide bearing hornfels and calc silicate skarn alteration (at least 3 km length x 1 km width) outboard of the southern margin of the Deception stock. Quartz vein material containing molybdenite and garnet-

pyroxene bearing calc silicates containing sulphides were identified and the first Fox mineral claims were staked (Ridley, 2000a).

**2000** Subsequent work included grid construction, soil sampling, and geophysical surveys around the area located in the previous year (ground magnetic and VLF-EM), and additional prospecting and claim staking. A significant high grade molybdenum skarn showing was found as well as skarn containing scheelite (tungsten) (Discovery zone). Prospecting, and stream sediment sampling was carried out by Ridley and Black on the northern margin of the Deception stock and revealed skarn alteration with several minor tungsten, zinc and copper occurrences (Ridley 2000b).

**2001** Starcore Resources Ltd. optioned the Fox 1-6 claims. The claim boundary was expanded and soil survey was conducted on the South grid that identified additional tungsten anomalies (Ridley, 2002, Dawson, 2002).

**2005** D. Blann, D. Ridley and D. Black conducted an exploration program comprised of grid layout, soil and extensive rock geochemical sampling, prospecting (tungsten lamping) and geological mapping. This program led to discovery of the Nightcrawler tungsten zone, where numerous high grade tungsten showings were discovered near a logging landing and down beside the main creek, approximately 500 metres to one kilometre east of the original Discovery molybdenum zone (Blann, D., Ridley, D., 2005).

**2006** Happy Creek Minerals Ltd. conducted silt, soil and rock geochemical sampling and mapping/prospecting program on the north side of the Deception stock resulting in the discovery of positive tungsten and molybdenum values at the Ridley Creek zone (Blann, 2007).

**2007** Happy Creek Minerals completed 971 silt, soil and rock geochemical samples, more than 700 metres of trenching and diamond drilling of 13 NQ holes totaling 3,800 metres. Trenching and drilling targeted tungsten-molybdenum mineralization in Nightcrawler-Discovery-Creek Zones. Trenching results included 2.7 metres of 0.13%  $W_3$  from trench 6a, and 3 metres of 0.21%  $W_3$  in trench 6D. Sub-outcropping skarn at Discovery zone returned up to 12.8% Mo and 5.46%  $W_3$  in grab samples from tabular sub crop blocks within till. Drilling intersected multiple zones of skarn-hosted tungsten mineralization within approximately 100 metres thick sediment package. The encouraging assay results included 2.0 metres of 0.75%  $W_3$  and 3.0 metres of 0.34%  $W_3$  in F07-05 and 7.0 metres of 0.13%  $W_3$  and 0.30%  $W_3$ . Limited drilling

in the underlying monzonite stock at the Discovery zone returned 0.85 m of 0.29% molybdenum at 361.5m (F07-09) and 0.22% Molybdenum at 186.9 m depth in DDH F07-13.

**2008** Happy Creek Minerals Ltd performed bedrock mapping in the Ridley Creek area and a geotechnical contractor completed grid-base soil sampling (2.5 km by 2.5 km) covering the northern contact of the Deception stock and beyond. Soil geochemistry revealed several distinct coincident or overlapping W-Mo+/-Bi anomalies along with several small gold anomalies scattered throughout the grid. A strong northeast trending tungsten-in-soil anomaly was located in the north-central part of the grid (1.2 km long, 350 m wide) in part coincident with known tungsten showings. A strong kidney-shaped molybdenum anomaly is located in the northwest-central part of the soil grid, overlapping the main tungsten anomaly at the southwestern end (MacDonald and Lane, 2009).

**2010**, Happy Creek Minerals conducted detailed prospecting, hand trenching, rock and silt sampling over the Ridley Creek area of the property. A total of 4 silt, 27 rock and 91 trench-rock samples were collected. Hand trench chip samples include 7.0 metres of 0.80%  $WO_3$ , 2.0 metres of 5.00%  $WO_3$ , 7.3 metres of 1.25%  $WO_3$ , and 1.0 metres of 4.66%  $WO_3$  in three showings that occur over a two kilometre distance. Positive zinc, indium bismuth, and locally gold and silver values also occur with tungsten.

In addition, diamond drilling of 3 NQ2 holes totaling 663.1 metres was performed at the Nightcrawler-Discovery zone, located 4 kilometres to the south of the Ridley Creek area. Multiple intervals of tungsten bearing skarn were intersected in F10-01 including 0.16%  $WO_3$  over 9.2 metres and 1.37%  $WO_3$  over 0.9 metres, and the zone remains open in extent to the southeast.

## **5. Geological Setting**

### **5.1 . Regional Geology**

The regional geology (Fig. 3) of the area is dominated by rocks representing three major fault-bounded terranes, including from east to west, Kootenay, Slide Mountain and Quesnel Terrane. The predominantly fine-grained basin-fill rocks of the Quesnel Terrane structurally overlie a tectonically emplaced oceanic crustal slice, the Crooked Amphibolite, a part of the Slide Mountain Terrane. It defines the terrane boundary with older metamorphic rocks of the

Barkeville Subterrane, a subdivision of Kootenay Terrane, to the east. The boundary is defined by the low angle Eureka Thrust (Schiarizza and Boulton, 2006).

The Fox property is located primarily within the Kootenay Terrane believed to represent an outboard facies of the ancestral North American miogeocline. The Kootenay Terrane is represented by Late Proterozoic and Early Paleozoic siliciclastic, carbonate and volcanic rocks of the Snowshoe Group which consists of quartzofeldspathic gneiss, pelitic schist, marble lenses and minor quartzite and augen gneiss. East of the Kootenay boundary is an intervening Middle to Late Paleozoic metamorphic assemblage of oceanic basalt and chert (Crooked Amphibolite) that is assigned to the Slide Mountain Terrane. The assemblage is comprised of greenstone, gabbro, dunite, and serpentized ultramafic rocks of ophiolitic affinity. This terrane has been interpreted as the imbricated remnant of the Late Paleozoic marginal basin along the Eureka Thrust. West of the Slide Mountain Terrane is Quesnel Terrane, a Late Triassic-Early Jurassic magmatic arc complex that formed along the western margin of the North American craton. In the Lower Jurassic, northeast movement of Quesnellia culminated 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. The Quesnel Terrane is represented mainly by Middle to Upper Triassic volcanic and sedimentary rocks of the Nicola Group. Nicola Group is comprised of mafic volcanic and volcanoclastic rocks, basalt to andesite, argillite, greywacke, turbidite sequences and undivided sedimentary rocks that are invaded by Late Triassic to Cretaceous calc-alkaline and alkaline intrusions. The dominant intrusion in the area is Takomkane batholith consisting of granodiorite, syenite and monzonite phases.

Other intrusive rocks intruding both Nicola Group and Snowshoe Group Rocks are Late Triassic Early Jurassic, Cretaceous, Tertiary and Recent in age. The focus of much of the recent exploration on the Fox property is around the Deception stock, quartz monzonite to granite and Middle Cretaceous in age that is situated in the approximate center of the property. The stock intrudes metasediment assemblages that host important tungsten and molybdenum skarn and calc-silicate type mineralization.

The Redfern Ultramafic Complex, Permian-Mississippian in age, occurs in the eastern side of the property and covers an area 4.5 by 1.5 km. It is comprised of amphibolite, gabbro, dunite and serpentine.

The youngest rocks in the region are Recent in age olivine basalt flow extruded from the Flourmills Volcanoes (in Wells Grey Park to the east). The basalt flow covers Spanish Creek

valley for about 15 km and mask the trace of the Eureka Thrust. Other rocks commonly found in the area are Eocene volcanic rocks and Neogene and Quaternary flat lying basalt. Glacial and glacio-fluvial deposits cover lower elevations or shallow slopes, attaining 1-20 metres thicknesses.

The deformation history involves two phases of 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 lithology. Early Jurassic east-directed thrust faulting formed during the latter stages of magmatic activity juxtaposing Quesnel Terrane above the adjacent Kootenay Terrane. The second phase of deformation consists of west to southwest verging folds (in part Middle Jurassic age) that deformed the east-directed thrust faults and tectonic boundaries and established the regional structural pattern. Younger structures include prominent Eocene dextral strike-slip and extensional faults.

Regional metamorphic grade is amphibolite facies in the Kootenay and Slide Mountain Terrane and lower grade, greenschist facies in the Quesnel Terrane.

## **5.2 Property Geology**

The property is underlain primarily by layered and schistose Late Proterozoic to Early Paleozoic metasediment of the Snowshoe Group that are comprised of quartz-biotite-muscovite schist, quartz-muscovite schist and lesser gneiss, limestone, quartzite and locally skarn and calc-silicate. The metasediment are intruded by Middle Cretaceous Deception stock of quartz monzonite to granite. Numerous dykes and sills of variable texture and compositions including aplite, alaskite, pegmatite, and vein dikes cut the metasediment. Skarn and calc-silicate host significant tungsten and locally molybdenite mineralization over a large area around the margins of the Deception stock intrusive contact.

### **5.2.1 Lithology**

The Fox property is underlain primarily by deformed Upper Proterozoic to Lower Paleozoic Snowshoe Group metasedimentary rocks that include fine to medium grained muscovite-biotite schist, calc-silicate schist and lesser quartzite calcareous sandstone, limestone and marble. The calc-silicate sequence includes interlayers of coarse grained calcite-rich schist, garnet (grossular?)-diopside+/-vesuvianite+/-scheelite skarn and medium grained, recrystallized off-white limestone-marble. The latter typically occurs as multiple beds, <0.5 to 20 metres in

thickness and together with other calcareous and calc-silicate units form a favorable assemblage up to 100-150 metres in thickness.

Banding and foliation in biotite schist and calc-silicate layers trends northwest and dips gently to moderately to the west, with the dip steepening on the western part of the claims (Blann, 2007).

Snowshoe Group rocks are intruded by the Deception Stock that occupies a 4 kilometre by 5 kilometre sub-circular area in the central part of the property. The stock has variable composition ranging from medium grained quartz monzonite to muscovite-biotite granite and sub phases of leucocratic granite, pegmatite and biotite-hornblende granite. U-Pb zircon age of the Deception stock is 106.4±0.2 Ma (Blann, 2008). A similar age is reported for the Boss Mountain stock situated approximately 25 km NW which is associated with a past molybdenum and tungsten producer.

Numerous felsic dyke, vein-dikes and sills intrude the metasedimentary rocks and the stock. Individual dykes have variable thickness from less than 1 metre wide to exceeding 5 metres, and compositions include quartz monzonite to fine grained leucocratic, quartz-rich granitoid phases from alaskite to aplite. Some dykes contain disseminations of fine grained, pink-red garnet.

All lithologies are cut by quartz veins and lenses, varying in thicknesses and attitudes. Quartz veins are fine to coarse crystalline, milky white, clear to grey and locally vuggy.

### **5.2.2 Structure**

Structural evolution of the Fox property is complex. At least two phases of deformation are recognized with the earliest event represented in schists of the Snowshoe Group. It consists of generally shallow S-SE plunging zones of tight to isoclinal folding, presumed to be the hinge zones of large scale folds. Folds range in amplitude from several centimeters to more than tens of meters and have roughly horizontal to shallow (10°) plunging to S-SE (160-180°) fold axis. These deformation zones are located south, southeast and north of the granite intrusion. A second phase of deformation is characterized by a broad, regional scale anticline with a shallow W-SW dipping limb and gradually steepening E-NE limb. The fold axis has a shallow plunge (5-10°) towards south, approximately 170° (Blann, 2007).

### **5.2.3 Alteration and Mineralization**

The Snowshoe Group metasedimentary rocks are host to potentially economic zones of tungsten-bearing calc-silicate and skarn mineralization in proximity to the Deception Stock.

These zones generally occur as series of stacked skarn or calc-silicate beds, from several centimetres to over 6 metres in thickness, forming a favorable host package approximately 100-150 metres in thickness lying within the quartz-biotite-muscovite schist (Blann, 2008).

Calc-silicate and skarn beds consists of pale to dark red garnet, pale to dark green pyroxene, brown vesuvianite, amphibole, quartz and +/-pyrrhotite. Skarn mineralization contains variable contents of pyrite, pyrrhotite, scheelite, molybdenite, chalcopyrite and sphalerite. Intermittent molybdenite occurs peripheral to most of the main tungsten skarn mineralization. Scheelite occurs as pale grey fine to medium grained (to several mm) crystals or aggregates and may account up to 5 to 15% of the rock volume in select areas.

Molybdenite mineralization occurs as scattered zones, of apparent limited extent, both north and south of the main intrusion. Mineralization is in the form of clots and rosettes of molybdenite comprising up to 2-3% of the host-rock, predominantly Snowshoe Group schist and cross-cutting pegmatite dykes. Drilling in 2007 intersected molybdenite associated with fluorine in the underlying Deception stock giving rise to a potential for a Climax type porphyry molybdenum system.

Multi-staged fracture-controlled quartz veins cut intrusive, calc-silicate and skarn. Thin alteration envelopes of sericite-muscovite and K-feldspar are associated with veining. Some quartz veins peripheral to the main stock have returned anomalous Ag-Pb-As-Bi values.

To date, three main mineralized zones have been identified on the Fox property; Ridley Creek Zone immediately north of the Deception Stock monzonite, and Discovery-Nightcrawler and South Grid zones, located about 4 and six kilometres south of the Ridley Creek zone, respectively. Overall, tungsten mineralization occurs in an area approximately 10.0 kilometres by 3.0 kilometres in dimension.

The Ridley Creek Zone, over 2 km long, and in large part covered by glacial till and subalpine vegetation, hosts both tungsten and molybdenum mineralization as defined by previous soil geochemical survey and an early summer of 2010 RT and RM trench-rock sampling.

The Discovery Zone is a molybdenum-mineralized zone comprised of garnet-vesuvianite skarn and pyroxene-amphibole skarn with patches, disseminations and fracture-filling molybdenite. In the Discovery Zone, Snowshoe Group biotite-quartz schist is intruded by garnet-bearing muscovite granite, and alaskite to aplite dykes/sills. Metamorphic and intrusive rocks are, in turn, cut by variably oriented quartz veins and pegmatite. Lithological contacts between schist,

calc-silicate and granite dykes are N and NW with variable dips. The contact zone to the south of the Deception Stock is marked by up to several km of hornfelsing, moderate fracturing, rusty weathering and increased pyrite-pyrrhotite contents (to 1-3%), and biotite and locally sericite alteration.

The Nightcrawler Zone is a tungsten-mineralized zone and occurs to the southeast of the Deception Stock. This zone is hosted by Snowshoe Group calc-silicate and skarn beds within biotite-quartz schist and intruded by alaskite-aplite, pegmatite and quartz veins. Tungsten-bearing beds are from 1 cm to > 2 m in widths and are separated by schist and barren skarn and calc-silicate. Scheelite occurs as: 1. fine grained disseminations, 2. medium grained bands within pyroxene>garnet skarn and calc-silicate, 3. coarse grained crystals, up to 10 mm in length, in calc-silicate/skarn, 4. in quartz veins and in quartz-rich zones within the calc-silicate, 5. in granite, alaskite and pegmatite dykes and sill and 6. in foliation parallel and cross-cutting fractures and joints. Host metasediments, similar to the Discovery Zone rocks, are hornfelsed, weakly to moderately fractured, rusty weathered schist that contains increased sulfide contents (to 3% pyrrhotite, pyrite and lesser chalcopyrite). Fracture-controlled sericite alteration (quartz-sericite schist) and argillic alteration is locally noted associated with smaller scale structures. The first drilling program in 2007 returned significant to potentially economic grades in 07F-03, 05, 07, 08, 10, 11 and 13 grading 0.3 to 1.56% WO<sub>3</sub> over 0.7 to 5.0 metre widths.

## **6. 2011 Exploration Program**

The 2011 exploration program was conducted between mid August and early November, 2011 and consisted of rock and silt sampling, and diamond drilling of ten shallow holes in the Ridley Creek zone. A 3D Induced Polarization survey (3DIP) was also carried out by SJ Geophysics Ltd from Oct 31 to Nov 3. Areas of exploration work during 2011 are shown in Figure 4. Limited prospecting around the mineralized zones at Ridley Creek identified similar calc silicate and skarn mineralization either in outcrop, sub crop or float

### **6.1 Rock and Silt Sampling**

Rock Sampling: A total of thirteen rock samples were collected in the northern part of the Fox property referred to as the Fox North. Rock sampling was performed in and around the monzogranite stock. All samples were shipped to Agat Laboratories in Burnaby and analyzed for multi-element ICP including, Au, Ag, W, Zn, Mo. Sample numbers and locations are plotted

in Figure 5 and results for tungsten and molybdenum assays are shown in Figure 6 and 7 respectively.

Silt Sampling: A total of fourteen silt samples were collected from several NE-SW trending creeks in the west flank of Ridley Creek area. All samples were shipped to Agat Laboratories in Burnaby and analyzed for multi-element ICP including, Au, Ag, W, Zn, Mo. Material sampled was loose talus consisting of rusty weathered biotite-quartz-feldspar schist, grey-green calc-silicate with minor pyrrhotite and coarse grained feldspar-quartz-muscovite pegmatite. Sample numbers and locations are plotted in Figure 5 and results for tungsten and molybdenum assays are shown in Figure 6 and 7 respectively .

#### **6.1.1 Rock, Silt Sample Preparation and Analyses Result.**

All samples were collected in large poly bags, and tied closed with a zap strap and placed into large rice bags and delivered to Bandstra or Greyhound bus in 100 Mile House and delivered to Agat Laboratories in Burnaby. Samples were crushed, pulverized and digested in hot aqua regia then analyzed by ICP-MS. Samples returning geochemically anomalous tungsten were selected for peroxide fusion digestion followed by ICP-MS for a total assay, and results provided in percent (%).

A representative sample was also collected and placed into a separate bag. Rock and silt samples descriptions and a summary of composited results are provided in Tables 2 and 3 respectively.

The 2011 rock sampling was performed in and around the monzogranite stock; situated directly at the edge of the monzogranite stock. Two rock samples returned high grade results of 2.38% and 1.60% WO<sub>3</sub>. Tungsten values within the monzonite, quartz vein swarm around 300 or more meters in width was traced for approximately four kilometers. Eleven grab samples of quartz vein and altered monzonite returned interesting molybdenum values with assays ranging from trace to 2.04% molybdenum and 1.6 g/t rhenium. The occurrence of significant molybdenum values in fractures and quartz veins within biotite and sericite related intrusive rock are thought to support potential for a porphyry molybdenum system.

Two of the silt samples contained tungsten values of 8.11 ppm WO<sub>3</sub> (F11-BKS-5), and 10.69 ppm WO<sub>3</sub> (F11-BKS-10).

## **6.2 Diamond Drilling**

### **6.2.1 . Introduction**

A 10 hole diamond drill program totaling 415.4 metres was completed in the Ridley zones that is located approximately 4.0 kilometres north of the Nightcrawler –Discovery zone area. The drilling program was conducted from August 15 to September 23. Drilling was concentrated in two areas; the RT1-5 Zone (6 holes / 254.47m) and the RT6-7 Zone (4 holes / 160.93m), as a follow-up to the previous year's trenching program which produced encouraging tungsten values in a skarn zone. Drill holes are labeled F11-01 to F11-10.

Holes 1 and 2 (NTW diameter) were drilled by JED Anchors & Environmental Ltd. of Eckville Alberta utilizing a small skid-mounted drill, which was poorly maintained and incapable of drilling at the expected drill rates. On August 30 the drill was demobilized after drilling only 53.04m over a two week span. On September 8, a small skid-mounted drill from Glenn's Drilling of Logan Lake, BC was mobilized to the drill site. Holes 3 to 10 (BQ diameter) were completed without any problems (362.36m).

All drill core was logged by Brian Meyer, P.Geo, and zones of interest sampled utilizing a diamond saw for splitting. Sample intervals were not greater than 2m and not less than 30cm, determined by lithology, alteration and mineralization breaks. A total of 173 samples were analyzed by Agat Laboratories Ltd. of Burnaby, BC, including 6 Blanks, 6 Duplicates and 5 Standards which were inserted at sample intervals of 10. All samples were analyzed by ICP-MS (51 elements) and peroxide fusion (tungsten).

### **6.2.2. Local Geology of Drilling Area (Brian Meyer, P.Geo)**

The RT1-5 Zone is situated 180m south of the RT6-7 Zone. The two zones are located at the same elevation (within 5m) on either side of the headwaters of an east flowing tributary of Deception Creek. Drill collars are situated on a narrow relatively flat terrace above the corresponding trenches which were excavated on a steep slope (in places grading to a shallow cliff face). The terrace and slope can be traced / extrapolated in a U shape from one zone to the other. Drill collar and trench elevations were determined by barometric altimeter (1m resolution) and tied in to the previously reported elevation of the north end of Trench RT1 (1832m). Trench locations and extent were located by compass, chain and clinometer plus altimeter. Drill collars were located by gps (NAD83) commonly within 3-4m accuracy.

Geologically, outcropping units along this slope include metasediments of the Snowshoe Group comprising quartz-biotite±muscovite schist, and an upper calcareous zone of marble, calc-silicate and skarn (skarn zone), plus granite / monzogranite sills of variable thickness (cms to 5m; rarely up to 10m thick) related to the Deception stock. All units appear shallow dipping (commonly less than 20°) in both westerly and easterly directions to flat-lying, exhibiting an undulating character with an apparent northerly strike. Granite contacts in drill core are almost always subparallel to foliation in the adjacent metamorphics.

From drill core, the uppermost skarn zone varies in thickness from 5.5 to about 10m in RT1-5 Zone, and about 20 to 30m in RT6-7 Zone (includes some granite sills). In all holes except #s 1 and 2, the skarn zone was intersected immediately beneath the overburden. A (probable) thin granite sill is at the top of holes 1 and 2. Probable erosion of the top of the skarn zone (possibly including mineralization) is assumed.

The skarn zone is somewhat complex, commonly consisting of narrow bands (often 5-20cm) and lenses of alternating lithologies. For the purpose of this paper, skarn has been classified as a garnet-pyroxene rock plus accessory minerals. It is fine to medium grained, light to medium green and pinkish brown (both banded and mottled). Garnet may appear as porphyroblasts. Brown to yellowish brown euhedral vesuvianite porphyroblasts are locally common. Calc-silicate is classified as a pyroxene-bearing rock with no visible garnet content (or locally very minor amount). It is light to medium green and commonly fine grained, banded or foliated (occasionally appearing massive). Thin fine grained garnetiferous bands (<5cm) occur locally. Marble is pale greenish grey with hard white silicated bands and scattered garnet porphyroblasts / clusters common. Vesuvianite porphyroblasts occur locally. Contacts between units may be gradational or abrupt. It is assumed that the pyroxene mineral is hedenbergite-johannsenite. Garnet (pinkish brown) is probably in the spessartine-almandine range. Trace to 1% pyrrhotite disseminations are common in skarn and calc-silicate units.

Granite / monzogranite units almost always occur as sills with normally sharp contacts subparallel to metamorphic foliation. The rock is pale to light grey to green grey, fine to medium grained, equigranular, unoriented, with less than 5% biotite ± lesser muscovite, and contains traces of fine grained scattered pinkish brown garnet. It is commonly bleached (no mafics) with weak to moderate sericite alteration. The deeper units which intrude only schist are less altered and commonly exhibit biotite. In almost all holes, some granite sills are locally densely fractured

with cross cutting quartz veinlets, with associated creamy albite(?) alteration observed in the RT1-5 zone. The intrusives may contain traces disseminated pyrite.

The quartz-biotite(-sericite) schist is moderately to well foliated, and commonly unaltered, other than local thin sericite-rich bands. Occasional thin calc-silicate bands ( $\pm$  very thin garnetiferous bands) generally less than 30cm width are present. The rock commonly contains trace disseminated pyrrhotite.

Quartz veining is not uncommon in the skarn and granite zones, with localized narrow intervals containing up to 10% veinlets (both subparallel to and cross cutting foliation/banding). Few quartz veins were intersected, including white-pale grey veins subparallel to foliation/banding (near flat lying), and steeply dipping smoky grey veins which are commonly cutting granite. Vein widths are up to about 1m. Few narrow aplite sills and dykes (whitish quartz-feldspar) are present. Only one narrow (<1m) granite dyke was recognized (in hole 8), which exhibits oriented fabric subparallel to metamorphic foliation in the bottom 20cm.

Structurally all units (both metamorphics and intrusives) are shallow dipping to near flat-lying. No major folding was observed. A northerly strike is apparent based on outcrop and trench measurements, which is roughly parallel to the mapped intrusive contact and calc-silicate units as shown on Happy Creek's 1:4000 geology / soil geochemistry maps. No significant faulting was observed in core nor outcrops.

### **6.2.3. Mineralization**

Drill core was initially logged utilizing a UV light (short wave length). Two types of sulphide - tungsten mineralization were observed. Within the skarn zone trace-0.1% scheelite plus trace-1% pyrrhotite is common in skarn and calc-silicate units, including enriched narrow localized intervals containing 1-2% pyrrhotite, 1-2% sphalerite, trace chalcopyrite and 1-5% scheelite disseminations and clusters. Narrow calc-silicate bands appear to have the highest sulphide-scheelite content (holes 2, 7 to 10), with up to 10% pyrrhotite and 10% scheelite plus 1-3% sphalerite disseminations. Scheelite occurs as patches / intervals of fine grained disseminated mineralization and adjacent coarse grained (up to 10mm) disseminations. These bands are less than 1m drill width and no more than one was intersected in any one drill hole. Cross sections indicate that these bands are continuous over relatively short distances (up to 11m) as in holes 7 to 10 where mineralization remains open in all directions.

The second type of mineralization occurs as trace to 1% scattered fine to coarse grained scheelite and trace to 1% pyrrhotite plus rare chalcopyrite on limonitic fractures in localized densely fractured intervals within granite sills. These mineralized intervals to date are not of economic significance.

With respect to trace element associations to scheelite zones, the following have a positive correlation: Ag-Au-Bi-Cd-Ga-Hf-In-Te-Zn. Mo does not have a consistent correlation with W. Nothing stands out as proximal pathfinders, although zinc, indium and bismuth can be considered associated in proximity to tungsten..

#### **6.2.4 Sample Preparation and Analysis**

Drill core was sampled at intervals averaging 2.5m which was shortened or lengthened depending on geological features such as mineralized veins, alteration zones or lithology contacts. Drill core was first measured for recovery, depths converted from imperial to metric system and photographed. This was followed by detailed core logging and sample intervals were marked for subsequent sampling. The general solid, unbroken and firm rock quality encountered in drilling and in the drill core suggests an RQD of greater than 85 percent. Or, more than 85 percent of the core is in pieces greater than 15cm in length. Drill core was split in half using a diamond saw, with one half of the core put in a plastic sample bag and the other half returned to the core box for the future reference. Samples were packed into rice bags followed by a delivery to Bandstra Trucking Company in 100 Mile House for shipping to AGAT Laboratories in Burnaby, British Columbia.

All core boxes were transported back to the property and stacked in a large metal storage container (sea can) on site.

At AGAT lab, drill core samples were first logged into LIMS with the appropriate Analysis Package, then weighed and dried (60° C). Dried samples were crushed so that 90% of the material was <2 mm (10 mesh) particle size. Then a minimum of 100 g sample was split off and pulverized passing the sample requirement of <75 µm (200 mesh) for 85% of the material.

A total of 118 core samples were analyzed for 48 elements utilizing aqua regia (Nitric and Hydrochloric Acid) digestion and a combination of Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES) and Inductively Coupled Plasma Mass Spectroscopy (ICP-MS); AGAT's method MIN-200-12018. Each sample of ~ 1.0 gram is digested with a 3:1 hot mixture of hydrochloric and nitric acids for one hour. The resultant product is dissolved and

diluted to 50 ml with deionised water. An aliquot is measured by a suitable spectrometry instrument.

High grade tungsten samples were additionally analyzed by the peroxide fusion method with ICP-OES finish (MIN -200-12001) since this method utilizes sodium peroxide, a strong oxidizing reagent, to fully digest particular matrices especially those with high sulfide contents. Each sample of ~ 0.20 gram is fused with sodium peroxide and sodium hydroxide at a temperature of 675°C for 20 minutes. The resultant product is dissolved and diluted to 250 ml with 25 ml HCl. Then an aliquot is measured by ICP-OES.

For quality control, Happy Creek Minerals engaged an independent QA/QC program through systematic use of standards, blanks and duplicates. For every 20 samples, a standard or a blank was inserted into a sample stream by a geologist. In addition for every 60<sup>th</sup> sample a sample preparation laboratory created a duplicate pulp for a comparative analysis.

Quality control measures implemented by the lab consist of randomly inserting blank, quality control solutions for instrument calibration verification, certified reference material (standards/CRM) and replicates, once in every group of 20 to 30 samples.

Drill holes information is listed in Table 4. A summary of analytical results is presented in Table 5. F10-01 to F11-10 drill-collar locations and hole projections are illustrated in Figures 8 to 13. Drill core logs are provided in Appendix 1, Summary of lithology logs of core are in Appendix 2. All certificates of analyses are provided in Appendix 4.

#### **6.2.5. Drill Results**

Table 6 lists the tungsten ( $WO_3\%$ ) mineralized drill intercepts for all holes (F11-01 to F11-10). The true widths of the intercepts are estimated to be roughly 10% less, based on dips of lithologic contacts being no more than about 20°. Non-mineralized units such as quartz veins, schist and in some cases marble, included in a sample interval are due to the narrow width of these units (generally less than 30cm). The reader is advised to refer to the attached maps and cross sections when viewing this data.

Two holes were drilled from each of the five drill pads, one hole being vertical, the other drilled at -60°. Drill collars were spaced at roughly 10m intervals proximal to the trenches with 3 pads located in RT1-5 Zone (covering a distance of 21m) and 2 pads in RT6-7 Zone (11m apart). It was not possible to collar the holes closer to the trenches without building elaborate drill pads

due to the terrain. One deep hole was drilled in each zone. Hole 5 in RT1-5 Zone extended to 92.62m vertical depth, and hole 8 in RT6-7 Zone reached 47.85m drill depth (42 vertical m). No skarn zones nor mineralization were encountered below the uppermost skarn zone in both holes, with only granite sills and schist being intersected.

In RT1-5 Zone, the mineralized intercepts in hole 1 and 2 correlate well however in hole 1 the mineralization is hosted in skarn, while in hole 2 the host rock is calc-silicate which has a higher tungsten grade. The horizontal distance between the 2 intercepts is 4-5m. The very low grade mineralized intercepts in holes 3 and 4, and 5 and 6 correlate well. The high grade mineralization in holes 1 and 2 was not encountered in holes 3 to 6, indicating that this high grade zone does not extend more than 15m west of holes 1 and 2. This zone remains open to the east and south.

In RT6-7 Zone, the high grade mineralized calc-silicate band in holes 7 and 8 correlates well, however the intersected drill width of this band is fairly narrow at 0.40m (hole 7) and 0.65m (hole 8). The shallower lower grade mineralization in hole 8 was only partially encountered in hole 7. The deeper low grade mineralization in hole 7 was not intersected in hole 8. The high grade mineralized calc-silicate band was intersected in holes 9 and 10 (11m to the south) with the mineralized drill width decreasing slightly to 0.30 and 0.35m and the tungsten grade also decreasing (from about 9% to about 5%). Other than this narrow high grade band and a few lower grade intercepts, the relatively thick skarn zone in RT6-7 Zone is not mineralized. The high grade band is open in all directions.

### **7. 3D Induced Polarization Survey**

Upon receiving the high grade drill results in late October, the company performed a 3D IP geophysical survey covering the area drilled at the Ridley Creek prospect. The 2011 IP survey program (From Oct 31 to Nov 3<sup>rd</sup>) consisted of 5 N-S grids lines spaced at 50 m, total line 2375 meters. The IP survey suggests that a strong chargeability target lies below the area tested by drilling. The chargeability anomaly may represent materials such as sulphides in rock below surface (Fig 14). These features suggests there is excellent potential for a second zone beneath the shallow 2011 drill holes and 2010 trenches. The SJ Geophysics Logistics Report is presented in Appendix 3.

### **8. Conclusion and Recommendations**

The Fox property is located approximately 30 km east of the past producing Boss Mountain molybdenum mine, 75 kilometres northeast of 100 Mile House in south-central British Columbia, Canada. The property is comprised of 31 contiguous MTO claim cells that cover an area of 13,788 hectares (138 square kilometres) in the Cariboo Mining Division. All tenures are 100% owned by Happy Creek Mineral Ltd.

The Fox property is underlain by deformed metasediments, Late Proterozoic/ Early Paleozoic in age and part of the Snowshoe Group. Rocks are comprised of quartz-biotite-muscovite schist, quartz-muscovite schist, limestone/marble and calc-silicate/skarn. These assemblages are cut by quartz monzogranite to quartz monzonite, mid Cretaceous in age and locally called the Deception stock. Abundant felsic dykes and sills including aplite, alaskite, pegmatite, quartz veins and stockwork, and vein-dikes comprised of mixtures of felsic dike and quartz, cut the stock and surrounding metasediments. The Deception stock is situated near the centre of the Fox property, with the Nightcrawler-Discovery zone located along the southern flank, and the Ridley Creek area is located near the apex and north edge of the intrusion, in proximity with the major Boss Mountain anticline fold axis. The Ridley Creek and Nightcrawler-Discovery zones occur within an area containing positive tungsten, and locally molybdenum values in rock, soil and stream sediments within an area that is approximately 10 kilometres by three kilometres in dimension.

Surrounding the Deception stock, the Snowshoe Group rocks have been largely altered to biotite hornfels, calc-silicate and locally skarn. Calc silicate alteration consists predominantly of quartz, garnet, pyroxene, vesuvianite and calcite. In proximity with intrusive rocks and quartz veins, muscovite, sericite and locally clay (kaolinite) appear as an overprint over calc silicate and cut both intrusive and sedimentary rocks. Calc-silicate and skarn consist of bedding-parallel, stacked layers that are a few centimetres up to 20 metres in thickness. The metasediment and calcareous, calc silicate unit is estimated at 100 to 150 metres in thickness. The calc silicate/skarn and quartz veins are variably mineralized with pyrite, pyrrhotite, scheelite, and subordinate sphalerite, molybdenite and chalcopyrite.

During 2011, exploration at Ridley Creek area consisted of silt (14), and rock (13) sampling and a total of 415.4 metres of diamond drilling in ten holes. A 3D IP survey (2375m) was also conducted to cover the general area of the drilling.

Prospecting and rock sampling was done in and around the monzogranite stock which is situated directly at the edge of the monzogranite stock. Two tungsten skarn samples returned

2.38% WO<sub>3</sub> and 1.690% WO<sub>3</sub> over sample width of 1 meter. Eleven grab samples of altered monzogranite, and quartz vein swarm returned with assays ranging from trace to 2.04% molybdenum and 1.6g/t rhenium. The occurrence of significant molybdenum values in fractures and quartz veins within biotite to sericite altered intrusive rock are thought to support potential for a porphyry molybdenum system.

The 2011 drill program was successful in initially testing for the presence of tungsten previously detected in the trenches. The drilling tested a 200m portion of the more than 2 km zone containing positive tungsten in rock and soil. Drill holes are located in two clusters, and were directed at/or adjacent to positive tungsten showing in trenches 175m apart. Seven of the 10 holes intersected encouraging tungsten values, along with anomalous zinc, indium, and trace to weakly anomalous silver and gold.

The 2011 diamond drill program was successful in confirming positive to locally high grade tungsten, along with zinc and indium values that are extensions of mineralized zones at surface and samples previously in 2010.

Drilling and trenching results indicate the tungsten bearing skarn zone is open in extent in three directions away from the surface trenches, and recently completed 3D IP survey suggests there is potential for a second, perhaps larger zone occurring beneath the shallow 2011 drill holes.

It is recommended that an additional three dimensional induced polarization and magnetic geophysical survey be performed over the known mineralized zones on the property, followed by up to 3,000 metres of diamond drilling in areas identified by geophysical surveys and known mineralized showings. However, large areas of the monzogranite and quartz vein swarm remain un-prospected or sampled.

## 9. References

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**Fox Statement of Costs April-Dec 15th 2011**

<b>Assaying &amp; Petrographic, Shipping</b>				<b>\$ 6,043.93</b>
<b>Field Supplies</b>				<b>\$ 5,753.54</b>
<b>Communications</b>				<b>\$ 6,733.64</b>
<b>Satelight phone, airtime,</b>				
<b>Geological &amp; Consulting</b>				
<b>Brian Meyer, P.Geo. On-site Project Geologist Aug 10-Oct 15</b>	<b>58</b>	<b>\$ 600.00</b>	<b>\$</b>	<b>34,800.00</b>
<b>David Blann, P.Eng, QP, Geology, Supervision April 15-Dec 15</b>	<b>20.5</b>	<b>\$ 600.00</b>	<b>\$</b>	<b>12,300.00</b>
<b>Sassan Liaghat, PhD, Geological, GIS, Aug 1-Dec 15</b>	<b>26.6</b>	<b>\$ 400.00</b>	<b>\$</b>	<b>10,640.00</b>
<b>Darin Black, prospecting sampling Aug 12-Nov 4</b>	<b>17.75</b>	<b>\$ 325.00</b>	<b>\$</b>	<b>5,768.75</b>
<b>David Ridley, Prospecting sampling Apr 15-Nov 3</b>	<b>20.5</b>	<b>\$ 450.00</b>	<b>\$</b>	<b>9,225.00</b>
<b>Trevor Ridley core splitting, drill pad setup Aug 10-Nov 3</b>	<b>18.84</b>	<b>\$ 225.00</b>	<b>\$</b>	<b>4,239.00</b>
<b>Michael Blann, core splitting, drill pad setup Aug 18-Oct 1</b>	<b>19.2</b>	<b>\$ 175.00</b>	<b>\$</b>	<b>3,360.00</b>
<b>D. Kuran, P.Geo</b>	<b>1.5</b>	<b>\$ 600.00</b>	<b>\$</b>	<b>900.00</b>
<b>Bill Henry Aug 15-Nov 3</b>	<b>2.80</b>	<b>\$ 250.00</b>	<b>\$</b>	<b>700.00</b>
<b>Geophysics</b>				<b>\$ 47,519.67</b>
<b>Meridian Mapping Ltd., SJ Geophysics Ltd</b>				
<b>Field Support &amp; Drilling</b>				<b>\$ 146,526.42</b>
<b>JED Ankors Drilling (two holes-80 metres)</b>				
<b>Helicopter-Lakehead Helicopters</b>				
<b>Helicopter-Far West Helicopters</b>				
<b>Helicopter-Sarvair Aviation</b>				
<b>Drilling</b>	<b>320</b>	<b>\$139.19/m</b>	<b>\$</b>	<b>44,539.85</b>
<b>Glens Drilling-8 holes total 320 metres</b>				
<b>Travel &amp; Accomodation</b>				<b>\$ 39,228.07</b>
<b>Field -food</b>				<b>\$ 10,335.98</b>
<b>Report Preparation, drafting</b>				<b>\$ 4,500.00</b>
<b>Total</b>				<b>\$ 393,113.85</b>

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## 11 . Statement of Qualifications

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

-I am a geologist, I 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 at Vancouver, BC Feb 2012.

*"Sassan liaghat"* (Signed)

Sassan Liaghat Ph.D

#460 -789 West Pender Street, Vancouver BC V6C 1H2

Ph, 604 681-9996, 604 839 5507

E-mail:saliaghat@happycreekminerals.com

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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., Feb 2012

*"David Blann"* (Signed)

David E Blann, P.Eng.

# Tables

# Tables

Table 1

Fox Mineral Claims, 2012, Event No. 5158005,				
Tenure #	Claim Name	Issue Date	Good to Date	Area in Ha
514261		2005/jan/10	2020/dec/31	1232.62
514263		2005/jan/10	2020/dec/31	774.62
514269		2005/jan/10	2020/dec/31	1231.99
514270		2005/jan/10	2015/dec/31	119.3
514271		2005/jan/10	2015/dec/31	119.3
514311		2005/jan/11	2020/dec/31	39.75
523002	FOXNORTH-1	2005/nov/30	2020/dec/31	496.33
523003	FOXNORTH-2	2005/nov/30	2020/dec/31	496.34
523004	FOXNORTH-3	2005/nov/30	2020/dec/31	496.12
523005	FOXNORTH-4	2005/nov/30	2015/dec/31	496.12
523011	FOXSOUTH-1	2005/nov/30	2015/dec/31	497.25
523013	FOXSOUTH-2	2005/nov/30	2015/dec/31	497.46
523014	FOXSOUTH-3	2005/nov/30	2015/dec/31	497.57
523017	FOXEAST-1	2005/nov/30	2015/dec/31	496.92
534863	FOX TAIL	2006/jun/04	2020/dec/31	496.73
535411	FOXCUBE	2006/jun/12	2015/dec/31	496.65
546263	FOXNW	2006/dec/01	2020/dec/31	496.2
546271	FOX W	2006/dec/01	2015/dec/31	198.61
552575	FOXBILL3	2007/feb/23	2015/dec/31	495.9
554327	FOE NORTH 1	2007/mar/15	2015/dec/31	496.15
554336	FOE NORTH 10	2007/mar/15	2015/dec/31	496.52
554337	FOE NORTH 11	2007/mar/15	2015/dec/31	496.33
559264	FOX NO NAME1	2007/may/26	2020/dec/31	238.53
559265	FOX NONAME1	2007/may/26	2015/dec/31	178.81
559266	FOX NONAME2	2007/may/26	2015/dec/31	337.57
579867	FOXTUNG	2008/mar/30	2015/dec/31	437.54
579868	FOXTUNG 2	2008/mar/30	2015/dec/31	497.39
579884	FOXTUNG 3	2008/mar/30	2015/dec/31	198.97
579888	FOXTUNG 4	2008/mar/30	2015/dec/31	79.61
692108	FOX PAW	2010/jan/01	2015/dec/31	159.11
841892	FOX EAST	2010/dec/28	2015/dec/31	496.43
Total				13788.74

Table 2

Fox 2011 Rock Samples Geochemical Analyses															
Sample #	Easting	Northing	Elevn	Ag	Au	Bi	Cd	Cu	In	Mo	W	Zn	W-Fusion	Mo-OL	Comments
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
FX11DR-1	670493	5771990	1656	0.06	<0.01	32.9	0.15	5.2	<0.005	105	1.79	3.5	<0.005		grab several qtz veins in bt grn; minor moly, tr py; 360/60E and 090/25S
FX11DR-2	669538	5773793	1831	0.35	0.01	150	0.57	8.9	<0.005	444	1.57	11	<0.005		grab bt grn with qtz veins; intrusive well veined and fractured here; tr moly
FX11DR-3	669404	5773571	1814	0.17	0.02	73.3	0.04	11.6	<0.005	22.3	1.35	4.8	<0.005		grab 10 cm qtz vein in 2 mica grn; tr mo-py; 340/90
FX11DR-4	669765	5774084	1914	0.07	<0.01	5.9	16.2	<0.1	0.015	>10000	28.2	17.9	<0.005	2.04	grab "high-grade" moly in qtz and disseminated throughout intrusive; fractures 320/70E 120/70SW
FX11DR-5	670050	5774173	1913	0.27	<0.01	32.7	0.19	19.6	<0.005	147	1.32	7.1	<0.005		grab qtz rubble in bt grn close to scht contact to east; veins at 340/40W
FX11DR-6	669739	5773900	1889	0.28	0.01	54.5	0.28	13	<0.005	220	1.29	7.9	<0.005		grab qtz vein 20 cm 335/90; minor mo
FX11DR-7	670136	5773657	1860	0.12	<0.01	1.15	0.01	2.7	<0.005	6.16	0.51	3.8	<0.005		grab ang float; qtz-sericite tr mo; 340/90
FX11DR-8	669937	5774230	1922	0.14	<0.01	5.61	0.37	8.2	0.005	287	0.94	12.1	0.008		grab rubble; qtz in 2 mica grn; minor mo; 335/90 fractures at 060/90
FX11DR-9	670661	5773519	1800	1.44	0.05	203	224	183	6.81	7.58	1200	7010	2.383		grab +1m wide skarn bed 010/50W; 2-3% po sphal; abundant scheelite
FX11DR-10	669066	5773219	1745	1.76	<0.01	5.5	3	17.4	0.092	4.44	57.6	22.2	0.006		float; qtz in muscovite granite; minor py
708691	669722	5773795	1877	0.24	<0.01	107	0.38	8	0.012	144	7.71	17	0.006		ang float; qtz in 2 mica grn; minor mo
708692	670092	5773734	1857	0.16	<0.01	7.17	0.25	2.7	<0.005	166	5.03	2.4	<0.005		minor mo in qtz vein
708693	670661	5773519	1800	0.19	<0.01	7.39	5.99	52.6	0.121	21.7	1210	217	1.604		grab skarn outcrop; minor sphalerite-po; scheelite

Table 3

Fox 2011 Silt Samples Geochemical Analyses													
Sample #	Easting	Northing	Elevation	Ag	Au	Bi	Cd	Cu	In	Mo	W	Zn	WO3
			m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
FX11 BKS-1	667791	5773120	1370	0.63	<0.01	1.31	0.32	103	0.026	1.53	2.82	103	3.55
FX11 BKS-2	667791	5773119	1370	0.23	<0.01	1.33	0.41	94.8	0.018	2.11	4.65	92.2	5.86
FX11 BKS-3	667764	5772941	1357	0.32	<0.01	1.44	0.63	60.7	0.019	1.97	4.43	104	5.58
FX11 BKS-4	666920	5774219	1283	0.24	<0.01	0.93	0.09	12.4	0.014	1.03	2.03	35.3	2.56
FX11 BKS-5	666840	5774370	1290	0.18	<0.01	2.66	0.1	22.4	0.014	0.67	6.44	46.5	8.11
FX11 BKS-6	666691	5774515	1271	0.38	<0.01	0.32	0.12	23.7	0.023	1.22	2.15	47.2	2.71
FX11 BKS-7	667033	5773955	1268	0.23	<0.01	0.86	0.08	15.4	0.016	0.73	3.24	45.7	4.08
FX11 BKS-8	667124	5773829	1269	0.2	<0.01	0.48	0.07	44.6	0.016	0.74	1.34	60.2	1.69
FX11 BKS-9	667202	5773643	1276	0.2	<0.01	1.1	0.1	14.4	0.012	0.53	2.32	39.1	2.92
FX11 BKS-10	667447	5772995	1267	0.45	<0.01	0.6	0.15	9.6	0.007	0.59	7.69	22.1	9.69
FX11 BKS-11	667467	5772962	1260	0.29	<0.01	1.22	0.34	27.5	0.014	1.1	5.19	53.1	6.54
FX11 BKS-12	667588	5772783	1252	0.48	<0.01	5.81	1.15	39.2	0.018	3.33	4.93	70.5	6.21
FX11 BKS-13	667689	5772479	1266	0.5	<0.01	1.48	0.7	29.5	0.017	1.62	2.82	54.9	3.55
FX11 BKS-14	667784	5772254	1240	0.57	<0.01	2.63	1.07	29.6	0.028	2.28	4.12	97.4	5.19

**Table 4  
Fox Property, 2011 DDHs**

<b>HOLE # F11-01</b>			
Collar Location:	5,775,347N / 670,550E	Inclination: -60°	Start: 19-Aug-11
Elevation:	1843m	Azimuth: 360°	Finish: 25-Aug-11
Samples:	E5266260-274 = 14 + 1 blank (269)	EOH: 35.36m	
<b>HOLE # F11-02</b>			
Collar Location:	5,775,347N / 670,550E	Inclination: -90°	Start: 26-Aug-11
Elevation:	1843 masl	Azimuth: n/a	Finish: 27-Aug-11
Samples:	E5266275-286 = 11 + 1 duplicate (279)	EOH: 17.68m	
<b>HOLE # F11-03</b>			
Collar Location:	5,775,350N / 670,535E	Inclination: -90°	Start: 07-Sep-11
Elevation:	1842 masl	Azimuth: n/a	Finish: 08-Sep-11
Samples:	E5266287-297 = 10 + 1 standard (289)	EOH: 38.71m	BQ diameter
<b>HOLE # F11-04</b>			
Collar Location:	5,775,350N / 670,535E	Inclination: -60°	Start: 09-Sep-11
Elevation:	1842 masl	Azimuth: 030°	Finish: 10-Sep-11
Samples:	E5266298-311=12+1blk(299),1dup(309)	EOH: 37.49m	BQ diameter
<b>HOLE # F11-05</b>			
Collar Location:	5,775,351N / 670,529E	Inclination: -90°	Start: 10-Sep-11
Elevation:	1842 masl	Azimuth: n/a	Finish: 12-Sep-11
Samples:	E5266312-324 = 12 + 1 standard (319)	EOH: 96.62m	BQ diameter
<b>HOLE # F11-06</b>			
Collar Location:	5,775,351N / 670,529E	Inclination: -60°	Start: 12-Sep-11
Elevation:	1842 masl	Azimuth: 030°	Finish: 12-Sep-11
Samples:	E5266325-336 = 11 + 1 blank (329)	EOH: 32.61m	BQ diameter
<b>HOLE # F11-07</b>			
Collar Location:	5,775,544N / 670,463E	Inclination: -90°	Start: 14-Sep-11
Elevation:	1846masl	Azimuth: n/a	Finish: 15-Sep-11
Samples:	E5266337-362 (23 + 1B, S, D) = 26	EOH: 38.71 m	BQ diameter
<b>HOLE # F11-08</b>			
Collar Location:	5,775,544N / 670,463E	Inclination: -60°	Start: 19-Sep-11
Elevation:	1846 masl	Azimuth: 090°	Finish: 20-Sep-11
Samples:	E5266363-384 (18+ 1 Dup, Std) = 20	EOH: 47.85m	BQ diameter
<b>HOLE # F11-09</b>			
Collar Location:	5,775,533N / 670.462E	Inclination: -90°	Start: 20-Sep-11
Elevation:	1846 masl	Azimuth: n/a	Finish: 20-Sep-11
Samples:	E5266385-413 (26 + 1B, D, S) = 29	EOH: 38.71m	BQ diameter
<b>HOLE # F11-10</b>			
Collar Location:	5,775,533N / 670,462E	Inclination: -60°	Start: 21-Sep-11
Elevation:	1846 masl	Azimuth: 090°	Finish: 21-Sep-11
Samples:	E5266414-433 (18 + 1 B, D) = 20	EOH: 35.66m	BQ diameter

Table 5

Fox 2011 Diamond Drill Holes Geochemical Analyses																			
DDH #	Sample #	From	To	Interva	Ag	Au	Cu	In	Mo	Pb	Re	Sn	W	Zn	W-Fusion	Zn-OL	Mo-OL	Sn-Fusion	Au Fire Assay
		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm
F11-01	E5266260	3.00	3.40	0.40	0.12	<0.01	16.5	0.012	1.12	4.3	<0.001	1.9	0.66	15.6	<0.005				
F11-01	E5266261	3.40	4.00	0.60	0.13	<0.01	27.2	0.038	1.6	3	<0.001	2.6	11.6	62.7	<0.005				
F11-01	E5266262	4.00	5.50	1.50	0.1	<0.01	17.7	0.011	0.62	9	<0.001	6.3	86.8	21.1	0.013				
F11-01	E5266263	5.50	7.00	1.50	0.05	<0.01	7.6	0.007	0.21	15.9	<0.001	1.5	6.16	5.9	<0.005				
F11-01	E5266264	7.00	8.30	1.30	0.08	<0.01	8.8	0.017	0.55	7.9	<0.001	9.7	40	22.7	0.007			0.019	
F11-01	E5266265	8.30	8.80	0.50	0.74	0.02	104	1.56	1.29	1.7	0.011	20.6	2660	2890	0.335				
F11-01	E5266266	8.80	9.00	0.20	0.12	<0.01	16.6	0.454	0.36	1.9	<0.001	1	58.4	930	0.014				
F11-01	E5266267	9.00	10.05	1.05	1.02	0.05	124	2.5	5.47	3	0.005	13.6	1120	4170	1.541				
F11-01	E5266268	10.05	10.80	0.75	0.54	0.02	131	0.156	1.26	1.9	0.002	8.4	163	244	0.022				
F11-01	E5266270	27.45	27.85	0.40	0.07	<0.01	27.7	0.019	0.76	8.2	<0.001	1.8	5.48	58	<0.005				
F11-01	E5266271	27.85	28.95	1.10	3.76	<0.01	20.6	<0.005	1.25	169	0.001	0.5	244	11.2	0.035				
F11-01	E5266272	28.95	29.20	0.25	0.21	<0.01	16.8	<0.005	3.56	3	<0.001	<0.2	4.61	3.1	<0.005				
F11-01	E5266273	29.20	30.50	1.30	0.17	<0.01	6.1	<0.005	1.23	12.1	0.001	0.5	216	14.3	0.026				
F11-01	E5266274	30.50	31.45	0.95	0.47	<0.01	5.4	<0.005	20.1	18.3	0.002	0.3	14.3	5.6	<0.005				
F11-02	E5266275	2.70	3.80	1.10	0.17	<0.01	18.7	0.141	1.72	3.1	<0.001	2.6	11.3	327	<0.005				
F11-02	E5266276	3.80	5.25	1.45	0.29	<0.01	51.5	1.42	0.49	6.8	<0.001	14.5	106	3120	0.017				
F11-02	E5266277	5.25	5.70	0.45	0.04	<0.01	4.2	0.025	0.22	20.8	<0.001	0.9	2.33	7.6	<0.005				
F11-02	E5266278	5.70	7.15	1.45	0.09	<0.01	3.4	0.012	0.45	6	<0.001	9.2	28.3	16.6	0.006				
F11-02	E5266280	7.15	7.65	0.50	2.22	0.22	120	5.8	13.9	2.5	0.005	5.8	1210	>10000	6.698	1.41			0.21
F11-02	E5266281	7.65	8.15	0.50	0.45	0.05	90	0.398	0.93	2.9	0.003	3.8	247	618	0.034				
F11-02	E5266282	8.15	9.35	1.20	0.94	0.06	139	0.027	1.02	2.2	0.009	4.3	2030	44.1	0.261				
F11-02	E5266283	9.35	10.85	1.50	0.46	0.04	40.8	<0.005	1.06	5.2	<0.001	0.8	95.9	11	0.012				
F11-02	E5266284	10.85	12.30	1.45	0.39	<0.01	13.1	0.006	0.88	11.5	<0.001	0.6	14.2	21	<0.005				
F11-02	E5266285	12.30	12.95	0.65	0.15	<0.01	27.1	0.014	1.68	4.1	<0.001	2.3	67	38.8	0.01				
F11-02	E5266286	12.95	13.95	1.00	0.11	<0.01	16.5	0.018	1.97	6	<0.001	1.3	2.59	49	<0.005				
F11-03	E5266287	3.05	4.40	1.35	0.08	<0.01	4.8	0.013	0.85	27.5	<0.001	2.2	1.67	17	<0.005				
F11-03	E5266288	4.40	5.40	1.00	0.11	<0.01	10.2	0.1	0.45	6.3	<0.001	15.3	153	220	0.009			0.029	
F11-03	E5266290	5.40	6.70	1.30	0.19	<0.01	36.7	0.009	2.07	31.4	0.008	1.1	13.5	20.7	<0.005				
F11-03	E5266291	6.70	7.20	0.50	0.12	<0.01	27.9	0.026	0.95	4.4	0.006	1.6	4.13	26.9	<0.005				
F11-03	E5266292	7.20	8.65	1.45	0.07	<0.01	13.7	0.01	1.42	10	0.001	1.5	4.27	13.3	<0.005				
F11-03	E5266293	8.65	9.60	0.95	0.08	<0.01	29.2	0.019	4.5	3.9	<0.001	1	1.26	63.7	<0.005				
F11-03	E5266294	12.05	13.05	1.00	0.05	<0.01	7.7	<0.005	1.31	6.8	<0.001	0.8	5.89	24.3	<0.005				
F11-03	E5266295	13.05	13.45	0.40	0.08	<0.01	17.5	<0.005	0.82	4.6	0.002	0.4	576	9.9	0.058				
F11-03	E5266296	13.45	14.30	0.85	0.09	<0.01	25.4	0.031	1.32	5.8	<0.001	1.8	5.52	71.7	<0.005				
F11-03	E5266297	30.95	31.90	0.95	1.83	<0.01	6.5	<0.005	2.21	14.6	<0.001	0.2	2.89	2.9	<0.005				
F11-04	E5266298	3.45	5.10	1.65	0.21	<0.01	9.5	0.024	0.57	18	0.001	4.3	242	26.9	0.015				

Fox 2011 Diamond Drill Holes Geochemical Analyses																			
DDH #	Sample #	From	To	Interva	Ag	Au	Cu	In	Mo	Pb	Re	Sn	W	Zn	W-Fusion	Zn-OL	Mo-OL	Sn-Fusion	Au Fire Assay
		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm
F11-04	E5266300	5.10	5.55	0.45	0.13	<0.01	8.9	0.019	0.82	9.2	0.001	13	203	42.4	0.015				
F11-04	E5266301	5.55	6.40	0.85	0.04	<0.01	2.7	0.01	0.42	12.8	0.001	3.5	81.7	5.9	<0.005				
F11-04	E5266302	6.40	7.75	1.35	0.28	<0.01	35.2	0.013	0.95	18.7	0.008	2	2.16	24.7	<0.005				
F11-04	E5266303	7.75	8.25	0.50	0.04	<0.01	20.8	0.03	0.75	2.6	0.002	1.4	0.99	19.8	<0.005				
F11-04	E5266304	8.25	9.80	1.55	0.07	<0.01	18.4	0.013	1.02	9.2	0.002	3.8	3.63	19.2	<0.005				
F11-04	E5266305	9.80	11.25	1.45	0.07	<0.01	16.1	0.006	1.54	10	<0.001	0.8	1.97	32.8	<0.005				
F11-04	E5266306	11.25	12.25	1.00	0.1	<0.01	38.6	<0.005	0.91	8.3	0.003	0.3	720	7.4	0.052				
F11-04	E5266307	12.25	13.20	0.95	0.04	<0.01	28.3	<0.005	1.46	7.3	<0.001	0.3	80.2	13.1	<0.005				
F11-04	E5266308	13.20	14.15	0.95	0.05	<0.01	23.9	0.016	1	4.7	<0.001	1.2	2.83	80.2	<0.005				
F11-04	E5266310	28.70	30.20	1.50	0.13	<0.01	8.2	<0.005	2.75	8.3	<0.001	0.4	1.21	9.8	<0.005				
F11-04	E5266311	30.20	31.55	1.35	0.22	<0.01	3.3	<0.005	1.2	17.7	<0.001	0.4	35.7	4.8	<0.005				
F11-05	E5266312	3.35	4.00	0.65	0.19	<0.01	49.4	0.027	0.87	8.5	<0.001	5.2	3.49	52.3	<0.005				
F11-05	E5266313	4.00	4.40	0.40	0.06	<0.01	4.7	<0.005	0.89	7.3	0.001	1.7	0.81	5.7	<0.005				
F11-05	E5266314	4.40	5.80	1.40	0.11	<0.01	11	0.118	1.9	8.7	<0.001	6.3	0.98	291	<0.005				
F11-05	E5266315	5.80	7.00	1.20	0.11	<0.01	14.3	0.009	1.35	34.3	0.002	1	0.43	20.4	<0.005				
F11-05	E5266316	7.00	8.00	1.00	0.06	<0.01	19.5	0.011	1.84	7.6	<0.001	1	0.43	28.7	<0.005				
F11-05	E5266317	8.00	10.10	2.10	0.13	<0.01	20.6	0.015	1.2	12.2	0.003	2.5	0.31	19.5	<0.005				
F11-05	E5266318	10.10	10.65	0.55	0.04	<0.01	4.6	0.013	0.97	7.8	<0.001	6.7	72.2	25.4	<0.005				
F11-05	E5266320	10.65	11.65	1.00	0.12	<0.01	49	0.025	3.17	3.8	0.001	1.7	1.26	78.2	<0.005				
F11-05	E5266321	13.70	14.70	1.00	0.06	<0.01	11.2	<0.005	1.3	13	<0.001	1	5.07	21.1	<0.005				
F11-05	E5266322	14.70	15.30	0.60	0.28	0.01	31.2	<0.005	1.89	13.8	0.001	0.2	332	3.1	0.022				
F11-05	E5266323	15.30	16.30	1.00	0.17	<0.01	46.9	0.007	1.35	11.5	0.001	1.3	3	36.4	<0.005				
F11-05	E5266324	34.75	36.05	1.30	0.64	0.03	8.4	<0.005	1.73	12.3	<0.001	0.3	1.44	2.6	<0.005				
F11-06	E5266325	3.45	4.95	1.50	0.09	<0.01	14.7	0.027	0.75	11.8	<0.001	1.5	1.13	43.5	<0.005				
F11-06	E5266326	5.40	6.00	0.60	0.07	<0.01	8	<0.005	1.08	12.5	0.002	1.8	3.98	4.5	<0.005				
F11-06	E5266327	6.50	7.60	1.10	0.2	<0.01	21.3	0.011	0.99	40	0.002	1.7	0.9	24.2	<0.005				
F11-06	E5266328	7.60	8.00	0.40	0.05	<0.01	13.6	<0.005	0.79	5.2	<0.001	1.3	1.16	19.2	<0.005				
F11-06	E5266330	8.00	8.45	0.45	0.22	<0.01	106	0.033	0.95	10.4	0.002	4.7	457	49.1	<0.005				
F11-06	E5266331	8.45	9.90	1.45	0.12	<0.01	27.7	0.01	0.92	9.2	0.004	1.4	4.55	19.7	<0.005				
F11-06	E5266332	9.90	11.40	1.50	0.1	<0.01	29.7	0.009	1.12	27.3	0.002	1.7	2.49	21.5	<0.005				
F11-06	E5266333	11.40	12.40	1.00	0.1	<0.01	29.5	0.026	1.11	5.4	0.001	1.2	0.76	72.8	<0.005				
F11-06	E5266334	13.75	14.50	0.75	0.11	<0.01	16.3	<0.005	4.4	10.4	0.001	0.8	41.4	15.6	<0.005				
F11-06	E5266335	14.50	15.10	0.60	0.25	0.06	37.7	<0.005	1.38	3.2	0.003	0.6	921	9.1	0.592				
F11-06	E5266336	15.10	16.10	1.00	0.07	<0.01	4.6	<0.005	0.84	12.5	<0.001	0.8	15.7	36.6	<0.005				
F11-07	E5266337	3.05	4.40	1.35	0.08	<0.01	13.3	0.009	0.68	21.9	0.002	2.4	1.12	10.5	<0.005				
F11-07	E5266338	4.40	5.90	1.50	0.09	<0.01	6.1	0.011	0.65	13.8	<0.001	4.9	1.92	10.7	<0.005				

Fox 2011 Diamond Drill Holes Geochemical Analyses																			
DDH #	Sample #	From	To	Interva	Ag	Au	Cu	In	Mo	Pb	Re	Sn	W	Zn	W-Fusion	Zn-OL	Mo-OL	Sn-Fusion	Au Fire Assay
		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm
F11-07	E5266340	5.90	7.40	1.50	0.09	<0.01	7.6	0.01	1.65	14.2	<0.001	3.6	4.6	15.9	<0.005				
F11-07	E5266341	7.40	8.45	1.05	0.12	<0.01	32.7	0.018	0.7	2.9	<0.001	12.6	212	16.7	0.031				
F11-07	E5266342	8.45	10.00	1.55	0.1	<0.01	19	0.036	3.41	4.1	<0.001	7.8	25.8	35.5	0.005				
F11-07	E5266343	10.00	11.00	1.00	0.11	<0.01	18.7	0.016	2.6	4.9	<0.001	3.1	1	30.1	<0.005				
F11-07	E5266344	13.75	14.30	0.55	0.41	<0.01	72.4	0.035	1.35	2.5	<0.001	11.1	5.1	44.2	<0.005				
F11-07	E5266345	14.30	14.85	0.55	1.15	0.06	160	4.82	1.69	1.6	0.006	32.3	1980	8130	0.545			0.019	
F11-07	E5266346	14.85	15.25	0.40	3.19	0.16	502	19.2	4.72	1.7	0.004	20.1	1430	>10000	7.61	3.644		0.011	0.157
F11-07	E5266347	15.25	16.70	1.45	0.26	<0.01	13.2	0.106	0.89	1.4	0.002	20.6	455	43.3	0.057				
F11-07	E5266348	16.70	17.90	1.20	0.15	<0.01	9.9	0.01	1.36	5.2	<0.001	2	15.2	23.3	0.006				
F11-07	E5266350	17.90	18.50	0.60	0.57	0.02	64.6	0.077	1.74	2.2	0.006	2.4	1810	148	0.235				
F11-07	E5266351	18.50	19.00	0.50	0.75	0.03	155	0.739	1.05	4	0.012	14.9	3440	1330	0.492			0.016	
F11-07	E5266352	19.00	19.30	0.30	0.19	<0.01	26.2	0.02	0.88	8.8	<0.001	9.8	66.4	22.4	0.009				
F11-07	E5266353	19.30	20.40	1.10	0.07	<0.01	9.9	0.017	0.47	2.5	0.001	17	136	12	0.014				
F11-07	E5266354	20.40	21.50	1.10	0.08	<0.01	7.2	0.007	0.87	1.3	<0.001	2.3	9.99	8.4	<0.005				
F11-07	E5266355	21.50	23.00	1.50	0.06	<0.01	6.8	0.013	0.29	3.2	<0.001	10.1	12.8	12.3	<0.005				
F11-07	E5266356	23.00	24.25	1.25	0.06	<0.01	6.3	0.012	0.5	3.7	<0.001	7.7	30.2	16.8	0.006				
F11-07	E5266357	24.25	25.20	0.95	0.04	<0.01	3.1	0.012	2.43	2.2	<0.001	8.3	30	15.4	0.005				
F11-07	E5266358	25.20	26.10	0.90	0.06	<0.01	12.1	0.011	1.02	0.7	<0.001	2.6	4.26	14.7	<0.005				
F11-07	E5266360	26.10	26.95	0.85	0.08	<0.01	11.5	0.034	1.27	0.9	0.004	31.9	1270	35.9	0.127			0.019	
F11-07	E5266361	26.95	27.80	0.85	0.11	<0.01	19.3	0.028	1.42	11.4	<0.001	11	68.8	91.8	0.012				
F11-07	E5266362	27.80	29.60	1.80	0.1	<0.01	17.4	0.011	1.76	9	<0.001	4.3	1.85	16.4	<0.005				
F11-08	E5266363	2.80	4.30	1.50	0.06	<0.01	4.8	0.009	0.77	19.9	<0.001	0.8	2.87	16.3	<0.005				
F11-08	E5266364	4.30	5.90	1.60	0.06	<0.01	5.9	0.01	0.9	17.4	<0.001	5.1	1.15	15.3	<0.005				
F11-08	E5266365	5.90	6.90	1.00	0.06	<0.01	4.9	0.027	0.86	29.1	<0.001	0.9	46.1	33.2	0.007				
F11-08	E5266366	6.90	8.25	1.35	<0.01	<0.01	2.2	0.006	0.91	7.8	<0.001	3.2	9.77	5.8	<0.005				
F11-08	E5266367	8.25	9.00	0.75	0.12	<0.01	36.8	0.09	8.51	2	0.002	10.2	228	147	0.029				
F11-08	E5266368	9.00	10.10	1.10	0.17	<0.01	26.1	0.02	0.77	1.4	<0.001	17.7	81.3	18.9	0.011			0.009	
F11-08	E5266370	10.10	10.95	0.85	0.13	<0.01	13.6	0.208	1.23	3.9	0.005	5.8	1120	341	0.148				
F11-08	E5266371	10.95	12.05	1.10	0.38	0.02	14.3	0.394	1.07	3.6	<0.001	0.7	16.8	633	<0.005				
F11-08	E5266372	12.05	13.50	1.45	0.43	0.02	49.9	0.957	2.7	1.5	0.012	23.5	2800	1560	0.67			0.012	
F11-08	E5266373	13.50	14.70	1.20	0.61	0.04	106	0.882	2.9	1.4	0.008	19.5	1710	1540	1.227			0.022	
F11-08	E5266374	14.70	16.20	1.50	1.46	0.16	157	0.005	1.24	2.1	0.005	1.2	1160	11.1	0.15				0.127
F11-08	E5266375	16.20	17.55	1.35	0.21	0.01	59.8	0.146	1.47	2.5	0.007	5.4	1510	261	0.17				
F11-08	E5266376	17.55	18.75	1.20	0.11	<0.01	20.9	0.315	0.55	3	0.001	20.8	180	540	0.016			0.016	
F11-08	E5266377	18.75	19.40	0.65	2.9	0.14	406	10.9	3.68	1.8	0.013	62.7	2950	>10000	6.46	1.865		0.015	0.132
F11-08	E5266378	19.40	20.65	1.25	0.1	<0.01	7.1	0.124	1.78	1.2	0.001	2.2	150	193	0.028				

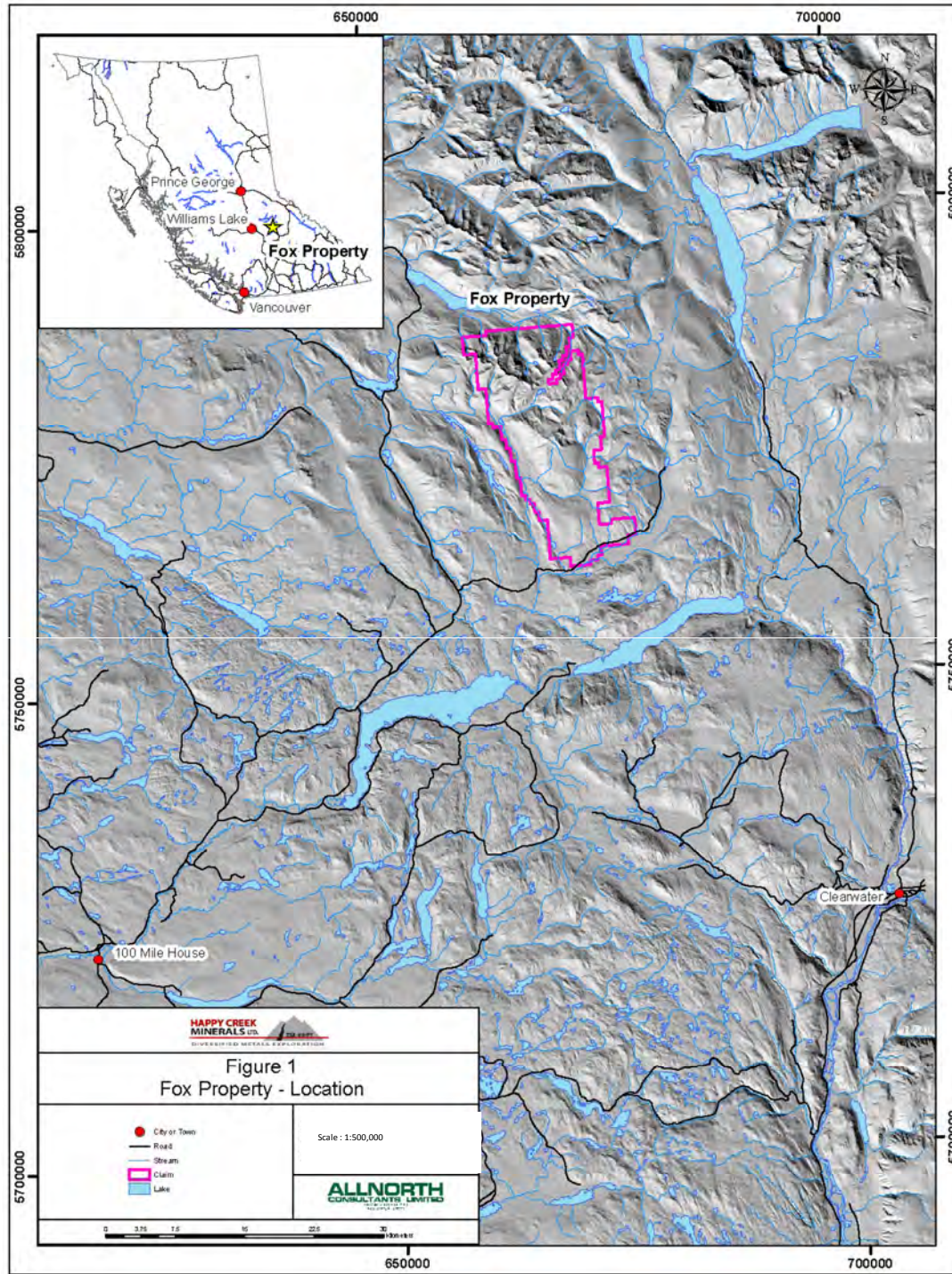
Fox 2011 Diamond Drill Holes Geochemical Analyses																			
DDH #	Sample #	From	To	Interva	Ag	Au	Cu	In	Mo	Pb	Re	Sn	W	Zn	W-Fusion	Zn-OL	Mo-OL	Sn-Fusion	Au Fire Assay
		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm
F11-08	E5266380	20.65	22.15	1.50	0.08	<0.01	13.6	0.011	2.19	2.5	0.001	11.5	43.3	14.7	0.009				
F11-08	E5266381	22.15	23.65	1.50	0.06	<0.01	8.6	0.01	0.58	1.5	<0.001	22.3	11.3	18.3	0.006			0.029	
F11-08	E5266382	23.65	24.80	1.15	<0.01	<0.01	0.4	0.019	0.75	2.3	<0.001	23.2	57	28.1	0.01			0.022	
F11-08	E5266383	24.80	25.75	0.95	0.08	<0.01	8.2	0.012	1.72	19.3	<0.001	5.3	30.1	22.5	0.005				
F11-08	E5266384	25.75	26.75	1.00	0.11	<0.01	27.6	0.035	1.22	4.4	0.001	2.6	3.06	55.4	<0.005				
F11-09	E5266385	1.50	3.00	1.50	0.12	<0.01	8.2	0.01	1.67	31.3	<0.001	1.4	4.3	19.3	<0.005				
F11-09	E5266386	3.00	4.50	1.50	0.1	<0.01	12.7	0.016	2.89	23.1	<0.001	3.5	10.2	22.2	<0.005				
F11-09	E5266387	4.50	6.10	1.60	0.1	<0.01	12.2	0.01	0.6	10.3	<0.001	3.2	2.08	11.7	<0.005				
F11-09	E5266388	6.10	7.65	1.55	0.03	<0.01	7.4	0.022	0.58	2.8	<0.001	5	56.2	45.2	0.008				
F11-09	E5266390	7.65	9.10	1.45	0.09	<0.01	6	0.017	0.62	2.1	<0.001	11.2	35.5	18.5	0.005				
F11-09	E5266391	9.10	10.55	1.45	0.1	<0.01	9.3	0.008	0.51	1.6	<0.001	7.7	43.8	9.5	0.012				
F11-09	E5266392	10.55	12.05	1.50	0.02	<0.01	1.2	0.008	0.38	3.4	<0.001	6.7	10.9	6.7	<0.005				
F11-09	E5266393	12.05	13.45	1.40	0.08	<0.01	6.3	0.011	2.12	3.4	<0.001	10.2	5.23	14	<0.005				
F11-09	E5266394	13.45	15.00	1.55	0.13	<0.01	28.4	0.014	1.27	4	0.002	6.3	10.7	22.4	<0.005				
F11-09	E5266395	15.00	0.16	-14.84	0.06	<0.01	9.3	0.026	1.63	0.9	<0.001	2.4	21	49.3	<0.005				
F11-09	E5266396	0.16	17.90	17.74	0.06	<0.01	4.9	0.012	1	2.4	<0.001	24.5	34.5	9.5	0.007			0.011	
F11-09	E5266397	17.90	18.80	0.90	0.26	<0.01	32.8	0.113	1.05	19.5	0.001	5.2	103	233	0.011				
F11-09	E5266398	18.80	20.55	1.75	0.21	<0.01	13.4	0.035	0.84	4.8	<0.001	13	43.9	48	0.005				
F11-09	E5266400	20.55	21.70	1.15	0.07	<0.01	5.2	0.027	0.45	2.8	0.002	18.7	313	26.8	0.035			0.022	
F11-09	E5266401	21.70	22.05	0.35	0.11	<0.01	10.6	0.008	1.75	1.6	<0.001	0.8	4.26	15.4	<0.005				
F11-09	E5266402	22.05	22.40	0.35	1.27	0.1	166	5.23	8.08	1.3	0.008	29.8	1880	7080	4.6			0.008	0.068
F11-09	E5266403	22.40	22.60	0.20	0.14	<0.01	35	0.103	0.61	1.5	0.001	6.9	209	175	0.031				
F11-09	E5266404	22.60	23.60	1.00	0.04	<0.01	7.2	0.007	1.26	4.5	<0.001	1	21.8	21.3	0.007				
F11-09	E5266405	24.45	25.45	1.00	0.05	<0.01	8.6	0.019	2.31	2.5	<0.001	0.8	7.31	41.7	<0.005				
F11-09	E5266406	25.45	25.95	0.50	0.68	0.04	83.6	0.673	1	1.5	0.012	25.7	2780	1020	0.371			0.01	
F11-09	E5266407	25.95	27.70	1.75	0.09	<0.01	8.7	0.022	0.74	0.9	<0.001	14.2	108	27.3	0.011				
F11-09	E5266408	27.70	28.40	0.70	0.17	<0.01	27.6	0.014	1.04	22	<0.001	5.5	28	18.9	0.006				
F11-09	E5266410	28.40	28.95	0.55	0.08	<0.01	27.4	0.04	2.41	2.8	<0.001	1.6	16.6	57	<0.005				
F11-09	E5266411	29.80	30.80	1.00	0.06	<0.01	15.3	0.009	2.11	8.7	<0.001	0.7	12	16.1	0.006				
F11-09	E5266412	30.80	31.05	0.25	0.97	0.13	218	0.022	1.4	13	0.013	7.9	2780	42.6	0.285				0.127
F11-09	E5266413	31.05	32.05	1.00	0.07	<0.01	24.2	0.026	1.56	4.1	<0.001	1.5	18.8	53.7	<0.005				
F11-10	E5266414	3.10	4.50	1.40	0.18	<0.01	33.5	0.019	1.31	15.1	<0.001	8.3	7.78	18.8	<0.005				
F11-10	E5266415	4.50	6.00	1.50	0.05	<0.01	6.6	0.007	1.27	5.4	<0.001	6	13	6	<0.005				
F11-10	E5266416	6.00	7.50	1.50	0.06	<0.01	14.3	0.01	0.55	3.7	<0.001	4.8	3.03	7.6	<0.005				
F11-10	E5266417	7.50	9.00	1.50	0.15	<0.01	35.1	0.018	1.07	4.8	0.001	6.3	8.11	32.3	<0.005				
F11-10	E5266418	9.00	10.50	1.50	0.04	<0.01	2.8	0.01	0.62	2.1	<0.001	10.3	3.4	6.7	<0.005				

Fox 2011 Diamond Drill Holes Geochemical Analyses																			
DDH #	Sample #	From	To	Interva	Ag	Au	Cu	In	Mo	Pb	Re	Sn	W	Zn	W-Fusion	Zn-OL	Mo-OL	Sn-Fusion	Au Fire Assay
		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	ppm
F11-10	E5266420	10.50	12.20	1.70	0.03	<0.01	11.7	0.008	0.71	4.2	<0.001	5.7	4.58	10	<0.005				
F11-10	E5266421	12.20	13.70	1.50	0.14	<0.01	24	0.712	0.76	2.1	<0.001	15.2	5.54	1020	<0.005			0.016	
F11-10	E5266422	13.70	14.15	0.45	0.09	<0.01	8.9	0.036	0.69	1.7	<0.001	30.8	118	35.3	0.013			0.018	
F11-10	E5266423	14.15	15.30	1.15	0.06	<0.01	11.9	0.068	0.58	1.6	0.001	14.5	193	91.6	0.018				
F11-10	E5266424	15.30	16.00	0.70	0.2	<0.01	30	0.014	0.87	28.5	0.004	3.6	26.9	17.8	0.007				
F11-10	E5266425	16.00	16.45	0.45	0.05	<0.01	18	<0.005	1.41	2.5	<0.001	0.6	1.02	11.3	<0.005				
F11-10	E5266426	16.45	17.00	0.55	0.13	<0.01	18.7	0.013	0.95	20.7	0.001	5.2	3.92	17.4	<0.005				
F11-10	E5266427	17.00	18.50	1.50	<0.01	<0.01	2.8	0.011	0.45	3	<0.001	10	3.76	6.8	<0.005				
F11-10	E5266428	18.50	19.80	1.30	0.14	<0.01	19.2	0.014	0.7	4.4	<0.001	14.3	19.6	21.6	<0.005				
F11-10	E5266430	19.80	20.45	0.65	1.08	0.04	130	2.43	2.35	1.8	0.029	53.1	6490	3540	1.05			0.021	
F11-10	E5266431	20.45	21.00	0.55	0.43	<0.01	39.8	0.028	0.64	2.9	0.005	19.6	927	35.6	0.085			0.012	
F11-10	E5266432	21.00	21.30	0.30	2.29	0.15	451	3.04	1.87	1.9	0.008	17.2	1750	4030	3.39			<0.005	0.137
F11-10	E5266433	21.30	22.30	1.00	0.16	<0.01	13.6	0.092	1.19	9.9	<0.001	3.3	106	155	0.018				

**Table 6. Summary of WO<sub>3</sub>, Zn and In Analyses in Drill Holes**

<b>Drill Hole #</b>	<b>Total Depth</b>	<b>Interval metres</b>	<b>WO<sub>3</sub> %</b>	<b>Zn %</b>	<b>In g/t</b>
<b>F11-01</b>	35.36	1.75	1.29	0.34	2.00
<b>F11-02</b>	17.68	5.15	0.91	0.14	0.61
includes		2.20	2.11	0.34	1.42
includes		0.50	8.45	1.41	5.80
<b>F11-03</b>	38.71	0.40	0.07		
<b>F11-04</b>	37.49	1.00	0.07		
<b>F11-05</b>	96.62	0.60	0.03		
<b>F11-06</b>	32.61	0.60	0.75		
<b>F11-07</b>	38.71	4.70	1.02	0.42	2.32
includes		0.40	9.60	3.64	19.20
and		0.85	0.16		
<b>F11-08</b>	47.85	12.40	0.74	0.15	0.88
includes		7.35	1.22	0.23	1.40
includes		0.65	8.15	1.87	10.90
<b>F11-09</b>	38.71	7.30	0.33	0.04	0.31
includes		0.35	5.80	0.70	5.23
<b>F11-10</b>	35.66	2.50	0.89	0.37	2.60
includes		0.30	4.27	0.40	3.04

# Figures



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**HAPPY CREEK  
MINERALS LTD.**  
DIVERSIFIED METALS EXPLORATION



# HAPPY CREEK MINERALS LTD Fox Claim & Tenure Number Map 2012

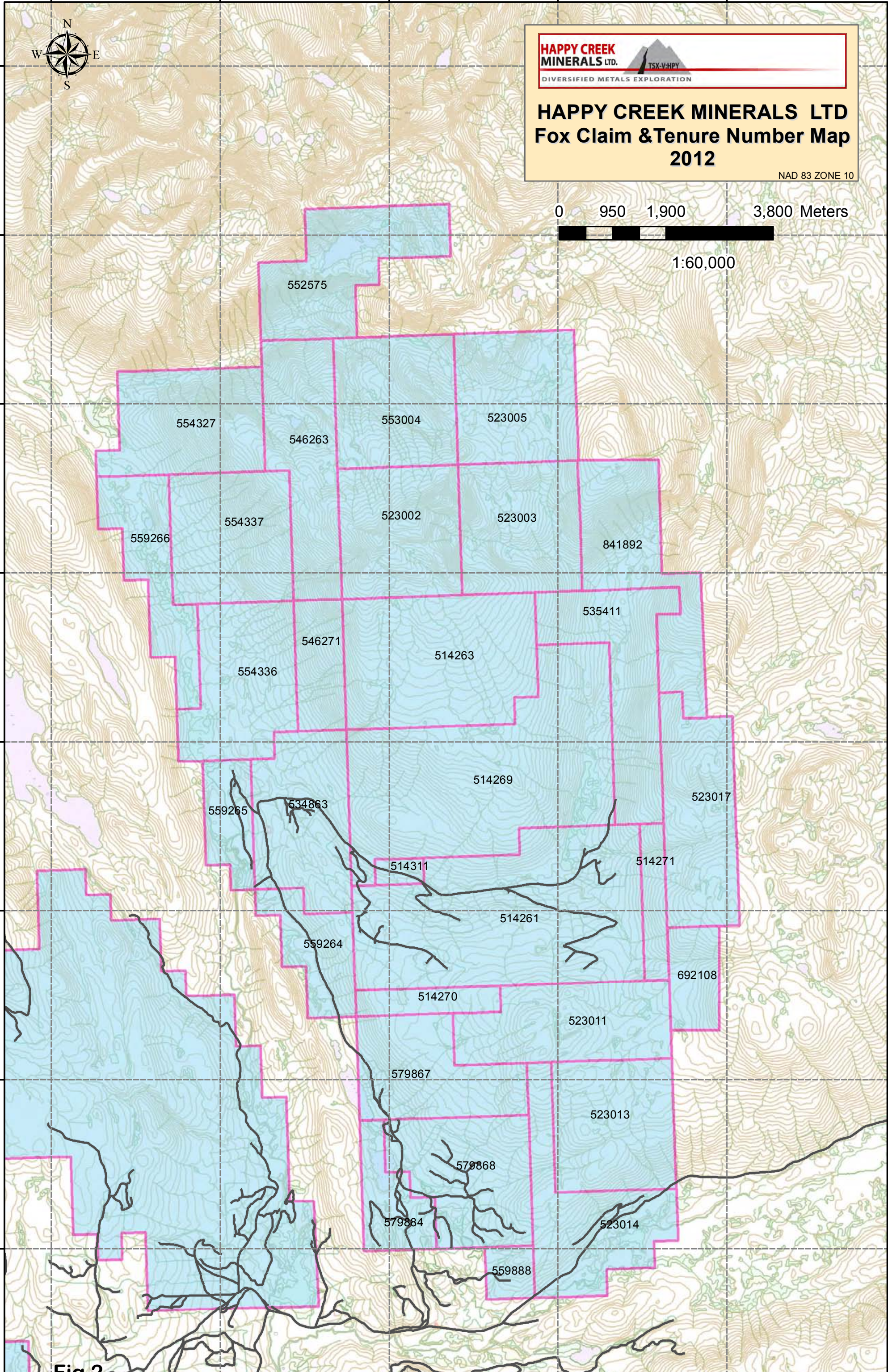
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5769000  
5766000  
5763000

5784000  
5781000  
5778000  
5775000  
5772000  
5769000  
5766000  
5763000



552575

554327

546263

553004

523005

559266

554337

523002

523003

841892

554336

546271

514263

535411

559265

534863

514269

523017

514311

514271

559264

514261

692108

514270

523011

579867

523013

579868

579884

523014

559888

**Fig 2**

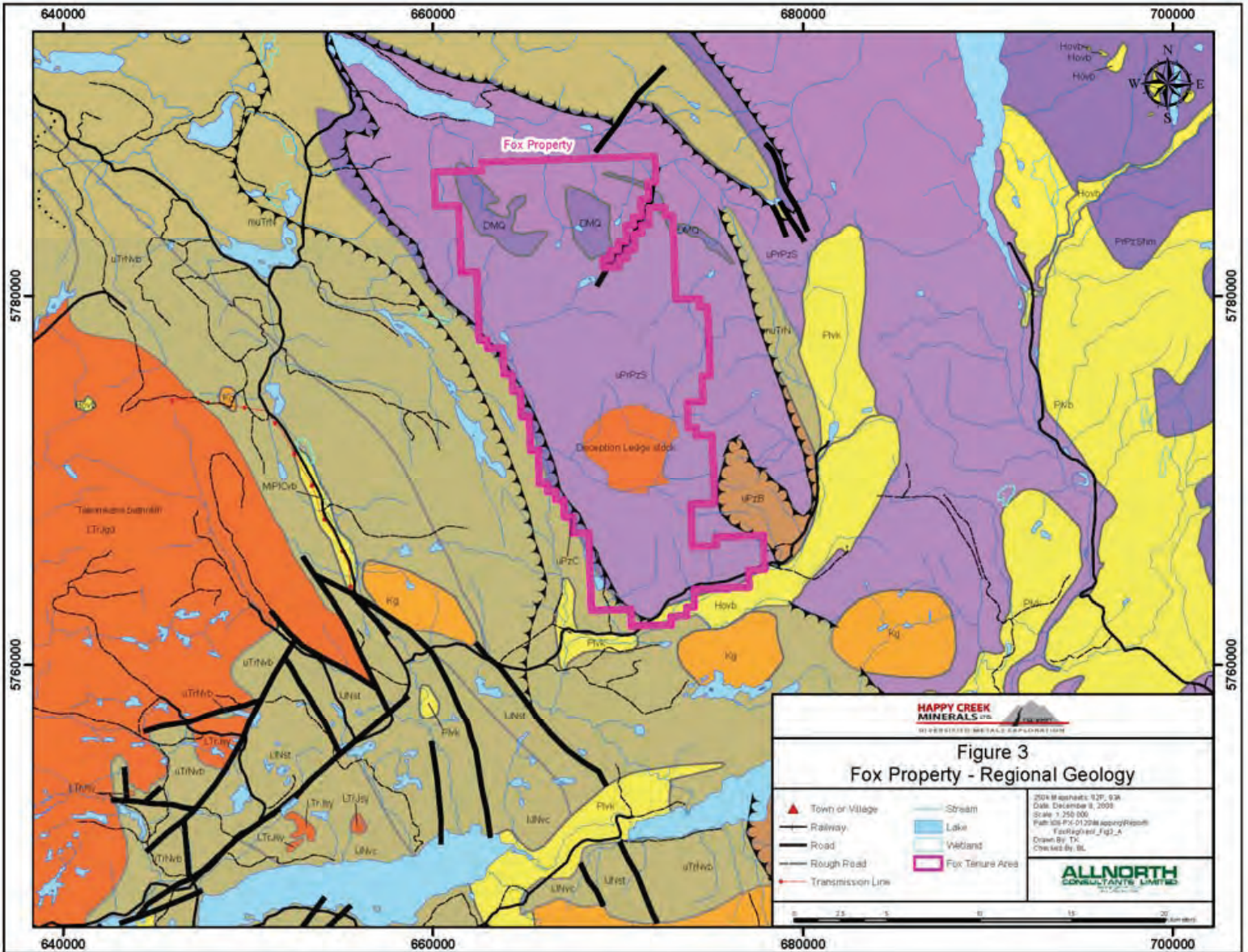
663000

666000

669000

672000

675000



## Regional Geology

- Fault
- Normal Fault
- Thrust Fault

## Stratified Rocks

### Cenozoic

Undifferentiated: basaltic volcanic rocks (Hovb, MIPICvb, Pvk, Plvb); 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

### Middle Cretaceous

Deception Ledge stock: quartz monzonite (qm)

### Late Triassic to Cretaceous

Undifferentiated: undivided (Kg); granodiorite (MJgd)

### Late Triassic to Early Jurassic

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

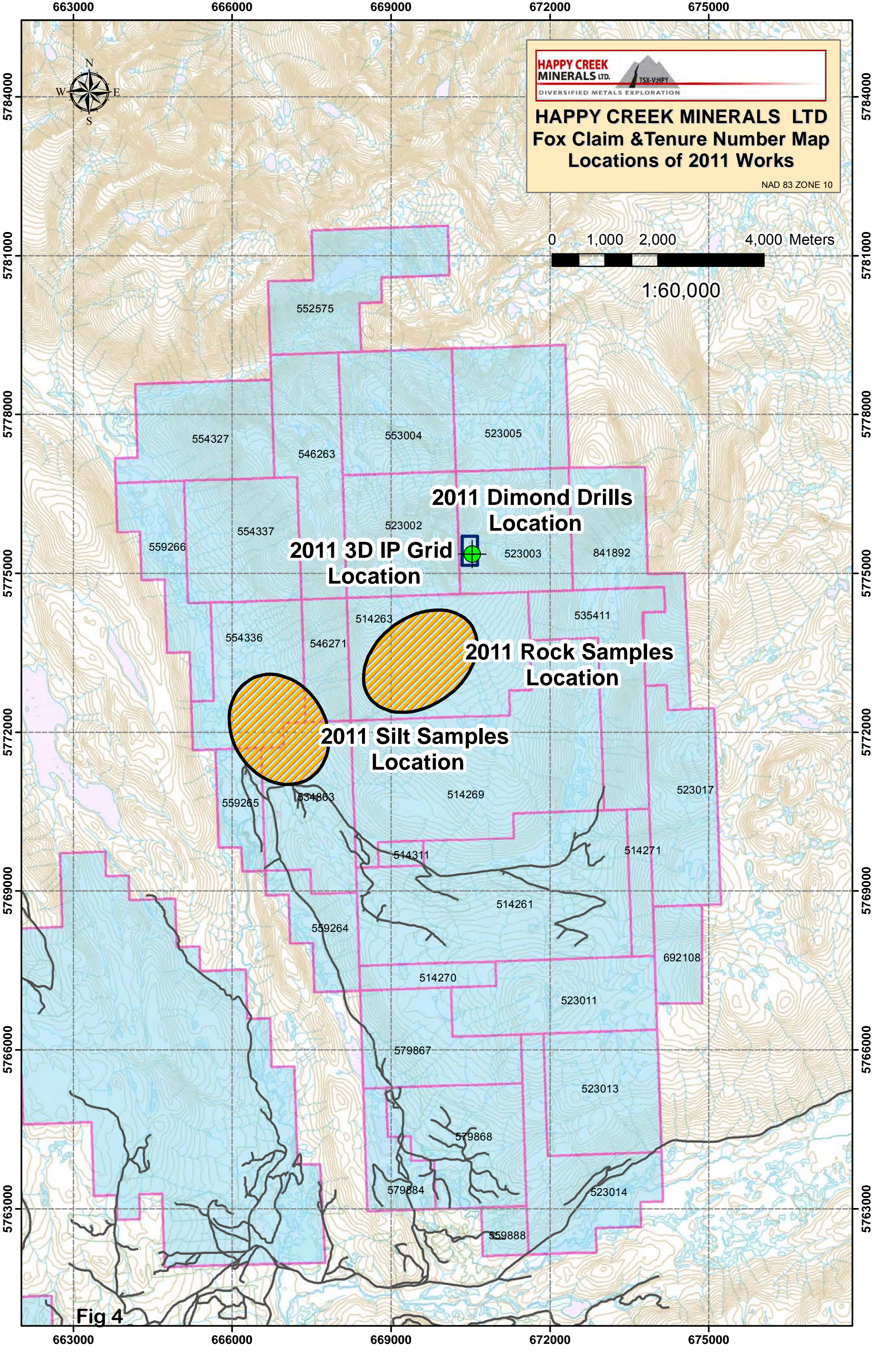
## Metamorphic Rocks

### Upper Proterozoic to Paleozoic

Snowshoe Group: undivided (uPrPzS)

### Proterozoic to Paleozoic

Undifferentiated: serpentinite (uPzC); orthogneiss (DMQ); undivided (PrPzShm)



**HAPPY CREEK MINERALS LTD.**  
DIVERSIFIED METALS EXPLORATION

**HAPPY CREEK MINERALS LTD**  
**Fox Claim & Tenure Number Map**  
**Locations of 2011 Works**

NAD 83 ZONE 10

0 1,000 2,000 4,000 Meters

1:60,000

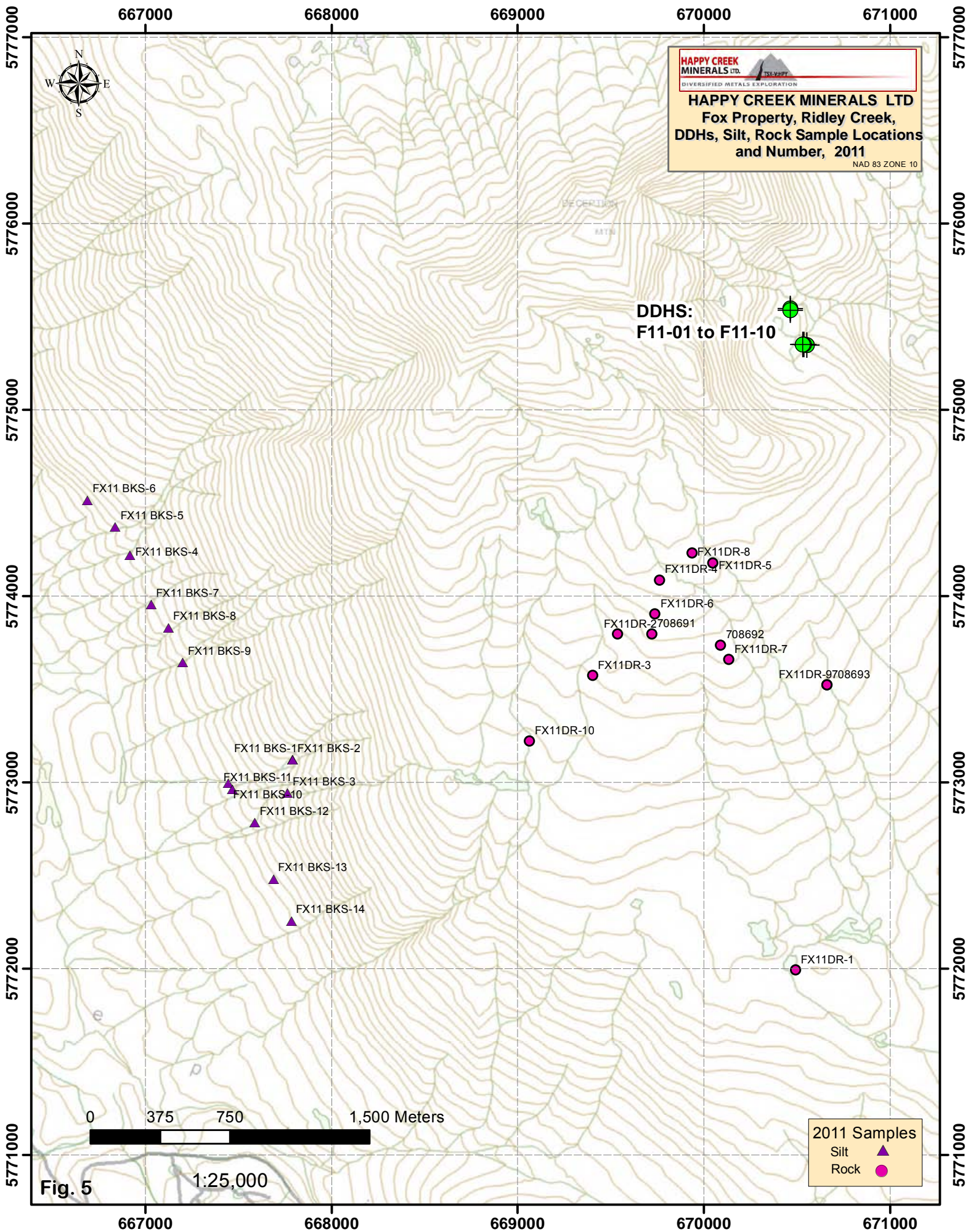
**2011 Dimond Drills Location**

**2011 3D IP Grid Location**

**2011 Rock Samples Location**

**2011 Silt Samples Location**

**Fig 4**



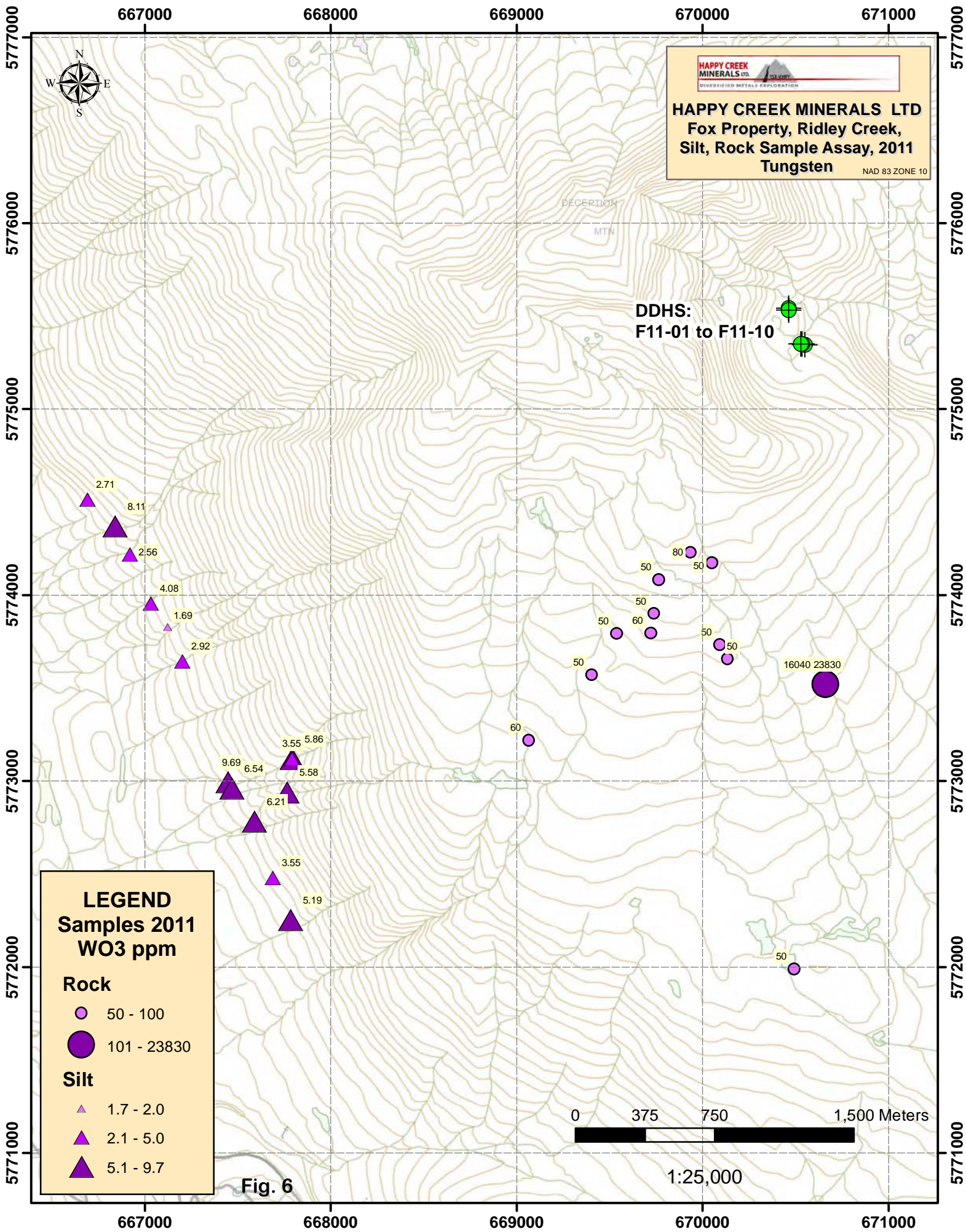


Fig. 6

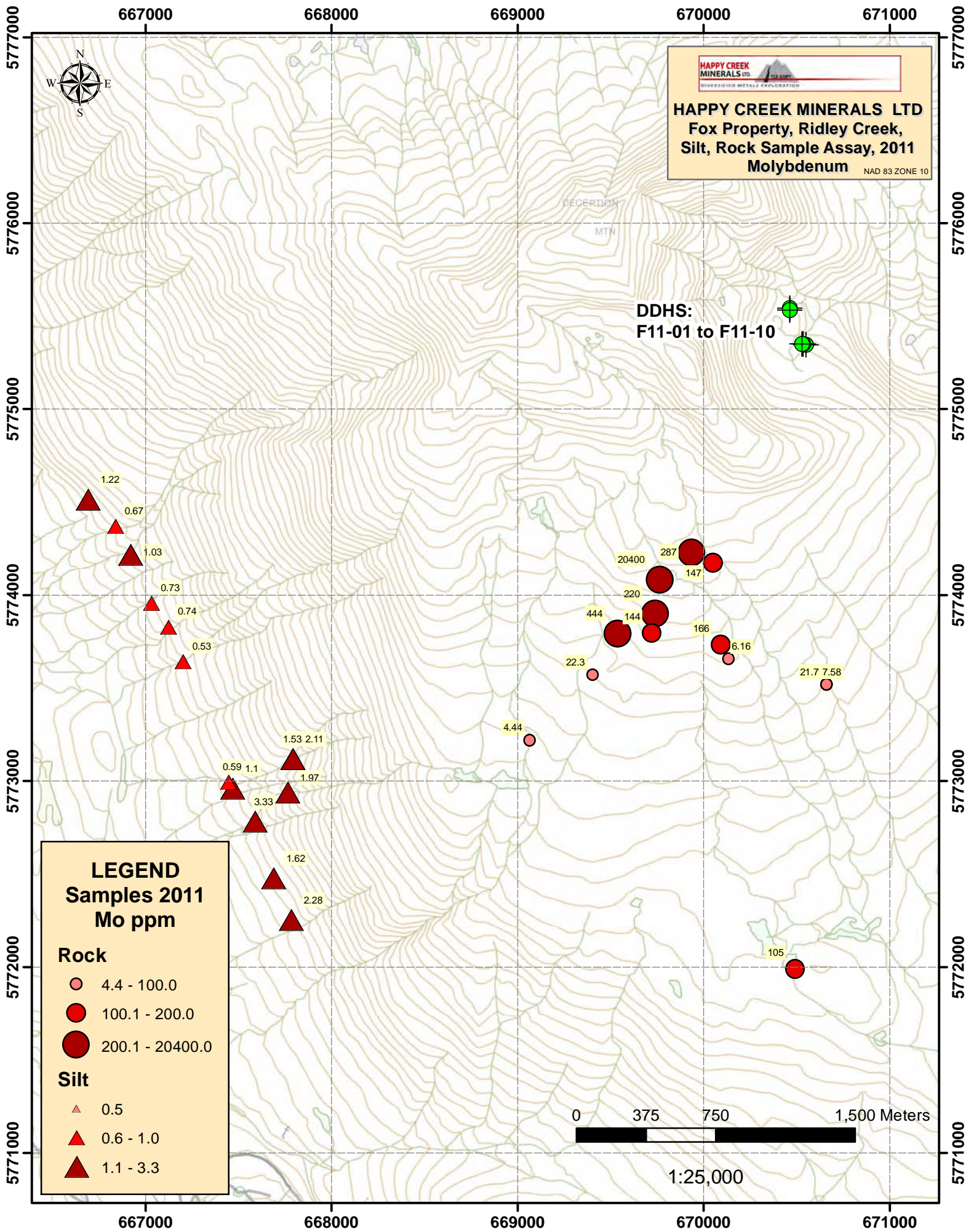


Fig. 7

670400

670450

670500

670550

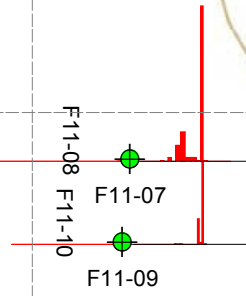


**HAPPY CREEK MINERALS LTD.**  
 DIVERSIFIED METALS EXPLORATION

**HAPPY CREEK MINERALS LTD**  
 Fox Property, Ridley Creek  
 2011 DDHs, WO3 %  
 NAD 83 ZONE 10

5775550

5775550



5775500

5775500

5775450

5775450

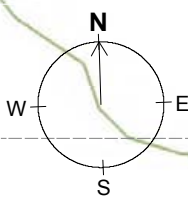
BAR GRAPHS L/R COL  
 WO3% R █

**PLAN SPECS:**

REF. PT. E, N 670500 m 5775000 m  
 EXTENTS 104.1 m 314.4 m

5775400

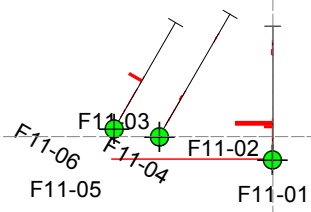
5775400



**HAPPY CREEK MINERALS**  
**FOX PROPERTY**  
 2011 Diamond Drill Holes  
 Plan View of Tungsten Anomaly

5775350

5775350



**Fig 8** 1:1,000

670400

670450

670500

670550

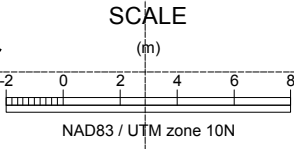


NUMBER BANDS	L/R	COL	RANGE
WO3%	L	[Color swatches]	0.173 0.019 0.009 0.006

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

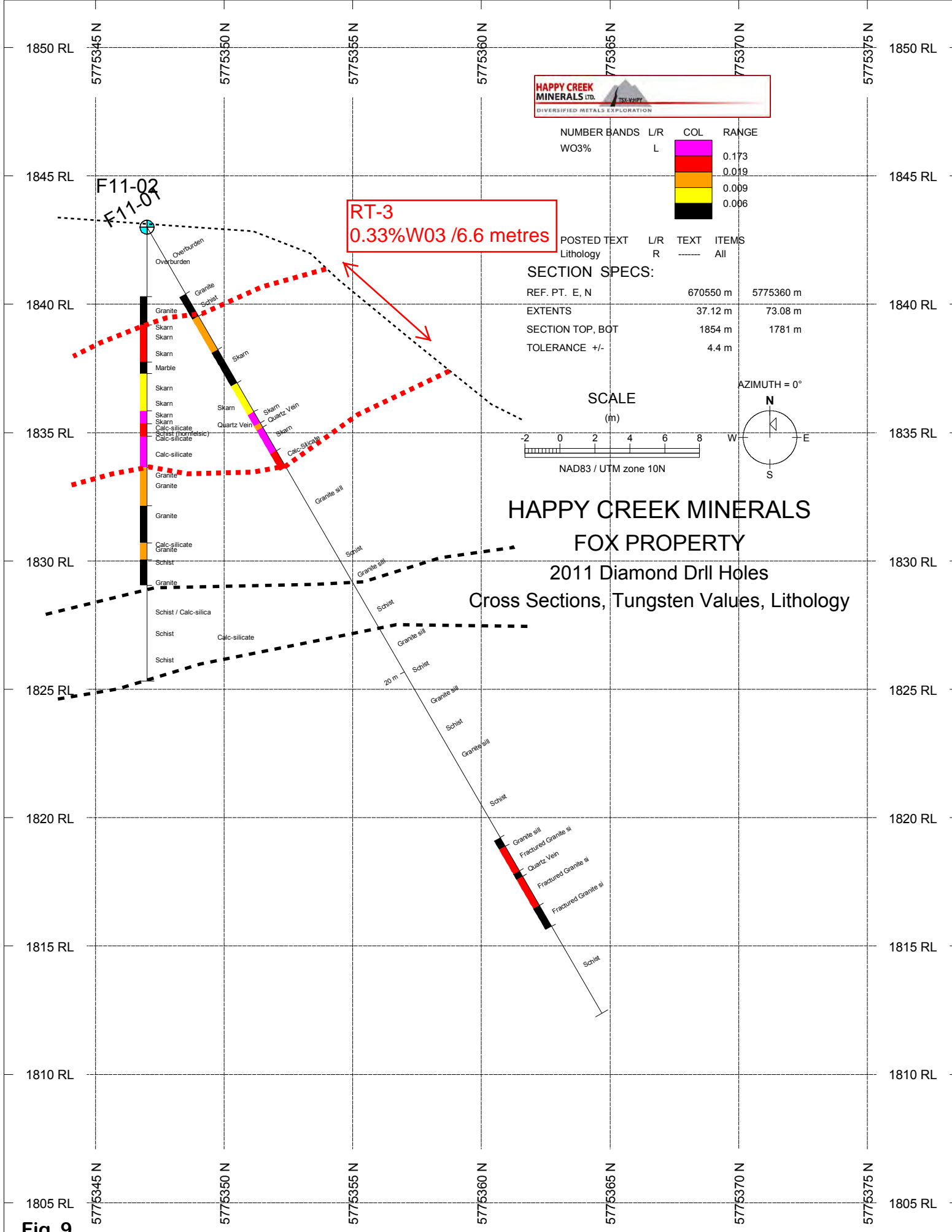
**SECTION SPECS:**

REF. PT. E, N	670550 m	5775360 m
EXTENTS	37.12 m	73.08 m
SECTION TOP, BOT	1854 m	1781 m
TOLERANCE +/-	4.4 m	



**HAPPY CREEK MINERALS  
FOX PROPERTY**

**2011 Diamond Drill Holes  
Cross Sections, Tungsten Values, Lithology**



**RT-3**  
0.33% WO3 / 6.6 metres

F11-02  
F11-01

**Fig 9**

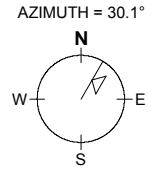
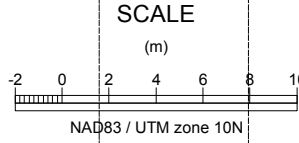


NUMBER BANDS	L/R	COL	RANGE
WO3%	L		0.173
			0.019
			0.009
			0.006

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

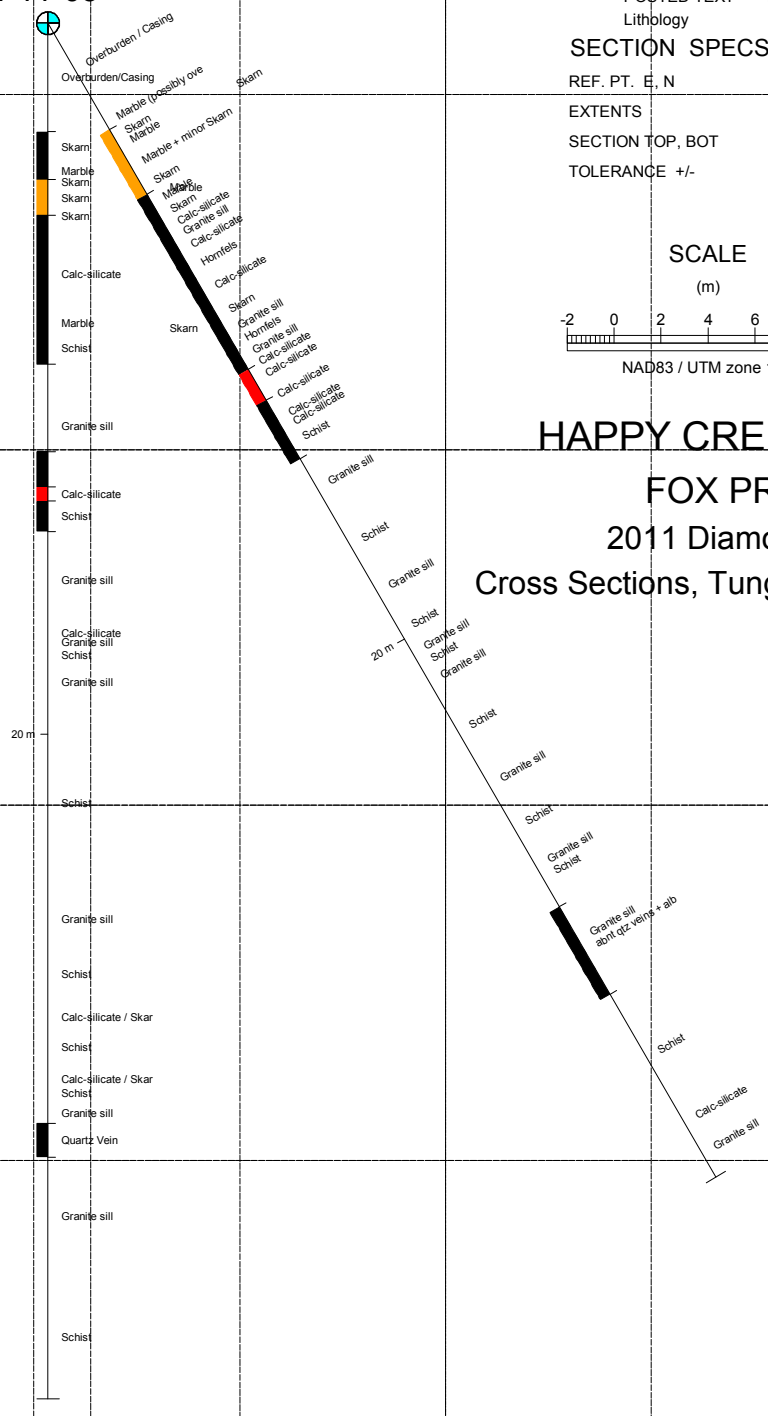
**SECTION SPECS:**

REF. PT. E, N	670540 m	5775360 m
EXTENTS	45 m	88.58 m
SECTION TOP, BOT	1856 m	1767 m
TOLERANCE +/-	2.165 m	

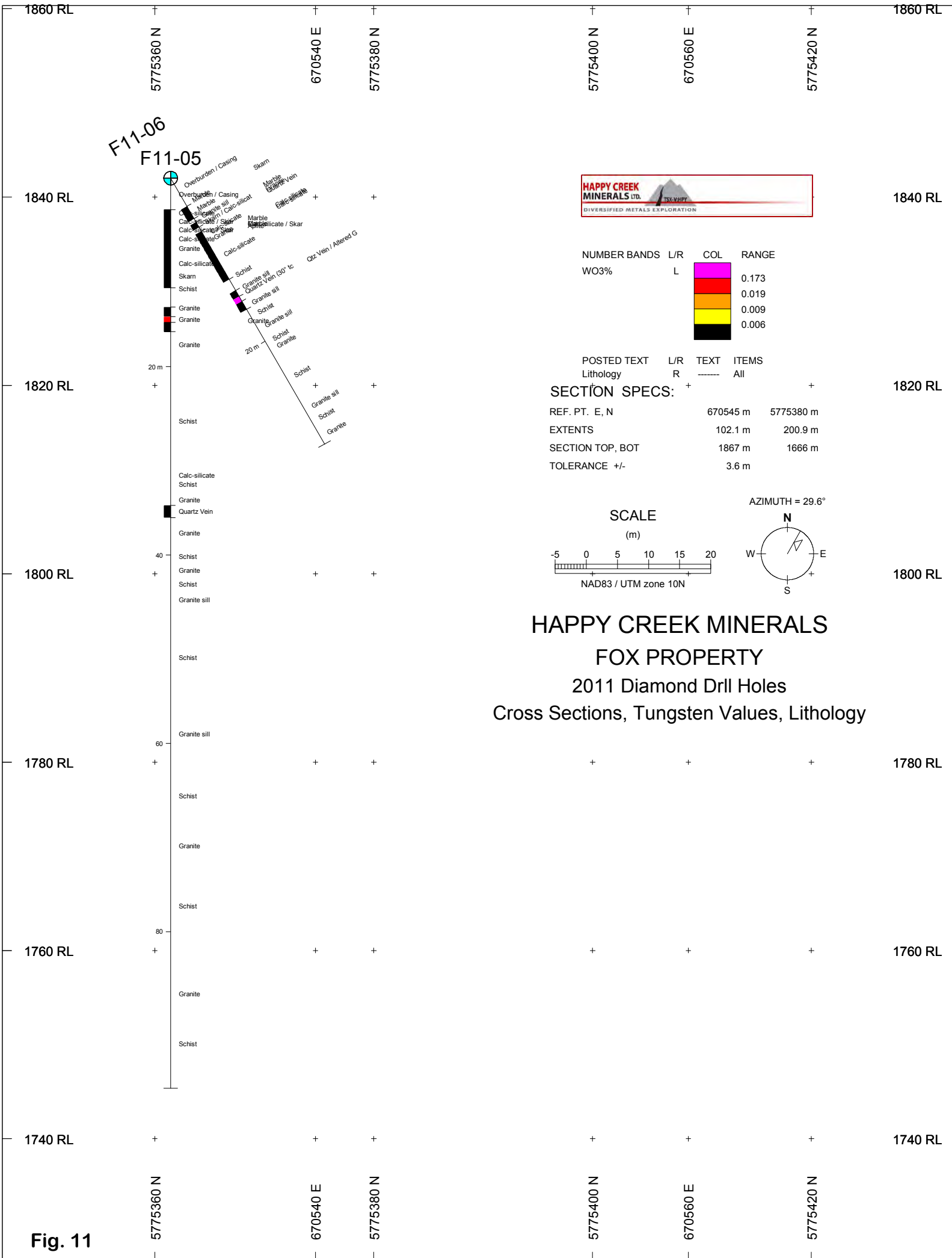


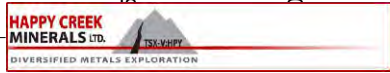
**HAPPY CREEK MINERALS**  
**FOX PROPERTY**  
 2011 Diamond Drill Holes  
 Cross Sections, Tungsten Values, Lithology

F11-04  
 F11-03



**Fig. 10**



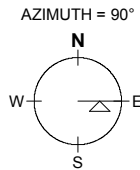
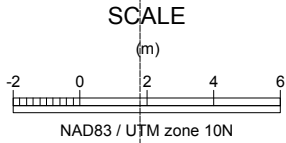


NUMBER BANDS	L/R	COL	RANGE
WO3%	L	(Color swatch)	0.173
		(Color swatch)	0.019
		(Color swatch)	0.009
		(Color swatch)	0.006

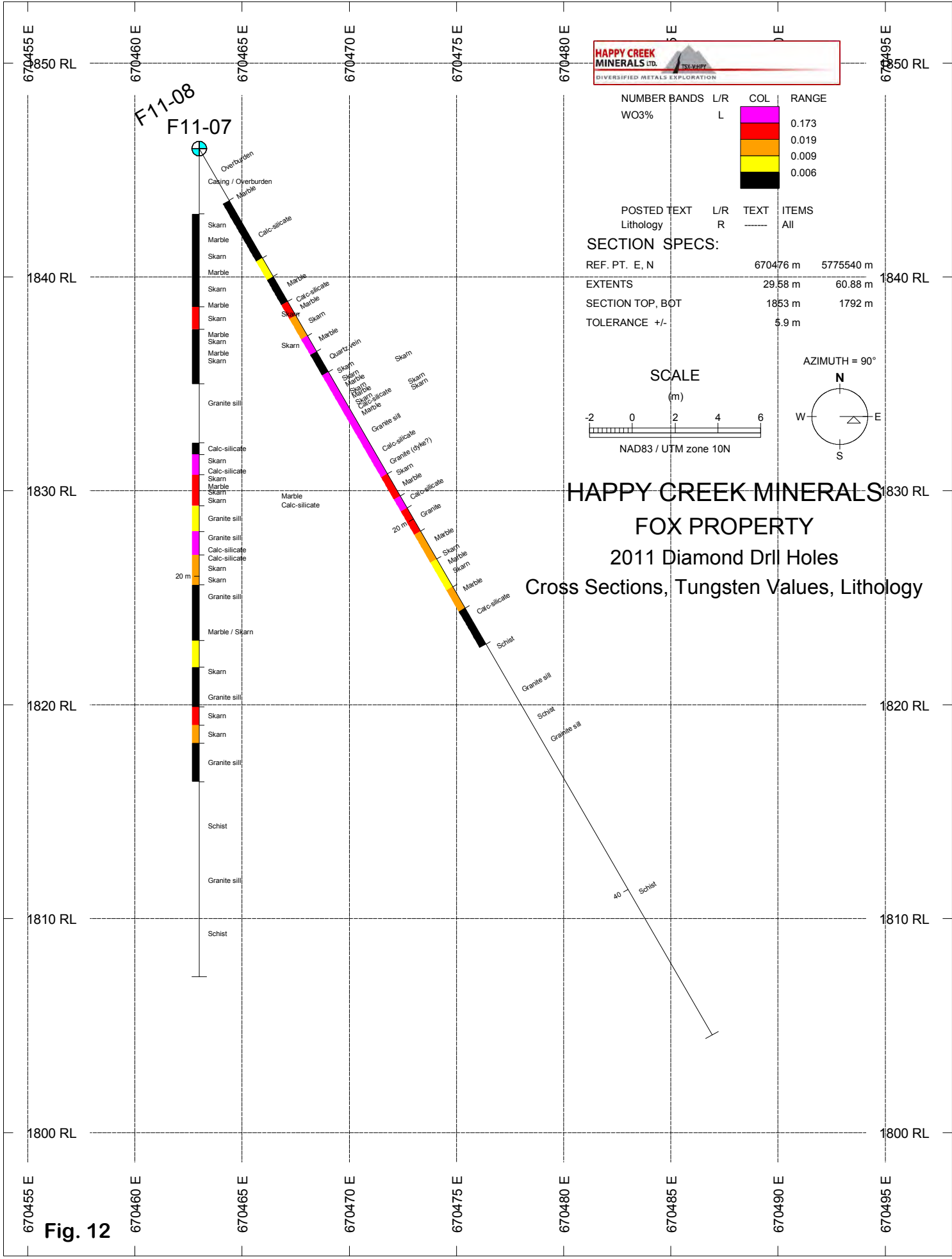
POSTED TEXT	L/R	TEXT	ITEMS
Lithology	R	---	All

**SECTION SPECS:**

REF. PT. E, N	670476 m	5775540 m
EXTENTS	29.58 m	60.88 m
SECTION TOP, BOT	1853 m	1792 m
TOLERANCE +/-	5.9 m	



**HAPPY CREEK MINERALS**  
**FOX PROPERTY**  
**2011 Diamond Drill Holes**  
**Cross Sections, Tungsten Values, Lithology**



**Fig. 12**

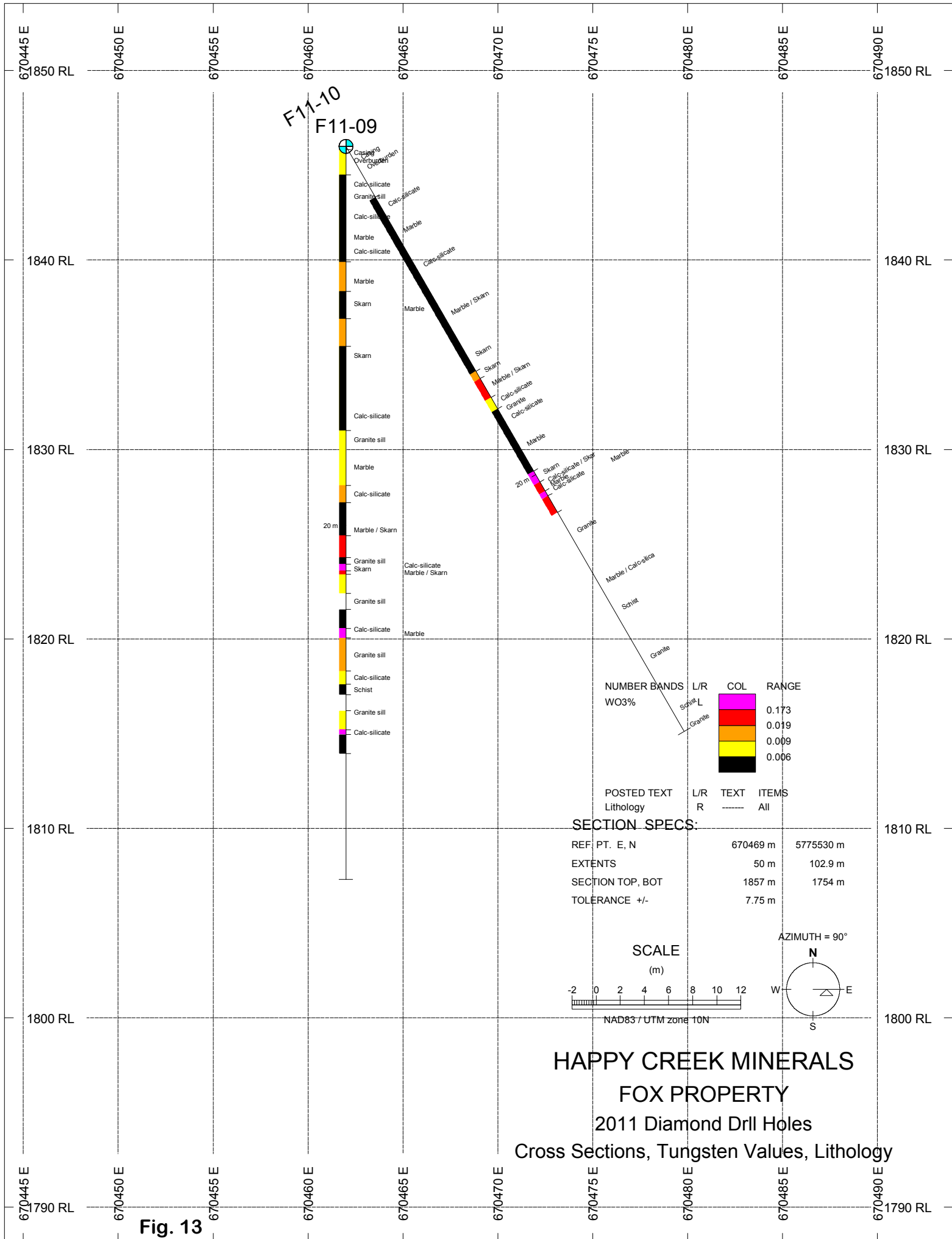
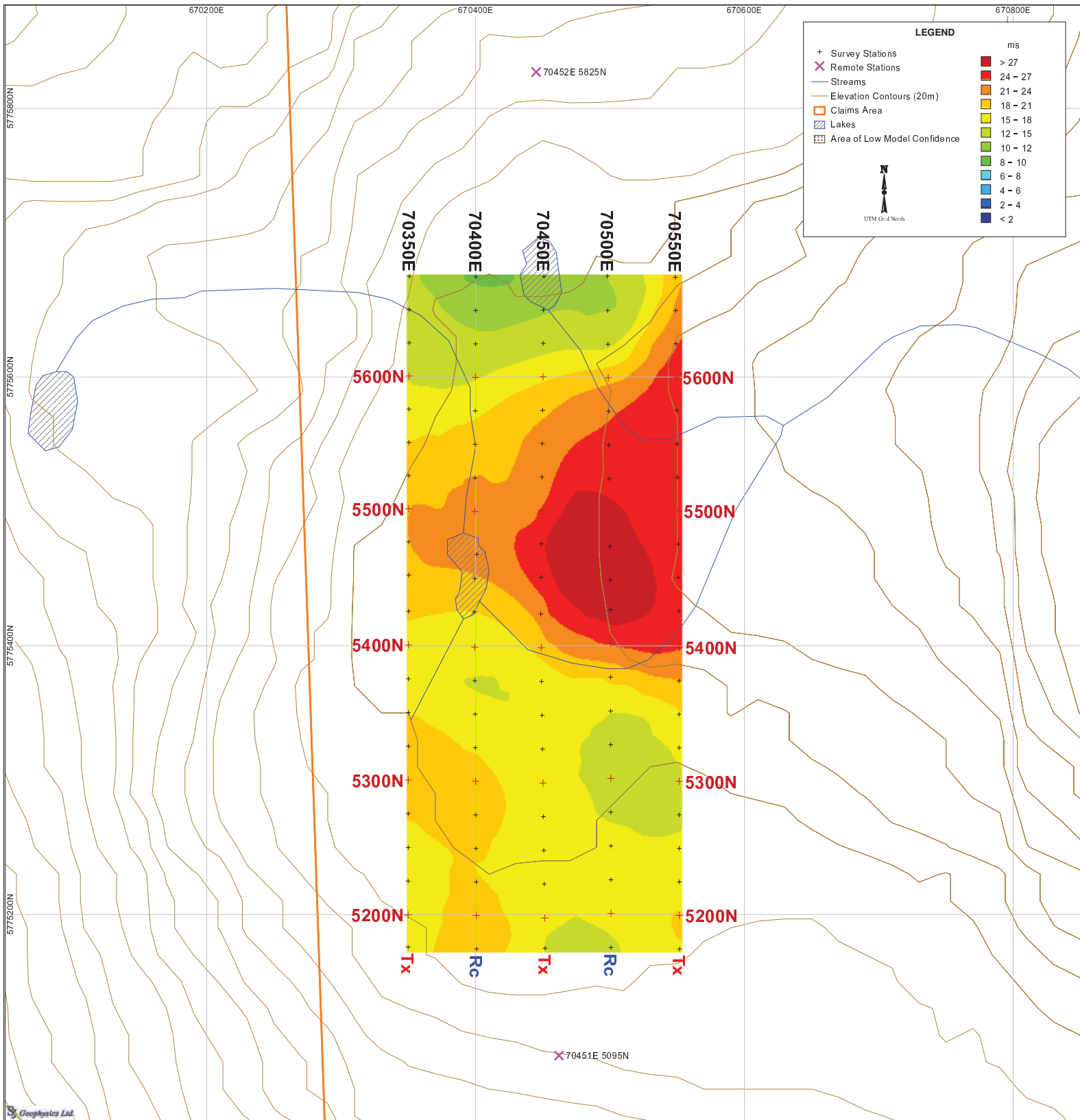


Fig. 14



Project Information:  
 Survey by: S.J. Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

Instrumentation:  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 18-Nov-2011

Planmap  
 3D Inversion Model

Depth: 75m Below Topography



**Happy Creek Minerals Ltd.**  
**Interpreted Chargeability (ms)**  
**Fox Grid**  
 100 Mile House, British Columbia

# Appendix 1

## Diamond Drill Holes Logs

Hole ID: F11-01			North: 5,775,347		Happy Creek Minerals Fox Project										Azimuth: 360°		Casing: 4.57m		Start Date: Aug 19, 2011									
Site/Zone: RT1-5			East: 670,550												Depth: 35.36m		End Date: Aug 25, 2011											
			Elevation: 1843 masl		Core Size: NQ2										Geologist: B. Meyer													
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Fracs 0-5	W (%)	Mo (ppm)					
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca		
0.00	3.00	Ovbn	Overburden																									
3.00	3.40	Granite	lt gy; f-med gr; 2-3% biot often with lim halos; 2% pinkish brown garnet; unaltered except wk patchy lim near bottom; few x-cutting fracs + wk lim @ 45° tca; sharp lwr contact @ 65 tca (sill).	3.00	3.40	E5266260																			1	<0.005		
3.40	4.00	Schist	qtz-biot-musc; thin biot-rich bands (wkly lim); well fol @ 65° tca; few scattered pinkish brown garnet porphyroblasts; locally slightly chloritic; bottom 5cm 1-2% diss py; locally tr sc (scheelite); bottom 10 cm grading to calc-silicate hornfels.	3.40	4.00	E5266261	tr				tr															1	<0.005	
4.00	10.05	Skarn	mottled/banded pinkish brown-grey green-white; abnt to localized pinkish brown garnet porphyroblasts (spessartine-almandine?) up to 2cm both scattered & banded; blebs & bands lt gy gn pyroxene (hedenbergite-johannsenite?); irreg bands & blebs white mineral; commonly weak-mod patchy-perv clay altered & wk calcite; tr-0.1% sc; tr-0.5% po diss & clstrs; 5 fracs/m (55-60 tca) with wk lim coating; banding 55-60 tca;	4.00	5.50	E5266262			tr-5		tr-1			3	2			2							1	0.013		
			7.70: smokey grey qtz vein (2cm) @ 75 tca.																						100			
			8.30-8.80: mottle/wkly banded; smokey grey qtz lenses & mtx common; 1-2% sph clstrs; 1% po clstrs often enveloped by sph; tr cp with po; 0.5-1% sc diss & lesser clstrs.	8.30	8.80	E5266265		tr	1	1-2	.5-1		1	2	3										2	0.335		
			8.80-9.00: qtz vein; white; mnr smokey gy; tr sph clstrs; irreg contacts @ 60-70 tca; 5-10 fracs/m.	8.80	9.00	E5266266				tr															100		0.014	
			9.00-10.05: mottled; part with intrusive txtr; biot replaced by 1-2% po; 2-3% diss sc; 1-2% sph diss & frac fil with tr cpy-py; few x-cutting fracs @ 0-30 tca, part with ser-calcite coating; occ qtz(-calcite) vnlet @ 0-20 tca.	9.00	10.05	E5266267	tr	tr	1-2		2-3			3	2										2	1	2	1.541





Hole ID: F11-02		North: 5,775,347		Happy Creek Minerals Fox Project										Azimuth: n/a		Casing: 3.05m		Start Date: Aug 26, 2011										
East:		East: 670,550												Dip: -90°		End Date: Aug 27, 2011												
Site/Zone: RT1-5		Elevation: 1843 masl												Depth: 17.68m		Geologist: B. Meyer												
														Core Size: NQ2														
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Fracs	W (%)	Mo (ppm)					
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca	0-5	
0.00	2.70	Ovbn	Overburden																									
2.70	3.80	Granite	pale grey-white; f-m gr; bleached (tr biot); mnr musc; limonitic fracs @ 10°, 50-75° tca (10-20/m); chilled margin, indistinct contact; no sulfides.	2.70	3.80	E5266275																		3			<0.005	
3.80	5.25	Skarn	mottled/banded pinkish brown garnet, pale-med gy gn pyroxene, & white silicate, tr brown vesuvianite; banding @ 75-85 tca; 5-10 fracs/m @ 45 & 70-80 tca; occasional qtz lens or bleb.	3.80	5.25	E5266276								2	3		1						1		2		0.017	
			3.80-3.95: 2-4% po, 1-2% sph clstrs, 0.1% scheelite (scattered xls).																									
			3.95-4.60: tr scattered sc xls.																									
5.25	5.70	Marble	pl gn & wh; f-m xl; <5% pinkish brown garnet	5.25	5.70	E5266277																					0.017	
5.70	7.15	Skarn	mot/banded pinkish brown garnet, pale-med gy gn pyroxene, & white silicate, tr brown vesuvianite; pts qtztc (pl gy, stretched xls); banding @ 75-90 tca; tr po clstrs.	5.70 Dup	7.15 Dup	E5266278 E5266279			tr					2	3		1							1				
			6.80-6.90: tr sc specks.																									
7.15	7.65	Calc-Silicate	lt-med gy gn (pyroxene); bottom 5cm light pinkish brown garnet (skarn); unoriented; not fractured.	7.15	7.65	E5266280																					6.698	
			7.15-7.50: 3-5% diss scheelite (1-2mm xls); 1-2% po & 1% sph clstrs.						1-2	1	3-5				3													
			7.50-7.65: 2-3% sc (scattered m-c gr xls 5-10mm); 1-2% po & 1-2% sph clstrs.						1-2	1-2	2-3		1	3														
7.65	7.75	Qtz Vein	pl gy; tr po clstrs & rr sc specks; irreg contacts @ ~90 tca.	7.65	8.15	E5266281			tr		rr												100			0.034		
7.75	7.90	Calc-Silicate	lt-med gn; hornfelsic; 0.5% po & 0.5% sph clstrs, tr sc specks; few pl gy qtz lenses.						0.5	0.5	tr			3									1					



Hole ID: F11-03			North: 5,775,350		<b>Happy Creek Minerals</b> Fox Project										Azimuth: n/a		Casing: 3.05m		Start Date: Sep 07, 2011								
Site/Zone: RT1-5			East: 670,535												Depth: 38.71m		End Date: Sep 08, 2011		Geologist: B. Meyer								
			Elevation: 1842 masl		Core Size: BQ																						
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Fracs 0-5	W (ppm)	Mo (ppm)				
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca	
0.00	3.05	Ovbn	Overburden																								
3.05	5.70	Skarn	mottled gn & pinksh brn (pyroxene-garnet); pts banded @ 75 tca; 5-10 fracs/m @ 0-20 & 75 tca; top 30cm wkly lim.	3.05	4.40	E5266287	tr		tr															2	<0.005		
			3.90-4.40: Marble: scattered garnet porphyroblasts.																								
			4.40-4.50: 0.1% scattered scheelite.				tr		tr		0.1																
			4.50-4.70: Marble: mottled; pl gn & wh (silicated).																								
			4.70-5.15: tr scattered scheelite specks				tr		tr		tr																
5.70	8.40	Calc-silicate	pl-lt-med gy gn - gn; banded/fol @ 75 tca; occ thin skarn band (pyroxene + garnet); tr po clstrs, tr py; 5-10 fracs/m, some with lim coating @ 30-45 & 75 tca.	5.40	6.70	E5266290	tr		tr															2	<0.005		
			6.70-7.20: mainly wh aplite + schistose hornfels; mnr calc-silicate.	6.70	7.20	E5266291																					
			8.20-8.40: grading to hornfels; rare sc speck.	7.20	8.65	E5266292																					
8.40	8.50	Marble	pl gn gy; scattered garnet lenses & porphyroblasts.				tr		tr		rr																
8.50	8.65	Skarn	mot/banded pl-lt gy gn (pyroxene) & pinkish brown (garnet); banding @ 80 tca; 2 fracs with lim coating @ 25 & 10 tca; no sulfides; rr sc speck.								rr		3	2										2			
8.65	9.60	Schist	qtz-biot-ser; hnfelsic; banding/fol @ 75 tca; tr py dis; 5-10 fracs/m sb// to fol.	8.65	9.60	E5266293	tr																	2	<0.005		
9.60	13.05	Granite	pl wh gy; f-m gr; musc; occ interval with biot; wk-mod selective ser alt'd fdspr; no sulfides; lwr contact @ 60 tca, upr contact @ 75 tca.				tr																				
			10.90-11.80: lim fracs com (20/m) @ 55-75 tca; tr py & rr cp on unoxidized frac sfc.				tr		rr																		
			12.05-12.40: pl gy gn wk perv ser-sil alt'n + tr dis py enveloping 2 thn qtz vnls (up to 2cm) @ 45 tca	12.05	13.05	E5266294	tr						1-2													<0.005	

Hole ID: F11-03		North: 5,775,350		Happy Creek Minerals Fox Project										Azimuth: n/a		Casing: 3.05m		Start Date: Sep 07, 2011									
Site/Zone: RT1-5		East: 670,535												Depth: 38.71m		End Date: Sep 08, 2011											
		Elevation: 1842 masl												Geologist: B. Meyer													
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5					Veins (%)		Fracs	W (ppm)	Mo (ppm)					
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl				Ep	Ksp	Qz	Ca	0-5
13.05	13.45	Calc-silicate	pl gy gn; wk-mod perv ser-sil with 2 thn zones of 0.1% dis sc (13.05-13.10m) & 0.5% sc (13.25-13.40m).	13.05	13.45	E5266295					tr-1			1-2									5		2	0.058	
13.45	14.30	Schist	qtz-biot, locally sericitic; well fol / banded @ 80 tca; 5-10 fracs/m sb// to fol; no sulfides.	13.45	14.30	E5266296																				<0.005	
14.30	19.05	Granite	pl gy-gy gn & whitish; m gr; <5% biot, 1% musc; pts bleached; wk ser alt'd fdsprs; 5-10 fracs/m @ 50-70 tca, occ lim; rr dis po-py; occ pl gy qtz vnl up to 2cm @ 50, 75 & 10 tca; locally few garnet xls; sharp upr & lwr contacts @ 75° // to schist fol.				rr		rr														1		2		
			17.05-17.25: Calc-silicate: hornfelsic; schistose; few thn bands with garnet (skarn); rr scattered sc; tr po clstrs.						tr		rr																
			17.55-18.0: Schist: qtz-biot-ser; well fol @ 60-75 tca.																								
			18.60: 2cm of fine drill cuttings or possible fault gouge // to fol @ 75 tca.																								
19.05	24.80	Schist	qtz-biot; occ interval with ser; occ thn band garnetiferous; well fol @ 75-80 tca; tr po clstrs; 5-10 fracs/m commonly // to fol; mnr thn qtz vnlt (<.5cm) commonly // to fol.						tr															2		2	
24.80	25.60	Granite	commonly bleached; v mnr musc; thn intervals with biot; locally scattered garnets; wky ser alt; upr contact @ qtz-fdspr vn (3cm) @ 40 tca; sharp lwr contact @ 60 tca; no sulfides.																							2	
25.60	30.40	Schist	qtz-biot; occ interval with ser; occ thn band garnetiferous; well fol @ 80 tca; tr dis po; 5-10 fracs/m commonly // to fol; 2% thn qtz vnlt & lenses sb// to fol.						tr															2		2	



Hole ID: <b>F11-04</b>			North: 5,775,350		<b>Happy Creek Minerals</b> Fox Project										Azimuth: 030°		Casing: 3.05m		Start Date: Sep 09, 2011							
East:			East: 670,535												Dip: -60°		End Date: Sep 10, 2011									
Site/Zone: RT1-5			Elevation: 1842 masl												Depth: 37.49m		Geologist: B. Meyer									
Core Size: BQ																										
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Fracs 0-5	W (%)	Mo (ppm)			
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca
0.00	3.05	Ovbn	Overburden																							
3.05	3.45	Marble	pl gn gy; thn med gy bands @ 50 tca; probably a boulder (ovbn?).																							
3.45	4.25	Skarn	med gy gn; pts with pinkish brn garnet porphyroblasts & thn garnetiferous bands @ 50 & 70 tca; tr py-po clstrs; top 5cm tr sc specks; few lim fracs @ 40 & 30 tca.	3.45 Blank	5.10 Blank	E5266298 E5266299	tr		tr		tr													2	0.015 <0.005	
			3.95-4.05: Marble: banding @ 70 tca.																							
4.25	5.10	Marble	pl gn gy with scattered pinkish brn garnet porphyroblasts; occ mot gn & brn skarn patch (pyroxene-garnet-vesuvianite) with tr dis sc specks; tr po-py dis, frac fils & clstrs; 10-20 fracs/m, some with lim coatings.				tr		tr	rr				1	1		1							3		
5.10	5.55	Skarn	mot gn & pinkish brown & pl gy-wh (pyroxene-garnet-vesuvianite); pt banded @ 65 tca; tr py-po dis & clstrs; rr sc bearing fracs @ 40-55 tca (5-10/m).	5.10	5.55	E5266300	tr		tr		rr			2	3		2							2	0.015	
5.55	6.15	Marble	pl gn gy; thn med gy bands @ 65 tca; locally scattered pinkish brn garnet porphyroblasts; 1-5 fracs/m sb// to banding.	5.55	6.40	E5266301																		1	<0.005	
6.15	6.40	Skarn	wh, gn & pinkish brn (pyroxene & garnet); pt banded @ 65 tca; few fracs @ 30 & 65 tca; tr po-py dis & clstrs; tr dis sc specks.				tr		tr		tr			2	3									2		
6.40	7.75	Calc-silicate	lt gy gn & med gn gy; commonly banded @ 65 tca; f gr; wk chlor alt; pts schistose; tr po>py dis & clstrs; occ thn garnetiferous bands (<1cm wide); 5-10 fracs/m @ 40 tca & sb// to banding	6.40	7.75	E5266302	tr		tr								1							2	<0.005	

From (m)		To (m)	Rock type	Description	Assay Interval			Mineralization (%)					Alteration: 1-5						Veins (%)		Frac	W (%)	Mo (ppm)				
					From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep	Ksp	Qz	Ca	0-5		
Hole ID: F11-04				North: 5,775,350	<b>Happy Creek Minerals</b> Fox Project							Azimuth: 030°		Casing: 3.05m		Start Date: Sep 09, 2011											
East:				East: 670,535								Dip: -60°		End Date: Sep 10, 2011													
Site/Zone: RT1-5				Elevation: 1842 masl								Depth: 37.49m						Geologist: B. Meyer									
												Core Size: BQ															
7.75	8.25	Hornfels	brownish black biot; schistose; gradational contacts; 2cm qtz vnlit // to fol @ 65 tca; no sulfides.	7.75	8.25	E5266303																	4		2	<0.005	
8.25	9.25	Calc-silicate	lt gy gn & med gn gy; commonly banded; f gr; wk chlor alt; pts schistose; occ thn garnetiferous bands (<1cm wide) & hornfels bands; tr po>py dis & clstrs; 5-10 fracs/m @ 40 tca & sb// to banding	8.25	9.80	E5266304	py		tr											1					2	<0.005	
9.25	9.80	Skarn	lt-med gy gn & pinkish brn (pyroxene-garnet-vesuvianite); top 5cm whitish pt mot; pts banded @ 50-65 tca; tr po-py dis; few fracs @ 30-40 tca (mnr lim).				tr		tr						2	3		2							2		
9.80	11.25	Granite	pl gn gy; bleached; f-med gr; musc; wk ser & chlor alt; few f gr aplite fingers; tr po-py dis & frac fils; part densely fractured & limonitic; qtz-fdspr infills @ 20-65 tca. 10.30-10.60 & 11.15-11.25: Hornfels: biot; schistose.	9.80	11.25	E5266305	tr		tr								1			1				5		3	<0.005
11.25	13.20	Calc-silicate	salt & pepper pl-lt gn & pl gy; f-med gr; unoriented; appears as intrusive txtr; wk-mod ser fracs & flakes; wk chlor alt; 10-20fracs/m @ 20-40 & 50-80 tca, some lim; tr po-py dis & frac fils; locally rr cpy. 11.30-11.90: tr-0.1% sc dis & along fracs. 12.65-13.10: tr-0.1% sc dis.	11.25	12.25	E5266306	tr	rr	tr							1			1						3	0.052	
					12.25	13.20	E5266307																				<0.005
13.20	14.15	Schist	qtz-biot; thn intervals biot-ser; pts hornfelsic; well fol @ 75-80 tca; 10-20 fracs/m @ 10-30 & 50-80 tca, often lim; tr dis po.	13.20 Dup	14.15 Dup	E5266308 E5266309			tr																	<0.005 <0.005	





Hole ID: F11-05		North: 5,775,351		Happy Creek Minerals Fox Project										Azimuth: n/a		Casing: 3.35m		Start Date: Sep 10, 2011									
Site/Zone: RT1-5		East: 670,529												Depth: 96.62m		End Date: Sep 12, 2011											
		Elevation: 1842 masl		Core Size: BQ										Geologist: B. Meyer													
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Fracs	W (ppm)	Mo (ppm)				
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca	0-5
0.00	3.35	Ovbn	Overburden																								
3.35	4.00	Calc-silicate	lt gn; f gr; few pinkish brn garnetiferous bands @ 80 tca; tr-1% dis po; v blocky with few lim fracs; includes 2 pl gy qtz vns (5cm each) @ 80 tca.	3.35	4.00	E5266312			1															25	2	<0.005	
4.00	4.40	Marble	whitish with green specks; occ garnet & vesuvianite xls; v blk core.	4.00	4.40	E5266313																					<0.005
4.40	5.80	Skarn / Calc-silicate	pts mot gn-pinkish brn-wh; pts lt-med gy gn with pinkish brn garnet bands & lenses; bands @ 60-65 tca; tr po clstrs & dis; sparse fracs; competent core.	4.40	5.80	E5266314			tr						1	3										1	<0.005
			4.75-4.85: Marble with garnet porphyroblasts.																								
			4.90-5.15: Aplite with perv sil alt margins.																								
5.80	7.00	Calc-silicate	lt-med gn; commonly banded @ 40-70 tca; tr dis po; mnr fracs @ 10-40 tca with lim coatings; pt lt gy qtz vnlts (1-3mm) sb// to banding.	5.80	7.00	E5266315			tr						1	2								3	2	<0.005	
7.00	8.00	Granite	pl gy & gn gy; f-m gr; unoriented; bleached (no mafics); wk ser alt (fdsprs); pt with lim fracs @ 15, 40 & 80 tca; tr dis po; upr contact @ pl gy qtz vn (7cm) @ 50 tca; lwr contact chilled sil alt margin.	7.00	8.00	E5266316			tr																	3	<0.005
8.00	10.10	Calc-silicate	lt-med gn; mainly banded @ 70 tca; few thn garnetiferous bands; tr dis po.	8.00	10.10	E5266317			tr						1	2										2	<0.005
			8.60-8.90: Granite sill																								
10.10	10.65	Skarn	mot / banded lt-med gn-pinkish brn-mnr wh; bands @ 75 tca; no sulfides; 1 visible speck sc; few thn qtz vnlts; top 5cm marble with garnet porphyroblasts.	10.10 Std	10.65 Std	E5266318 E5266319									3	3								1	1	<0.005 0.391	

Hole ID: F11-05		North: 5,775,351		<b>Happy Creek Minerals</b> Fox Project										Azimuth: n/a		Casing: 3.35m		Start Date: Sep 10, 2011									
Site/Zone: RT1-5		East: 670,529												Depth: 96.62m		End Date: Sep 12, 2011											
		Elevation: 1842 masl												Geologist: B. Meyer													
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Fracs	W (ppm)	Mo (ppm)				
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca	0-5
10.65	12.90	Schist	qtz-biot; few thn intervals ser-biot; well fol @ 60-80 tca; tr dis po; sparse fracs with lim coatings @ 50-80 tca.	10.65	11.65	E5266320			tr														2	<0.005			
12.90	20.05	Granite	pl gy & gn gy; f-m gr; bleached (no mafics); mnr musc; wky ser alt, pts mod ser fracs; v rr po-py clstrs; upr & lwr sharp contacts sb// to fol.	13.70	14.70	E5266321	rr		rr																<0.005		
			14.70-15.30: dense fracs with abnt pl gy qtz vnlt (irreg, x-cutting, up to 3cm, @ 30-40 tca); lim fracs with rr sc specks + py-po-cp-sp clstrs.	14.70	15.30	E5266322	rr	rr	rr	rr	rr											20	4	0.022	<0.005		
			15.05-15.25: 0.5% sc in fracs.								0.5																
			16.50-17.05: biot schist.																								
20.05	33.50	Schist	qtz-biot; few thn intervals ser-biot; well fol @ 75-80 tca; occ thn interval calc-sil with rare garnetiferous band (commonly <5cm); locally tr py clstrs; sparse fracs/qtz vnlt mainly sb// to fol.				rr																1				
			27.55-31.85: few aplite/granite fingers cutting schist commonly // to fol (sills); bleached intrusives; wky ser; locally tr py dis.				rr																				
			31.50-31.55: Calc-silicate with few sc specks adj to granite sill.								tr																
33.50	39.30	Granite	pl gy & crmy; f-m gr; commonly strong albite(?) + mod ser alt; tr dis py.				tr																				
			33.75-33.95: Qtz Vn: lt gy; tr po-py clstrs; sharp upr contact @ 75 tca; sharp lwr contact @ 45 tca.				tr		tr														100				
			33.95-34.75: irreg pl-lt gy qtz vnlt / lenses com @ various orientations.				tr		tr														10	4			
			34.75-36.05: Qtz Vn: pl-lt gy; v mnr alt'd granite inclusions; tr po-py clstrs & infills; irreg contacts @ 10-20 tca.	34.75	36.05	E5266324	tr		tr														100		<0.005		
			36.05-36.50: pl-lt gy qtz vnlt com; irreg; various orientations.																				10				
39.30	41.00	Schist	qtz-biot; well fol @ 70 tca; no sulfides.																				1				

Hole ID: F11-05		North: 5,775,351		<b>Happy Creek Minerals</b> Fox Project										Azimuth: n/a		Casing: 3.35m		Start Date: Sep 10, 2011														
Site/Zone: RT1-5		East: 670,529												Depth: 96.62m		End Date: Sep 12, 2011																
		Elevation: 1842 masl												Geologist: B. Meyer																		
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5					Veins (%)		Fracs	W (ppm)	Mo (ppm)										
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl				Ep	Ksp	Qz	Ca	0-5					
41.00	42.20	Granite	bleached; wk-mod ser alt; few irreg pl-lt gy qtz vnlt @ 10-50 tca; no sulfides; sharp contacts sb// to fol.																				2					4		3		
42.20	44.00	Schist	qtz-biot; occ thn interval with tr po.																											1		
44.00	45.60	Granite	bleached; wk ser alt; sharp contacts // to fol.																					1-2						2		
45.60	56.25	Schist	qtz-biot; occ ser-biot interval; mod-well fol @ 65-75 tca; sparse pl gy qtz vnlt // to fol; no sulfides. 50.50-50.65 & 53.50-53.75: Granite sills; bleached.																									2		1		
56.25	61.80	Granite	pl & whitish; bleached; wk ser alt. 58.50-60.10: few pl-lt gy qtz vnlt (irreg & planar @ 15-40 tca); tr py clstrs; sharp contacts // to fol. 57.40-57.55 & 57.70-58.45: Schist intervals.																													
61.80	69.40	Schist	qtz-biot; mnr ser; well fol @ 80-85 tca; rr-tr po dis; few wh & pl gy qtz vnlt & lenses sb// to fol. 65.95-66.35: Granite: bleached; contacts oblique to fol @ 70 (upr) & 40 (lwr). 66.55-67.35: Granite: bleached; upr & lwr contacts oblique to fol @ 60 tca.																									1		2		
69.40	72.45	Granite	pl gy & crm; bleached; wk-mod ser alt; rr py clstrs; few pl gy qtz vnlt (irreg-planar @ 15 & 45-50 tca). 69.55-69.85: dens fracs commonly @ 10-40 tca; cly + chlor alt.																									4		3		
72.45	82.10	Schist	qtz-biot-mnr ser; mod-well fol @ 80-85 tca; intervals with rr dis po. 76.95-77.20: Granite: bleached; sill.																									1		1		
82.10	91.15	Granite	bleached; intervals with mnr biot; wk-mod ser alt. 87.90-88.85: mod dens fracs with few irreg pl gy qtz vnlt & lenses; mod ser alt; tr py clstrs.																									5		2		
																														4		

From (m)		To (m)	Rock type	Description	Assay Interval			Mineralization (%)					Alteration: 1-5					Veins (%)		Frac	W (ppm)	Mo (ppm)						
					From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep	Ksp	Qz	Ca	0-5			
91.15	96.62	Schist	qtz-biot-mnr ser; mod-well fol @ 80-85 tca; intervals with rr dis po.							rr																		
96.62		EOH	End of Hole																									

Hole ID: F11-05	North: 5,775,351	<b>Happy Creek Minerals</b> Fox Project	Azimuth: n/a	Casing: 3.35m	Start Date: Sep 10, 2011	
	East: 670,529		Dip: -90°		End Date: Sep 12, 2011	
Site/Zone: RT1-5	Elevation: 1842 masl		Depth: 96.62m	Geologist: B. Meyer		
			Core Size: BQ			



Hole ID: F11-06		North: 5,775,351		Happy Creek Minerals Fox Project										Azimuth: 030°		Casing: 3.05m		Start Date: Sep 12, 2011								
Site/Zone: RT1-5		East: 670,529												Depth: 32.61m		End Date: Sep 12, 2011		Geologist: B. Meyer								
		Elevation: 1842 masl		Core Size: BQ																						
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Frac	W-fusion (%)	Mo (ppm)			
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca
11.40	13.40	Schist	qtz-biot-ser; occ interval manily ser; mod-well fol @ 65-70 tca; hornfelsic @ upper contact; tr dis po; few fracs @ 30 tca x-cutting & sb// to fol; occ pl gy qtz vnl & 1 qtz vn (5cm) // to fol.	11.40	12.40	E5266333			tr													2		3	<0.005	
13.40	16.50	Granite	pl gn gy; com bleached; v mnr musc; few intervals with <5% biot; v rr pinkish garnets; wk-mod ser alt (fdsprs);sharp lwr contact // to fol; sparse limonitic fracs @ 50-70 tca; no sulfides.																			10		2		
			14.30-14.60: Qtz Vn: whitish-pl gy @ 30 tca; mod dens fracs with lim stain; ser alt'd granite lenses; med-c gr (5-10mm) sc xls + mas po>py>cp clstrs in fracs at lwr contact with granite.																			100		3		
			14.50-15.10: Qtz Vn contact & Granite: top 10cm of mineralized portion of qtz vn; granite is pl gy gn; perv sil-ser alt; wky oriented @ 50-70 tca; mod dens fracs (irreg & planar, some lim) @ 10-30 & 50-70 tca; occ qtz vnl (to 2cm) @ 70 tca with massive po>py clstrs & dis sc; alt'd granite has 0.1% dis sc (mainly specks + mnr med-c gr).	13.75	14.50	E5266334	rr	rr	tr		0.1		4									5		3	<0.005	
				14.50	15.10	E5266335																			0.592	
				15.10	16.10	E5266336																			<0.005	
16.50	17.50	Schist	qtz-biot-ser; mod-well fol @ 50-65 tca; occ thn garnetiferous / calc-sil band (<5cm); mnfr fracs @ 30-40 tca x-cutting & sb// to fol; tr dis po.						tr															2		
17.50	19.70	Granite	pl gy & crm; biot (5%)-musc (3%); wk ser alt (fdsprs); no sulfides; sharp contacts sb// to fol; sparse fracs; rr pl gy qtz vnl.																					1		
19.70	20.70	Schist	qtz-biot-ser; well fol @ 60-70 tca; tr dis po.						tr															2		
20.70	21.50	Granite	crm & pl gy; bleached; pl gy qtz veining abnt (vnlts & vns, lenses up to 3cm) @ 35-70 tca; wk-mod ser alt; rr py clstrs & frac fills @ 20-30 tca.				rr															15		3		







Hole ID: F11-07		North: 5,775,544		<b>Happy Creek Minerals</b> Fox Project										Azimuth: n/a		Casing: 3.05m		Start Date: Sep 14, 2011										
Site/Zone: RT6-7		East: 670,463												Depth: -90°		End Date: Sep 15, 2011												
		Elevation: 1846 masl												Depth: 38.71m		Geologist: B. Meyer												
														Core Size: BQ														
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5					Veins (%)		Fracs	W-fusion (%)	Zn (%)						
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep			Ksp	Qz	Ca	0-5		
20.40	21.50	Granite	pl-lt gy; bleached; wk ser alt; few pl-lt gy qtz vnlt (irreg // tca & planar @ 70 tca); no sulfides; 5cm peg at top @ 75 ta oblique to banding (55); sharp bottom contact @ 80 tca oblique to banding. 21.15-21.25: banded Skarn; tr dis po.	20.40	21.50	E5266354																					<0.005	
21.50	23.70	Marble / Skarn	70% Marble (pl gn wh) with garnet porphyroblasts; 30% Skarn intervals (mot / banded gn & pinkish brn, mnr brn vesuvianite); bands @ 60-75 tca. 21.50-21.70 & 22.70-23.15: Skarn: tr-1% dis po & tr sc specks.	21.50	23.00	E5266355								1	1		1										<0.005	
				23.00	24.25	E5266356																					0.006	
23.70	25.20	Skarn	mot gn (pyroxene) & pinkish brn (garnet) + mnr vesuvianite; thn wh intervals of silicated marble with garnet porphyroblasts; tr po clstrs; rr sc specks. 24.25-24.45: Granite sill.	24.25	25.20	E526357								3	2		1							2		2	0.005	
25.20	26.10	Granite	whitish-pl gy; bleached; rr mafics; wk ser alt; tr py on frac sfcs; sharp upr contact sb// to banding @ 75 tca; 5cm qtz vn @ lwr contact @ 60 tca.	25.20	26.10	E5266358	tr																	2		2	<0.005	
				Blank	Blank	E5266359											1									2	<0.005	
26.10	27.80	Skarn	commonly mot gn & pinkish brn + mnr brn (vesuvianite); banded (pyrox>>garnet) in bottom 40cm @ 65-75 tca; occ thn pl gn wh silicated marble band (<4cm wide); tr pl gy qtz bleb, vnlt; rr po clstrs incr to tr near bottom. 26.15-26.95: 0.5% dis sc. 27.75-27.80: hornfelsic schist.											2	3		1							1		2		
				26.10	26.95	E5266360																					0.127	
				26.95	27.80	E5266361																					0.012	
27.80	29.60	Granite	pl gy-gn gy; bleached; no mafics; <3% musc; wk-mod ser alt; tr py (frac ctgs, clstrs in rr qtz bleb); sharp upr & lwr contacts // to fol @ 75-80 tca (sill).	27.80	29.60	E5266362	rr										1									2	<0.005	
29.60	33.75	Schist	biot-qtz-ser; well fol @ 75-80 tca; tr-1% po clstrs, dis.																							2		



Hole ID: F11-08			North: 5,775,544		<b>Happy Creek Minerals</b> Fox Project										Azimuth: 090°		Casing: 2.44m		Start Date: Sep 19, 2011								
Site/Zone: RT6-7			East: 670,463												Depth: -60°		End Date: Sep 20, 2011										
			Elevation: 1846 masl												Depth: 47.85m		Geologist: B. Meyer										
															Core Size: BQ												
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Frac	W-fusion (%)	Zn (%)				
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca	0-5
0.00	2.80	Ovbn	Overburden																								
2.80	2.90	Marble	gn wh; scattered pinkish brn garnet & mnr brn vesuvianite porphyroblasts; no sulfides.	2.80	4.30	E5266363								1			1							0		<0.005	
2.90	6.90	Calc-silicate	mainly f gr banded lt & med gn; pts mot lt-med gn & pl gy (qtz); scattered garnetiferous bands; bands/fof @ 70-80 tca; pts with tr dis po.	4.30	5.90	E5266364			tr						3								2		2	<0.005	
			4.30-4.80: Skarn: mixed garnet-pyroxene-vesuvianite + mnr qtz lenses; tr dis po; 2 thn marble bands included.	5.90	6.90	E5266365																				0.007	
			5.60-5.90: few qtz veins @ 30-50 tca + garnet, mnr lim.																								
6.90	8.25	Marble	pl gn gy to wh; scattered pinkish brown garnet porphyroblasts; tr vesuvianite; few patches of mot gn & brn skarn; few intervals of hard silicated marble; rr dis po; sparse fracs.	6.90	8.25	E5266366			rr					2	1		1								1		<0.005
8.25	8.60	Calc-silicate	mot lt gn & gn gy; rr pinkish brn garnet; tr dis po; rr sc specks.	8.25	9.00	E5266367			tr		rr				3								1		1	0.029	
8.60	9.00	Marble	pl gn gy; pinkish brn garnet porphyroblasts v com; v mnr pyrox & vesuvianite; mnr pt silicated marble; no sulfides; rr scattered xc specks.								rr		2				1							2			
9.00	10.10	Skarn	lt gn pyrox>pinkish brn garnet; v mnr brn vesuvianite; wky banded/fof @ 70-90 tca; pts with garnet lenses; pts mot; tr dis po, tr dis sc specks.	9.00	10.10	E5266368			tr		tr		2	3			1						2		1	0.011	
				Dup	Dup	E5266369																				0.007	
10.10	10.95	Marble	pl gn gy; few irreg bands & lenses pinkish brn garnet + v mnr gn pyrox at top & bottom; few bands silicated marble with garnets; tr dis sc specks mainly @ top & bottom.	10.10	10.95	E5266370					tr		1	1	1		1							1		0.148	

Hole ID: F11-08		North: 5,775,544 East: 670,463		Happy Creek Minerals Fox Project										Azimuth: 090° Dip: -60°		Casing: 2.44m		Start Date: Sep 19, 2011 End Date: Sep 20, 2011									
Site/Zone: RT6-7		Elevation: 1846 masl												Depth: 47.85m				Geologist: B. Meyer				Core Size: BQ					
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Frac 0-5	W-fusion (%)	Zn (%)				
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca	
10.95	12.05	Qtz Vein	wh; diffuse upr contact; sharp lwr contact @ 55 tca oblique to banding; tr py-po clstrs & miclens (discontinuous frac fills).	10.95	12.05	E5266371	tr		tr														100		2	<0.005	
12.05	14.70	Skarn	mot gn & pinkish brn; tr brn vesuvianite; few thn intervals banded calc-sil @ 55-70 tca; mnr pl gy qtz vnltls, lenses, blebs (vnltls both sb// to & x-cutting banding).												2	3		1						3		2	
			12.05-12.45: tr dis po & sc.	12.05	13.50	E5266372			tr		tr																0.670
			12.45-12.95: intrusive blebs & lenses com (qtz-fdspr - assumed granite); tr sp-po clstrs; tr po; 1-2% dis sc.						tr		tr	1-2															
			12.95-13.05: wh silicated Marble with garnet & tr vesuv porphyroblasts; not mineralized.										3														
			13.05-13.25: mot Skarn & banded Calc-sil; tr po & sc.						tr		tr																
			13.25-13.50: mot Skarn; tr-1% po; tr sp dis & clstrs; 1-2% dis sc.						tr-1		tr	1-2															
			13.50-13.75: wh silicated Marble with abnt garnet; tr vesuv; no min.	13.50	14.70	E5266373																					1.227
			13.75-14.15: mot Skarn; mnr intrusive bands/lens; 1% po clstrs; tr sp; 0.5% sc (patches of dis).						1		tr	0.5															
			14.15-14.25: banded Calc-sil; tr po & sc dis.						tr		tr																
			14.25-14.45: mot Skarn; pl gy qtz lens & blebs com; 1% po clstrs & lens; 2-4% dis c gr sc.						1			2-4															
			14.45-14.60: wh silicated Marble; garnet com; tr vesuv; no min.																								
			14.60-14.70: mot Skarn: abnt pl gy qtz lens/blebs; 2% po lens/clstrs; 5% c gr dis sc.						2			5															
14.70	16.20	Granite	crm & pl gy; bleached (no mafics); pts dens fracs (locally brecciated) with pl gy qtz lens/vnltls +1-2% po frac fills; rr sc specks in fracs; wk ser alt; sil upr contact @ 50 tca; sharp lwr contgact @ 65 tca (sill).	14.70	16.20	E5266374			1-2			rr						1						4		4	0.150

Hole ID: <b>F11-08</b>			North: 5,775,544 East: 670,463		<b>Happy Creek Minerals Fox Project</b>								Azimuth: 090° Dip: -60°		Casing: 2.44m		Start Date: Sep 19, 2011 End Date: Sep 20, 2011											
Site/Zone: RT6-7			Elevation: 1846 masl										Depth: 47.85m				Geologist: B. Meyer				Core Size: BQ							
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5					Veins (%)		Frac	W-fusion (%)	Zn (%)						
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl				Ep	Ksp	Qz	Ca	0-5	
16.20	16.75	Calc-silicate	lt-med gn (pyrox) with occ pinkish brn garnet lens; f gr; banded @ 70 tca; 1% po clstrs/miclens; 1% dis sc; mnr qtz vnlts sb// & x-cutting banding (30-70 tca).											1	3								3		3			
16.75	17.55	Granite	bleached (no mafics); sharp contacts @ 15-20 tca (dyke); upr 20cm oriented/stretched fabric sb// to metabanding; rr po clstrs.	16.20	17.55	E5266375			rr																		0.170	
17.55	18.75	Marble	wh to pl gn gy; lenses & porphyroblasts of pinkish brn garnet com + tr vesuv; pts wky banded @ 70 tca; pt silicated marble; no min. 17.55-17.95: mot Skarn; tr po clstrs; tr dis sc.	17.55	18.75	E5266376							2	2			1								2		0.016	
18.75	19.40	Calc-silicate	lt-med gn pyrox; 2% biot; top & bottom 10cm skarn; 4% po clstrs; 6% c gr dis sc; mnr pl gy qtz blebs/lens.	18.75	19.40	E5266377			4		6			1	3									2		2	6.460	1.865
19.40	20.65	Granite	crm & pl gy; bleached (no mafics); wk ser alt; few peg intervals (diffuse contacts); mnr pl gy qtz lens/vnlts; no min.	19.40 Std	20.65 Std	E5266378 E5266379											1							1		2	0.028 0.418	
20.65	24.80	Marble	pl gn gy to wh; pinkish brn garnet bands, lenses & porphyroblasts com; rr vesuv; hard silicated marble intervals; occ thn interval skarn; banding commonly 75-90 tca; locally tr dis po; v rr sc speck. 21.95-22.25 & 22.90-23.20: Skarn: rr po clstrs.	20.65 22.15 23.65	22.15 23.65 24.80	E5266380 E5266381 E5266382							1	2											1		0.009 0.006 0.010	
24.80	25.75	Calc-silicate	lt-med gn; pinkish brn garnet in top 20cm (skarn); few garnetiferous bands; banding @ 70 tca; tr po clstrs & dis; v rr sc speck.	24.80	25.75	E5266383			tr						1	3										1		0.005
25.75	28.50	Schist	qtz-biot + mnr ser; well fol @ 70-80 tca; sparse qtz vnlts sb// to fol; tr dis po; occ granite sill.	25.75	26.75	E5266384			tr															1		2	<0.005	



Hole ID: F11-09			North: 5,775,533		<b>Happy Creek Minerals</b> Fox Project										Azimuth: n/a		Casing: 0.61m		Start Date: Sep 20, 2011								
Site/Zone: RT6-7			East: 670,462												Depth: 38.71m		End Date: Sep 20, 2011										
			Elevation: 1846 masl												Geologist: B. Meyer												
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5						Veins (%)		Frac 0-5	W-fusion (%)	Mo (ppm)				
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl	Ep				Ksp	Qz	Ca	
0.00	1.50	Ovbn	Overburden																								
1.50	6.10	Calc-silicate	lt-med gn (pyrox); commonly banded @ 65-80 tca; few garnetiferous bands; occ thn interval mot gn & pinkish brn skarn; rr dis po.	1.50	3.00	E5266385			rr																3	<0.005	
				3.00	4.50	E5266386																					<0.005
				4.50	6.10	E5266387																					
			2.50-2.75: Granite sill.																								
			3.70: rubbly limonitic granite frags, possible lost recovery.																								
			4.65-4.95: silicated Marble with scattered garnet porphyroblasts.																								
6.10	8.60	Marble / Skarn	Marble: pl gn gy to wh; pinkish brn garnet porphyroblasts & bands com; tr vesuvianite; wh intervals silicated marble; few intervals mot gn & brn skarn; bands @ 75-90 tca; no min.	6.10	7.65	E5266388							1	1			1							2	0.008		
				Blank	Blank	E5266389																				<0.005	
				7.65	9.10	E5266390																					
			7.40-7.55: Calc-sil: wh qtz-fdspr blebs; mod dens frags (variable orientations) with pl gy qtz vnlt/lenses; 1% po clstrs & frac fills.						1																		
			7.55-7.65: wh qtz-fdspr vn @ 65 tca; mnr po frac fills.																								
			7.65-7.80: mot Skarn; tr sc specks.																								
			8.10-8.50: mot Skarn; tr po; tr sc specks.						tr																		
8.60	13.45	Skarn	mot gn & pinkish brn; mnr brn vesuv; intervals gn banded calc-sil; bands 70-80 tca; few intervals garnetiferous marble; rr dis po; locally tr dis sc.	9.10	10.55	E5266391			rr						3	2		1						2	0.012		
				10.55	12.05	E5266392																				<0.005	
				12.05	13.45	E5266393																					<0.005
			9.10-9.35: Calc-silicate.																								
			9.35-9.70, 10.55-10.80 & 11.15-11.60: Marble.																								
			12.05-12.50: Calc-silicate: lt gy qtz vnlt // to banding com.																								
			12.50-13.10: Marble.																								
13.45	15.00	Calc-Silicate	banded lt-med gn @ 65-70 tca; few thn schistose biot hornfels bands (<5cm); occ marble interval with garnet porphyroblasts; commonly tr dis po; rr sc speck commonly at garnet-pyroxene contact.	13.45	15.00	E5266394			tr		rr			1	3									2	<0.005		







Hole ID: F11-10		North: 5,775,533		<b>Happy Creek Minerals</b> Fox Project										Azimuth: 090°		Casing: 1.83m		Start Date: Sep 21, 2011							
Site/Zone: RT6-7		East: 670,462												Depth: 35.66m		End Date: Sep 21, 2011									
		Elevation: 1846 masl												Geologist: B. Meyer											
From (m)	To (m)	Rock type	Description	Assay Interval			Mineralization (%)						Alteration: 1-5					Veins (%)		Fracs 0-5	W-fusion (%)	Mo (ppm)			
				From (m)	To (m)	Sample #	Py	Cpy	Po	Sph	Sc	Mo	Sil	Ga	Px	Ser	Ves	Clay	Chl				Ep	Ksp	Qz
14.15	15.30	Marble / Skarn	pl gn gy marble + v mnr wh silicated marble with garnet & mnr vesuv porphyroblasts; thn bands skarn/calc-sil common in lwr half; banding 70-80 tca; rr po clstrs & rr sc specks in skarn/calc-sil.	14.15	15.30	E5266423			rr		rr		1	2	1		1						2	0.018	
15.30	16.00	Calc-silicate	banded lt-med gn; bands @ 75-80 tca; f gr; few thn garnetiferous bands; mnr thn qtz vnlt // to banding; locally sil alt'd mtx; commonly tr dis po; locally tr-1% dis sc with garnet (skarn).	15.30	16.00	E5266424			tr		tr		1	1	4							2	2	0.007	
16.00	16.45	Granite	crmy wh/lt gy; f-m gr; bleached; locally tr biot; sharp contacts sb// to banding (sill); no min.	16.00	16.45	E5266425																		<0.005	
16.45	17.00	Calc-silicate	banded lt-med gn; banding @ 75-80 tca; f gr; thn garnetiferous bands com (approaching skarn); mnr lt gy thn qtz vnlt sb// to banding; rr dis po.	16.45	17.00	E5266426			rr					1	4							2	2	<0.005	
17.00	19.80	Marble	pl gy; top half wh silicated; pinkish brn garnet porphyroblasts com; locally tr po clstrs with sparse gy qtz vnlt / lenses (10 & 70-80 tca). 17.25-17.40: banded f gr Skarn with tr dis po. 17.90-18.20 & 19.50-19.65: bleached Granite sills.	17.00 18.50 Dup	18.50 19.80 Dup	E5266427 E5266428 E5266429							1	2									2	<0.005 <0.005 <0.005	
19.80	20.45	Skarn	pinkish brn f gr garnet; mnr gn pyrox; 2-4% po miclens, clstrs & mtx filling; 1% sp; 1-2% sc (patches of dis); mnr pl gy qtz mtx; few wh qtz vnlt @ 55-70 tca; thn 5cm granite band near top; commonly dens fracs.	19.80	20.45	E5266430			2-4	1	1-2		1	4	1							2	4	1.05	
20.45	20.75	Calc-silicate / Skarn	top half gn f gr calc-sil; botom half banded gn & pinkish brn f gr skarn; rr brn vesuv in skarn; banding 80-90 tca; occ calcite lens/vnlt in calc-sil; rr po mtx filling; v rr sc speck.	20.45	21.00	E5266431			rr		rr			2	4		1						1	0.085	
20.75	21.00	Marble	pl gn gy to wh; pinkish brn garnet porphyroblasts com; tr vesuv; wky banded @ 75-90 tca; no min.										1	2									1		



## Appendix 2

### Diamond Drill Holes Lithology Summary



**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-02</b>		<b>Zone - RT Trenches 1-5</b>				
Collar Location: 5,775,347N / 670,550E		Inclination: -90°	Start: 26-Aug-11			
Elevation: 1843 masl		Azimuth: n/a	Finish: 27-Aug-11			
Samples: E5266275-286 = 11 + 1 duplicate (279)		EOH: 17.68m				
Mineralization: 3.80-3.95m (0.15m) = 0.1% scheelite in skarn 7.15-7.50m (0.35m) = 3-5% scheelite in skarn (minimum true width 0.34m - 75° tca) 7.50-7.65m (0.15m) = 2-3% scheelite in skarn (minimum true width 0.14m - 75° tca) 8.15-8.30m (0.15m) = 0.5% scheelite in calc-silicate						
<b>From (m)</b>	<b>To (m)</b>	<b>Lithology</b>	<b>Sulfides %</b>	<b>Scheelite %</b>	<b>Mo %</b>	<b>Comments</b>
0.00	2.70	Overburden				
2.70	3.80	Granite				
3.80	3.95	Skarn	2-4 po;1-2 sp	0.1		
3.95	4.60	Skarn		tr		
4.60	5.25	Skarn				
5.25	5.70	Marble				
5.70	6.80	Skarn	tr po			
6.80	6.90	Skarn	tr po	tr		
6.90	7.15	Skarn	tr po			
7.15	7.50	Skarn	1-2 po; 1 sp	3-5		dis 1-2mm sc xls
7.50	7.65	Skarn	1-2 po;1-2 sp	2-3		5-10mm sc xls
7.65	7.75	Quartz Vein				
7.75	7.90	Calc-silicate	.5 po; .5 sp	tr		
7.90	8.15	Schist (hornfelsic)	.5 po			
8.15	8.30	Calc-silicate	1 po; tr sp	0.5		f gr dis sc
8.30	9.35	Calc-silicate	1 po; tr sp			
9.35	9.95	Granite	tr-1 po			
9.95	10.15	Granite	tr-1 po	rr		sc in fractures
10.15	12.30	Granite	tr-1 po			
12.30	12.40	Calc-silicate	tr-1 po	tr		
12.40	12.70	Granite	tr-1 po			
12.70	13.40	Schist	tr-.5 py			
13.40	14.25	Granite	tr py			
14.25	15.70	Schist / Calc-silicate				interbanded
15.70	15.95	Schist	tr py; tr po			
15.95	16.00	Calc-silicate	tr py; tr po	tr		
16.00	17.68	Schist	tr py; tr po			few thin aplite sills
17.68		EOH				
		Hole stopped due to hydraulic pump failure - 2 days to get replacement. Last hole for JED Anchor drilling.				

**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-03</b>		<b>Zone - RT Trenches 1-5</b>	
Collar Location:	5,775,350N / 670,535E	Inclination:	-90°
Elevation:	1842 masl	Azimuth:	n/a
Samples:	E5266287-297 = 10 + 1 standard (289)	EOH:	38.71m
BQ diameter			
Mineralization: 4.40-4.50m (0.10m) = 0.1% scheelite in skarn (disseminated)			
13.05-13.10m (0.05m) = 0.1% scheelite calc-silicate (disseminated)			
13.25-13.40m (0.15m) = 0.5% scheelite in calc-silicate (disseminated)			

From (m)	To (m)	Lithology	Sulfides %	Scheelite %	Mo %	Comments
0.00	3.05	Overburden/Casing				
3.05	3.90	Skarn	tr po-py			
3.90	4.40	Marble				
4.40	4.50	Skarn	tr po-py	0.1		
4.50	4.70	Marble				
4.70	5.15	Skarn	tr po-py	tr		
5.15	5.70	Skarn	"			
5.70	8.40	Calc-silicate	"			
8.40	8.50	Marble				
8.50	8.65	Skarn		rare		
8.65	9.60	Schist	tr py			
9.60	13.05	Granite sill	"			
13.05	13.45	Calc-silicate		tr-0.1		
13.45	14.30	Schist				
14.30	17.05	Granite sill	rr py-po			
17.05	17.25	Calc-silicate	tr po-py	rare		
17.25	17.55	Granite sill	rr py-po			
17.55	18.00	Schist				
18.00	19.05	Granite sill	rr py-po			
19.05	24.80	Schist	tr po			
24.80	25.60	Granite sill				
25.60	27.90	Schist	tr po			
27.90	28.00	Calc-silicate / Skarn		tr		
28.00	29.60	Schist	tr po			
29.60	29.80	Calc-silicate / Skarn		tr		
29.80	30.40	Schist	tr po			
30.40	30.95	Granite sill	tr py			
30.95	31.90	Quartz Vein				20deg tca
31.90	35.20	Granite sill	tr py			
35.20	38.71	Schist	tr po			
38.71		EOH				

**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-04</b>		<b>Zone - RT Trenches 1-5</b>	
Collar Location:	5,775,350N / 670,535E	Inclination:	-60°
Elevation:	1842 masl	Azimuth:	030°
Samples:	E5266298-311=12+1blk(299),1dup(309)	EOH:	37.49m
Mineralization:	11.30-11.90 (0.60m) = tr-0.1% scheelite in calc-silicate (drill width) 12.65-13.10 (0.45m) = tr-0.1% scheelite in calc-silicate (drill width)		

From (m)	To (m)	Lithology	Sulfides %	Scheelite %	Mo %	Comments
0.00	3.05	Overburden / Casing				
3.05	3.45	Marble (possibly overburden)				
3.45	3.95	Skarn	tr po-py	0.1		
3.95	4.05	Marble				
4.05	4.25	Skarn	tr po-py			
4.25	5.10	Marble + minor Skarn patches	"	tr		
5.10	5.55	Skarn	"	rare		
5.55	6.15	Marble				
6.15	6.40	Skarn	tr po-py	tr		
6.40	6.90	Calc-silicate	"			
6.90	7.10	Granite sill				
7.10	7.75	Calc-silicate	tr po-py			
7.75	8.25	Hornfels				
8.25	9.25	Calc-silicate	tr po-py			
9.25	9.80	Skarn	"			
9.80	10.30	Granite sill	"			
10.30	10.60	Hornfels	"			
10.60	11.15	Granite sill	"			
11.15	11.30	Calc-silicate	"			
11.30	11.90	Calc-silicate	"	tr-0.1		
11.90	12.65	Calc-silicate	"			
12.65	13.10	Calc-silicate	"	tr-0.1		
13.10	13.20	Calc-silicate	"			
13.20	14.15	Schist	tr po			
14.15	16.10	Granite sill				
16.10	17.85	Schist	rr po			
17.85	19.15	Granite sill				
19.15	20.40	Schist	rr po			
20.40	20.55	Granite sill				
20.55	21.20	Schist	rr po			
21.20	21.65	Granite sill				
21.65	24.40	Schist	rr po			
24.40	25.10	Granite sill				
25.10	27.25	Schist	rr po			
27.25	27.55	Granite sill				
27.55	28.00	Schist	rr po			
28.00	31.55	Granite sill				
28.70	31.55	abnt qtz veins + albite? Alteration				
31.55	35.65	Schist	tr po			
35.65	35.80	Calc-silicate				
35.80	35.95	Schist	tr po			
35.95	37.49	Granite sill				
37.49		EOH				

Elevation:		1842 masl		Azimuth:		n/a		Finish:		12-Sep-11	
Samples:		E5266312-324 = 12 + 1 standard (319)				EOH:		96.62m		BQ diameter	
Mineralization:		15.05-15.25m (0.20m) = 0.5% scheelite in fractured granite (drill width)									
From (m)	To (m)	Lithology	Sulfides %	Scheelite %	Mo %	Comments					
0.00	3.35	Overburden / Casing									
3.35	4.00	Calc-silicate	1 po								
4.00	4.40	Marble									
4.40	4.75	Calc-silicate / Skarn	tr po								
4.75	4.85	Marble									
4.85	4.90	Calc-silicate / Skarn	tr po								
4.90	5.15	Aplite									
5.15	5.80	Calc-silicate / Skarn	tr po								
5.80	7.00	Calc-silicate	tr po								
7.00	8.00	Granite									
8.00	10.10	Calc-silicate	tr po								
10.10	10.65	Skarn									
10.65	12.90	Schist	tr po								
12.90	14.70	Granite	rr py-po								
14.70	15.30	Granite	rr py-po-cp	rr							
15.05	15.25	Granite		0.5		fracture related sc					
15.30	20.05	Granite	rr py-po-cp								
20.05	31.50	Schist	rr py								
31.50	31.55	Calc-silicate		tr							
31.55	33.50	Schist	rr py								
33.50	34.75	Granite	tr py			alt ser-albite?					
34.75	36.05	Quartz Vein	tr py-po								
36.05	39.30	Granite				qtz vnlt; altered					
39.30	41.00	Schist									
41.00	42.20	Granite				ser altered					
42.20	44.00	Schist	rr po								
44.00	45.60	Granite sill									
45.60	56.25	Schist									
56.25	61.80	Granite sill									
61.80	69.40	Schist	rr-tr po								
69.40	72.45	Granite	rr py								
72.45	82.10	Schist									
82.10	91.15	Granite	tr py								
91.15	92.62	Schist									
92.62		EOH									

**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-06</b>		<b>Zone - RT Trenches 1-5</b>	
Collar Location:	5,775,351N / 670,529E	Inclination:	-60°
Elevation:	1842 masl	Azimuth:	030°
Samples:	E5266325-336 = 11 + 1 blank (329)	EOH:	32.61m
		BQ diameter	

Mineralization: 8.20-8.40m (0.20m) = 0.1% scheelite in calc-silicate  
 14.50-15.10m (0.60m) = 0.1% scheelite in fractured granite & quartz vein contact

From (m)	To (m)	Lithology	Sulfides %	Scheelite %	Mo %	Comments
0.00	3.05	Overburden / Casing				
3.05	3.45	Marble	rr po			
3.45	3.60	Skarn	tr po			
3.60	4.95	Marble	rr po			
4.95	5.40	Granite sill				
5.40	5.75	Marble	rr po			
5.75	6.00	Skarn / Calc-silicate	tr po			
6.00	6.10	Granite				
6.10	6.50	Quartz Vein				
6.50	7.60	Calc-silicate	tr-1 po			
7.60	8.00	Granite				
8.00	8.20	Calc-silicate	tr-1 po			
8.20	8.40	Calc-silicate	tr-1 po	0.1		
8.40	11.40	Calc-silicate	tr-1 po			
11.40	13.40	Schist	tr po			
13.40	14.30	Granite sill				
14.30	14.60	Quartz Vein (30° tca)		tr		sc xls bottom 5cm
14.50	15.10	Qtz Vein / Altered Granite sill (sil-ser)	tr po;rrpy-cp	0.1		diss sc
15.10	16.50	Granite sill				
16.50	17.50	Schist	tr po			
17.50	19.70	Granite sill				
19.70	20.70	Schist	tr po			
20.70	21.50	Granite	rr py			
21.50	28.00	Schist	tr po			
28.00	28.95	Granite sill				
28.95	30.90	Schist	tr po			
30.90	32.61	Granite				
32.61		EOH				

**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-07</b>		<b>Zone - RT6-7</b>	
Collar Location:	5,775,544N / 670,463E	Inclination:	-90°
Elevation:	1846masl	Azimuth:	n/a
Samples:	E5266337-362 (23 + 1B, S, D) = 26	EOH:	38.71 m
			BQ diameter

Mineralization: 14.30-14.85m (0.55m) 1-2% diss scheelite in skarn.  
 14.85-15.25m (0.40m) 5% diss scheelite in calc-silicate.  
 15.25-15.60m (0.35m) 0.1% diss scheelite in skarn.  
 15.95-16.15m (0.20m) 0.1% diss scheelite in skarn.  
 16.30-16.60m (0.30m) tr-0.1% scheelite in skarn.  
 17.90-18.50m (0.60m) 0.1% scheelite diss & in qtz vnlt in granite.  
 18.50-19.0m (0.50m) 1% scheelite in calc-silicate.  
 19.30-19.95m (0.65m) 0.1% diss scheelite in skarn.  
 26.10-26.95m (0.85m) 0.5% diss scheelite in skarn.

From (m)	To (m)	Lithology	Sulfides %	Scheelite %	Mo %	Comments
0.00	3.05	Casing / Overburden				
3.05	4.10	Skarn	tr po			
4.10	4.40	Marble	tr po			
4.40	5.65	Skarn	tr po			
5.65	5.90	Marble	tr po			
5.90	7.20	Skarn	tr po			
7.20	7.40	Marble	tr po			
7.40	8.45	Skarn	tr po	tr		
7.60	7.85	Skarn	tr po	0.1		
8.45	8.95	Marble	tr po	tr		
8.95	9.10	Skarn	tr po	tr		
9.10	9.30	Skarn	tr po			
9.30	9.80	Marble	tr po			
9.80	10.00	Skarn				
10.00	13.75	Granite sill	rr po			
13.75	14.30	Calc-silicate	1 po			
14.30	14.85	Skarn	1-2 po;1 sp	1-2		
14.85	15.25	Calc-silicate	6-8 po; 1-2 sp	5		no garnet
15.25	15.60	Skarn	tr-1 po	0.1		
15.60	15.95	Marble	tr po			hard, silicated
15.95	16.15	Skarn	tr po	0.1		
16.15	16.30	Marble				silicated
16.30	16.60	Skarn	1 po	tr-0.1		
16.60	16.70	Calc-silicate	1 po			
16.70	17.90	Granite sill	tr-1 po			
17.90	18.50	Granite sill	tr-1 po	0.1		sc dis+frac-related
18.50	19.00	Calc-silicate	tr-1 po	1		diss sc
19.00	19.30	Calc-silicate	tr-1 po			
19.30	19.95	Skarn	tr-1 po	0.1		diss sc
19.95	20.40	Skarn	tr po	tr		
20.40	21.50	Granite sill				
21.50	23.70	Marble / Skarn	tr po			
23.70	25.20	Skarn	tr po	rr		
25.20	26.10	Granite sill	tr py			
26.10	26.95	Skarn	rr po	0.5		diss sc

<b>From (m)</b>	<b>To (m)</b>	<b>Lithology</b>	<b>Sulfides %</b>	<b>Scheelite %</b>	<b>Mo %</b>	<b>Comments</b>
26.95	27.80	Skarn	rr po			
27.80	29.60	Granite sill	rr py			
29.60	33.75	Schist	tr-1 po			
33.75	34.65	Granite sill				
34.65	38.71	Schist	tr po			
38.71		EOH				

**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-08</b>		<b>Zone - RT6-7</b>				
Collar Location: 5,775,544N / 670,463E		Inclination: -60°	Start: 19-Sep-11			
Elevation: 1846 masl		Azimuth: 090°	Finish: 20-Sep-11			
Samples: E5266363-384 (18+ 1 Dup, Std) = 20		EOH: 47.85m	BQ diameter			
Mineralization: 12.45-12.95m (0.50m) 1-2% diss scheelite in skarn. 13.25-13.50m (0.25m) 1-2% diss scheelite in skarn. 13.75-14.15m (0.40m) 0.5% diss scheelite in skarn. 14.25-14.45m (0.20m) 2-4% diss scheelite in skarn. 14.60-14.70m (0.10m) 5% diss scheelite in skarn. 16.20-16.75m (0.55m) 1% diss scheelite in calc-silicate. 18.75-19.40m (0.65m) 6% diss scheelite in calc-silicate.						
<b>From (m)</b>	<b>To (m)</b>	<b>Lithology</b>	<b>Sulfides %</b>	<b>Scheelite %</b>	<b>Mo %</b>	<b>Comments</b>
0.00	2.80	Overburden (casing 0-2.44m)				
2.80	2.90	Marble				
2.90	6.90	Calc-silicate	tr po			
6.90	8.25	Marble	rr po			
8.25	8.60	Calc-silicate	tr po	rr		
8.60	9.00	Marble		rr		
9.00	10.10	Skarn	tr po	tr		
10.10	10.95	Marble		tr		
10.95	12.05	Quartz vein	tr py-po			steep dipping (?)
12.05	12.45	Skarn	tr po	tr		
12.45	12.95	Skarn	tr po-sp	1-2		diss sc
12.95	13.05	Marble				silicated
13.05	13.25	Skarn	tr po	tr		
13.25	13.50	Skarn	tr sp; tr-1 po	1-2		diss sc
13.50	13.75	Marble				silicated
13.75	14.15	Skarn	tr sp; 1 po	0.5		diss sc
14.15	14.25	Calc-silicate	tr	tr		
14.25	14.45	Skarn	1 po	2-4		dis c gr sc
14.45	14.60	Marble				silicated
14.60	14.70	Skarn	2 po	5		dis c gr sc
14.70	16.20	Granite sill	1-2 po	rr		rr sc in frags
16.20	16.75	Calc-silicate	1 po	1		diss sc
16.75	17.55	Granite (dyke?)	rr po			
17.55	17.95	Skarn	tr po	tr		
17.95	18.75	Marble				
18.75	19.40	Calc-silicate	4 po	6		c gr diss sc
19.40	20.65	Granite				
20.65	21.95	Marble				
21.95	22.25	Skarn	rr po			
22.25	22.90	Marble				
22.90	23.20	Skarn	rr po			
23.20	24.80	Marble				
24.80	25.75	Calc-silicate	tr po			
25.75	28.50	Schist	tr po			
28.50	30.45	Granite sill				
30.45	31.40	Schist	tr po			
31.40	32.90	Grainite sill				
32.90	47.85	Schist				
47.85		EOH				

**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-09</b>		<b>Zone - RT6-7</b>	
Collar Location:	5,775,533N / 670.462E	Inclination:	-90°
Elevation:	1846 masl	Azimuth:	n/a
Samples:	E5266385-413 (26 + 1B, D, S) = 29	EOH:	38.71m
Mineralization:	22.05-22.20m (0.15m) 6-8% diss scheelite in calc-silicate. 22.20-22.40m (0.20m) 2-4% diss scheelite in skarn. 25.45-25.50m (0.05m) 2% scheelite in calc-silicate.		

From (m)	To (m)	Lithology	Sulfides %	Scheelite %	Mo %	Comments
0.00	0.61	Casing				
0.00	1.50	Overburden				
1.50	2.50	Calc-silicate	rr po			
2.50	2.75	Granite sill				
2.75	4.65	Calc-silicate	rr po			
4.65	4.95	Marble				silicated
4.95	6.10	Calc-silicate	rr po			
6.10	8.10	Marble				+ mnr skarn
8.10	8.50	Skarn	tr po	tr		
8.50	8.60	Marble				
8.60	13.45	Skarn	rr po	tr		+ mnr marble
13.45	15.00	Calc-silicate	tr po	rr		+ mnr marble
15.00	15.95	Granite sill				
15.95	17.90	Marble				
17.90	18.80	Calc-silicate	rr po			
18.80	21.70	Marble / Skarn	rr po	rr		marble>skarn
21.70	22.05	Granite sill				
<b>22.05</b>	<b>22.20</b>	<b>Calc-silicate</b>	<b>2-4 po; 1 py</b>	<b>6-8</b>		f-c gr diss sc
<b>22.20</b>	<b>22.40</b>	<b>Skarn</b>	<b>1 po; .5 sp</b>	<b>2-4</b>		diss sc
22.40	22.60	Marble / Skarn	tr po	tr		
22.60	25.45	Granite sill				
<b>25.45</b>	<b>25.50</b>	<b>Calc-silicate</b>	<b>3 po</b>	<b>2</b>		
25.50	25.95	Marble				
25.95	27.70	Granite sill				
27.70	28.40	Calc-silicate	tr po			
28.40	28.95	Schist	tr po			
28.95	30.80	Granite sill				
30.80	31.05	Calc-silicate	2-4 po	2		diss sc
31.05	38.71	Schist				
38.71		EOH				

**FOX DRILL PROGRAM -2011**

<b>SUMMARY LOG - HOLE # F11-10</b>		<b>Zone - RT6-7</b>	
Collar Location:	5,775,533N / 670,462E	Inclination:	-60°
Elevation:	1846 masl	Azimuth:	090°
Samples:	E5266414-433 (18 + 1 B, D) = 20	EOH:	35.66m
Mineralization:	19.80-20.45m (0.65m) 1-2% diss scheelite in skarn. 21.0-21.30m (0.30m) 4% diss scheelite in calc-silicate		

From (m)	To (m)	Lithology	Sulfides %	Scheelite %	Mo %	Comments
0.00	1.83	Casing				
0.00	3.10	Overburden				
3.10	4.50	Calc-silicate	tr po			
4.50	6.30	Marble				
6.30	8.65	Calc-silicate	tr po			
8.65	12.20	Marble / Skarn	rr po			marble>skarn
12.20	13.70	Skarn				
13.70	14.15	Skarn	tr po	tr		
14.15	15.30	Marble / Skarn	rr po	rr		
15.30	16.00	Calc-silicate	tr po	tr		
16.00	16.45	Granite				
16.45	17.00	Calc-silicate	rr po			
17.00	19.80	Marble				v mnr skn, granite
<b>19.80</b>	<b>20.45</b>	<b>Skarn</b>	<b>2-4 po;1 sp</b>	<b>1-2</b>		diss sc
20.45	20.75	Calc-silicate / Skarn	rr po	rr		
20.75	21.00	Marble				
<b>21.00</b>	<b>21.30</b>	<b>Calc-silicate</b>	<b>5 po; 1 sp; tr cp</b>	<b>4</b>		f-c gr diss sc
21.30	21.40	Marble	rr po	rr		
21.40	25.95	Granite				
25.95	27.55	Marble / Calc-silicate / Skarn	rr po			thin intervals
27.55	29.20	Schist	tr po			
29.20	33.55	Granite				
33.55	35.45	Schist	tr po			
35.45	35.66	Granite				
35.66		EOH				

# Appendix 3

## IP Logistic Report

**LOGISTICS REPORT PREPARED**  
**FOR**  
**HAPPY CREEK MINERALS LIMITED**

**THREE DIMENSIONAL INDUCED POLARIZATION**  
**ON THE**  
**FOX PROPERTY GRID PROJECT**

100 MILE HOUSE, BRITISH COLUMBIA, CANADA  
LATITUDE: N52° 6.25' LONGITUDE: W120° 30.7'  
BCGS: 093A018  
NTS: 093A02  
MINING ZONE: CARIBOO

SURVEY CONDUCTED BY SJ GEOPHYSICS LTD.  
OCTOBER 2011 – NOVEMBER 2011

REPORT PREPARED BY  
LEE ZAYONCE  
NOVEMBER 2011

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## 1. SURVEY DETAILS

SJ Geophysics Ltd. was contracted by Happy Creek Minerals Limited to acquire geophysical data on their Fox property. The following table provides a brief summary of the project.

<b>Client</b>	Happy Creek Minerals Limited
<b>Project Name</b>	Fox Property
<b>Location</b>	<i>Grid Location: Latitude: N52° 6.25' Longitude: W120° 30.7' UTM 670450E, 5775450N NAD 83, Zone 10</i>
<b>Survey Type</b>	3D Induced Polarization (3DIP)
<b>Number of Survey Lines</b>	3DIP: 5
<b>Total Line Kilometres</b>	3DIP: 2.375km
<b>Dates</b>	October 31 – November 3, 2011
<b>Objective</b>	SJ Geophysics was contracted to carry out a 3DIP survey with the purpose of providing 3D inverted models of resistivity and chargeability properties.

Table 1: Survey Details

This logistical report summarizes the operational aspects and methodologies of the geophysical survey. This report does not discuss or interpret the survey results.

## ***2. LOCATION AND ACCESS***

The Fox Property project is located in British Columbia, Canada (Figure 1). The closest major town to the survey area is 100 Mile House, which is approximately 75km directly SW of the Fox Property project. The crew stayed at the 100 Mile House Motel located at 310 S. Cariboo Highway. The grid can only be accessed by helicopter. The crew had two staging points. First, Sarvair Helicopters located at 108 Mile airport. Directions from 100 Mile House are as follows (Figure 2):

Head north on Highway 97 towards 108 Mile House. Turn left off the highway, then right on Telqua Rd. 108 Mile airport is on the right. There is a locked gate, punch code 1232. Sarvair Helicopters is located at the far right of the airstrip.

The second staging point was Fox camp. This location was used to sling gear out to the Fox Property grid. Directions to Fox camp are as follows (Figure 2):

Head north on Highway 97. Turn right on Forest Grove Rd. Turn right on Canim Lake Rd. towards Eagle Creek. The road turns into gravel on 6000 Rd. Turn right at 6017 onto 7000 Rd. Turn left at 7016 on to 720 Rd. Follow for ~17km to Fox Camp.

The local flora consisted of pine trees and alpine bushes. The fauna consisted of mountain goats and birds. The fauna was scarce due to the cold temperatures and heavy snowfall, more diversity may be present during the summer.



Figure 1: Overview map of the Fox Property project located in British Columbia, Canada

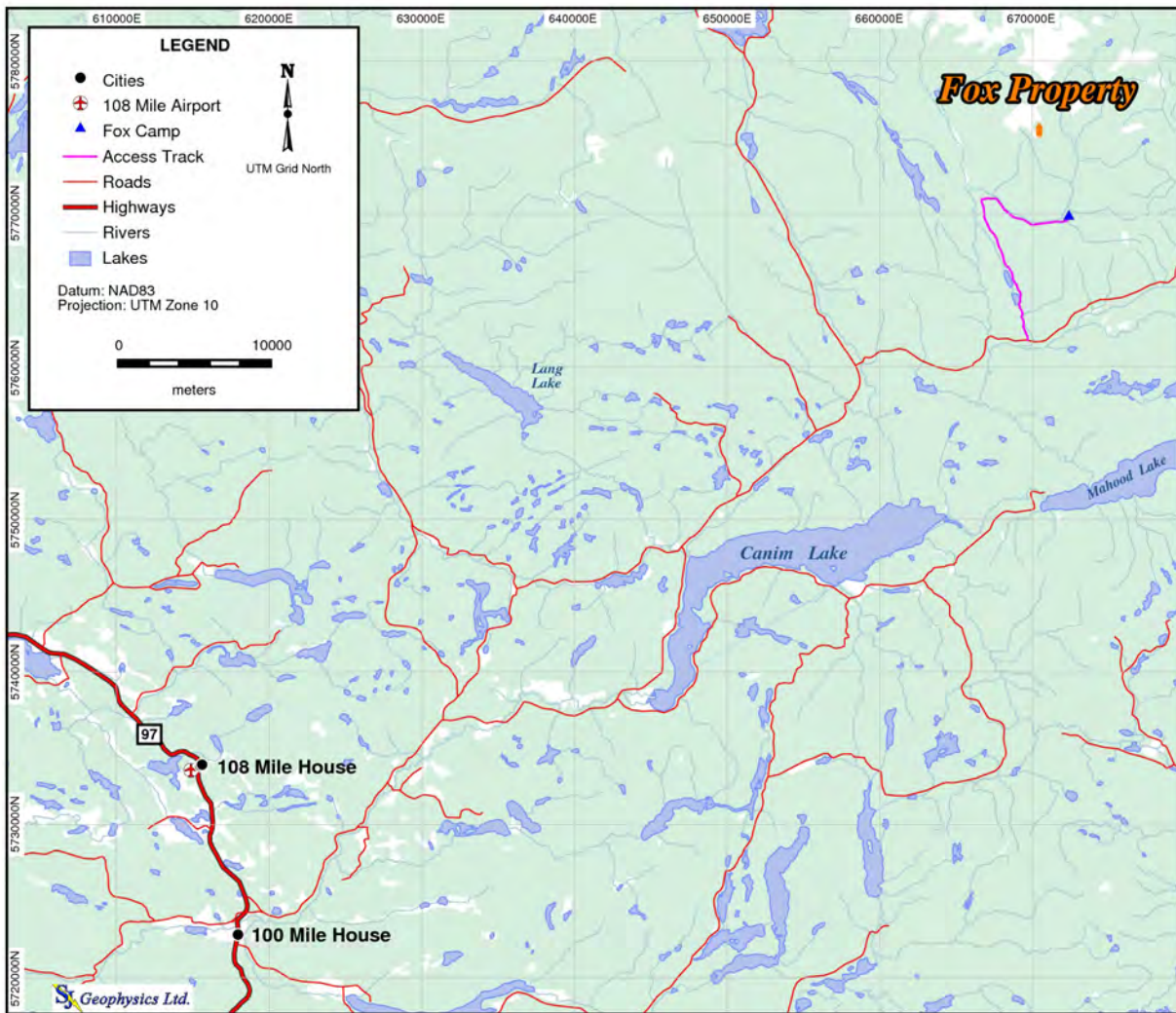


Figure 2: Location map for the Fox Property project showing 100 Mile House, BC.

### 3. GRID INFORMATION

<b>Grid</b>	Fox Property
<b>Number Of Lines</b>	5
<b>Survey Line Azimuth</b>	0°
<b>Line Spacing</b>	50m
<b>Station Spacing</b>	3DIP: 25m
<b>Elevation range</b>	1798.5 – 1884m

Table 2: Fox Property Grid parameters

The Fox Property grid consisted of 5 survey lines spaced at 50m with stations flagged and marked every 25m (Figures 3). Line and station labels for the grid were based on the UTM coordinates, with the line labels being represented by the last five digits in the UTM easting and the station labels represented by the last 4 digits in the UTM northing. Refer to Appendix A for a complete list of details for the Fox Property grid.

Most of the locational information was recorded by the Meridian Mapping Limited. The SJ Geophysics crew recorded the remote locations with Garmin GPSmap 62s handheld GPS's in the UTM projection and Nad83 datum. Station 5475N on line 70400E was moved due to a frozen pond and was also recorded by the SJ Geophysics crew.

The grid was centered in the bottom of a cirque. The ends of the lines became steep, ending just before the start of very steep slopes. There was a pond and creek located near the center of the grid. The pond was frozen over, but soft near the edges. There were small open creeks throughout the grid, but all were fairly easy to cross. Approximately half a meter of snow was on the ground and closer to one meter in some spots. Hiking the grid was slow and exhausting.

The temperature at the Fox Property project ranged from around -15°C at night and up to -5°C during the day. Precipitation was moderate at this time of year and because it was so cold the snow was very dry.

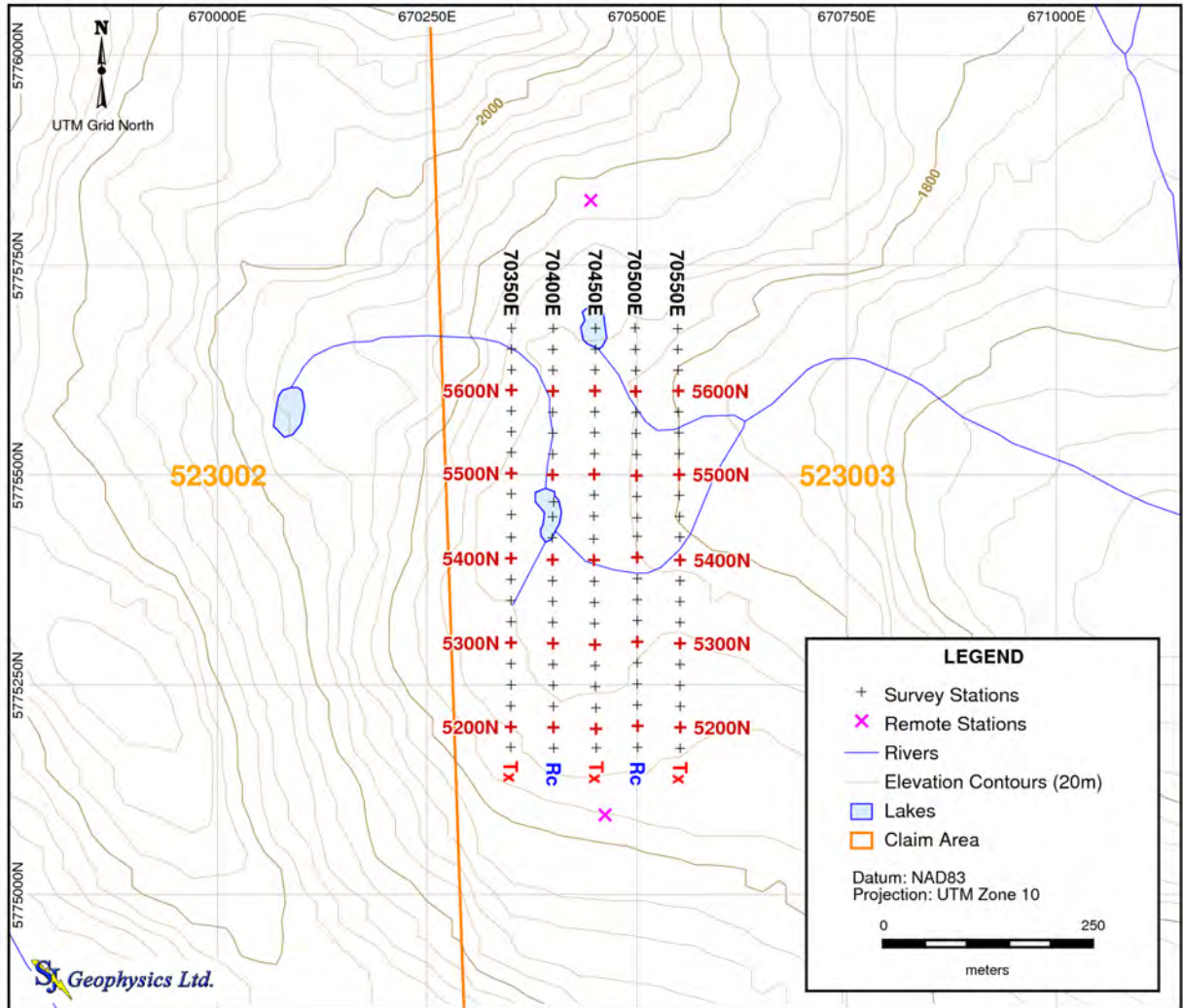


Figure 3: Grid Map for the Fox Property grid.

## 4. FIELD WORK AND INSTRUMENTATION

### 4.1. Field Logistics

A SJ Geophysics field crew typically consists of at least two field geophysicists or technicians and at least five helpers to assist in the day-to-day operation of the survey. The field geophysicists and technicians oversee all operational aspects including field logistics, data acquisition and initial field data quality control. On the Fox Property project the SJ Geophysics crew consisted of Lee Zayonce, Paul White, Alex Tryon, Alex Fachler and Brent Babels. No local helpers were hired by the client to assist the SJ Geophysics crew in the day-to-day operation of the survey. Table 3 lists the SJ Geophysics crew members on this project.

The SJ Geophysics crew arrived in 100 Mile House on October 30<sup>th</sup>, 2011. On November 3<sup>rd</sup>, the SJ Geophysics crew demobilized from the Fox Property project.

<i>Crew Member Name</i>	<i>Role</i>	<i>Start Date</i>	<i>End Date</i>
Lee Zayonce	Field Geophysicist	October 31 <sup>st</sup>	November 2 <sup>nd</sup>
Paul White	Field Technician	October 31 <sup>st</sup>	November 2 <sup>nd</sup>
Alex Tryon	Field Geophysicist	October 31 <sup>st</sup>	November 2 <sup>nd</sup>
Alex Fachler	Field Technician	October 31 <sup>st</sup>	November 2 <sup>nd</sup>
Brent Dabels	Helper	October 31 <sup>st</sup>	November 2 <sup>nd</sup>

Table 3: Details of the SJ Geophysics crew on site

The SJ Geophysics crew was accommodated by the client at the 100 Mile House Motel. This motel had rooms with two beds and a bathroom. The internet was sufficient for sending data. For communication, each room was equipped with a land line, and there was complete cellular coverage.

There were technical problems that occurred during the course of the survey which hindered production. On October 31<sup>st</sup> the grid was shrouded in fog and snow. It was not safe for the helicopter to fly the crew up to the grid. There was also one meter of snow on the grid. Hiking the lines was tiring. Holes needed to be dug at every 25 m station. On line 70350E from station 5550N towards the north proved to be too dangerous given the conditions. The section of line was on a steep slope with snow covered boulders. Despite these winter conditions, the crew finished the survey in a timely efficient manner.

## 4.2. Survey Parameters and Instrumentation

The geophysical instrumentation used to acquire the 3DIP data consisted of SJ-24 full waveform receivers and a GDD Tx II transmitter. The specifications of these instruments are listed in Appendix B and the equipment parameters are summarized in Table 4.

<b>Array Type</b>	3DIP – Offset Pole-Dipole
<b>Number of Dipoles</b>	12 to 16
<b>Dipole Length</b>	25m
<b>Array Length</b>	Up to 400m
<b>Current Interval</b>	25m
<b>IP Transmitter</b>	GDD TxII (Serial #436, 433)
Duty Cycle	50%
Waveform	Square
Cycle and Period	2 sec on / 2 sec off; 8 second
<b>IP Receiver</b>	SJ-24 Full Waveform Digital Receiver
Reading Length	Minimum 93 seconds
Vp Delay, Vp Integration	1200 ms, 600 ms
Mx Delay, # of Windows Width (Mx Intergration)	200 ms, 20 36, 39, 42, 45, 48, 52, 56, 60, 65, 70, 75, 81, 87, 94, 101, 109, 118, 128, 140, 154 (200 ms – 1800 ms)
Properties Calculated	Vp, Mx, Sp, Apparent Res

Table 4: Instrument parameters

The IP array consisted of 12 to 16 dipoles controlled by a SJ-24 full waveform receiver. For the production phase, the 3DIP configuration consisted of two current lines being recorded into one receiver line. The current lines were located on either side of the receiver line, and subsequent lines were surveyed with a single current line overlap.

The IP array was connected using special 8-conductor cables with 50 m takeouts for the receiver electrodes. For the potential line, the electrodes consisted of stainless steel pins, 50 cm long and 10 mm in diameter, which were hammered into the ground. At each current station (25 m intervals), current was injected using two long (75 cm) stainless steel electrodes hammered into the ground. The remote current locations consisted of three 1m stainless steel rods, 15 mm in diameter. At both current and remote sites the ground was soaked with a saline water solution to improve contact. Table 5 shows the locations of the remote sites.

<b>Remote Name</b>	<b>UTM Easting</b>	<b>UTM Northing</b>
South Remote	670462	5775095
North Remote	670445	55775827

Table 5: Location of 3DIP remote sites.

## **5. GEOPHYSICAL TECHNIQUES**

### **5.1 IP Method**

The time domain IP technique energizes the ground by injecting square wave current pulses via a pair of current electrodes. During current injection, the apparent (bulk) resistivity of the ground is calculated from the measured primary voltage and the input current. Following current injection, a time decaying voltage is also measured at the receiver electrodes. This IP effect measures the amount of polarizable (or “chargeable”) materials in the subsurface rock.

Under ideal circumstances, high chargeability corresponds to disseminated metallic sulfides. Unfortunately, IP responses are rarely uniquely interpretable as other rock materials are also chargeable, including some graphitic rocks, clays and some metamorphic rocks (e.g., serpentinite). Therefore, it is prudent from a geological perspective to incorporate other data sets to assist in interpretation.

IP and resistivity measurements are generally considered repeatable to within about five percent. However, changing field conditions, such as variable water content or electrode contact, reduce the overall repeatability. These measurements are influenced to a large degree by the rock materials near the surface or, more precisely, near the measuring electrodes. In the past, interpretation of a traditional IP pseudosection was often uncertain because strong responses located near the surface could mask a weaker one at depth.

## ***5.2 3DIP Method***

Three dimensional IP surveys were designed to take advantage of recent advances in 3D inversion techniques. Unlike conventional 2DIP, the electrode arrays are not restricted to an in-line geometry. In the standard 3DIP configuration, a receiver array is established along a survey line while current electrodes are located on two adjacent lines. Current electrodes are advanced along the adjacent lines at fixed increments (25, 50, 100 or 200 m). A typical receiver array consists of 12 to 16 dipoles separated by the same interval as the current lines or by some multiple of that interval. These spacings are sometimes modified to compensate for local conditions, such as inaccessible sites and streams, or the overall conductivity of the ground. Receiver arrays are typically established on every second line. By injecting multiple current locations to a single receiver electrode array, data acquisition rates are significantly improved over conventional surveys.

## **6. QUALITY ASSURANCE**

### **6.1. Locations**

Good quality survey location data is crucial to successful analysis and interpretation of the collected geophysical data. The quality of the location data for this survey is extremely high thanks to Differential GPS locations recored by Meridian Mapping Limited. GPS measurements (control points) were obtained for each survey station and no interpolation was necessary.

### **6.2. IP Data**

The IP geophysical data go through a series of quality assurance processes. Prior to acquisition, it is SJ Geophysics' best practice to acquire a noise reading to determine the background noise levels and to detect possible bad channels (i.e. poor ground contacts). This allows the operator to troubleshoot problem areas in the array prior to acquisition, then once the operator is satisfied surveying can begin. Immediately after each full waveform reading is completed the data are analyzed in the field to provide the operator a set of Vp's, Mx's and a chart of the decay curves for each dipole in the array. This gives the operator valuable information to verify the quality of data in real time. Also available to the operator are visualization tools for full waveform signals and a spectral analysis program to assist in troubleshooting possible bad stations and unwanted noise.

Each evening, the analyzed data are imported into JavIP: a proprietary IP database management system developed by S.J.V. Consultants Ltd. (SJV). This package integrates the locational information with each reading, thus allowing the calculation of the apparent resistivity and apparent chargeability. The package's interactive quality control tools include: plots of decay curves, tables of calculated parameters and a dot plot (a graphical display of data of the various parameters). These enable the field geophysicist to validate each data point. After the field geophysicist removes known bad points from field observations and other obvious outliers, the database is delivered to SJV for a second review.

The second review is more stringent; the data is scrutinized to ensure erroneous data points are not passed along to the next stage of processing: the inversion. SJV predominantly uses the UBC-GIF algorithms to invert their geophysical data.

The data collected on the Fox Property project was of good quality. The voltage potentials

(Vp), for the most part, were strong and the signals and resulting decay curves were mostly clean. On the Fox Property project most of the data flagged for removal was due to non-coupling. This phenomena is typical in IP surveys and is related to the survey configuration. Non-coupling occurs when the receiver dipole is sub-parallel to the equipotential lines which can result in a significant decrease in signal strength and lead to untrustworthy data. Figure 4 shows data from the middle of the grid where data was very clean.

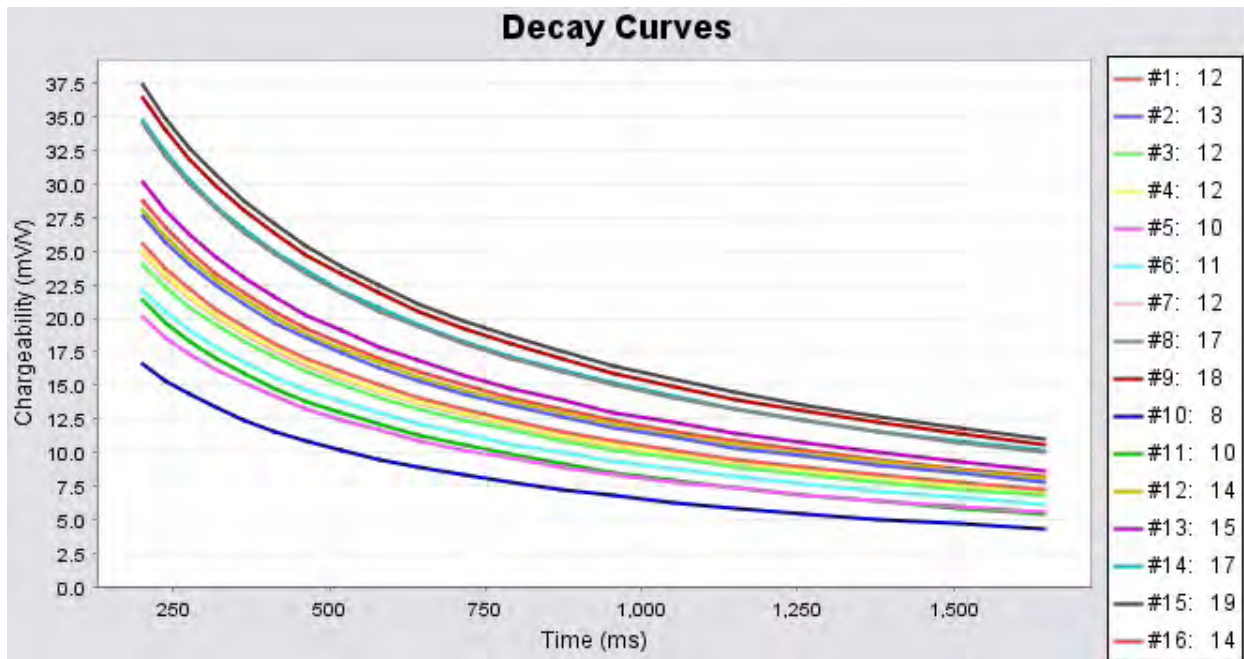


Figure 4: Decay curves from line 70450E injection station 5425N with potential line 70500E.

## **7. GEOPHYSICAL INVERSION**

The purpose of geophysical inversion is to estimate the distribution of rock physical properties in the subsurface based on the geophysical data collected at the surface. Examples of rock physical properties include: density, resistivity, chargeability, and magnetic susceptibility. Geophysical measurements made at the surface are strongly influenced by the physical properties of rocks in the subsurface. Therefore, we can use mathematical algorithms to convert these surface measurements into a 3D picture of the subsurface. This process is called geophysical inversion. Unfortunately, the inversion process cannot provide a single unique solution. Indeed, there are many different possible subsurface 3D physical property models that could fit our surface geophysical measurements. Despite this limitation, inversion is a very powerful tool to help identify the main subsurface features which are required by the surface geophysical data. With the combination of high quality surface measurements and geophysical inversion, a much greater understanding of the subsurface can be obtained. Several geophysical inversion programs are available, but SJ Geophysics primarily uses the UBC-GIF algorithms (e.g. DCIP2D, DCIP3D, MAG3D, GRAV3D) which were developed by a consortium of major mining companies under the auspices of the UBC-Geophysical Inversion Facility.

It is SJ Geophysics standard practice to invert data from 3DIP surveys, and to do this we use the DCIP3D program which solves two inverse problems. First, the DC potentials are inverted to calculate the spatial distribution of electrical resistivity in the subsurface. Second, the chargeability data (IP) are inverted to recover the spatial distribution of IP polarizable particles in subsurface rocks. When available, additional information, such as geological boundaries and down-hole geophysical data, can be added to the inversion in order to constrain the inversion model. The inversion programs are generally applied iteratively to evaluate the output with regard to what is geologically known, estimate the depth of detection, and determine the viability of specific measurements.

The inversion result is then run through a series of quality control steps prior to final gridding and mapping. Inversion output is plotted to show the distribution of physical properties (e.g. resistivity, chargeability, etc.) in cross-sections as well as plan maps that are sliced at different depths beneath the surface. Inversion results are also visualized in 3D using the open source software packages Mayavi and Paraview. Using both 2D and 3D views, additional data can then be overlain to aid in interpretation and facilitate discussion of potential drilling targets.

Respectfully submitted,  
per SJ Geophysics Ltd.

Lee Zayonce

**APPENDIX A: SURVEY SUMMARY TABLE****Fox Property Grid**

<i>Line</i>	<i>Series</i>	<i>Type</i>	<i>Start Station</i>	<i>End Station</i>	<i>Survey Length (m)</i>
70350	E	Tx	5550	6175	375
70400	E	Rc	5675	6175	500
70450	E	Tx	5675	6175	500
70500	E	Rc	5675	6175	500
70550	E	Tx	5675	6175	500

Total Linear Metres = 2375

**APPENDIX B: INSTRUMENT SPECIFICATIONS****SJ-24 Full Waveform Digital IP Receiver****Technical:**

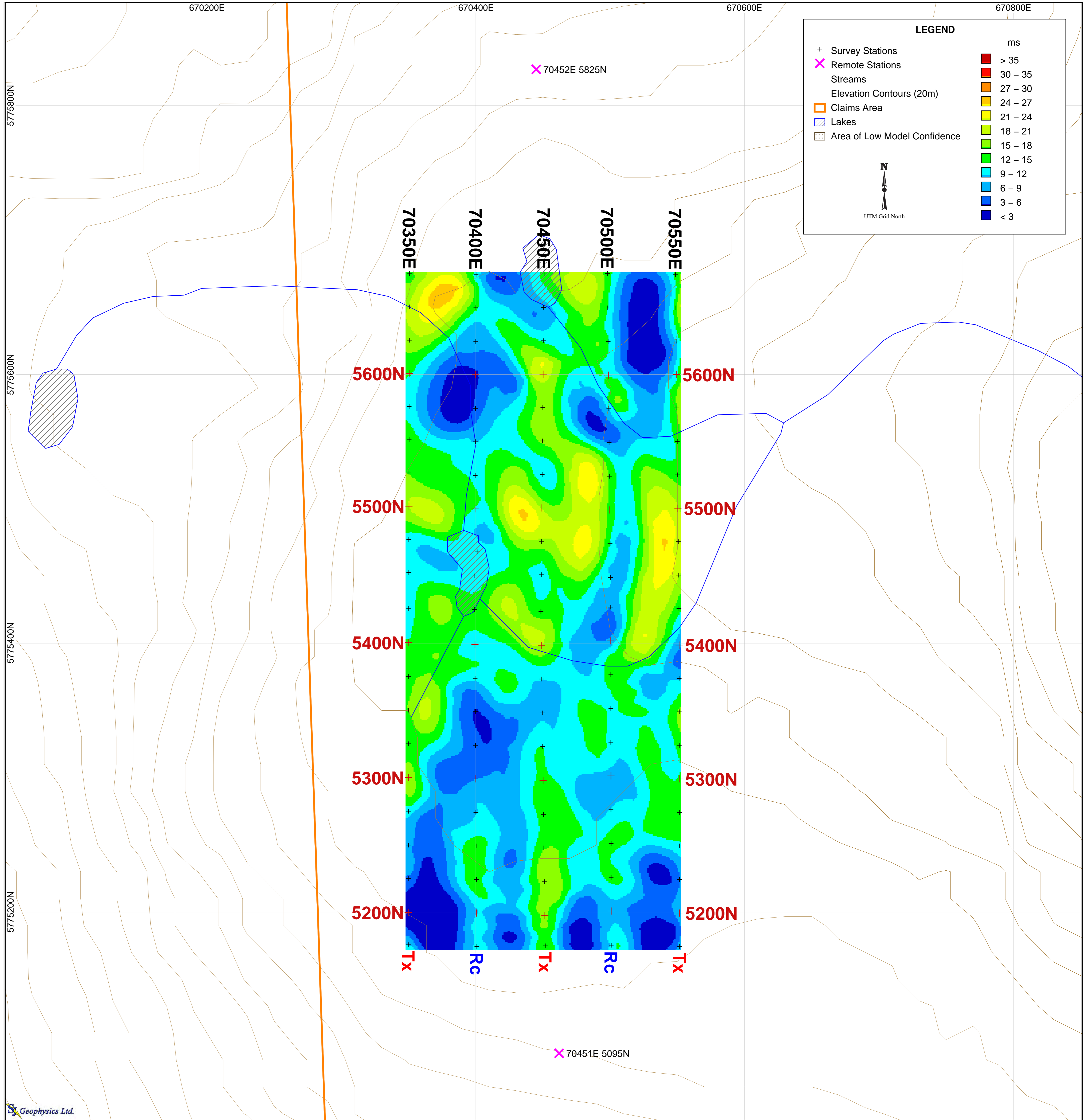
Input impedance:	10 $\Omega$
Input overvoltage protection:	up to 1000V
External memory:	Unlimited readings
Number of dipoles:	4 to 16 +, expandable
Synchronization:	Software signal post-processing user selectable
Common mode rejection:	More than 100 dB (for Rs=0)
Self potential (Sp):	Range: -5V to +5V Resolution: 0.1mV Proprietary intelligent stacking process rejecting strong non-linear SP drifts
Primary voltage:	Range: 1 $\mu$ V – 10V (24bit) Resolution: 1 $\mu$ V Accuracy: typ. <1.0%
Chargeability:	Resolution: 1 $\mu$ V/V Accuracy: typ. <1.0%

**General (4 dipole unit):**

Dimensions:	18 x 16 x 9 cm
Weight:	1.1kg
Battery:	12V external
Operating temperature range:	-20 °C to 40 °C

### ***GDD Tx II IP Transmitter***

Input voltage:	120V / 60 Hz or 240V / 50Hz (optional)
Output power:	3.6 kW maximum
Output voltage:	150 to 2200 V
Output current:	5 mA to 10 A
Time domain:	1, 2, 4, 8 second on/off cycle
Operating temp. range:	-40 °C to +65 °C
Display:	Digital LCD read to 0.001 A
Dimensions:	34 x 21 x 39 cm
Weight:	20 kg



**LEGEND**

- + Survey Stations
- ✕ Remote Stations
- Streams
- Elevation Contours (20m)
- ▭ Claims Area
- ▨ Lakes
- ▤ Area of Low Model Confidence

ms
> 35
30 – 35
27 – 30
24 – 27
21 – 24
18 – 21
15 – 18
12 – 15
9 – 12
6 – 9
3 – 6
< 3

N  
UTM Grid North

SJ Geophysics Ltd.

Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

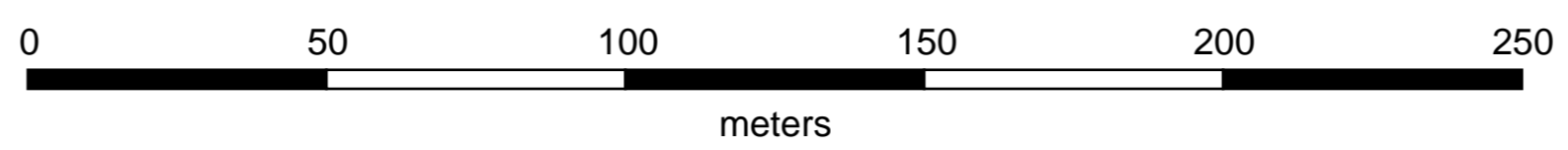
Instrumentation:  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

Planmap

3D Inversion Model: Second Inversion

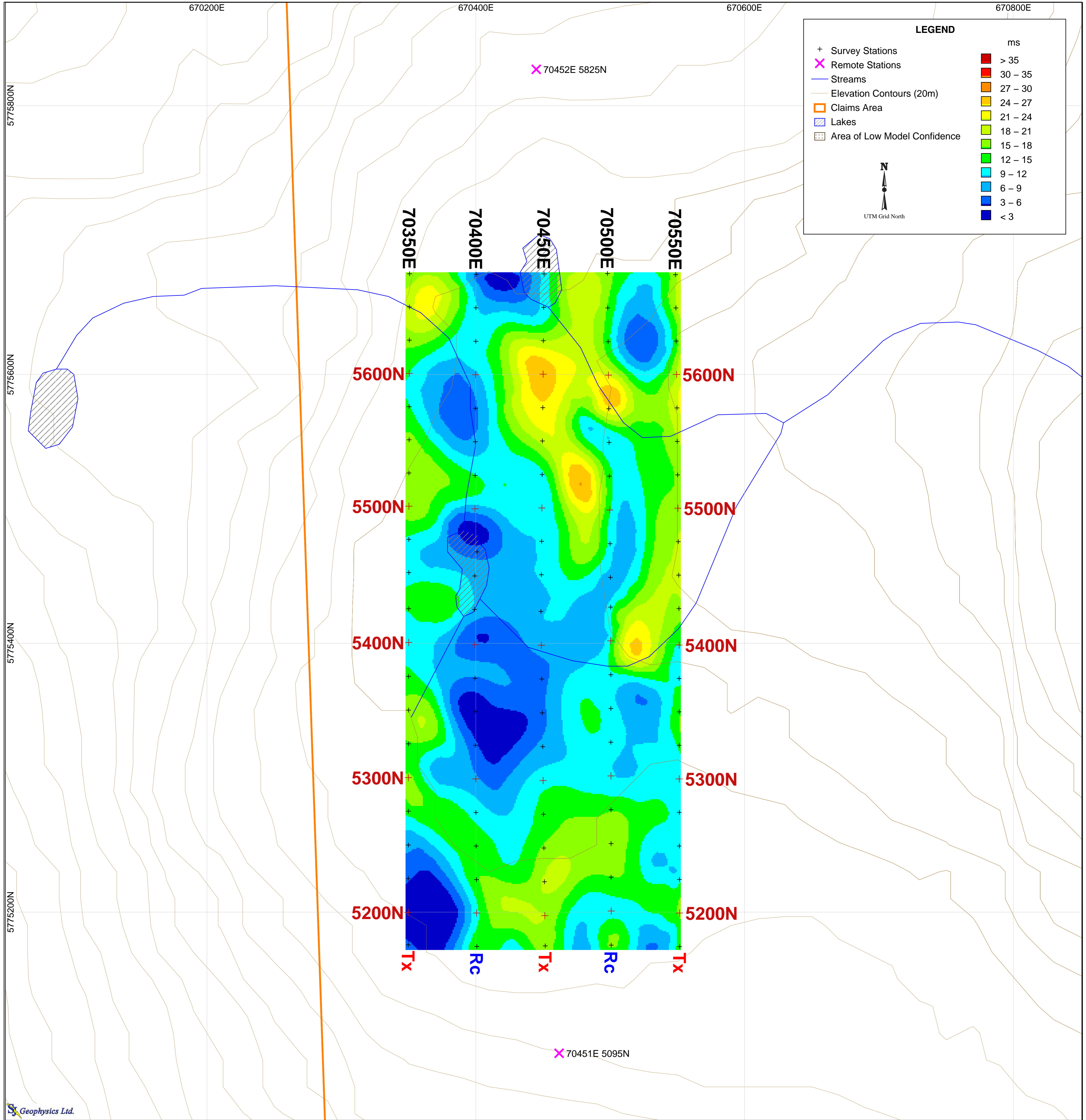
Depth: 10m Below Topography



**Happy Creek Minerals Ltd.**  
**Interpreted Chargeability (ms)**

**Fox Grid**

**100 Mile House, British Columbia**



SJ Geophysics Ltd.

Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

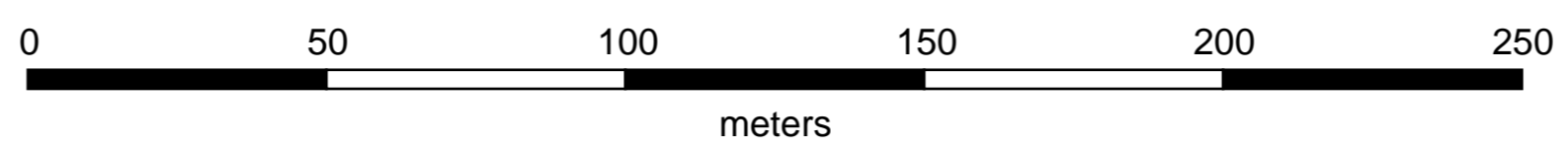
Instrumentation:  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

Planmap

3D Inversion Model: Second Inversion

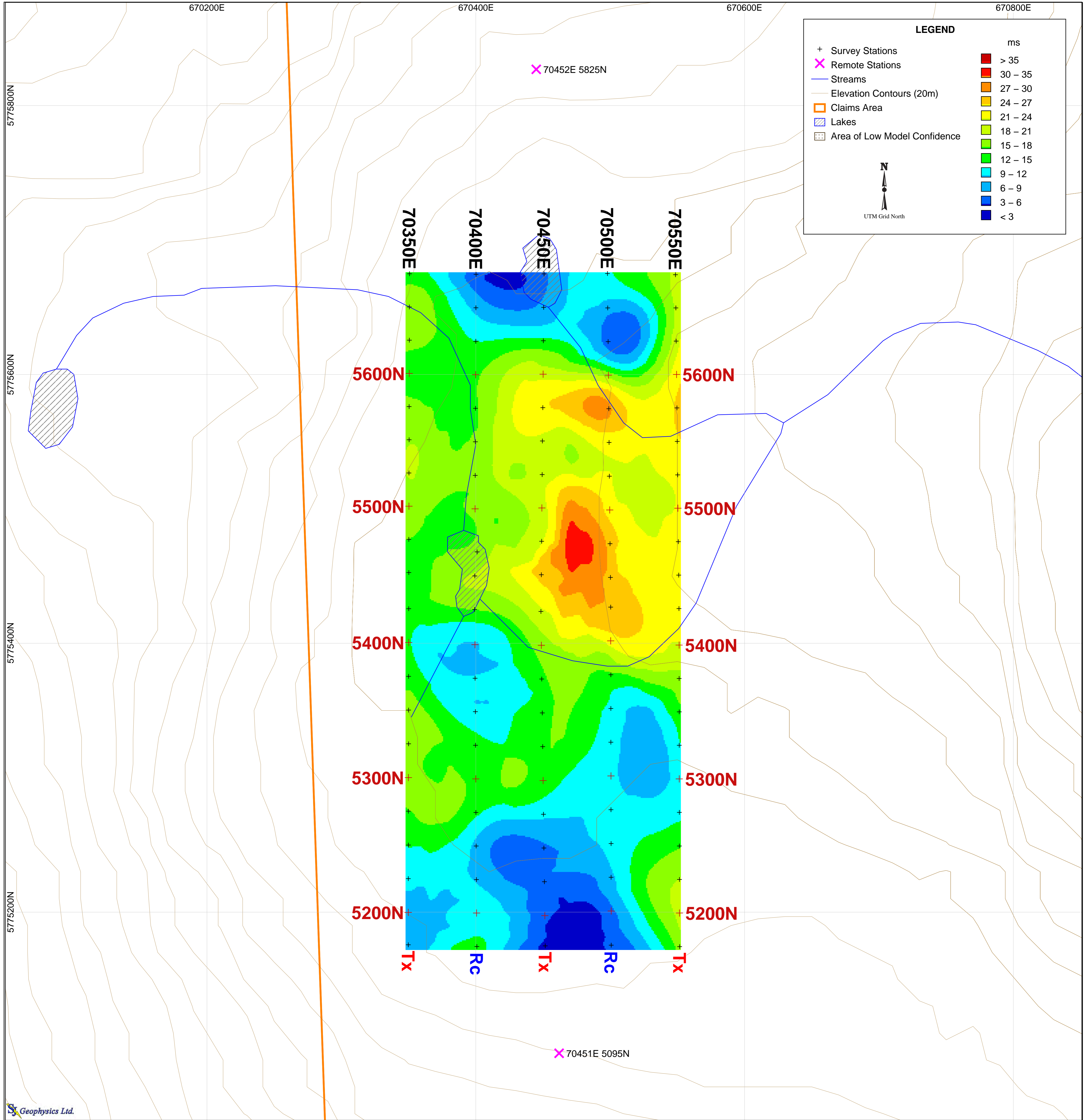
Depth: 25m Below Topography



Happy Creek Minerals Ltd.  
 Interpreted Chargeability (ms)

Fox Grid

100 Mile House, British Columbia



SJ Geophysics Ltd.

Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

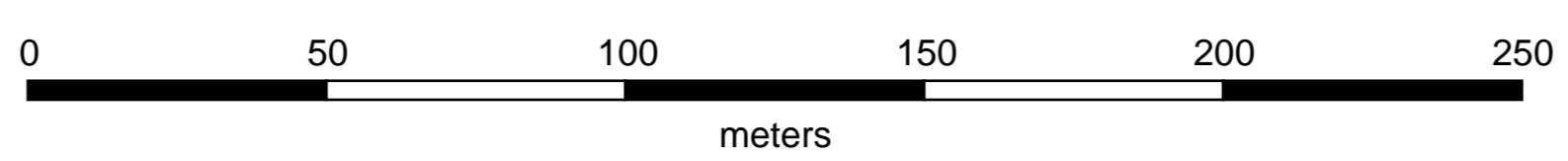
Instrumentation:  
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 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

Planmap

3D Inversion Model: Second Inversion

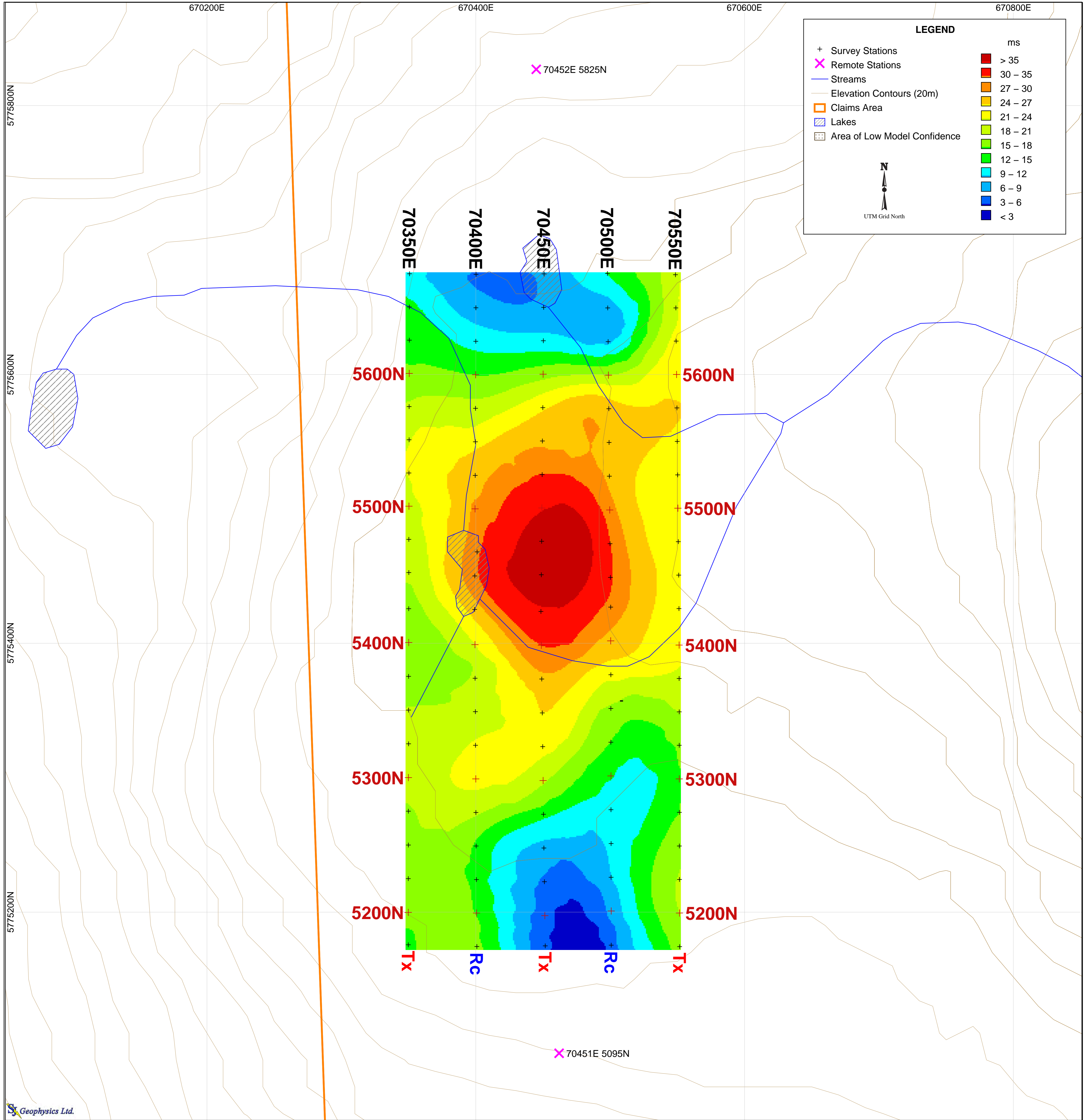
Depth: 50m Below Topography



Happy Creek Minerals Ltd.  
 Interpreted Chargeability (ms)

Fox Grid

100 Mile House, British Columbia

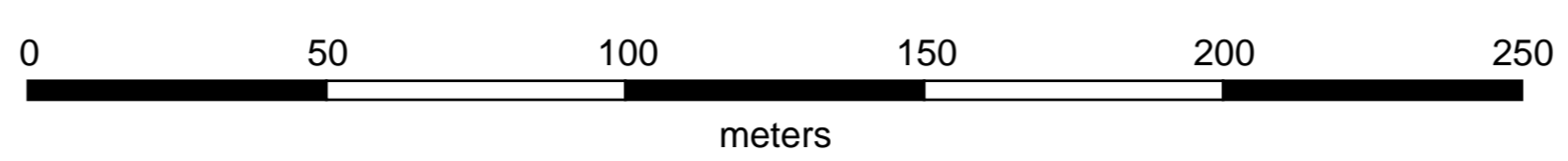


Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

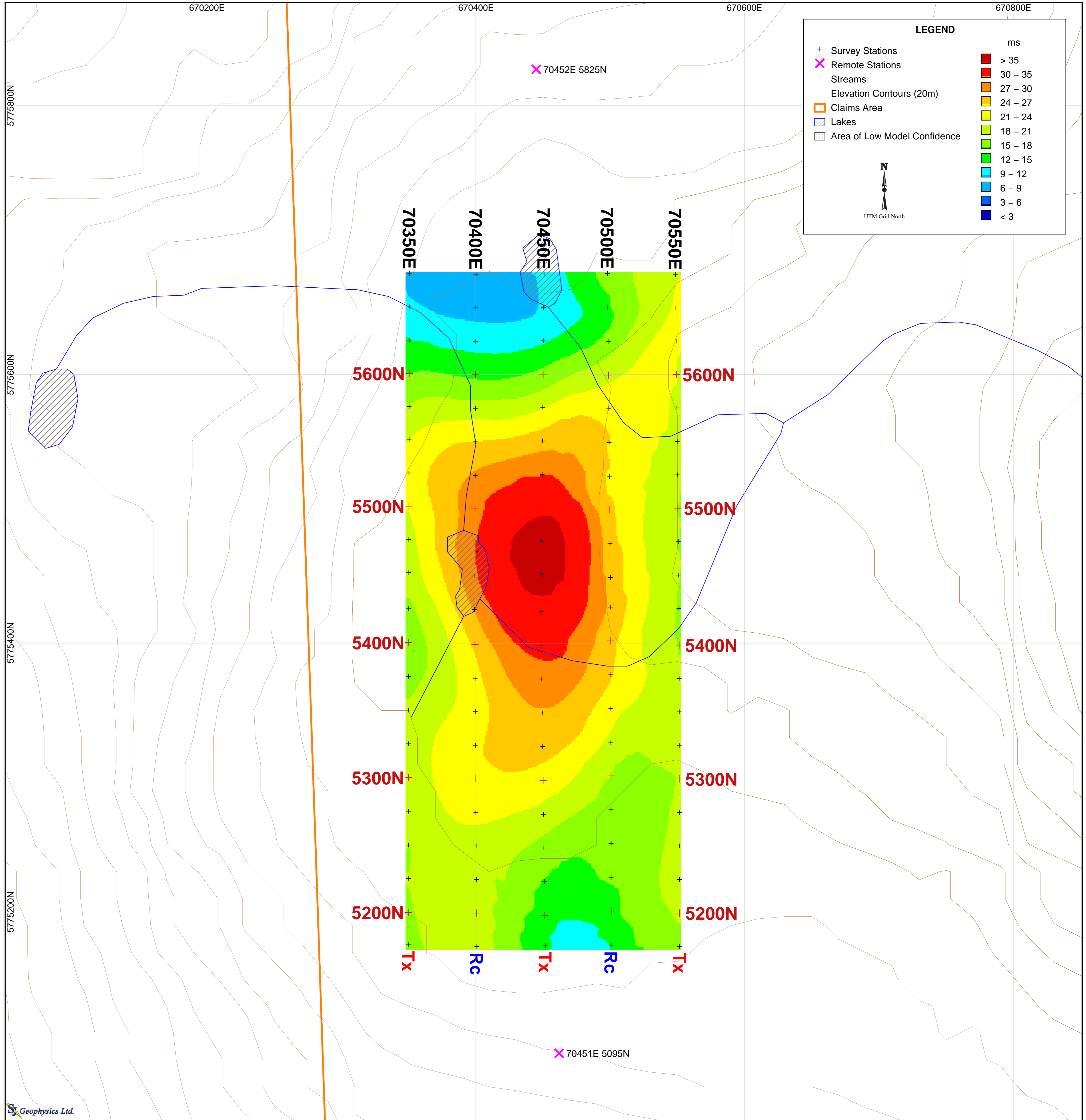
Instrumentation:  
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 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

Planmap  
 3D Inversion Model: Second Inversion  
 Depth: 75m Below Topography



**Happy Creek Minerals Ltd.**  
**Interpreted Chargeability (ms)**  
**Fox Grid**  
**100 Mile House, British Columbia**



SJ Geophysics Ltd.

Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

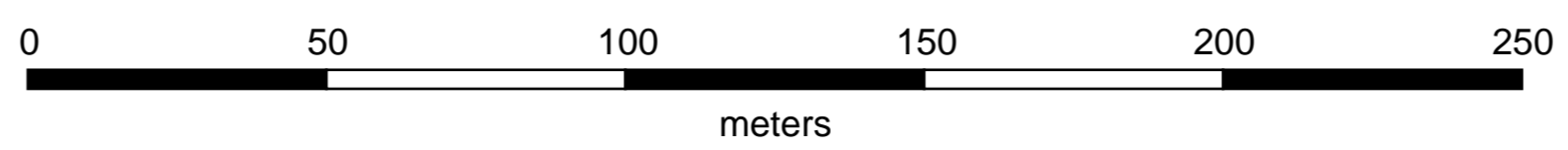
Instrumentation:  
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 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

Planmap

3D Inversion Model: Second Inversion

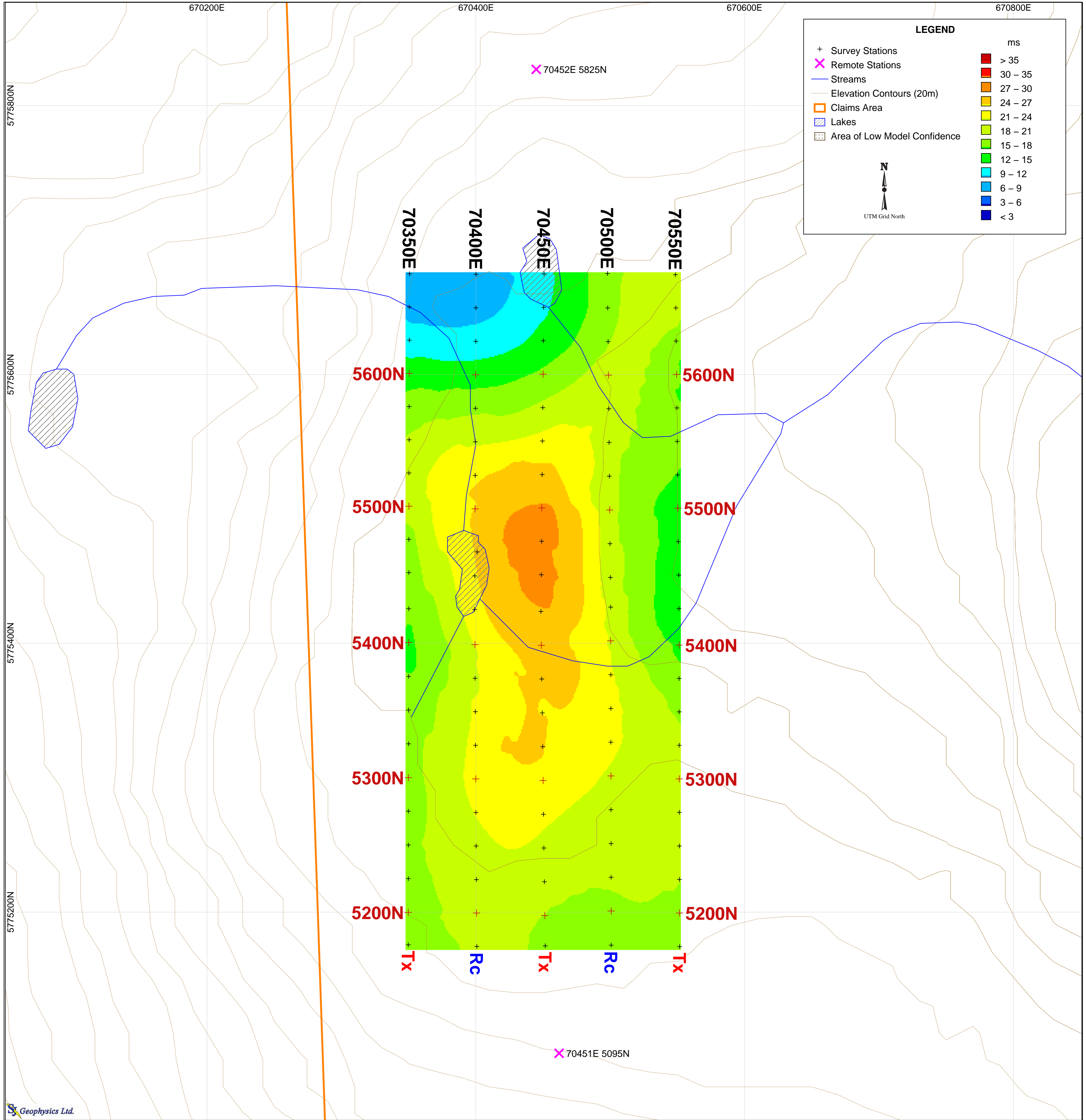
Depth: 100m Below Topography



Happy Creek Minerals Ltd.  
 Interpreted Chargeability (ms)

Fox Grid

100 Mile House, British Columbia



SJ Geophysics Ltd.

Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

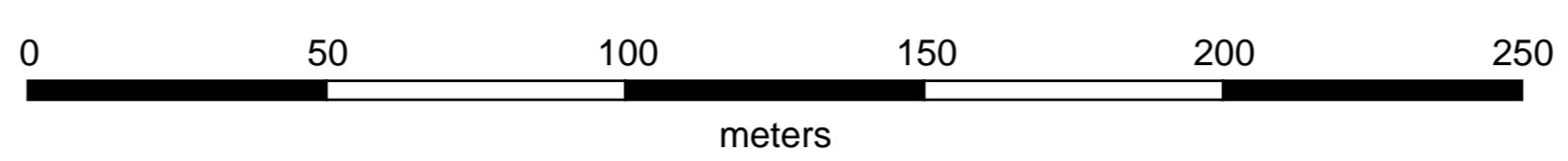
Instrumentation:  
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 Transmitter: GDD TX II  
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Mapping Information:  
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 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

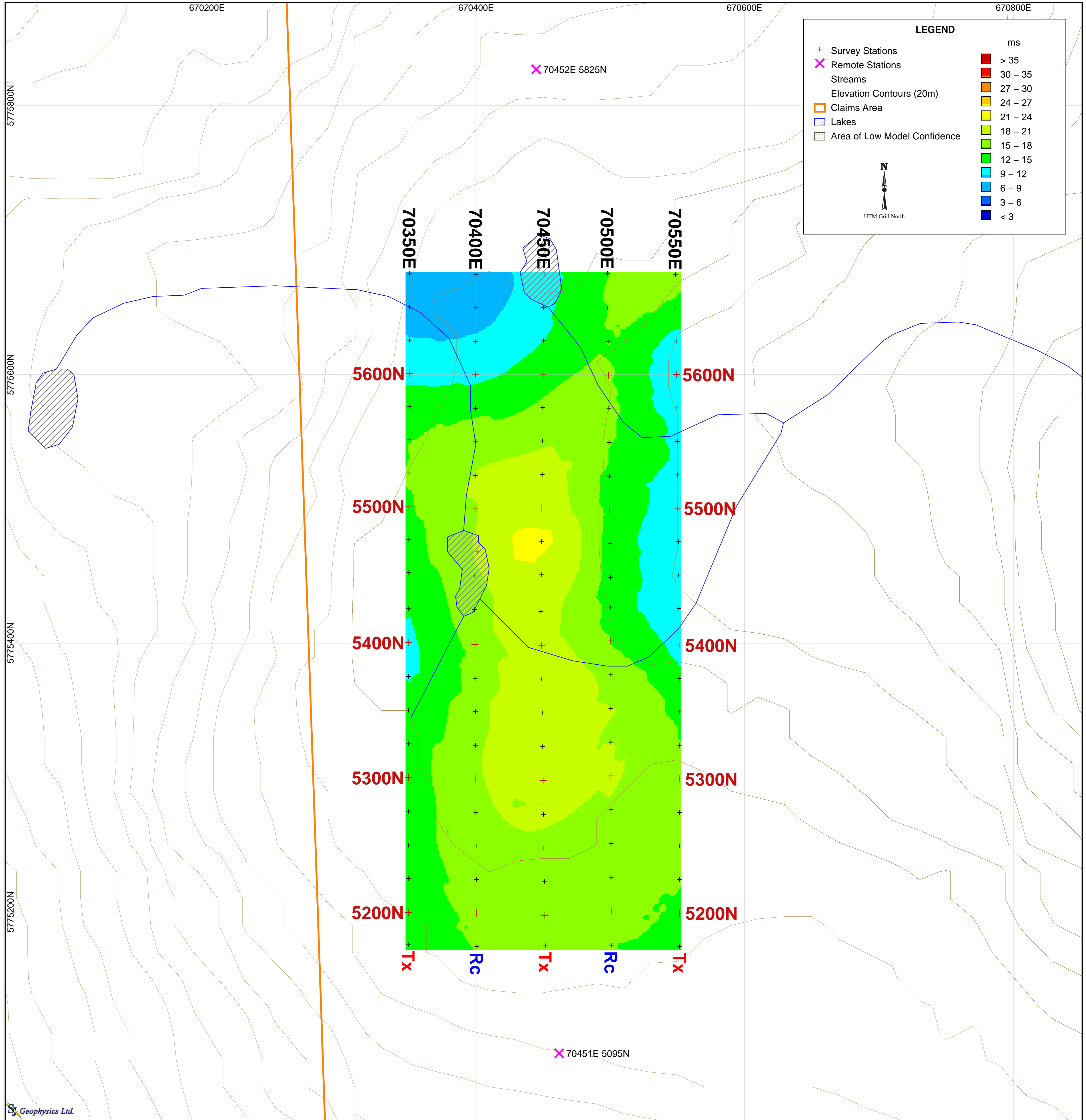
Planmap

3D Inversion Model: Second Inversion

Depth: 125m Below Topography



**Happy Creek Minerals Ltd.**  
**Interpreted Chargeability (ms)**  
**Fox Grid**  
**100 Mile House, British Columbia**

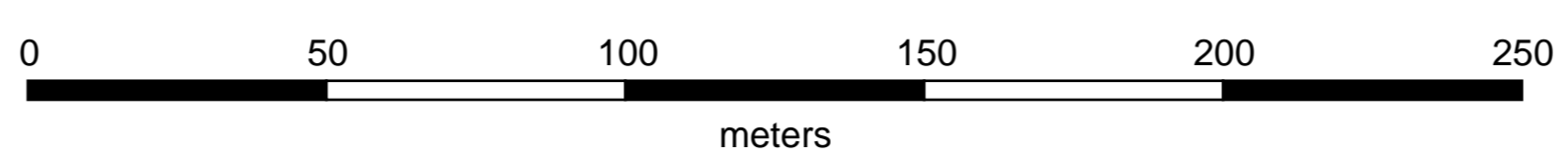


Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

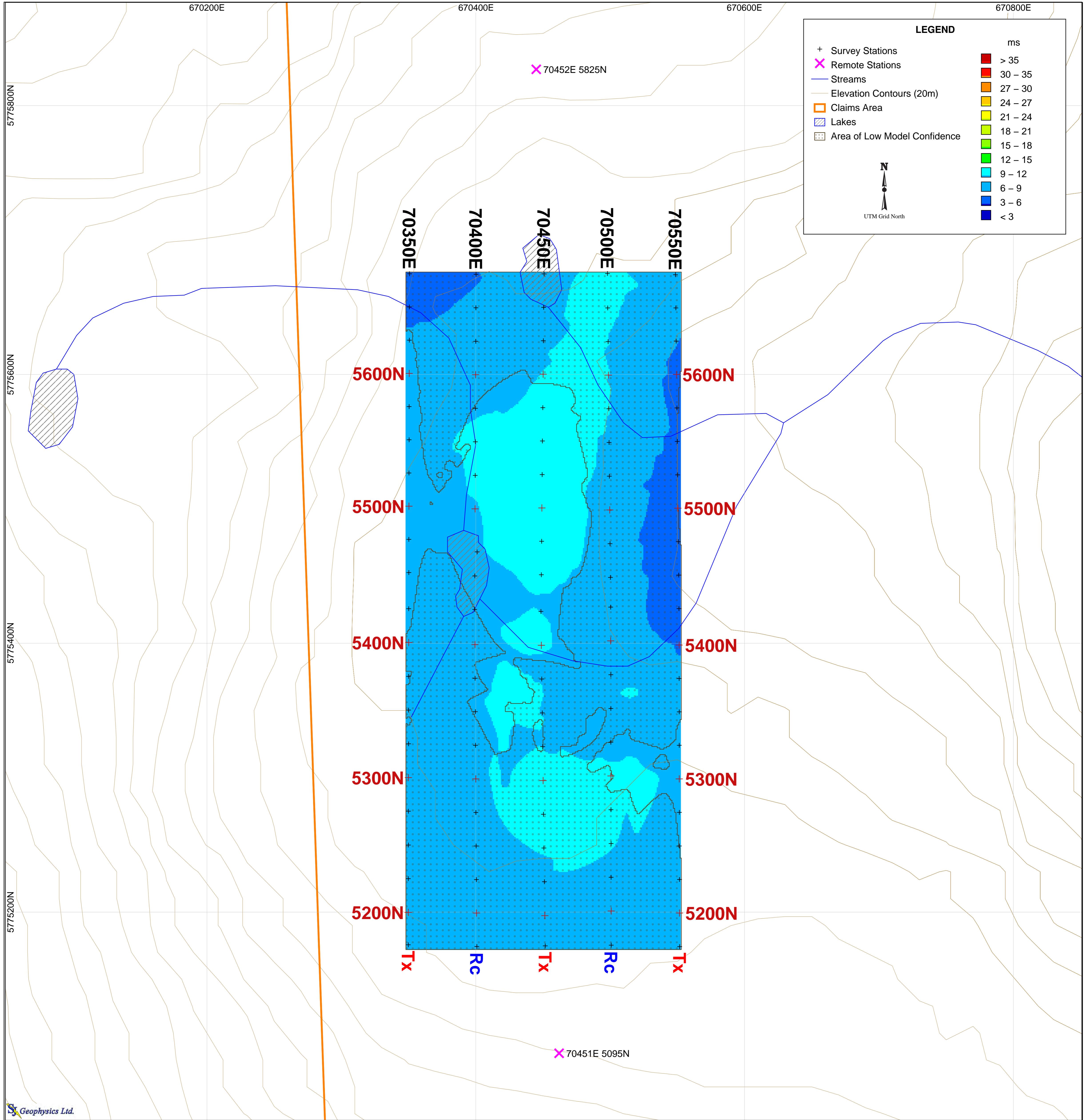
Instrumentation:  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

Planmap  
 3D Inversion Model: Second Inversion  
 Depth: 150m Below Topography



**Happy Creek Minerals Ltd.**  
**Interpreted Chargeability (ms)**  
**Fox Grid**  
**100 Mile House, British Columbia**



**LEGEND**

+ Survey Stations	ms
X Remote Stations	> 35
— Streams	30 – 35
— Elevation Contours (20m)	27 – 30
□ Claims Area	24 – 27
▨ Lakes	21 – 24
⋯ Area of Low Model Confidence	18 – 21
	15 – 18
	12 – 15
	9 – 12
	6 – 9
	3 – 6
	< 3

N  
UTM Grid North

**SJ Geophysics Ltd.**

Project Information:  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

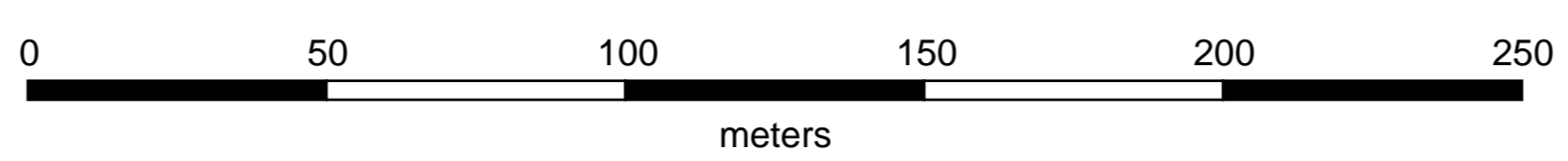
Instrumentation:  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

Mapping Information:  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

**Planmap**

3D Inversion Model: Second Inversion

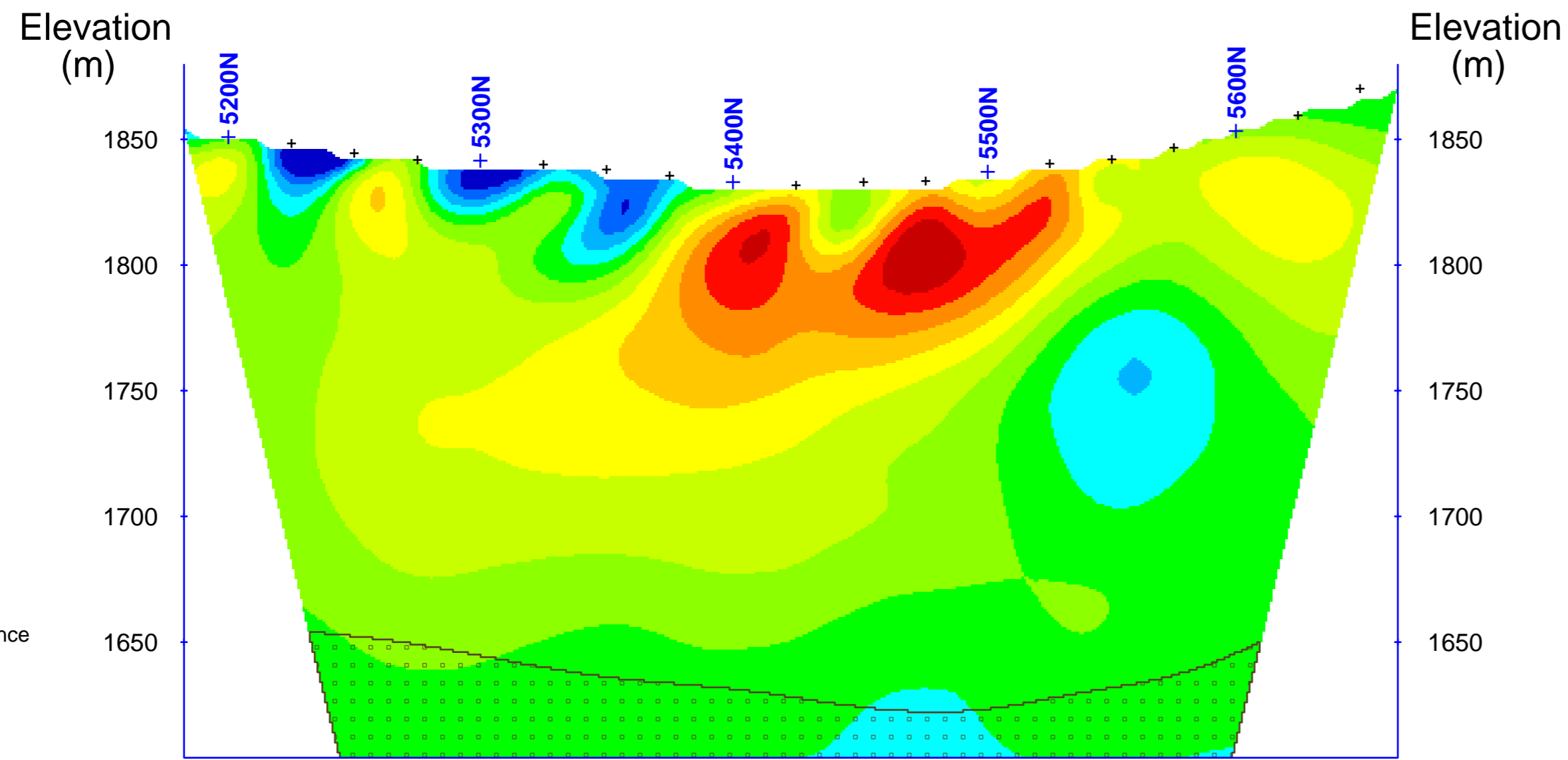
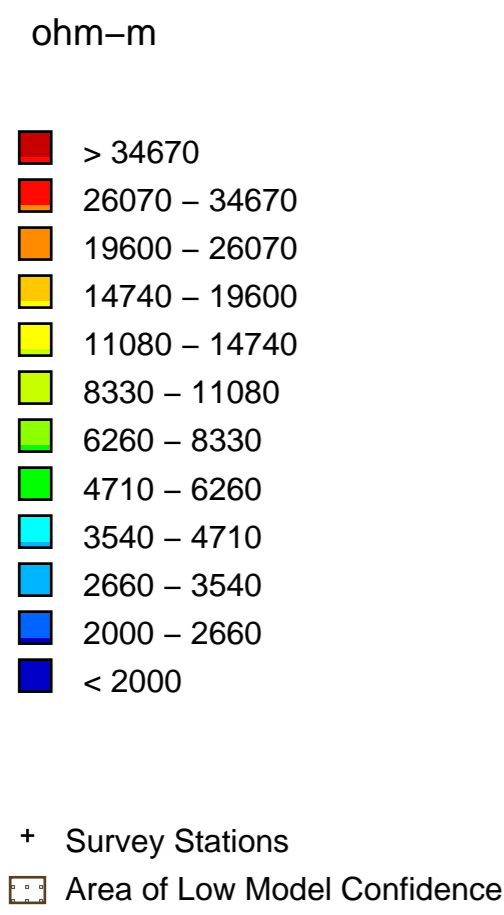
Depth: 200m Below Topography



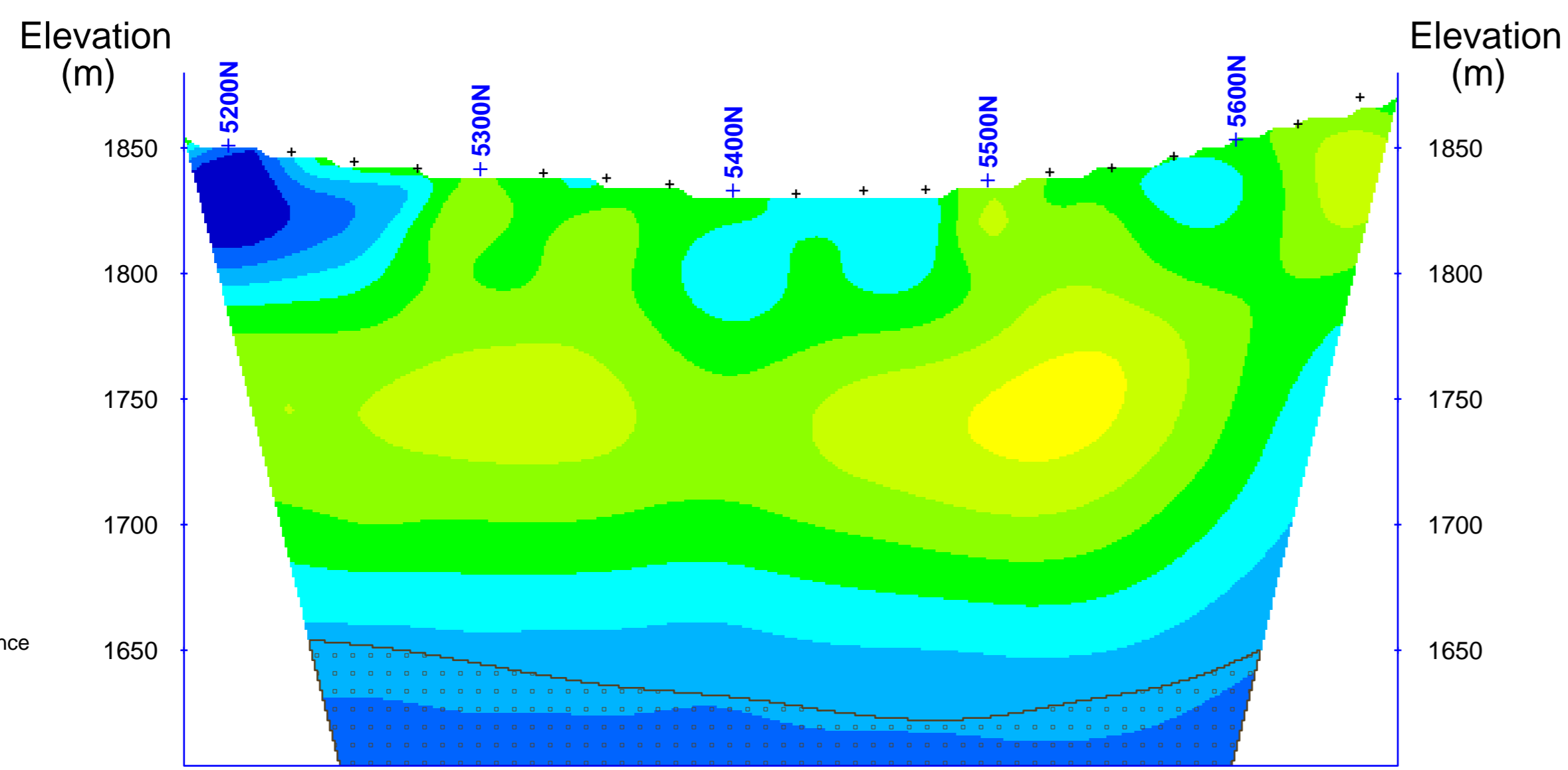
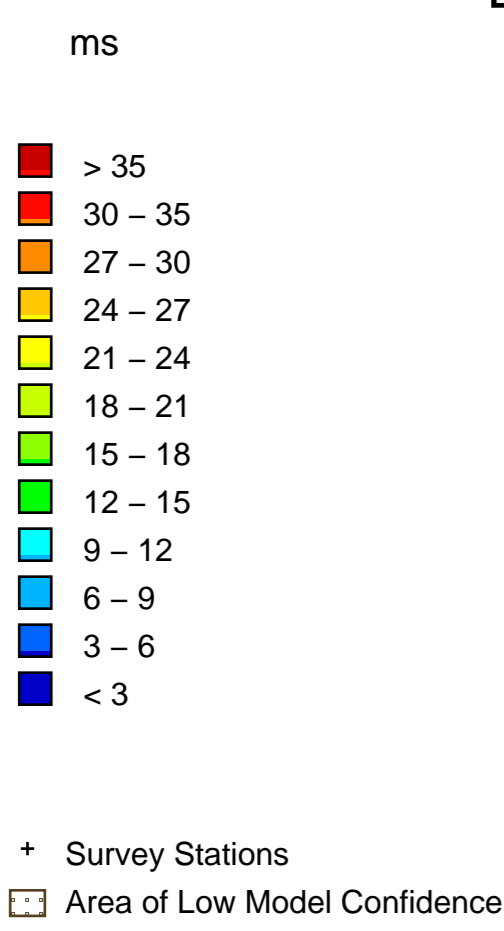
**Happy Creek Minerals Ltd.**  
**Interpreted Chargeability (ms)**

**Fox Grid**

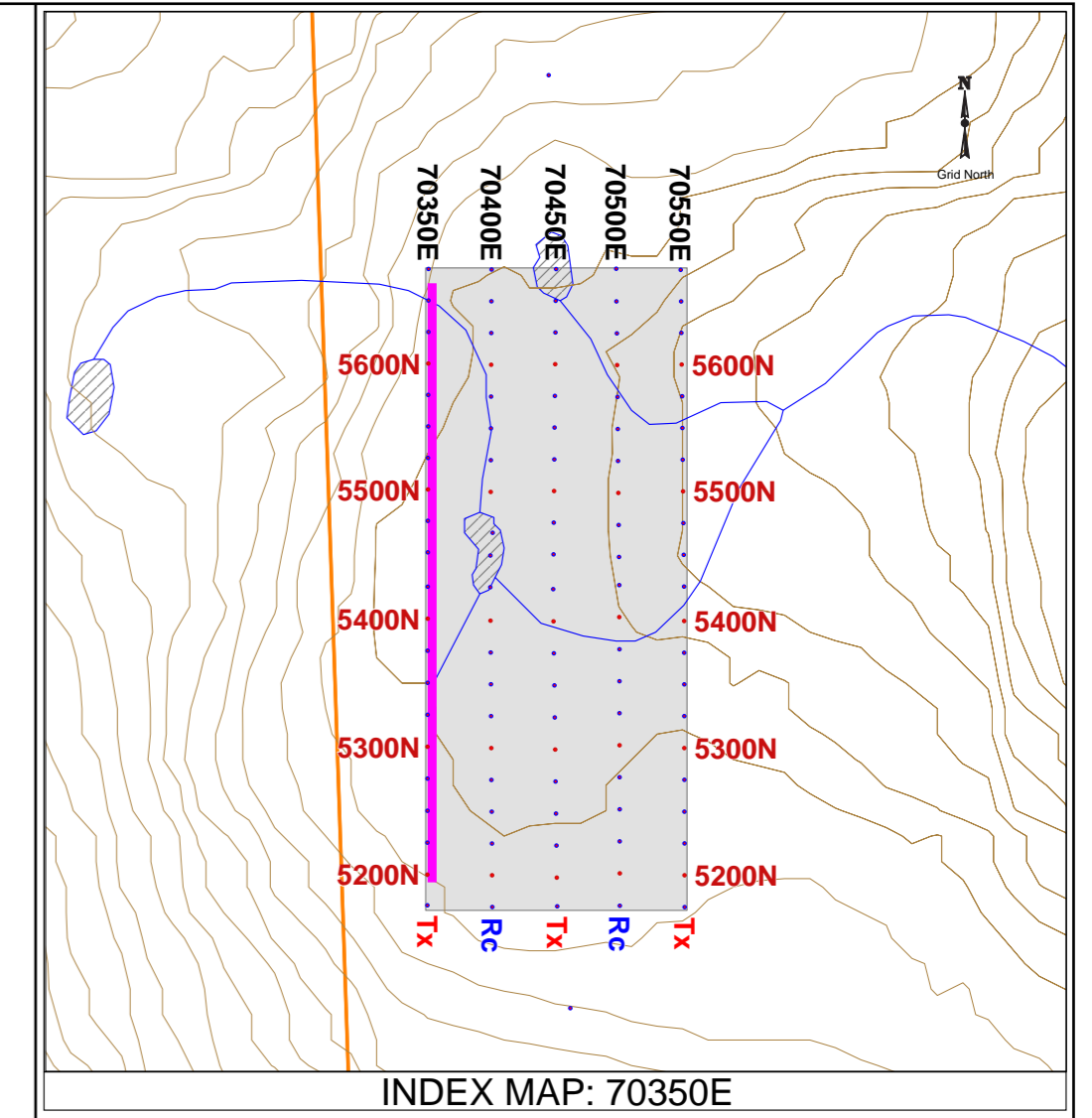
**100 Mile House, British Columbia**



Interpreted Resistivity (ohm-m)



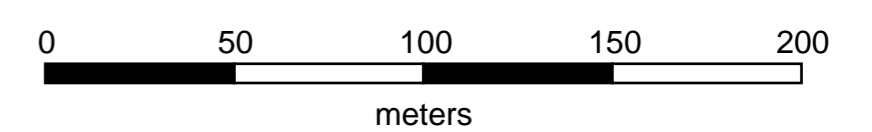
Interpreted Chargeability (ms)



**Project Information:**  
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 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

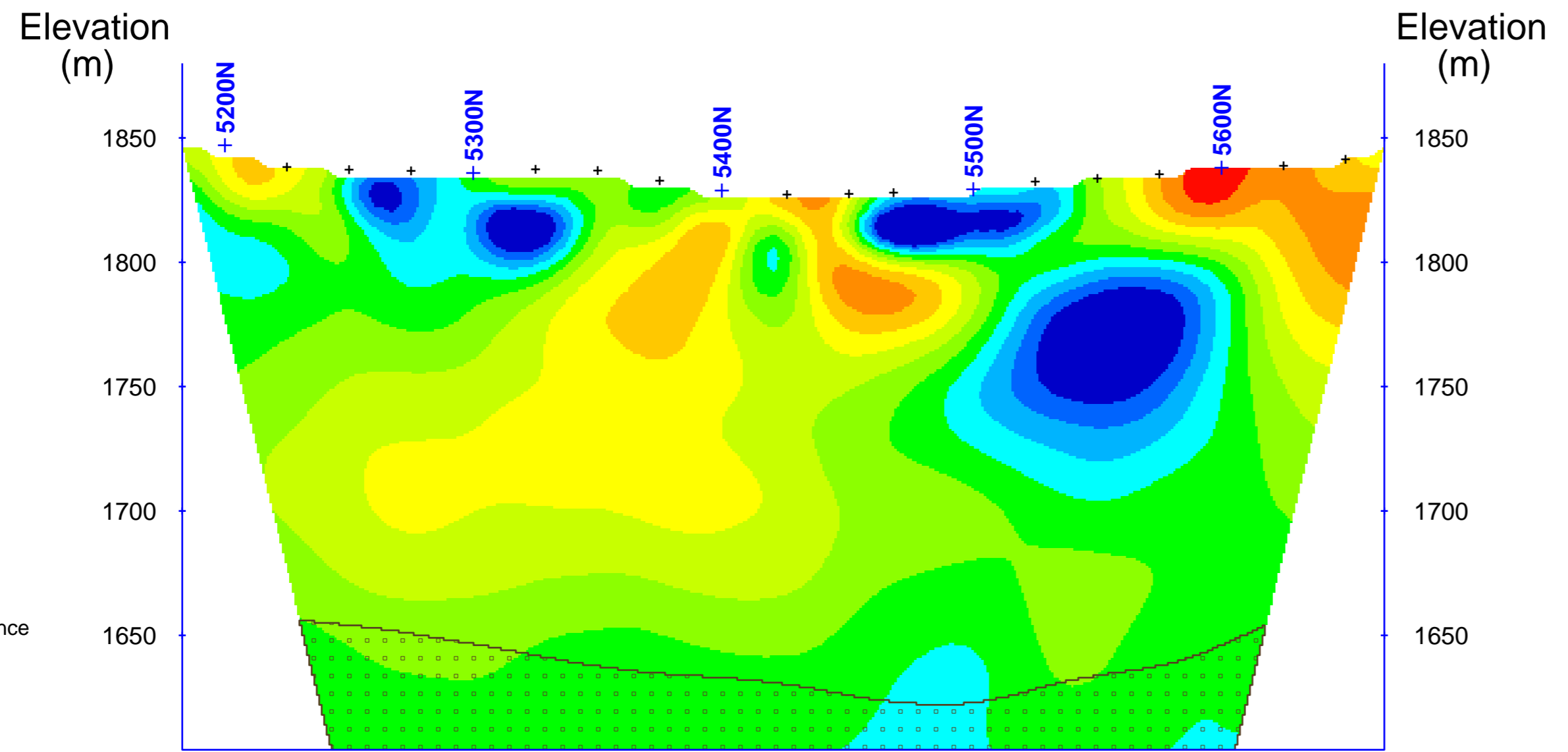
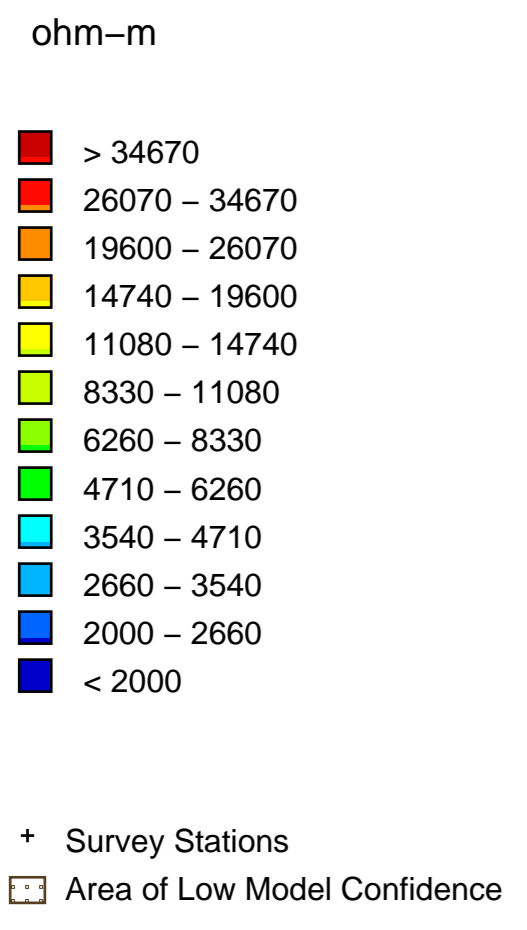
**Instrumentation:**  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

**Mapping Information:**  
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 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

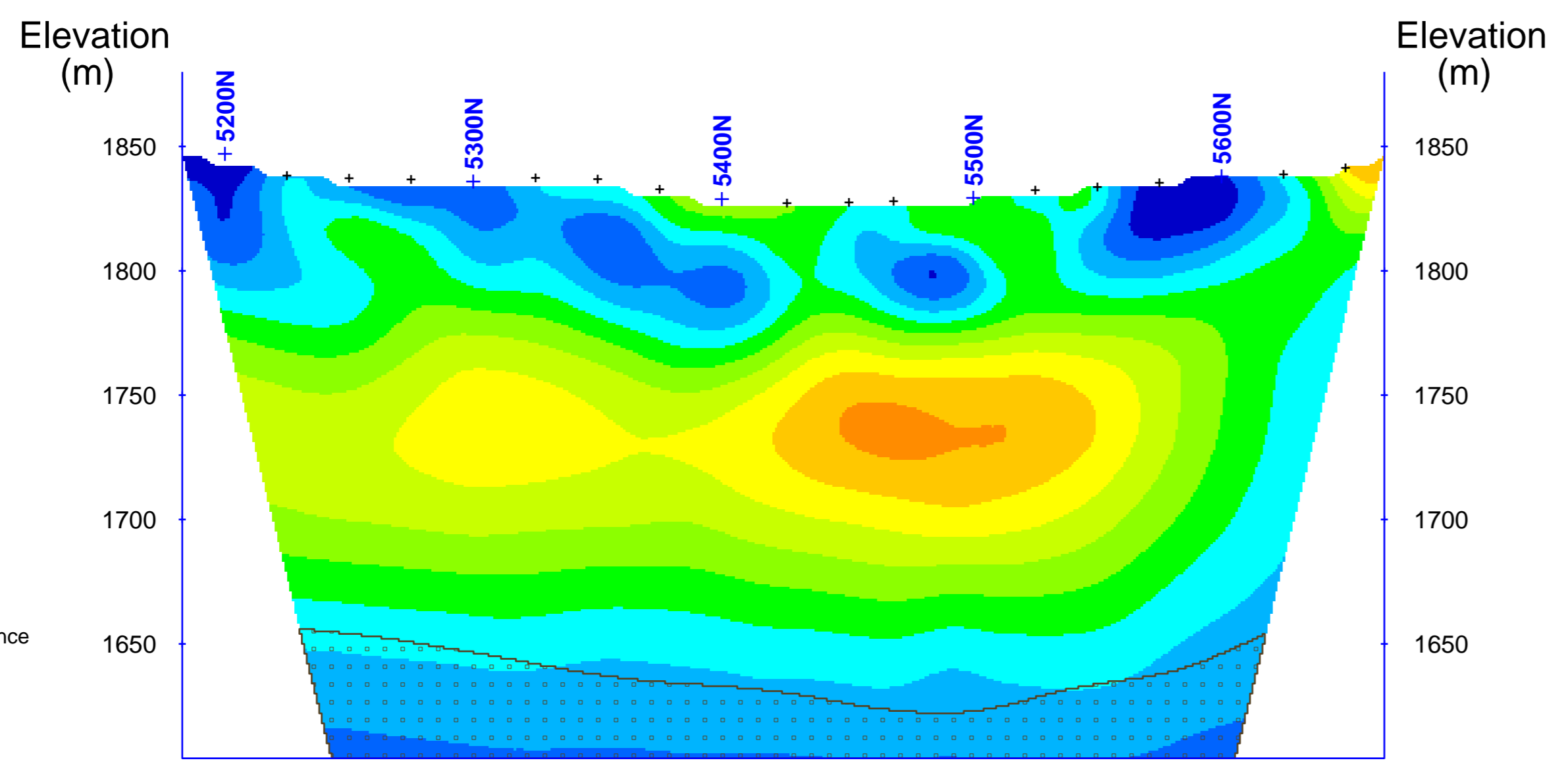
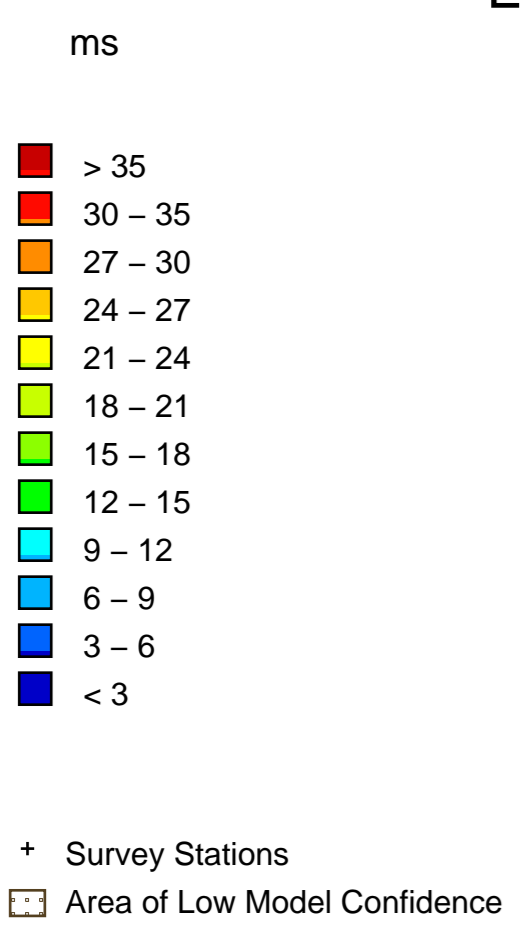


**Happy Creek Minerals Ltd.**  
**Fox Grid**  
 100 Mile House, British Columbia

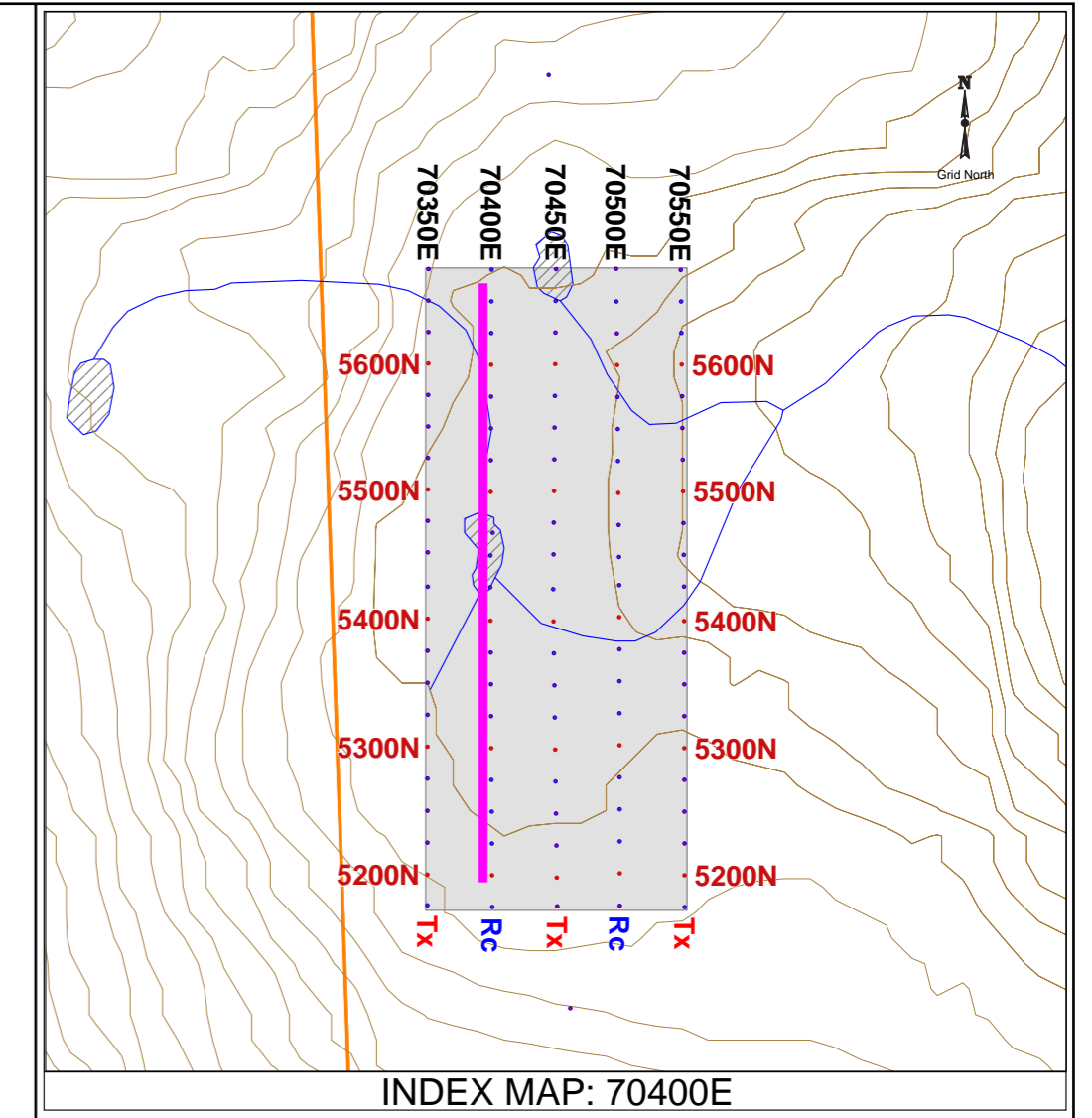
**3D Inversion Model:  
 Second Inversion**  
 of  
**Interpreted  
 Resistivity & Chargeability**  
 Cross Section Map  
 Section: 70350E



Interpreted Resistivity (ohm-m)



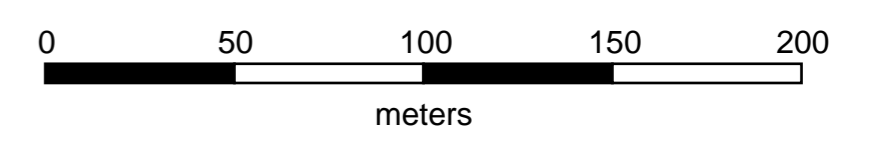
Interpreted Chargeability (ms)



**Project Information:**  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

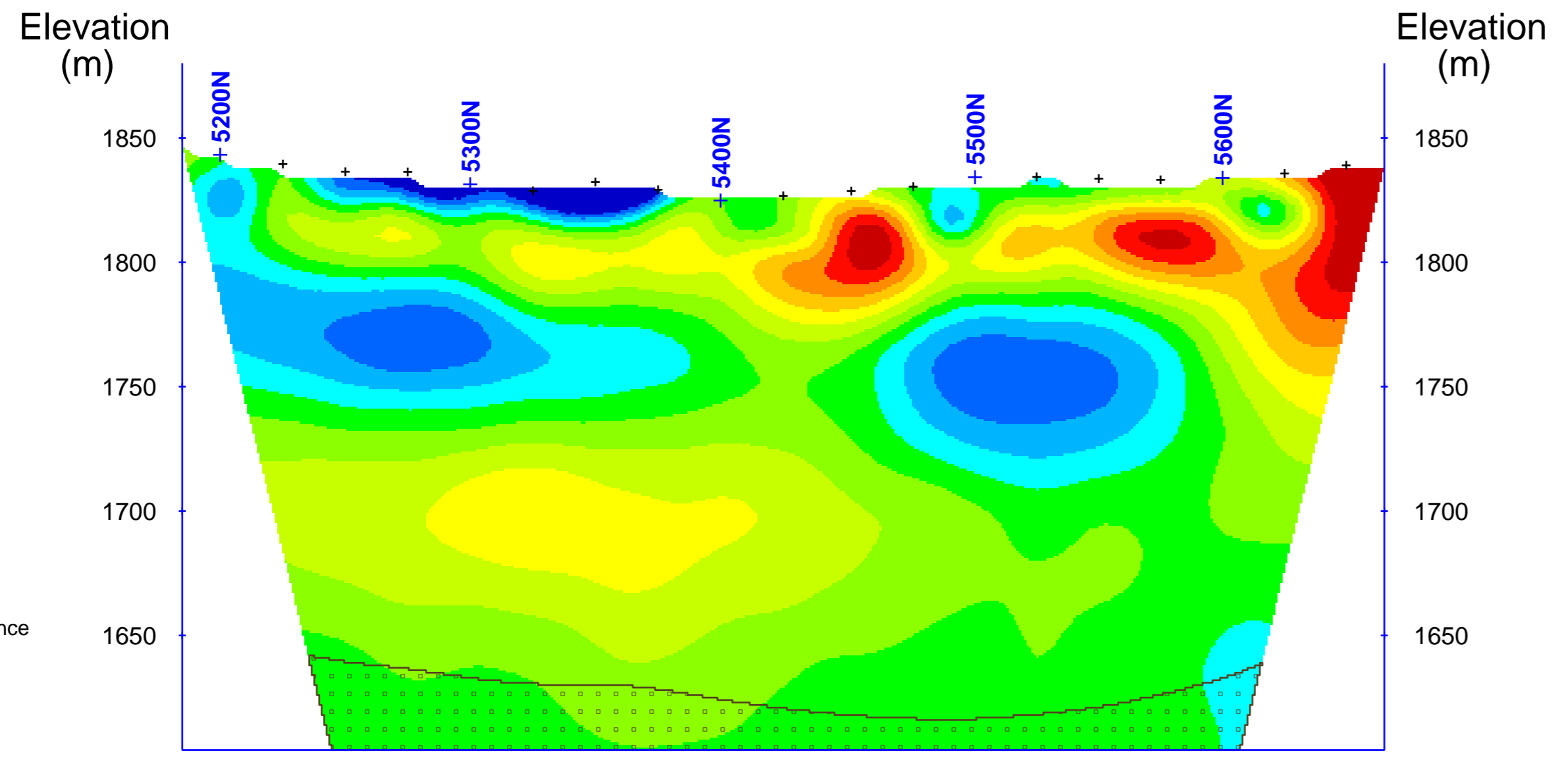
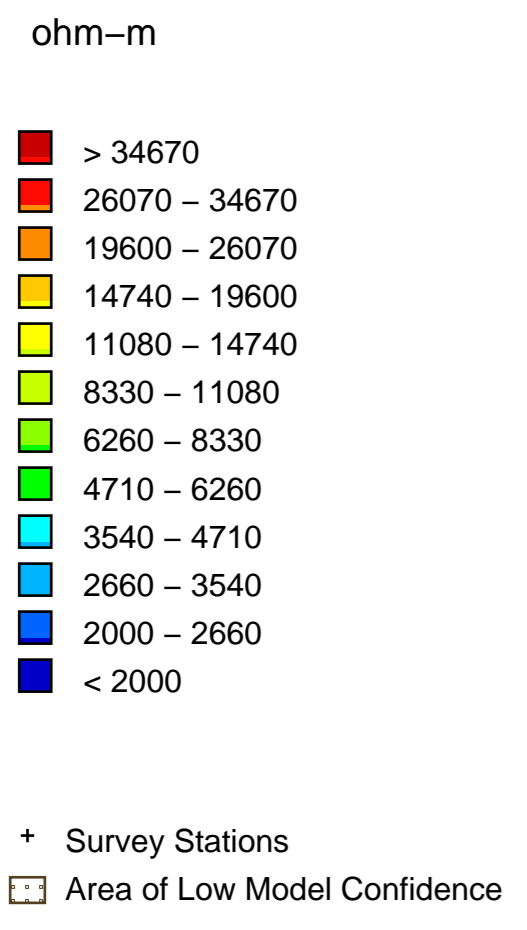
**Instrumentation:**  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

**Mapping Information:**  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

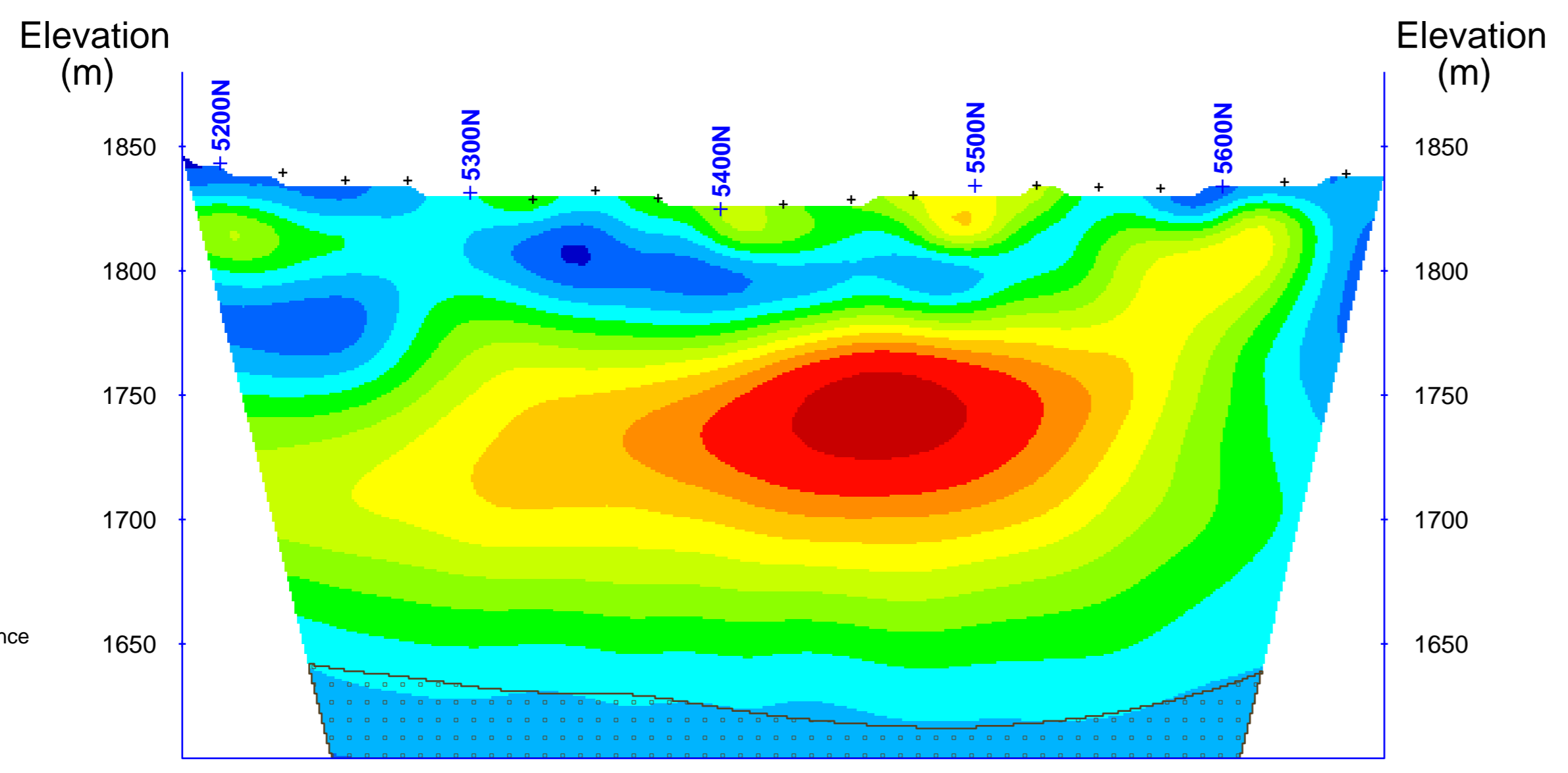
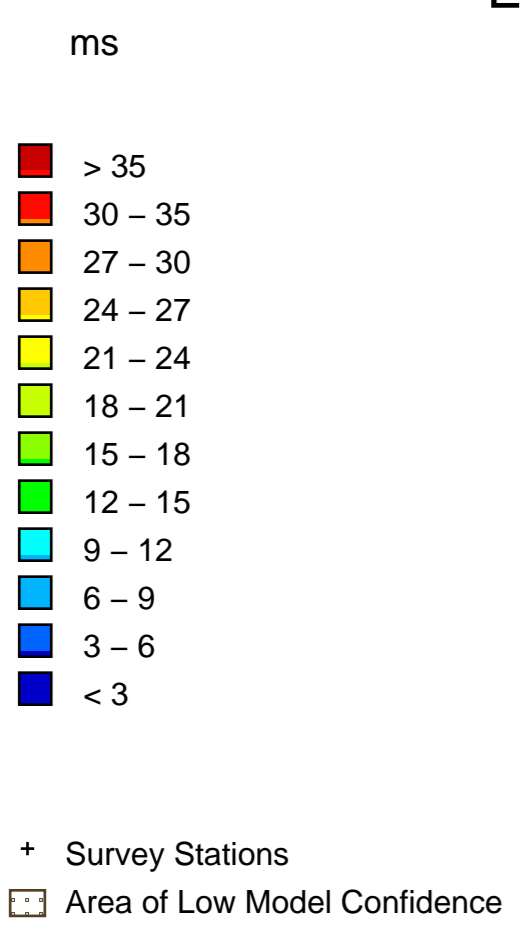


**Happy Creek Minerals Ltd.**  
**Fox Grid**  
 100 Mile House, British Columbia

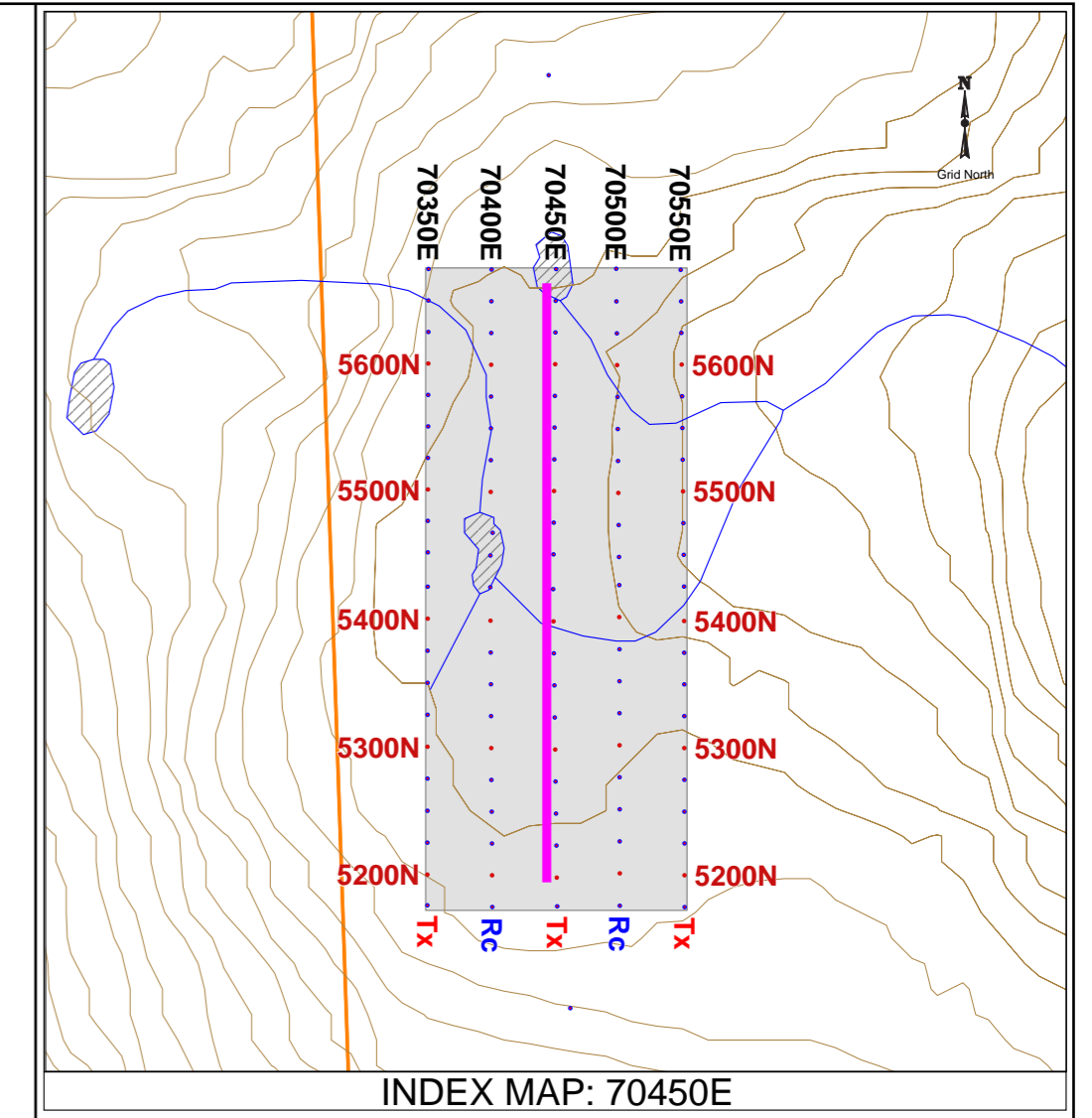
**3D Inversion Model:  
 Second Inversion**  
 of  
**Interpreted  
 Resistivity & Chargeability**  
 Cross Section Map  
 Section: 70400E



Interpreted Resistivity (ohm-m)



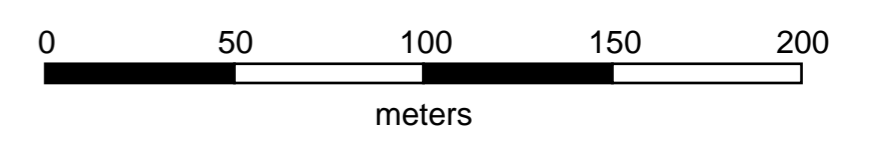
Interpreted Chargeability (ms)



**Project Information:**  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

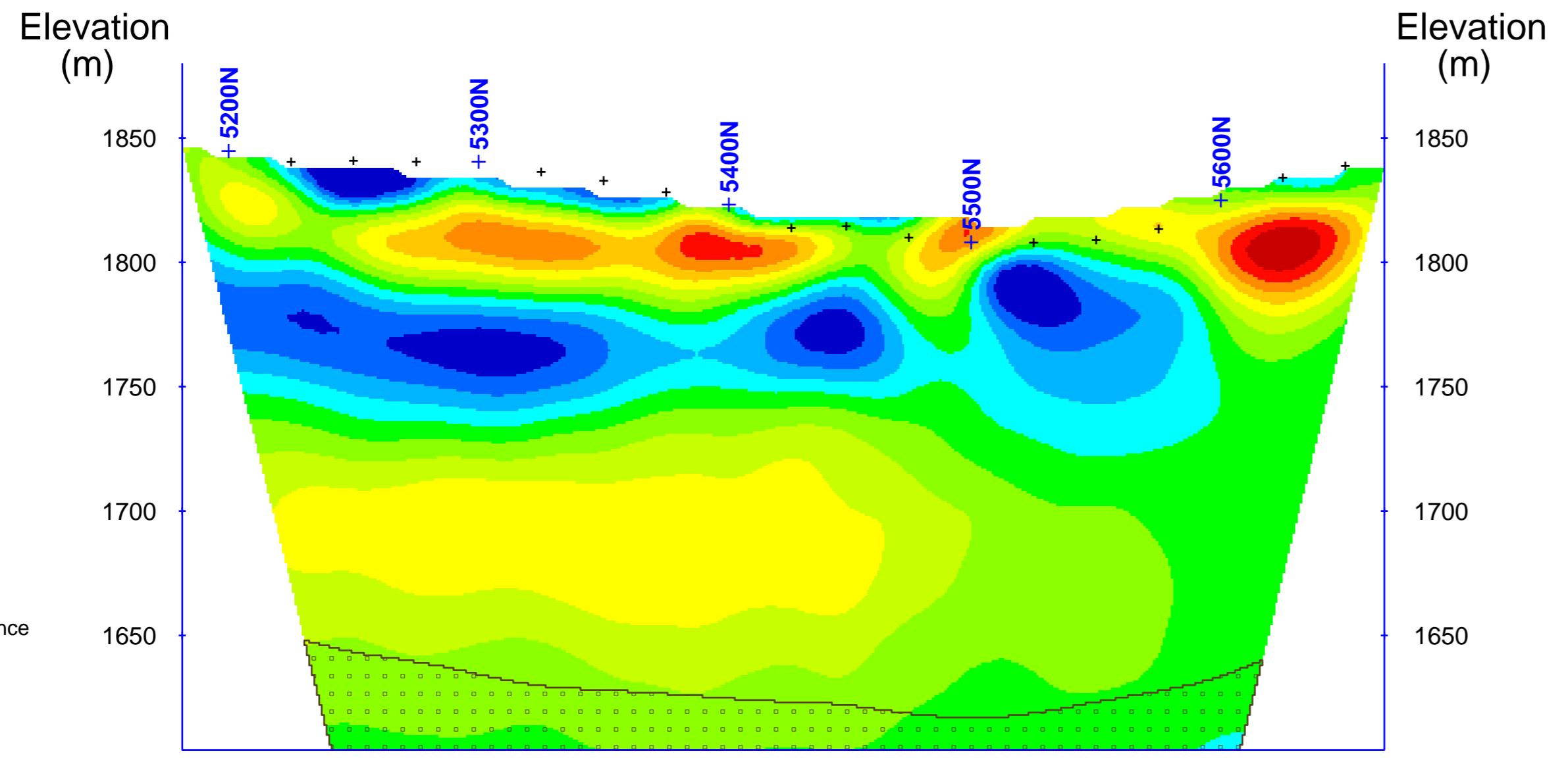
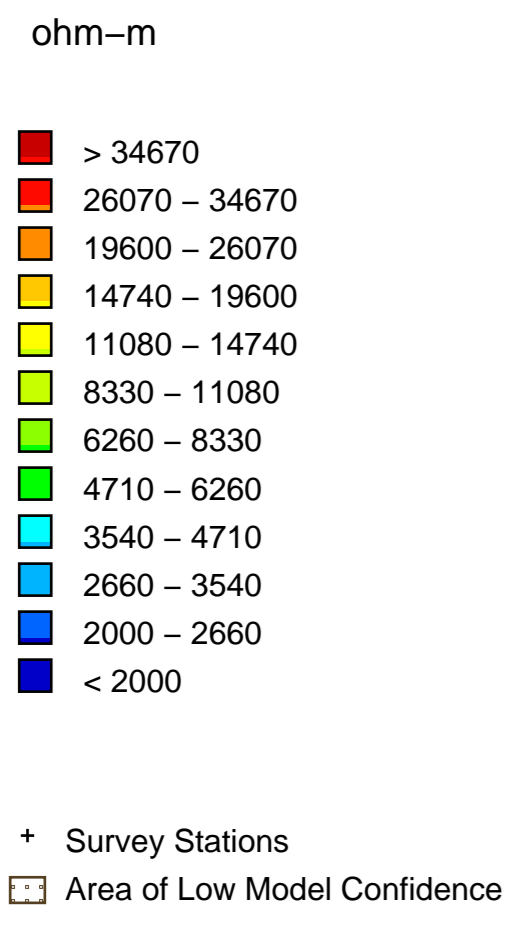
**Instrumentation:**  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

**Mapping Information:**  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

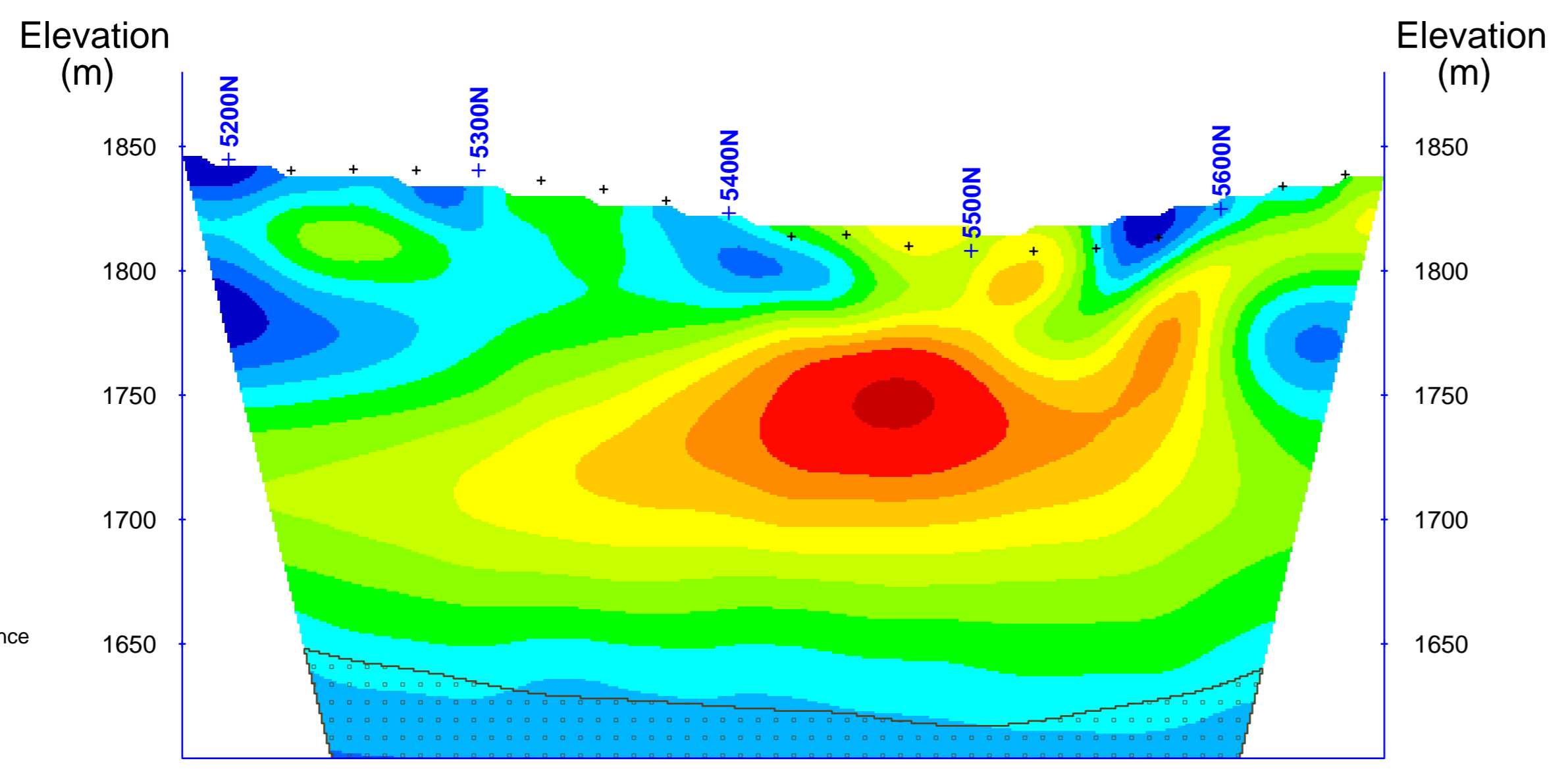
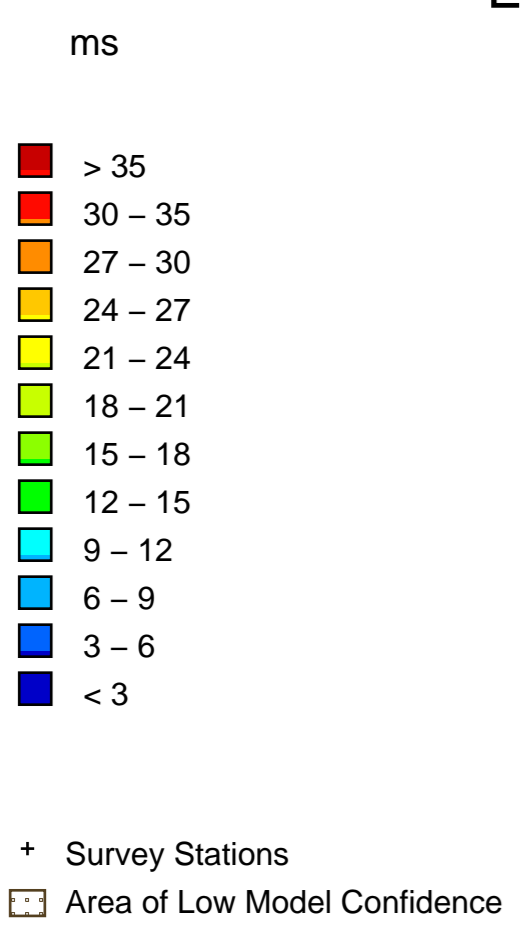


**Happy Creek Minerals Ltd.**  
**Fox Grid**  
 100 Mile House, British Columbia

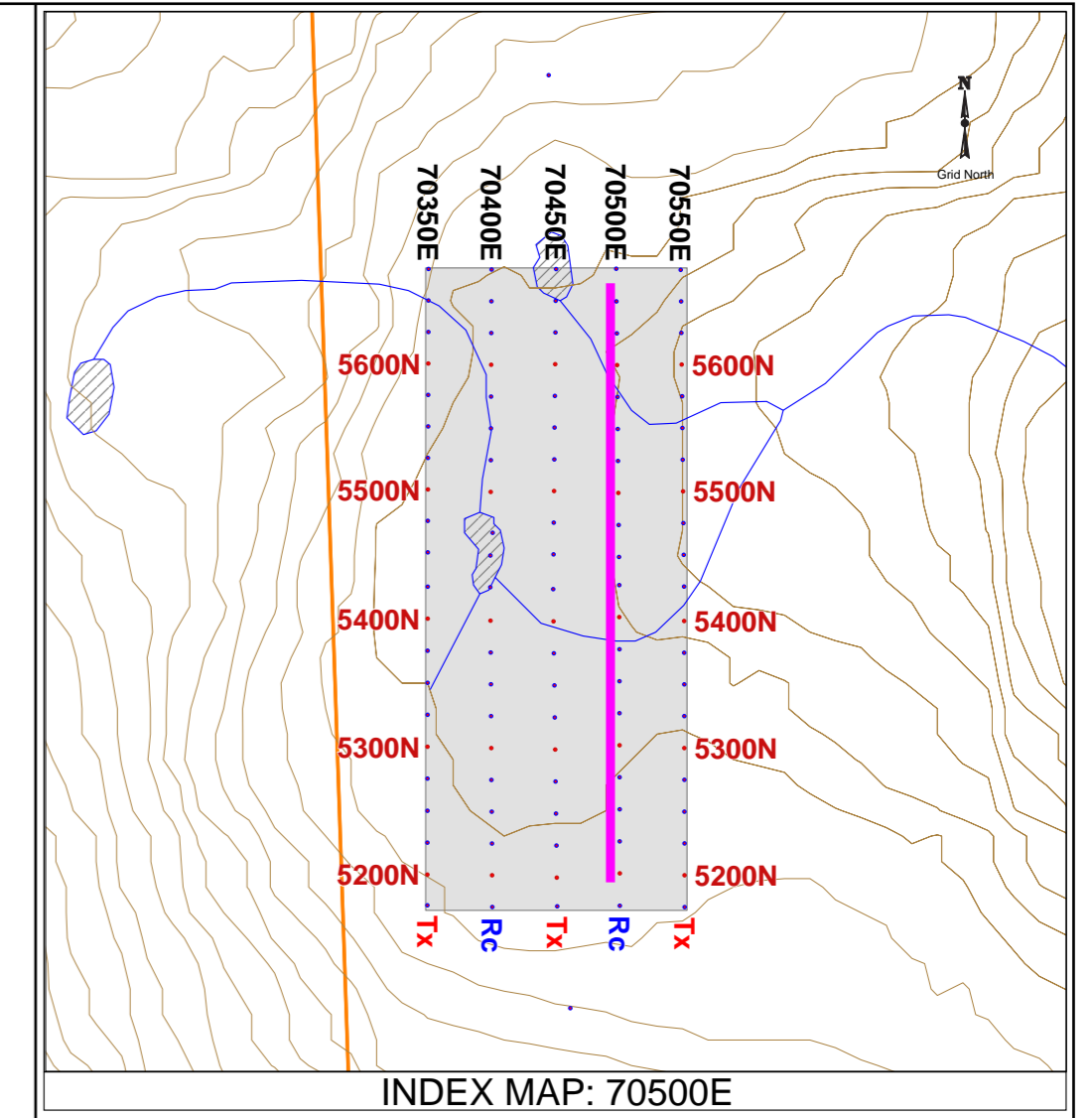
**3D Inversion Model:  
 Second Inversion**  
 of  
**Interpreted  
 Resistivity & Chargeability**  
 Cross Section Map  
 Section: 70450E



Interpreted Resistivity (ohm-m)



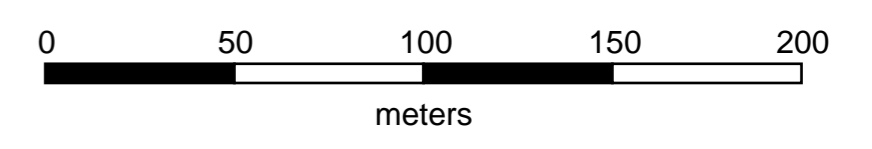
Interpreted Chargeability (ms)



**Project Information:**  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

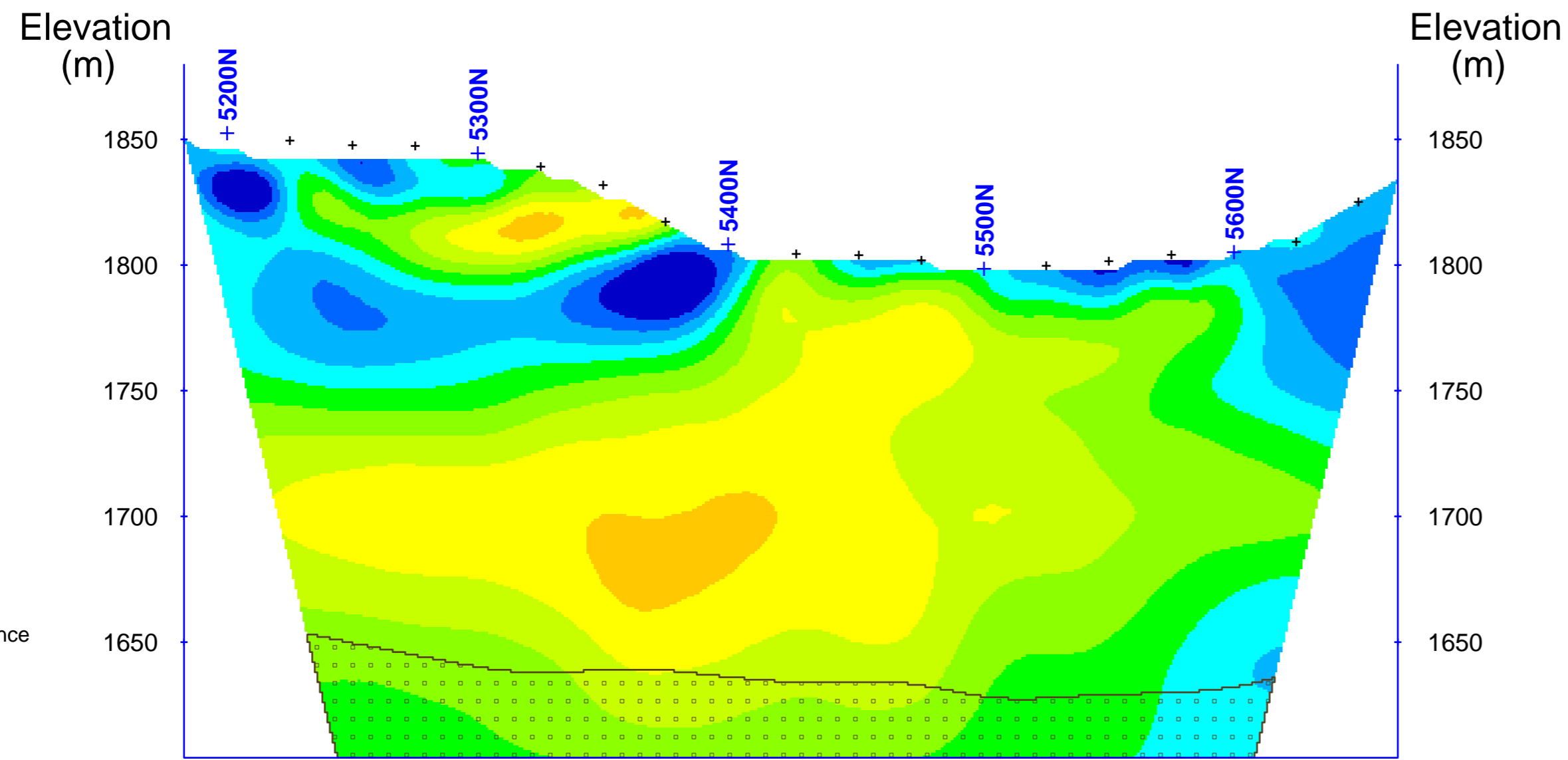
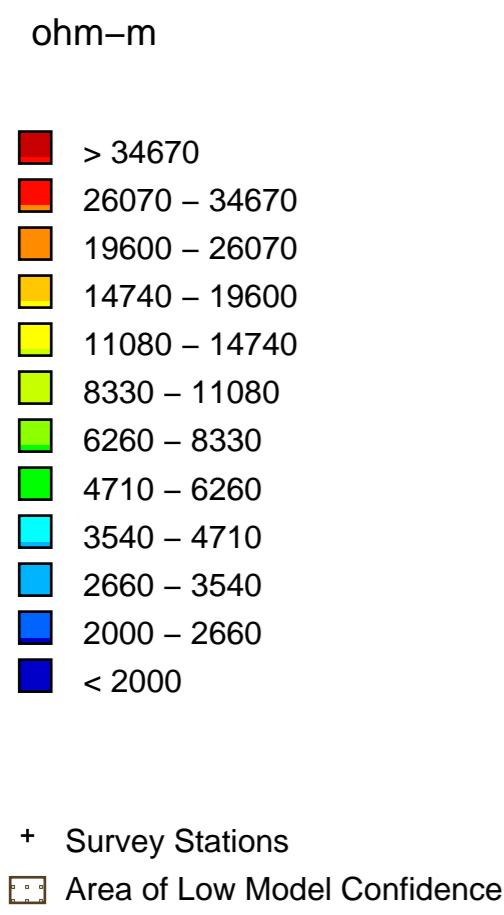
**Instrumentation:**  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

**Mapping Information:**  
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 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012

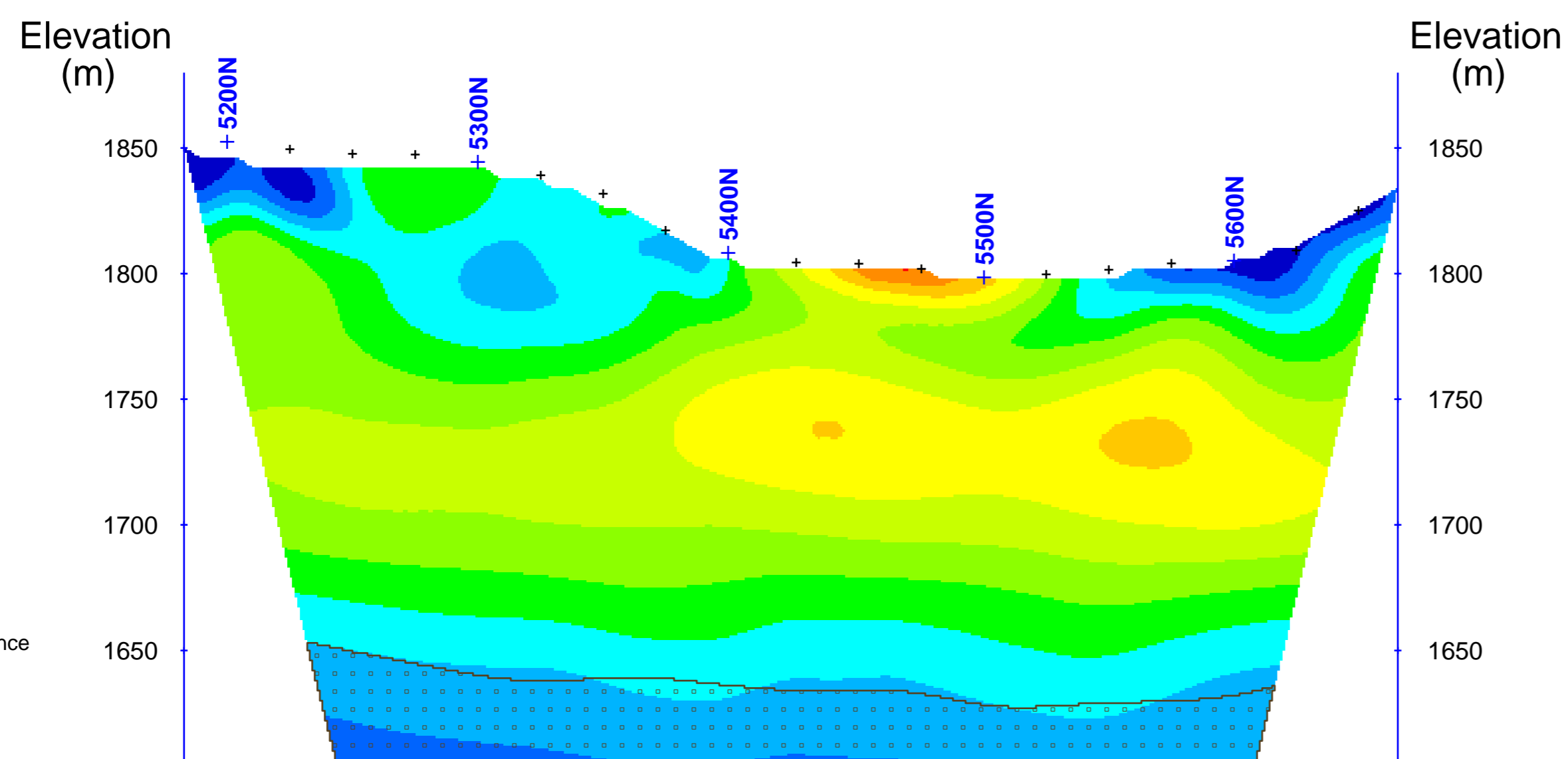
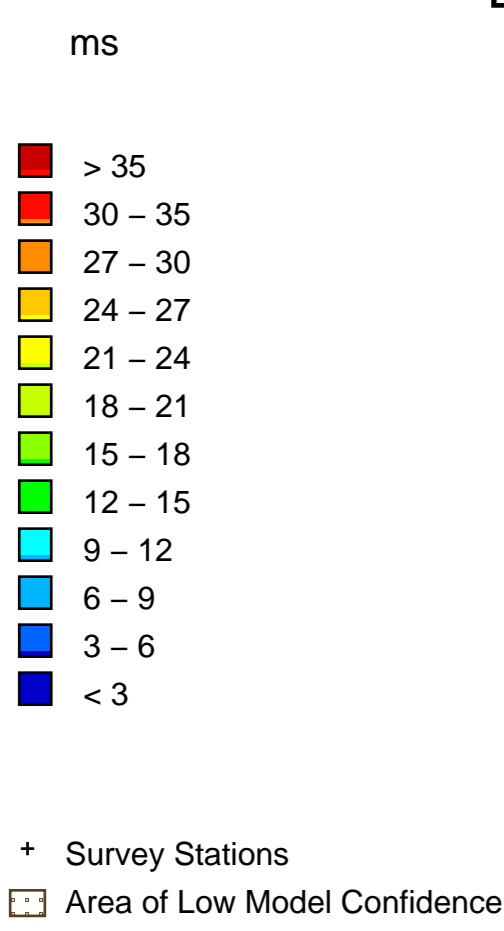


**Happy Creek Minerals Ltd.**  
**Fox Grid**  
 100 Mile House, British Columbia

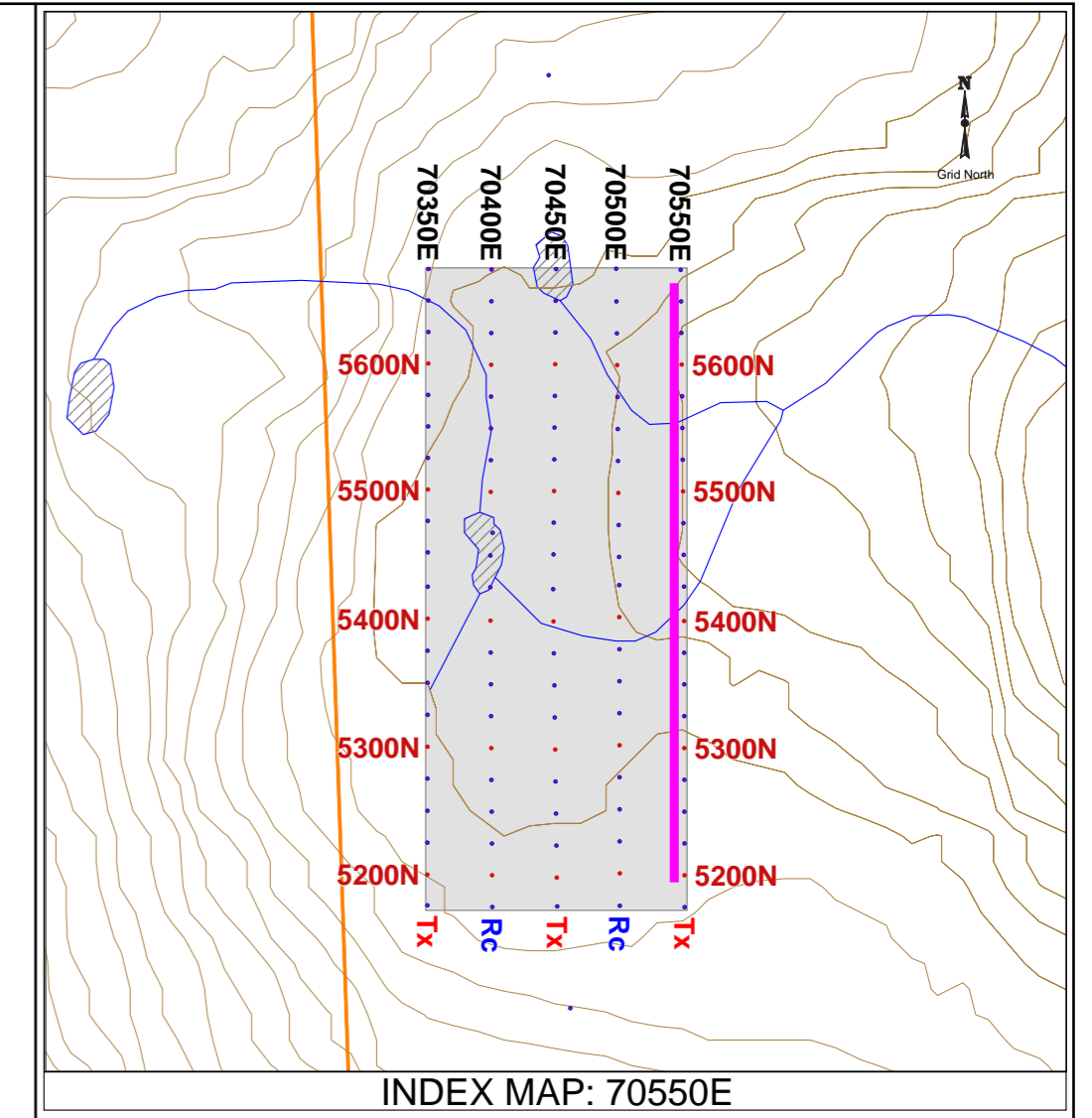
**3D Inversion Model:**  
**Second Inversion**  
 of  
**Interpreted**  
**Resistivity & Chargeability**  
 Cross Section Map  
 Section: 70500E



Interpreted Resistivity (ohm-m)



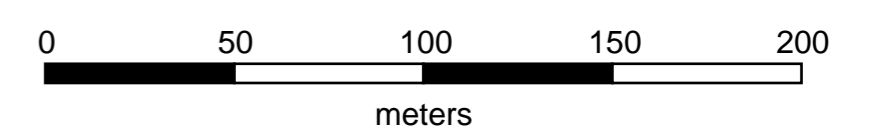
Interpreted Chargeability (ms)



**Project Information:**  
 Survey by: SJ Geophysics Ltd.  
 3D Inversion by: S.J.V. Consultants Ltd.  
 Survey Date: November 2011

**Instrumentation:**  
 Receiver: SJ-24 Full-Waveform Digital IP Receiver  
 Transmitter: GDD TX II  
 Array Type: 3D

**Mapping Information:**  
 Datum: NAD83  
 Projection: UTM Zone 10  
 Mapping Date: 03-Jan-2012



**Happy Creek Minerals Ltd.**  
**Fox Grid**  
 100 Mile House, British Columbia

**3D Inversion Model:  
 Second Inversion**  
 of  
**Interpreted  
 Resistivity & Chargeability**  
 Cross Section Map  
 Section: 70550E

# Appendix 4

## Certificates of Analyses

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

ATTENTION TO: DAVID BLANN

PROJECT NO: FOX

AGAT WORK ORDER: 11V524549

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

DATE REPORTED: Sep 16, 2011

PAGES (INCLUDING COVER): 15

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

\*NOTES

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



## Certificate of Analysis

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011		DATE RECEIVED: Aug 31, 2011				DATE REPORTED: Sep 16, 2011				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
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
E5266260	0.99	0.12	0.29	0.6	<0.01	<5	39	0.23	0.43	0.09	0.09	26.5	0.9	101
E5266261	1.30	0.13	1.68	0.6	<0.01	<5	132	0.24	0.22	0.34	0.10	47.3	11.5	155
E5266262	4.45	0.10	2.01	0.5	<0.01	<5	50	1.70	1.04	9.87	0.38	17.7	4.0	64.8
E5266263	4.61	0.05	0.58	<0.1	<0.01	<5	20	0.56	0.16	18.5	0.35	11.7	2.6	33.2
E5266264	3.12	0.08	1.82	0.3	<0.01	<5	14	2.10	1.39	9.44	0.87	17.9	1.9	65.0
E5266265	1.83	0.74	4.21	0.3	0.02	<5	13	26.3	57.7	6.79	95.1	22.0	5.5	75.4
E5266266	0.45	0.12	8.31	<0.1	<0.01	<5	17	71.5	7.34	6.26	28.7	11.0	1.0	56.3
E5266267	3.35	1.02	3.53	0.3	0.05	<5	8	53.9	207	5.69	149	19.3	6.1	62.5
E5266268	2.45	0.54	1.52	0.6	0.02	<5	36	5.90	111	1.68	8.80	49.6	8.5	120
E5266269	0.40	0.03	0.02	<0.1	<0.01	<5	5	0.16	0.98	>25	0.29	0.75	0.2	1.0
E5266270	1.29	0.07	1.58	18.3	<0.01	<5	191	0.57	0.50	1.31	0.11	48.1	8.9	107
E5266271	2.80	3.76	0.21	5.8	<0.01	<5	9	0.39	128	0.43	0.17	12.3	1.2	95.4
E5266272	0.53	0.21	0.05	11.8	<0.01	<5	2	0.09	24.6	0.02	0.04	2.48	1.4	188
E5266273	3.53	0.17	0.22	1.6	<0.01	<5	6	0.36	3.36	0.25	0.09	12.6	0.5	104
E5266274	2.29	0.47	0.23	0.7	<0.01	<5	9	0.38	30.3	0.45	0.07	10.9	0.4	89.0
E5266275	2.68	0.17	1.27	0.4	<0.01	<5	15	4.21	3.02	1.76	9.25	11.3	1.6	93.1
E5266276	4.65	0.29	2.00	0.2	<0.01	<5	25	2.21	11.3	13.7	91.9	28.2	4.0	59.5
E5266277	1.27	0.04	0.33	<0.1	<0.01	<5	26	0.18	0.50	>25	1.10	12.5	1.7	14.4
E5266278	2.11	0.09	1.41	0.7	<0.01	<5	18	0.80	0.15	11.3	0.98	15.0	1.2	69.6
E5266279	1.75	0.07	1.43	0.8	<0.01	<5	19	1.37	0.99	11.5	1.05	14.6	1.1	51.4
E5266280	1.78	2.22	3.80	0.6	0.22	6	10	141	509	5.68	404	16.7	6.4	70.0
E5266281	1.32	0.45	2.32	0.5	0.05	<5	69	6.05	67.1	1.56	28.2	47.8	13.4	115
E5266282	3.13	0.94	1.70	1.2	0.06	<5	49	9.21	217	2.46	1.12	35.8	7.4	123
E5266283	3.57	0.46	0.61	0.4	0.04	<5	13	5.47	78.3	2.05	0.11	22.3	1.8	97.8
E5266284	3.45	0.39	0.31	0.5	<0.01	<5	24	1.40	8.96	1.03	0.13	19.3	1.0	98.0
E5266285	1.77	0.15	1.32	0.5	<0.01	<5	67	1.60	2.77	1.03	0.04	31.9	5.8	141
E5266286	2.85	0.11	1.27	0.6	<0.01	<5	85	0.85	1.29	0.64	0.04	37.0	7.6	130
FX11 DR-1	1.27	0.06	0.17	0.6	<0.01	<5	19	0.11	32.9	0.02	0.15	7.53	0.8	176
FX11 DR-2	1.07	0.35	0.22	1.3	0.01	<5	27	0.14	150	0.07	0.57	4.86	0.9	196
FX11 DR-3	1.10	0.17	0.12	0.8	0.02	<5	14	0.08	73.3	0.01	0.04	4.79	2.1	595
FX11 DR-4	1.42	0.07	0.38	0.9	<0.01	<5	151	0.06	5.90	0.06	16.2	5.16	2.3	552
FX11 DR-5	1.18	0.27	0.34	1.5	<0.01	<5	56	0.27	32.7	0.04	0.19	7.15	2.0	413

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011

DATE RECEIVED: Aug 31, 2011

DATE REPORTED: Sep 16, 2011

SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description	RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
FX11 DR-6	1.15	0.28	0.27	3.2	0.01	<5	26	0.25	54.5	0.14	0.28	7.74	2.0	507
FX11 DR-7	1.12	0.12	0.11	0.7	<0.01	<5	19	0.07	1.15	<0.01	0.01	5.10	1.0	252
FX11 DR-8	1.12	0.14	0.23	1.4	<0.01	<5	19	0.20	5.61	0.04	0.37	12.3	1.3	125
FX11 DR-9	1.49	1.44	2.38	0.9	0.05	<5	20	2.44	203	2.30	224	13.0	5.8	39.3
FX11 DR-10	1.01	1.76	0.29	34.2	<0.01	5	33	0.29	5.50	0.01	3.00	15.8	1.9	288
708691	1.15	0.24	0.30	1.0	<0.01	<5	46	0.12	107	0.06	0.38	6.25	1.2	204
708692	0.96	0.16	0.05	0.7	<0.01	<5	16	<0.05	7.17	<0.01	0.25	2.13	1.5	350
708693	1.10	0.19	4.71	0.5	<0.01	<5	45	7.14	7.39	5.65	5.99	10.4	3.9	113

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V524549

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DATE SAMPLED: Aug 31, 2011	DATE RECEIVED: Aug 31, 2011				DATE REPORTED: Sep 16, 2011				SAMPLE TYPE: Rock					
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
E5266260	1.10	16.5	0.53	1.99	0.09	0.25	<0.01	0.012	0.16	13.8	10.0	0.06	116	1.12
E5266261	7.23	27.2	3.37	9.04	0.14	0.09	0.02	0.038	1.06	24.0	78.6	0.94	414	1.60
E5266262	0.86	17.7	1.13	7.77	0.19	0.33	0.07	0.011	0.02	9.2	11.3	0.12	494	0.62
E5266263	0.16	7.6	0.39	2.04	<0.05	0.07	0.01	0.007	<0.01	6.9	2.4	0.05	682	0.21
E5266264	0.33	8.8	0.69	6.75	0.34	0.26	0.04	0.017	<0.01	9.6	4.4	0.09	546	0.55
E5266265	1.64	104	2.80	26.1	0.63	7.19	2.23	1.56	0.02	11.9	22.0	0.35	4200	1.29
E5266266	1.32	16.6	0.46	56.4	<0.05	0.19	0.05	0.454	0.05	6.4	1.4	0.01	627	0.36
E5266267	4.02	124	3.22	25.0	0.23	3.00	0.98	2.50	0.05	9.9	21.6	0.34	4510	5.47
E5266268	1.57	131	3.48	9.29	0.14	0.49	0.15	0.156	0.10	25.0	21.2	0.48	606	1.26
E5266269	<0.05	<0.1	0.04	0.16	<0.05	0.08	0.03	0.006	<0.01	0.4	0.3	1.89	62	0.11
E5266270	4.13	27.7	2.63	5.32	0.12	0.06	0.01	0.019	0.47	23.3	22.6	0.53	406	0.76
E5266271	0.58	20.6	0.57	0.95	0.08	0.86	0.20	<0.005	0.15	6.6	1.3	0.02	170	1.25
E5266272	0.09	16.8	0.59	0.19	0.06	0.06	<0.01	<0.005	0.03	1.3	0.3	<0.01	25	3.56
E5266273	0.57	6.1	0.41	1.05	0.08	0.82	0.19	<0.005	0.15	6.6	1.7	0.02	119	1.23
E5266274	0.55	5.4	0.25	0.91	0.08	0.29	0.01	<0.005	0.19	5.6	1.1	0.03	83	20.1
E5266275	2.04	18.7	0.65	5.93	0.07	0.19	0.01	0.141	0.14	6.1	7.1	0.05	318	1.72
E5266276	0.50	51.5	1.84	6.63	0.27	0.51	0.10	1.42	0.03	15.0	6.8	0.19	755	0.49
E5266277	0.27	4.2	0.22	0.94	<0.05	0.03	0.01	0.025	<0.01	7.8	1.2	0.03	1290	0.22
E5266278	0.36	3.4	0.45	4.52	0.23	0.20	0.03	0.012	<0.01	8.7	2.1	0.07	447	0.45
E5266279	0.47	2.7	0.44	4.37	0.19	0.41	0.11	0.011	<0.01	8.5	2.0	0.07	515	0.40
E5266280	2.36	120	2.79	20.4	0.10	3.25	1.04	5.80	0.02	9.4	5.5	0.10	677	13.9
E5266281	4.96	90.0	3.38	10.3	0.14	0.71	0.22	0.398	0.52	24.6	24.5	0.45	545	0.93
E5266282	2.98	139	3.17	10.4	0.12	5.39	1.80	0.027	0.15	18.0	17.1	0.34	396	1.02
E5266283	2.71	40.8	1.31	4.02	0.06	0.38	0.08	<0.005	0.13	11.0	3.7	0.02	133	1.06
E5266284	1.51	13.1	0.61	1.59	0.08	0.17	0.01	0.006	0.15	10.4	2.3	0.04	147	0.88
E5266285	6.23	27.1	2.05	5.24	0.10	0.28	0.06	0.014	0.45	16.6	26.6	0.40	333	1.68
E5266286	5.76	16.5	2.26	5.26	0.12	0.09	0.01	0.018	0.63	19.4	32.8	0.45	348	1.97
FX11 DR-1	0.66	5.2	0.68	0.66	0.07	<0.02	<0.01	<0.005	0.13	4.4	1.3	<0.01	28	105
FX11 DR-2	1.60	8.9	0.53	1.08	0.07	0.03	<0.01	<0.005	0.12	2.4	6.4	0.05	61	444
FX11 DR-3	0.46	11.6	1.29	0.64	0.08	0.05	<0.01	<0.005	0.08	2.6	1.4	<0.01	53	22.3
FX11 DR-4	1.23	<0.1	1.05	1.58	0.08	0.09	0.04	0.015	0.20	2.8	5.1	0.05	101	>10000
FX11 DR-5	1.33	19.6	1.30	1.44	0.08	0.05	<0.01	<0.005	0.15	4.5	4.0	0.03	54	147

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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 TEL (905)501-9998  
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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011

DATE RECEIVED: Aug 31, 2011

DATE REPORTED: Sep 16, 2011

SAMPLE TYPE: Rock

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
FX11 DR-6	1.69	13.0	1.07	1.27	0.08	0.04	<0.01	<0.005	0.14	4.4	4.8	0.03	60	220
FX11 DR-7	0.48	2.7	0.42	0.38	0.06	0.04	<0.01	<0.005	0.07	2.8	0.9	<0.01	14	6.16
FX11 DR-8	0.97	8.2	0.78	1.20	0.08	0.13	<0.01	0.005	0.12	6.3	3.3	0.02	59	287
FX11 DR-9	3.70	183	3.77	9.47	0.15	3.23	0.97	6.81	0.03	7.5	15.9	0.30	998	7.58
FX11 DR-10	0.82	17.4	1.13	1.11	0.09	0.27	0.05	0.092	0.22	8.9	1.4	<0.01	23	4.44
708691	2.85	8.0	0.75	1.78	0.06	0.05	<0.01	0.012	0.16	3.4	13.6	0.09	109	144
708692	0.24	2.7	0.60	0.23	0.06	<0.02	<0.01	<0.005	0.04	1.2	0.9	<0.01	17	166
708693	6.78	52.6	1.98	19.3	0.70	3.26	1.00	0.121	0.07	5.6	19.9	0.23	1710	21.7

Certified By:

*Ron Cardinali*



## Certificate of Analysis

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DATE SAMPLED: Aug 31, 2011

DATE RECEIVED: Aug 31, 2011

DATE REPORTED: Sep 16, 2011

SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
E5266260	0.06	2.89	2.0	94	4.3	13.2	<0.001	0.040	<0.05	2.2	0.2	1.9	30.7	<0.01
E5266261	0.08	1.78	30.7	203	3.0	88.1	<0.001	0.277	<0.05	9.1	0.4	2.6	32.0	<0.01
E5266262	0.13	2.32	8.1	787	9.0	1.7	<0.001	0.422	0.08	1.4	<0.2	6.3	839	0.01
E5266263	0.05	1.95	8.0	638	15.9	0.5	<0.001	0.323	<0.05	0.6	0.2	1.5	958	<0.01
E5266264	0.07	3.14	7.1	770	7.9	0.6	<0.001	0.231	0.08	1.4	<0.2	9.7	433	0.01
E5266265	0.40	12.5	8.0	934	1.7	2.2	0.011	1.87	0.16	2.6	0.6	20.6	327	0.01
E5266266	1.16	0.77	1.6	676	1.9	6.7	<0.001	0.394	<0.05	0.6	0.3	1.0	600	<0.01
E5266267	0.35	2.67	9.7	1200	3.0	8.9	0.005	2.14	0.33	1.9	0.8	13.6	276	0.02
E5266268	0.16	4.54	25.0	1440	1.9	11.7	0.002	1.87	0.16	6.1	1.0	8.4	119	0.02
E5266269	<0.01	0.43	<0.2	43	0.1	0.2	0.001	0.504	<0.05	0.2	<0.2	<0.2	5130	<0.01
E5266270	0.05	1.11	19.5	364	8.2	33.2	<0.001	0.280	1.47	3.5	0.3	1.8	169	<0.01
E5266271	0.04	0.49	1.7	178	169	10.5	0.001	0.226	22.3	0.7	0.2	0.5	28.2	<0.01
E5266272	0.01	0.15	3.5	11	3.0	1.9	<0.001	0.306	1.43	0.1	<0.2	<0.2	2.2	<0.01
E5266273	0.05	0.65	1.5	135	12.1	11.1	0.001	0.079	0.65	0.5	<0.2	0.5	13.0	<0.01
E5266274	0.04	0.39	1.5	538	18.3	11.4	0.002	0.065	1.00	0.6	<0.2	0.3	20.6	<0.01
E5266275	0.08	1.66	2.8	164	3.1	12.5	<0.001	0.243	0.07	1.2	0.2	2.6	99.9	0.07
E5266276	0.17	8.49	7.4	709	6.8	2.4	<0.001	1.21	0.21	2.0	0.6	14.5	738	<0.01
E5266277	0.01	0.82	4.9	544	20.8	0.4	<0.001	0.427	0.09	0.3	<0.2	0.9	1260	<0.01
E5266278	0.06	2.41	5.4	826	6.0	0.5	<0.001	0.155	<0.05	0.9	<0.2	9.2	541	<0.01
E5266279	0.08	2.26	4.9	867	6.4	0.5	<0.001	0.169	<0.05	0.8	<0.2	8.3	586	<0.01
E5266280	0.58	0.63	10.7	2120	2.5	1.6	0.005	2.39	0.11	0.7	1.3	5.8	355	<0.01
E5266281	0.17	3.32	31.5	598	2.9	43.4	0.003	1.24	0.08	5.5	0.8	3.8	372	0.02
E5266282	0.19	5.66	16.2	5040	2.2	17.3	0.009	1.70	0.70	3.7	1.0	4.3	154	0.02
E5266283	0.10	1.20	1.3	1800	5.2	8.8	<0.001	0.748	0.45	0.6	0.7	0.8	73.2	<0.01
E5266284	0.04	0.97	2.3	235	11.5	10.6	<0.001	0.191	0.15	0.7	0.2	0.6	63.5	<0.01
E5266285	0.10	1.89	13.9	325	4.1	39.0	<0.001	0.489	0.08	3.4	0.4	2.3	58.3	<0.01
E5266286	0.09	1.76	17.5	326	6.0	44.3	<0.001	0.198	0.18	3.7	0.3	1.3	35.0	<0.01
FX11 DR-1	0.03	0.18	2.3	45	6.3	7.1	<0.001	0.013	0.45	0.2	<0.2	<0.2	4.3	<0.01
FX11 DR-2	0.03	0.59	3.0	281	3.5	10.8	0.003	0.048	0.11	0.6	0.2	0.4	4.3	<0.01
FX11 DR-3	0.02	0.73	8.5	20	2.2	4.8	<0.001	0.057	0.11	0.3	0.4	0.2	2.0	<0.01
FX11 DR-4	0.06	1.19	9.1	125	2.0	14.5	1.66	1.08	0.10	0.9	0.9	0.5	7.4	<0.01
FX11 DR-5	0.04	0.34	5.8	181	4.4	12.3	0.015	0.024	0.65	0.7	0.2	0.8	8.5	<0.01

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011

DATE RECEIVED: Aug 31, 2011

DATE REPORTED: Sep 16, 2011

SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
FX11 DR-6	0.04	0.57	7.5	548	4.0	12.9	0.003	0.031	0.99	0.6	0.3	0.6	10.0	<0.01
FX11 DR-7	<0.01	0.10	3.1	29	7.5	6.1	<0.001	0.006	0.05	<0.1	<0.2	0.3	3.6	<0.01
FX11 DR-8	0.04	0.44	2.0	129	9.0	8.6	0.009	0.027	0.19	0.8	<0.2	0.5	7.5	<0.01
FX11 DR-9	0.13	0.76	14.0	639	4.2	4.8	0.005	1.79	<0.05	3.5	1.6	11.3	392	0.01
FX11 DR-10	<0.01	0.20	3.5	50	11.1	14.7	<0.001	0.428	12.9	0.3	0.2	1.2	2.6	<0.01
708691	0.03	1.44	2.7	197	2.0	19.2	<0.001	0.014	0.26	1.2	<0.2	1.0	3.0	<0.01
708692	<0.01	0.12	5.4	62	3.4	3.1	0.001	0.032	0.10	0.1	<0.2	0.4	2.1	<0.01
708693	0.17	2.99	4.9	1140	7.6	14.3	0.005	0.516	0.16	1.5	0.3	22.4	710	<0.01

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V524549

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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011	DATE RECEIVED: Aug 31, 2011					DATE REPORTED: Sep 16, 2011					SAMPLE TYPE: Rock			
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-Fusion	Zn-OL	Mo-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.005	0.01	0.01	
E5266260	0.01	4.1	0.023	0.11	2.87	2.8	0.66	8.94	15.6	5.3	<0.005			
E5266261	0.03	4.4	0.294	0.57	2.30	58.5	11.6	9.89	62.7	1.3	<0.005			
E5266262	0.01	3.2	0.069	<0.02	2.09	16.3	86.8	5.49	21.1	3.2	0.013			
E5266263	0.02	2.1	0.050	<0.02	1.08	7.0	6.16	5.19	5.9	1.6	<0.005			
E5266264	<0.01	3.0	0.080	<0.02	1.22	14.5	40.0	4.73	22.7	5.2	0.007			
E5266265	0.19	3.5	0.081	<0.02	2.70	17.2	2660	5.14	2890	4.3	0.335			
E5266266	0.04	4.1	<0.005	0.03	3.91	0.6	58.4	5.15	930	0.8	0.014			
E5266267	0.64	2.4	0.041	0.05	2.50	15.4	1120	5.34	4170	1.6	1.541			
E5266268	0.40	4.9	0.104	0.09	3.34	26.9	163	12.1	244	1.1	0.022			
E5266269	0.06	0.1	<0.005	<0.02	1.08	5.4	24.0	0.39	4.6	<0.5	0.005			
E5266270	0.01	4.4	0.090	0.29	1.95	26.8	5.48	8.76	58.0	1.0	<0.005			
E5266271	0.41	5.6	<0.005	0.12	3.65	0.8	244	4.85	11.2	4.8	0.035			
E5266272	0.17	0.7	<0.005	0.02	0.97	<0.5	4.61	0.56	3.1	0.9	<0.005			
E5266273	0.02	5.1	<0.005	0.09	3.06	0.5	216	4.97	14.3	5.0	0.026			
E5266274	0.17	5.5	<0.005	0.09	4.16	0.7	14.3	7.75	5.6	5.0	<0.005			
E5266275	0.01	2.3	0.011	0.11	5.79	2.3	11.3	8.00	327	3.4	<0.005			
E5266276	0.03	4.4	0.148	<0.02	1.98	18.1	106	8.22	3120	7.2	0.017			
E5266277	0.03	2.0	0.016	<0.02	1.69	2.7	2.33	5.50	7.6	0.8	<0.005			
E5266278	<0.01	2.4	0.073	<0.02	0.67	10.7	28.3	4.18	16.6	4.3	0.006			
E5266279	<0.01	2.3	0.069	<0.02	0.61	10.4	110	4.08	18.7	4.1	0.017			
E5266280	1.65	1.8	0.020	<0.02	1.89	5.9	1210	8.15	>10000	<0.5	6.698	1.41		
E5266281	0.26	4.2	0.204	0.32	1.61	41.4	247	9.08	618	0.7	0.034			
E5266282	0.88	3.1	0.055	0.14	4.32	19.3	2030	14.1	44.1	1.2	0.261			
E5266283	0.32	4.3	<0.005	0.06	3.97	1.2	95.9	16.7	11.0	2.9	0.012			
E5266284	0.05	4.5	<0.005	0.08	4.54	1.4	14.2	7.08	21.0	3.6	<0.005			
E5266285	0.03	4.4	0.075	0.35	2.61	21.3	67.0	8.74	38.8	3.0	0.010			
E5266286	0.02	4.5	0.109	0.35	4.15	27.4	2.59	7.54	49.0	2.3	<0.005			
FX11 DR-1	0.47	2.4	<0.005	0.06	0.88	0.9	1.79	0.94	3.5	0.8	<0.005			
FX11 DR-2	1.28	2.3	0.011	0.10	1.36	5.4	1.57	3.31	11.0	0.8	<0.005			
FX11 DR-3	0.59	1.8	0.012	0.04	0.67	2.9	1.35	0.74	4.8	1.3	<0.005			
FX11 DR-4	0.58	1.7	0.024	0.14	0.36	39.5	28.2	1.80	17.9	0.7	<0.005		2.04	
FX11 DR-5	0.23	3.0	0.007	0.10	0.78	4.9	1.32	1.72	7.1	1.3	<0.005			

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011		DATE RECEIVED: Aug 31, 2011					DATE REPORTED: Sep 16, 2011					SAMPLE TYPE: Rock		
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-Fusion	Zn-OL	Mo-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	
Sample Description	RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.005	0.01	0.01
FX11 DR-6	0.45	2.1	0.010	0.19	0.67	5.3	1.29	6.07	7.9	1.0	<0.005			
FX11 DR-7	0.01	1.1	<0.005	0.06	0.21	0.9	0.51	0.36	3.8	1.4	<0.005			
FX11 DR-8	0.03	2.1	<0.005	0.07	4.08	3.4	0.94	5.96	12.1	3.3	0.008			
FX11 DR-9	0.66	2.9	0.051	0.06	1.52	15.8	1200	8.95	7010	0.7	2.383			
FX11 DR-10	0.04	3.3	<0.005	0.11	1.06	0.9	57.6	1.90	22.2	4.2	0.006			
708691	1.01	3.1	0.030	0.20	0.93	7.9	7.71	2.78	17.0	1.1	0.006			
708692	0.06	0.5	<0.005	0.03	0.16	1.7	5.03	0.61	2.4	<0.5	<0.005			
708693	0.02	1.2	0.104	0.03	1.97	40.9	1210	4.68	217	2.9	1.604			

Comments: RDL - Reported Detection Limit

Certified By:

*Ron Cardinali*

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis												
RPT Date: Sep 16, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
							Lower			Upper		
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	2666056	0.12	0.08		0.08	29	35	83%	80%	120%	
Al	1	2666056	0.29	0.29	0.0%	< 0.01				80%	120%	
As	1	2666056	0.6	0.6	0.0%	0.3				80%	120%	
Au	1	2666056	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	2666056	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	2666056	39	39	0.0%	< 1				80%	120%	
Be	1	2666056	0.23	0.23	0.0%	< 0.05				80%	120%	
Bi	1	2666056	0.427	0.354	18.7%	< 0.01				80%	120%	
Ca	1	2666056	0.09	0.09	0.0%	< 0.01				80%	120%	
Cd	1	2666056	0.09	0.09	0.0%	< 0.01				80%	120%	
Ce	1	2666056	26.5	26.7	0.8%	< 0.01				80%	120%	
Co	1	2666056	0.9	0.9	0.0%	< 0.1				80%	120%	
Cr	1	2666056	101	99.9	1.1%	< 0.5				80%	120%	
Cs	1	2666056	1.10	1.13	2.7%	< 0.05				80%	120%	
Cu	1	2666056	16.5	16.5	0.0%	< 0.1	4898	5000	98%	80%	120%	
Fe	1	2666056	0.53	0.53	0.0%	< 0.01				80%	120%	
Ga	1	2666056	1.99	1.90	4.6%	< 0.05				80%	120%	
Ge	1	2666056	0.09	0.09	0.0%	0.05				80%	120%	
Hf	1	2666056	0.246	0.242	1.6%	< 0.02				80%	120%	
Hg	1	2666056	< 0.01	0.01		< 0.01				80%	120%	
In	1	2666056	0.012	0.013	8.0%	< 0.005				80%	120%	
K	1	2666056	0.16	0.16	0.0%	< 0.01				80%	120%	
La	1	2666056	13.8	13.9	0.7%	< 0.1				80%	120%	
Li	1	2666056	10.0	9.8	2.0%	< 0.1				80%	120%	
Mg	1	2666056	0.064	0.065	1.6%	< 0.01				80%	120%	
Mn	1	2666056	116	112	3.5%	< 1				80%	120%	
Mo	1	2666056	1.12	1.17	4.4%	< 0.05				80%	120%	
Na	1	2666056	0.06	0.06	0.0%	< 0.01				80%	120%	
Nb	1	2666056	2.89	2.69	7.2%	< 0.05				80%	120%	
Ni	1	2666056	2.0	2.0	0.0%	< 0.2				80%	120%	
P	1	2666056	94	90	4.3%	< 10				80%	120%	
Pb	1	2666056	4.3	4.3	0.0%	0.2				80%	120%	
Rb	1	2666056	13.2	13.1	0.8%	< 0.1				80%	120%	
Re	1	2666056	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	
S	1	2666056	0.040	0.042	4.9%	< 0.005				80%	120%	
Sb	1	2666056	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Sc	1	2666056	2.24	2.14	4.6%	< 0.1				80%	120%	
Se	1	2666056	0.2	0.2	0.0%	< 0.2				80%	120%	
Sn	1	2666056	1.9	1.9	0.0%	< 0.2				80%	120%	
Sr	1	2666056	30.7	28.9	6.0%	0.7				80%	120%	
Ta	1	2666056	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	2666056	0.01	0.01	0.0%	< 0.01				80%	120%	
Th	1	2666056	4.1	4.1	0.0%	< 0.1				80%	120%	
Ti	1	2666056	0.023	0.023	0.0%	< 0.005				80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)												
RPT Date: Sep 16, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Tl	1	2666056	0.11	0.11	0.0%	< 0.02				80%	120%	
U	1	2666056	2.87	2.82	1.8%	< 0.05				80%	120%	
V	1	2666056	2.80	2.89	3.2%	< 0.5				80%	120%	
W	1	2666056	0.66	0.50	27.6%	< 0.05				80%	120%	
Y	1	2666056	8.94	9.02	0.9%	< 0.05		7		80%	120%	
Zn	1	2666056	15.6	15.3	1.9%	< 0.5				80%	120%	
Zr	1	2666056	5.3	5.3	0.0%	< 0.5				80%	120%	
W-Fusion	1	2666061	0.335	0.427	24.1%	< 0.005	1.03	1.04	99%	90%	110%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	2666081	0.151	0.145	4.1%	< 0.01	30	35	85%	80%	120%	
Al	1	2666081	1.32	1.33	0.8%	< 0.01				80%	120%	
As	1	2666081	0.5	0.5	0.0%	0.4				80%	120%	
Au	1	2666081	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	2666081	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	2666081	67	68	1.5%	< 1				80%	120%	
Be	1	2666081	1.60	1.65	3.1%	< 0.05				80%	120%	
Bi	1	2666081	2.77	3.28	16.9%	< 0.01				80%	120%	
Ca	1	2666081	1.03	1.02	1.0%	< 0.01				80%	120%	
Cd	1	2666081	0.04	0.04	0.0%	< 0.01				80%	120%	
Ce	1	2666081	31.9	32.3	1.2%	< 0.01				80%	120%	
Co	1	2666081	5.8	5.9	1.7%	< 0.1				80%	120%	
Cr	1	2666081	141	134	5.1%	< 0.5				80%	120%	
Cs	1	2666081	6.23	6.47	3.8%	< 0.05				80%	120%	
Cu	1	2666081	27.1	28.1	3.6%	< 0.1	4850	5000	97%	80%	120%	
Fe	1	2666081	2.05	2.08	1.5%	< 0.01				80%	120%	
Ga	1	2666081	5.24	5.39	2.8%	< 0.05				80%	120%	
Ge	1	2666081	0.10	0.10	0.0%	0.08				80%	120%	
Hf	1	2666081	0.28	0.28	0.0%	< 0.02				80%	120%	
Hg	1	2666081	0.063	0.067	6.2%	< 0.01				80%	120%	
In	1	2666081	0.0136	0.0131	3.7%	< 0.005				80%	120%	
K	1	2666081	0.45	0.46	2.2%	< 0.01				80%	120%	
La	1	2666081	16.6	16.8	1.2%	< 0.1				80%	120%	
Li	1	2666081	26.6	28.1	5.5%	< 0.1				80%	120%	
Mg	1	2666081	0.401	0.406	1.2%	< 0.01				80%	120%	
Mn	1	2666081	333	342	2.7%	< 1				80%	120%	
Mo	1	2666081	1.68	1.80	6.9%	< 0.05				80%	120%	
Na	1	2666081	0.10	0.10	0.0%	< 0.01				80%	120%	
Nb	1	2666081	1.89	1.72	9.4%	< 0.05				80%	120%	
Ni	1	2666081	13.9	14.3	2.8%	< 0.2				80%	120%	
P	1	2666081	325	334	2.7%	< 10				80%	120%	
Pb	1	2666081	4.1	4.1	0.0%	< 0.1				80%	120%	
Rb	1	2666081	39.0	39.6	1.5%	< 0.1				80%	120%	
Re	1	2666081	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.  
 PROJECT NO: FOX

AGAT WORK ORDER: 11V524549  
 ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)												
RPT Date: Sep 16, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
S	1	2666081	0.489	0.501	2.4%	< 0.005				80%	120%	
Sb	1	2666081	0.08	0.09	11.8%	< 0.05				80%	120%	
Sc	1	2666081	3.4	3.4	0.0%	< 0.1				80%	120%	
Se	1	2666081	0.39	0.34	13.7%	< 0.2				80%	120%	
Sn	1	2666081	2.3	2.3	0.0%	< 0.2				80%	120%	
Sr	1	2666081	58.3	58.1	0.3%	< 0.2	298	390	77%	80%	120%	
Ta	1	2666081	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	2666081	0.030	0.024	22.2%	< 0.01				80%	120%	
Th	1	2666081	4.4	4.4	0.0%	< 0.1				80%	120%	
Ti	1	2666081	0.0755	0.0764	1.2%	< 0.005				80%	120%	
Tl	1	2666081	0.35	0.36	2.8%	< 0.02				80%	120%	
U	1	2666081	2.61	2.84	8.4%	< 0.05				80%	120%	
V	1	2666081	21.3	22.1	3.7%	< 0.5				80%	120%	
W	1	2666081	67.0	64.4	4.0%	0.09				80%	120%	
Y	1	2666081	8.74	8.82	0.9%	< 0.05		7		80%	120%	
Zn	1	2666081	38.8	40.6	4.5%	< 0.5				80%	120%	
Zr	1	2666081	3.03	2.84	6.5%	< 0.5				80%	120%	
W-Fusion	1	2666061	0.335	0.362	7.7%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Cu	1					< 0.1	3772	4700	80%	80%	120%	
Mo	1					< 0.05	329	280	118%	80%	120%	
Sr	1					< 0.2	298	390	77%	80%	120%	
W-Fusion	1	2666063	1.541	1.765	13.6%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1					< 0.01	29	35	83%	80%	120%	
W-Fusion	1	2666063	1.541	1.689	9.2%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
W-Fusion	1	2666076	6.698	6.705	0.1%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
W-Fusion	1	2666078	0.261	0.243	7.1%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
W-Fusion	1	2666078	0.261	0.257	1.5%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
W-Fusion	1	2666091	2.383	2.507	5.1%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
W-Fusion	1	2666091	2.383	2.685	11.9%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
W-Fusion	1	2666095	1.604	1.438	10.9%	< 0.005				100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												

## Quality Assurance

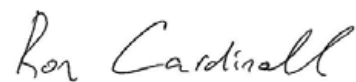
 CLIENT NAME: HAPPY CREEK MINERALS LTD.  
 PROJECT NO: FOX

 AGAT WORK ORDER: 11V524549  
 ATTENTION TO: DAVID BLANN

### Solid Analysis (Continued)

RPT Date: Sep 16, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
W-Fusion	1	2666095	1.604	1.498	6.8%	< 0.005			100%	100%	

Certified By:



## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

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

## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V524549

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Y	MIN-200-12017		ICP-MS
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
W-Fusion	MIN-200-12001		ICP/OES
Zn-OL	MIN-200-12032		AA
Mo-OL			AA

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

ATTENTION TO: DAVID BLANN

PROJECT NO: FOX

AGAT WORK ORDER: 11V530239

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

DATE REPORTED: Sep 26, 2011

PAGES (INCLUDING COVER): 15

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.



## Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 19, 2011		DATE RECEIVED: Sep 19, 2011				DATE REPORTED: Sep 26, 2011				SAMPLE TYPE: Drill Core				
Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
E5266287	1.38	0.08	1.82	0.4	<0.01	<5	25	0.68	0.34	11.3	0.38	18.5	2.7	50.0
E5266288	1.62	0.11	1.84	0.3	<0.01	<5	56	12.6	8.31	15.0	6.70	35.3	3.6	59.1
E5266289	0.07	0.87	1.77	2.4	<0.01	<5	22	<0.05	1.65	6.59	1.94	3.28	3.6	19.8
E5266290	2.07	0.19	1.26	0.6	<0.01	<5	10	0.46	0.53	2.09	0.09	23.7	20.1	140
E5266291	0.65	0.12	0.97	0.4	<0.01	<5	70	0.17	0.27	0.64	0.05	76.3	24.0	139
E5266292	2.13	0.07	1.05	0.2	<0.01	<5	37	0.46	0.33	3.81	0.08	37.1	5.8	136
E5266293	0.87	0.08	1.95	0.2	<0.01	<5	113	0.24	0.15	0.41	0.03	53.8	13.7	170
E5266294	1.42	0.05	0.41	0.3	<0.01	<5	15	1.11	1.33	0.50	0.06	25.0	0.5	116
E5266295	0.62	0.08	0.52	0.2	<0.01	<5	25	2.96	1.33	1.56	0.03	34.9	1.2	112
E5266296	1.29	0.09	3.03	0.2	<0.01	<5	145	0.57	0.29	1.43	0.03	88.6	14.1	124
E5266297	1.27	1.83	0.07	3.9	<0.01	<5	4	0.06	44.1	0.03	0.04	3.86	0.9	245
E5266298	1.73	0.21	2.41	<0.1	<0.01	<5	38	5.45	5.33	17.9	1.06	27.2	3.0	39.7
E5266299	0.35	<0.01	0.02	<0.1	<0.01	<5	3	<0.05	0.01	>25	<0.01	0.41	<0.1	2.5
E5266300	0.76	0.13	1.99	0.3	<0.01	<5	105	2.85	0.79	6.97	0.67	19.1	4.5	96.5
E5266301	1.29	0.04	0.68	<0.1	<0.01	<5	42	1.31	0.35	20.3	0.50	15.4	2.2	29.4
E5266302	1.96	0.28	1.10	0.3	<0.01	<5	29	0.44	0.73	1.93	0.15	36.0	21.0	129
E5266303	0.65	0.04	1.23	0.3	<0.01	<5	90	0.11	0.16	0.37	0.01	98.0	12.3	167
E5266304	2.13	0.07	1.89	0.1	<0.01	<5	28	1.53	1.00	4.77	0.26	38.0	6.9	141
E5266305	1.97	0.07	0.50	0.4	<0.01	<5	22	0.52	2.04	0.36	0.10	19.7	2.9	135
E5266306	1.17	0.10	0.42	0.5	<0.01	<5	21	2.43	32.4	1.98	0.02	25.8	1.6	125
E5266307	1.33	0.04	0.39	0.4	<0.01	<5	19	2.57	0.71	2.14	0.03	21.6	1.3	159
E5266308	0.64	0.05	1.32	0.7	<0.01	<5	68	0.40	0.22	0.29	0.03	65.4	10.9	125
E5266309	0.63	0.04	1.38	0.7	<0.01	<5	74	0.45	0.20	0.39	0.03	64.9	10.3	122
E5266310	2.01	0.13	0.26	0.6	<0.01	<5	8	0.32	19.4	0.17	0.03	14.3	0.7	142
E5266311	1.74	0.22	0.30	0.7	<0.01	<5	15	0.37	15.1	0.28	0.02	16.1	0.3	117
E5266312	0.82	0.19	1.73	0.4	<0.01	<5	16	1.71	5.32	4.01	0.88	78.3	7.6	112
E5266313	0.42	0.06	0.31	<0.1	<0.01	<5	9	2.71	1.82	>25	0.23	9.52	2.9	21.2
E5266314	2.13	0.11	1.21	0.3	<0.01	<5	16	7.19	6.16	10.6	9.08	21.4	2.8	78.5
E5266315	1.74	0.11	1.30	0.6	<0.01	<5	23	0.52	0.55	2.41	0.09	19.3	6.2	157
E5266316	1.17	0.06	0.69	0.3	<0.01	<5	15	1.91	0.68	1.79	0.50	18.0	2.8	120
E5266317	3.14	0.13	1.20	0.4	<0.01	<5	17	0.47	0.63	1.59	0.13	43.6	9.7	145
E5266318	0.86	0.04	1.80	<0.1	<0.01	<5	13	26.3	4.23	12.4	0.54	27.0	1.6	91.8

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 19, 2011		DATE RECEIVED: Sep 19, 2011				DATE REPORTED: Sep 26, 2011				SAMPLE TYPE: Drill Core				
Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
E5266319	0.07	0.85	1.92	2.1	<0.01	<5	17	<0.05	1.69	7.00	2.13	3.43	3.8	20.1
E5266320	1.40	0.12	2.07	0.2	<0.01	<5	143	0.44	0.56	0.46	0.06	60.0	14.6	171
E5266321	1.39	0.06	0.34	0.2	<0.01	<5	15	1.49	18.0	1.06	0.05	36.4	0.8	97.9
E5266322	0.80	0.28	0.33	0.4	0.01	<5	10	2.07	154	1.97	0.02	11.9	1.9	181
E5266323	1.42	0.17	0.71	0.4	<0.01	<5	32	0.92	43.5	0.89	0.05	31.7	5.0	108
E5266324	1.70	0.64	0.12	1.2	0.03	<5	7	0.14	250	0.15	0.02	3.50	0.7	215
E5266325	2.40	0.09	0.79	<0.1	<0.01	<5	11	1.29	7.89	22.9	1.85	16.9	4.0	22.9
E5266326	0.91	0.07	0.71	<0.1	<0.01	<5	6	1.00	0.80	23.7	0.27	13.7	6.2	16.5
E5266327	1.61	0.20	2.21	0.4	<0.01	<5	73	0.94	1.16	3.35	0.07	26.5	8.2	127
E5266328	0.60	0.05	0.32	0.3	<0.01	<5	33	0.30	1.06	0.33	0.06	18.7	1.1	87.4
E5266329	0.24	<0.01	0.03	<0.1	<0.01	<5	6	<0.05	0.02	>25	0.01	0.46	0.1	1.8
E5266330	0.71	0.22	3.43	0.3	<0.01	<5	23	4.49	8.86	4.39	0.49	25.3	16.2	92.2
E5266331	2.12	0.12	0.87	0.3	<0.01	<5	7	0.41	0.87	1.69	0.12	31.5	13.2	106
E5266332	2.22	0.10	1.73	0.4	<0.01	<5	13	0.66	0.44	7.34	0.14	30.6	7.7	90.1
E5266333	1.51	0.10	2.53	0.2	<0.01	<5	193	0.31	0.27	0.52	0.03	62.3	15.9	153
E5266334	1.04	0.11	0.39	0.3	<0.01	<5	20	1.24	10.3	1.29	0.07	17.8	1.4	97.2
E5266335	0.87	0.25	0.73	0.4	0.06	<5	12	5.21	88.3	1.19	0.03	26.1	3.2	140
E5266336	1.39	0.07	0.35	0.2	<0.01	<5	18	0.51	1.44	0.39	0.10	34.3	0.5	108

Certified By:

*Ron Cardinal*

# Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

5623 McADAM ROAD  
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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 19, 2011

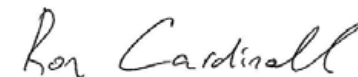
DATE RECEIVED: Sep 19, 2011

DATE REPORTED: Sep 26, 2011

SAMPLE TYPE: Drill Core

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
Sample Description	RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.005	0.01	0.1	0.1	0.01	1	0.05	
E5266287		0.46	4.8	0.55	6.69	<0.05	0.10	0.01	0.013	0.01	8.3	8.2	0.10	708	0.85
E5266288		0.78	10.2	0.84	10.3	0.45	0.57	0.08	0.100	0.04	17.1	10.1	0.17	1260	0.45
E5266289		<0.05	295	3.27	9.26	0.61	3.73	0.75	0.103	<0.01	1.7	0.4	0.07	5300	142
E5266290		0.35	36.7	2.26	5.05	0.10	0.16	0.01	0.009	0.02	12.1	11.5	0.22	240	2.07
E5266291		3.56	27.9	2.74	6.10	0.16	0.11	<0.01	0.026	0.48	35.7	43.7	0.41	423	0.95
E5266292		1.30	13.7	1.12	4.38	0.06	0.11	<0.01	0.010	0.12	17.6	13.8	0.18	232	1.42
E5266293		4.69	29.2	3.33	7.91	0.12	0.02	<0.01	0.019	1.07	27.3	106	0.86	485	4.50
E5266294		1.31	7.7	0.51	2.19	0.06	0.18	<0.01	<0.005	0.16	12.9	6.6	0.04	220	1.31
E5266295		2.27	17.5	0.69	2.75	0.05	1.47	0.28	<0.005	0.19	18.2	3.2	0.02	108	0.82
E5266296		9.88	25.4	3.56	12.7	0.14	0.06	<0.01	0.031	1.01	42.2	78.8	0.82	479	1.32
E5266297		0.11	6.5	0.40	0.27	<0.05	0.05	<0.01	<0.005	0.05	1.9	0.4	<0.01	31	2.21
E5266298		0.43	9.5	0.56	11.2	<0.05	0.66	0.13	0.024	0.02	14.2	5.0	0.08	1050	0.57
E5266299		<0.05	<0.1	0.03	0.09	<0.05	<0.02	<0.01	<0.005	<0.01	0.2	0.2	2.53	40	0.09
E5266300		0.33	8.9	1.32	7.98	0.39	0.67	0.11	0.019	0.01	9.3	15.2	0.26	643	0.82
E5266301		0.17	2.7	0.44	2.26	<0.05	0.27	0.05	0.010	<0.01	7.2	3.3	0.08	952	0.42
E5266302		0.87	35.2	2.68	4.91	0.13	0.13	<0.01	0.013	0.06	18.5	12.1	0.26	281	0.95
E5266303		4.81	20.8	2.96	7.48	0.18	0.04	<0.01	0.030	0.83	49.1	60.2	0.56	574	0.75
E5266304		2.05	18.4	1.52	8.35	0.17	0.11	<0.01	0.013	0.10	17.6	14.6	0.20	314	1.02
E5266305		1.71	16.1	1.15	2.08	0.07	0.16	0.01	0.006	0.26	9.7	10.1	0.16	457	1.54
E5266306		1.63	38.6	1.12	2.22	0.05	1.80	0.36	<0.005	0.22	13.2	2.1	0.02	133	0.91
E5266307		1.95	28.3	0.87	1.97	<0.05	0.29	0.04	<0.005	0.20	11.4	1.1	0.02	153	1.46
E5266308		6.64	23.9	3.26	5.24	0.13	0.08	<0.01	0.016	0.76	33.6	50.6	0.59	427	1.00
E5266309		7.59	15.1	3.19	5.48	0.13	0.08	<0.01	0.015	0.78	33.2	55.9	0.59	441	1.13
E5266310		0.45	8.2	0.42	1.14	0.06	0.23	<0.01	<0.005	0.17	6.2	1.6	0.02	76	2.75
E5266311		0.55	3.3	0.25	1.21	0.06	0.35	0.02	<0.005	0.26	7.6	1.2	0.01	80	1.20
E5266312		0.51	49.4	1.30	7.78	0.16	0.13	<0.01	0.027	0.02	41.8	11.2	0.18	326	0.87
E5266313		0.10	4.7	0.29	1.31	<0.05	0.05	<0.01	<0.005	<0.01	5.0	3.5	0.04	449	0.89
E5266314		0.69	11.0	0.63	5.45	0.16	0.21	<0.01	0.118	0.03	10.5	7.4	0.10	593	1.90
E5266315		0.37	14.3	1.28	4.84	0.08	0.12	<0.01	0.009	0.01	9.7	10.3	0.18	226	1.35
E5266316		1.22	19.5	0.74	3.58	0.05	0.15	<0.01	0.011	0.14	8.8	6.4	0.09	233	1.84
E5266317		1.31	20.6	1.57	5.24	0.11	0.12	<0.01	0.015	0.06	20.0	11.2	0.20	284	1.20
E5266318		1.29	4.6	0.53	9.50	0.29	0.31	0.04	0.013	0.02	12.3	9.4	0.15	607	0.97

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 19, 2011	DATE RECEIVED: Sep 19, 2011		DATE REPORTED: Sep 26, 2011		SAMPLE TYPE: Drill Core									
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
E5266319	<0.05	305	3.44	10.0	0.88	4.02	0.81	0.122	<0.01	1.7	0.4	0.07	5820	140
E5266320	6.53	49.0	3.60	9.29	0.14	0.04	0.01	0.025	1.20	30.7	97.6	0.89	520	3.17
E5266321	1.00	11.2	0.64	1.77	0.07	0.20	0.01	<0.005	0.17	18.5	2.5	0.04	196	1.30
E5266322	1.11	31.2	1.06	1.62	<0.05	0.87	0.17	<0.005	0.19	5.3	0.5	<0.01	113	1.89
E5266323	3.56	46.9	2.24	3.37	0.08	0.19	<0.01	0.007	0.28	15.8	13.6	0.20	292	1.35
E5266324	0.36	8.4	0.34	0.49	0.05	0.07	<0.01	<0.005	0.10	1.5	0.6	0.01	41	1.73
E5266325	0.83	14.7	0.57	2.73	<0.05	0.05	<0.01	0.027	<0.01	7.9	4.4	0.06	535	0.75
E5266326	0.23	8.0	0.65	2.45	<0.05	0.07	0.02	<0.005	<0.01	6.1	2.2	0.05	1130	1.08
E5266327	0.38	21.3	1.62	8.37	0.12	0.10	0.01	0.011	0.01	13.1	16.8	0.24	263	0.99
E5266328	1.49	13.6	0.49	1.85	0.07	0.14	<0.01	<0.005	0.11	9.6	5.1	0.06	124	0.79
E5266329	<0.05	<0.1	0.04	0.09	<0.05	0.02	0.01	<0.005	<0.01	0.3	0.2	2.03	53	0.12
E5266330	0.66	106	2.83	12.5	0.17	1.15	0.25	0.033	0.02	12.4	19.5	0.35	678	0.95
E5266331	0.27	27.7	1.59	3.37	0.10	0.11	<0.01	0.010	0.02	14.3	5.5	0.15	181	0.92
E5266332	0.57	29.7	1.38	5.86	0.07	0.09	<0.01	0.009	0.03	14.9	15.1	0.25	407	1.12
E5266333	5.19	29.5	4.02	9.62	0.16	0.02	<0.01	0.026	1.43	32.4	116	1.08	496	1.11
E5266334	1.39	16.3	0.74	1.68	0.06	0.20	0.02	<0.005	0.18	8.7	1.6	0.03	374	4.40
E5266335	2.04	37.7	1.22	4.65	0.07	2.23	0.46	<0.005	0.09	13.5	3.9	0.02	77	1.38
E5266336	1.04	4.6	0.56	1.90	0.07	0.21	0.01	<0.005	0.19	17.3	4.4	0.03	278	0.84

Certified By:

*Ron Cardinali*



## Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

5623 McADAM ROAD  
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<http://www.agatlabs.com>

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 19, 2011	DATE RECEIVED: Sep 19, 2011							DATE REPORTED: Sep 26, 2011				SAMPLE TYPE: Drill Core			
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
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	
E5266287	0.15	1.49	7.0	711	27.5	1.0	<0.001	0.199	0.05	1.1	0.3	2.2	877	0.02	
E5266288	0.07	3.94	7.7	1050	6.3	4.7	<0.001	0.399	0.42	1.5	0.4	15.3	749	0.02	
E5266289	<0.01	0.50	6.8	300	5.7	0.3	0.005	0.092	0.56	1.0	<0.2	3.0	13.7	<0.01	
E5266290	0.09	2.50	36.0	161	31.4	1.5	0.008	0.983	0.07	1.9	0.5	1.1	343	0.02	
E5266291	0.13	1.90	42.2	321	4.4	63.7	0.006	0.784	0.06	7.6	0.6	1.6	57.2	0.01	
E5266292	0.09	1.98	14.8	373	10.0	9.8	0.001	0.381	0.07	2.5	0.3	1.5	463	0.02	
E5266293	0.07	0.59	36.2	142	3.9	79.2	<0.001	0.405	<0.05	5.7	0.4	1.0	21.2	<0.01	
E5266294	0.10	0.77	1.7	131	6.8	16.4	<0.001	0.101	0.07	0.8	<0.2	0.8	36.7	<0.01	
E5266295	0.09	0.88	1.8	360	4.6	15.2	0.002	0.349	0.06	0.9	0.4	0.4	95.8	0.01	
E5266296	0.15	1.37	28.2	255	5.8	107	<0.001	0.288	<0.05	8.0	0.5	1.8	88.4	0.02	
E5266297	0.01	0.13	5.8	19	14.6	2.7	<0.001	0.125	2.49	0.1	<0.2	0.2	3.7	<0.01	
E5266298	0.21	3.19	7.5	689	18.0	1.1	0.001	0.428	0.10	1.2	0.4	4.3	1260	0.03	
E5266299	<0.01	0.40	<0.2	41	0.2	<0.1	0.001	0.491	<0.05	0.2	<0.2	<0.2	4630	<0.01	
E5266300	0.16	2.33	16.2	1180	9.2	0.9	0.001	0.307	0.09	1.7	0.2	13.0	608	0.01	
E5266301	0.04	1.27	6.1	654	12.8	0.4	0.001	0.369	0.11	0.8	0.2	3.5	1060	<0.01	
E5266302	0.11	2.69	37.6	106	18.7	7.6	0.008	1.37	0.06	3.1	0.6	2.0	239	0.01	
E5266303	0.10	0.65	32.7	420	2.6	84.8	0.002	0.381	<0.05	9.1	0.6	1.4	22.1	<0.01	
E5266304	0.12	1.71	16.2	631	9.2	9.5	0.002	0.509	0.15	2.5	0.3	3.8	763	0.02	
E5266305	0.07	0.37	8.1	376	10.0	26.2	<0.001	0.211	<0.05	1.3	0.2	0.8	23.6	<0.01	
E5266306	0.04	0.97	2.1	380	8.3	15.6	0.003	0.751	0.12	0.8	0.5	0.3	112	0.01	
E5266307	0.04	0.32	2.8	221	7.3	14.5	<0.001	0.578	0.13	0.6	0.3	0.3	127	<0.01	
E5266308	0.04	0.62	26.6	429	4.7	75.0	<0.001	0.134	0.17	3.6	0.4	1.2	21.3	<0.01	
E5266309	0.05	0.54	24.4	572	5.1	79.8	<0.001	0.100	0.18	4.0	0.4	1.2	24.7	<0.01	
E5266310	0.06	0.25	2.5	114	8.3	12.0	<0.001	0.104	0.63	0.5	<0.2	0.4	13.3	<0.01	
E5266311	0.05	0.14	1.7	704	17.7	16.7	<0.001	0.025	0.47	0.6	<0.2	0.4	15.0	<0.01	
E5266312	0.24	3.65	22.7	326	8.5	1.3	<0.001	0.538	<0.05	2.1	0.5	5.2	461	0.01	
E5266313	0.01	1.72	9.3	675	7.3	0.2	0.001	0.401	0.23	0.5	0.2	1.7	1420	<0.01	
E5266314	0.08	3.27	6.4	1400	8.7	2.2	<0.001	0.258	0.18	1.8	0.3	6.3	650	0.02	
E5266315	0.06	2.42	28.0	88	34.3	0.9	0.002	0.364	0.05	2.0	0.4	1.0	458	0.02	
E5266316	0.06	0.71	5.7	170	7.6	10.0	<0.001	0.256	<0.05	1.8	0.3	1.0	234	<0.01	
E5266317	0.14	2.56	18.8	174	12.2	7.6	0.003	0.551	<0.05	3.1	0.4	2.5	303	0.01	
E5266318	0.06	2.17	4.3	1780	7.8	2.1	<0.001	0.169	0.31	1.1	<0.2	6.7	1530	0.01	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 19, 2011	DATE RECEIVED: Sep 19, 2011		DATE REPORTED: Sep 26, 2011		SAMPLE TYPE: Drill Core									
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
E5266319	<0.01	0.58	6.9	317	5.8	0.3	0.005	0.098	0.61	1.3	<0.2	3.3	14.6	<0.01
E5266320	0.09	0.56	41.9	351	3.8	119	0.001	0.617	<0.05	6.9	0.6	1.7	30.7	<0.01
E5266321	0.05	0.28	1.7	192	13.0	13.9	<0.001	0.140	0.10	0.6	0.2	1.0	99.7	<0.01
E5266322	0.03	0.31	2.7	402	13.8	13.0	0.001	0.608	0.46	0.2	0.5	0.2	105	<0.01
E5266323	0.08	0.83	9.6	212	11.5	34.4	0.001	0.968	0.22	2.0	0.5	1.3	66.6	<0.01
E5266324	0.02	0.09	4.7	364	12.3	6.1	<0.001	0.080	3.53	0.3	<0.2	0.3	7.8	<0.01
E5266325	0.09	1.78	11.1	570	11.8	1.0	<0.001	0.572	0.06	0.5	0.3	1.5	1120	0.02
E5266326	0.06	1.54	13.3	643	12.5	0.5	0.002	0.654	0.07	0.5	0.4	1.8	1190	0.01
E5266327	0.13	1.92	33.7	419	40.0	0.8	0.002	0.549	<0.05	2.6	0.4	1.7	629	0.03
E5266328	0.06	1.17	2.4	363	5.2	11.6	<0.001	0.078	<0.05	1.2	0.2	1.3	54.7	<0.01
E5266329	<0.01	0.51	<0.2	64	0.4	0.4	<0.001	0.497	<0.05	0.3	<0.2	<0.2	4250	<0.01
E5266330	0.35	1.35	32.3	406	10.4	1.3	0.002	1.34	<0.05	2.8	0.5	4.7	941	0.02
E5266331	0.13	2.86	23.9	251	9.2	0.9	0.004	0.749	<0.05	1.8	0.4	1.4	235	0.02
E5266332	0.07	1.47	26.4	986	27.3	2.3	0.002	0.458	<0.05	2.0	0.3	1.7	911	0.03
E5266333	0.10	0.60	42.1	293	5.4	102	0.001	0.642	<0.05	7.2	0.6	1.2	62.5	<0.01
E5266334	0.06	0.43	2.5	1300	10.4	15.1	0.001	0.214	0.12	0.6	0.3	0.8	128	<0.01
E5266335	0.15	0.36	2.0	1030	3.2	8.2	0.003	0.710	0.45	0.7	0.6	0.6	106	<0.01
E5266336	0.07	0.56	1.7	139	12.5	17.5	<0.001	0.025	<0.05	0.7	0.2	0.8	47.0	<0.01

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

5623 McADAM ROAD  
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### Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Sep 19, 2011	DATE RECEIVED: Sep 19, 2011					DATE REPORTED: Sep 26, 2011					SAMPLE TYPE: Drill Core	
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-Fusion	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.005	
E5266287	0.01	2.2	0.076	<0.02	1.78	9.8	1.67	5.39	17.0	2.2	<0.005	
E5266288	0.03	4.0	0.071	0.02	5.37	17.6	153	7.17	220	6.2	0.009	
E5266289	0.41	3.3	0.038	<0.02	1.91	39.9	1510	3.18	60.0	7.7	0.385	
E5266290	0.01	3.9	0.175	<0.02	0.98	19.1	13.5	5.77	20.7	2.7	<0.005	
E5266291	0.01	11.5	0.223	0.31	3.12	47.2	4.13	15.0	26.9	2.0	<0.005	
E5266292	<0.01	5.9	0.136	0.05	1.29	20.3	4.27	5.55	13.3	2.1	<0.005	
E5266293	0.02	9.3	0.215	0.34	1.14	46.9	1.26	4.71	63.7	<0.5	<0.005	
E5266294	<0.01	9.8	<0.005	0.12	14.9	1.9	5.89	6.77	24.3	3.2	<0.005	
E5266295	0.02	15.7	<0.005	0.10	12.7	1.4	576	13.1	9.9	3.1	0.058	
E5266296	0.02	12.9	0.244	0.53	2.58	51.8	5.52	12.0	71.7	0.9	<0.005	
E5266297	0.30	0.7	<0.005	0.03	1.16	0.8	2.89	0.50	2.9	0.6	<0.005	
E5266298	0.03	2.7	0.082	<0.02	1.76	10.6	242	6.12	26.9	2.5	0.015	
E5266299	0.02	<0.1	<0.005	<0.02	1.01	10.8	1.80	0.35	<0.5	<0.5	<0.005	
E5266300	<0.01	2.1	0.071	<0.02	1.85	20.7	203	4.89	42.4	5.9	0.015	
E5266301	0.01	2.0	0.035	<0.02	1.25	8.3	81.7	4.71	5.9	2.1	<0.005	
E5266302	<0.01	6.7	0.183	0.04	1.55	24.5	2.16	9.50	24.7	2.4	<0.005	
E5266303	0.02	14.4	0.284	0.38	1.72	66.3	0.99	14.9	19.8	0.6	<0.005	
E5266304	<0.01	5.4	0.114	0.05	0.95	21.8	3.63	6.11	19.2	2.3	<0.005	
E5266305	0.01	4.4	0.023	0.17	12.9	10.4	1.97	3.97	32.8	2.4	<0.005	
E5266306	0.23	11.8	<0.005	0.11	13.3	1.5	720	13.7	7.4	3.4	0.052	
E5266307	0.01	11.2	<0.005	0.10	9.72	1.5	80.2	7.81	13.1	2.2	<0.005	
E5266308	0.02	10.0	0.104	0.46	6.21	30.8	2.83	10.0	80.2	1.6	<0.005	
E5266309	0.02	10.3	0.111	0.51	8.67	31.5	1.37	11.0	68.9	1.7	<0.005	
E5266310	0.14	4.5	<0.005	0.09	7.28	1.1	1.21	3.00	9.8	3.6	<0.005	
E5266311	0.12	5.5	<0.005	0.11	9.94	1.1	35.7	7.71	4.8	4.4	<0.005	
E5266312	0.03	10.1	0.177	<0.02	1.99	20.3	3.49	12.0	52.3	2.0	<0.005	
E5266313	0.02	1.7	0.056	<0.02	0.64	6.3	0.81	3.77	5.7	0.9	<0.005	
E5266314	0.02	3.3	0.081	<0.02	11.3	12.3	0.98	8.29	291	4.3	<0.005	
E5266315	<0.01	3.3	0.196	<0.02	1.10	16.4	0.43	5.26	20.4	2.6	<0.005	
E5266316	<0.01	4.9	0.021	0.06	13.1	7.0	0.43	8.56	28.7	2.7	<0.005	
E5266317	<0.01	7.6	0.171	0.04	2.63	21.3	0.31	9.01	19.5	2.3	<0.005	
E5266318	0.02	3.3	0.051	<0.02	1.59	13.9	72.2	4.45	25.4	3.7	<0.005	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

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

DATE SAMPLED: Sep 19, 2011	DATE RECEIVED: Sep 19, 2011					DATE REPORTED: Sep 26, 2011					SAMPLE TYPE: Drill Core	
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-Fusion	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.005	
E5266319	0.42	3.3	0.042	<0.02	1.99	44.9	1610	3.41	61.9	8.5	0.391	
E5266320	0.04	9.2	0.258	0.60	2.47	60.3	1.26	7.22	78.2	0.7	<0.005	
E5266321	0.07	11.3	<0.005	0.10	9.89	1.9	5.07	7.30	21.1	4.3	<0.005	
E5266322	0.88	5.2	<0.005	0.11	6.77	1.0	332	8.40	3.1	2.3	0.022	
E5266323	0.19	8.6	0.032	0.25	10.9	14.3	3.00	7.03	36.4	3.4	<0.005	
E5266324	1.65	0.9	<0.005	0.05	1.63	0.7	1.44	3.19	2.6	0.8	<0.005	
E5266325	0.05	2.6	0.059	<0.02	1.32	6.0	1.13	4.84	43.5	0.9	<0.005	
E5266326	0.01	1.9	0.057	<0.02	0.99	5.4	3.98	5.11	4.5	1.2	<0.005	
E5266327	<0.01	3.3	0.179	<0.02	0.81	21.0	0.90	6.00	24.2	2.2	<0.005	
E5266328	<0.01	8.2	0.022	0.08	14.0	4.1	1.16	8.63	19.2	2.0	<0.005	
E5266329	0.02	0.1	<0.005	<0.02	1.09	10.5	0.25	0.31	0.5	<0.5	<0.005	
E5266330	0.03	3.1	0.086	<0.02	1.60	27.2	457	4.86	49.1	1.6	<0.005	
E5266331	<0.01	5.0	0.169	<0.02	0.85	15.6	4.55	5.33	19.7	1.8	<0.005	
E5266332	<0.01	4.2	0.111	<0.02	1.00	17.7	2.49	5.49	21.5	2.0	<0.005	
E5266333	0.03	9.5	0.311	0.45	1.12	60.2	0.76	6.25	72.8	<0.5	<0.005	
E5266334	0.06	4.4	<0.005	0.10	12.7	1.6	41.4	10.7	15.6	2.0	<0.005	
E5266335	0.35	7.4	<0.005	0.06	13.5	1.4	921	14.8	9.1	1.7	0.592	
E5266336	<0.01	12.3	<0.005	0.12	14.3	1.4	15.7	5.74	36.6	3.7	<0.005	

Comments: RDL - Reported Detection Limit

Certified By:

*Ron Cardinali*

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis											
RPT Date: Sep 26, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
									Lower	Upper	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	2711501	0.08	0.08	0.0%	< 0.01			80%	120%	
Al	1	2711501	1.82	1.80	1.1%	< 0.01			80%	120%	
As	1	2711501	0.4	0.2		< 0.1			80%	120%	
Au	1	2711501	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
B	1	2711501	< 5	< 5	0.0%	< 5			80%	120%	
Ba	1	2711501	25	24	4.1%	< 1			80%	120%	
Be	1	2711501	0.68	0.67	1.5%	< 0.05			80%	120%	
Bi	1	2711501	0.34	0.35	2.9%	< 0.01			80%	120%	
Ca	1	2711501	11.3	11.1	1.8%	< 0.01			80%	120%	
Cd	1	2711501	0.375	0.360	4.1%	< 0.01			80%	120%	
Ce	1	2711501	18.5	18.8	1.6%	< 0.01			80%	120%	
Co	1	2711501	2.7	2.7	0.0%	< 0.1			80%	120%	
Cr	1	2711501	50.0	49.2	1.6%	< 0.5			80%	120%	
Cs	1	2711501	0.464	0.475	2.3%	< 0.05			80%	120%	
Cu	1	2711501	4.83	5.90	19.9%	< 0.1	4504	4700	95%	80%	120%
Fe	1	2711501	0.554	0.544	1.8%	< 0.01			80%	120%	
Ga	1	2711501	6.69	6.68	0.1%	< 0.05			80%	120%	
Ge	1	2711501	< 0.05	0.06		< 0.05			80%	120%	
Hf	1	2711501	0.095	0.091	4.3%	< 0.02			80%	120%	
Hg	1	2711501	0.01	0.01	0.0%	< 0.01			80%	120%	
In	1	2711501	0.0125	0.0120	4.1%	< 0.005			80%	120%	
K	1	2711501	0.01	0.01	0.0%	< 0.01			80%	120%	
La	1	2711501	8.3	9.7	15.6%	< 0.1			80%	120%	
Li	1	2711501	8.2	8.0	2.5%	< 0.1			80%	120%	
Mg	1	2711501	0.10	0.10	0.0%	< 0.01			80%	120%	
Mn	1	2711501	708	703	0.7%	< 1			80%	120%	
Mo	1	2711501	0.85	0.71	17.9%	< 0.05			80%	120%	
Na	1	2711501	0.146	0.141	3.5%	< 0.01			80%	120%	
Nb	1	2711501	1.49	1.52	2.0%	< 0.05			80%	120%	
Ni	1	2711501	7.0	6.8	2.9%	< 0.2			80%	120%	
P	1	2711501	711	694	2.4%	< 10			80%	120%	
Pb	1	2711501	27.5	27.9	1.4%	< 0.1			80%	120%	
Rb	1	2711501	1.0	1.0	0.0%	< 0.1			80%	120%	
Re	1	2711501	< 0.001	< 0.001	0.0%	< 0.001			80%	120%	
S	1	2711501	0.199	0.195	2.0%	< 0.005			80%	120%	
Sb	1	2711501	0.05	0.05	0.0%	< 0.05			80%	120%	
Sc	1	2711501	1.1	1.1	0.0%	< 0.1			80%	120%	
Se	1	2711501	0.26	0.20	26.1%	< 0.2			80%	120%	
Sn	1	2711501	2.2	2.3	4.4%	< 0.2			80%	120%	
Sr	1	2711501	877	853	2.8%	0.6	369	390	94%	80%	120%
Ta	1	2711501	0.016	0.015	6.5%	< 0.01			80%	120%	
Te	1	2711501	0.01	0.01	0.0%	< 0.01			80%	120%	
Th	1	2711501	2.24	2.31	3.1%	< 0.1			80%	120%	
Ti	1	2711501	0.0756	0.0718	5.2%	< 0.005			80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)												
RPT Date: Sep 26, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Tl	1	2711501	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	2711501	1.78	2.21	21.6%	< 0.05				80%	120%	
V	1	2711501	9.75	9.53	2.3%	< 0.5				80%	120%	
W	1	2711501	1.67	2.02	19.0%	< 0.05				80%	120%	
Y	1	2711501	5.39	5.35	0.7%	< 0.05		7		80%	120%	
Zn	1	2711501	17.0	12.1		< 0.5				80%	120%	
Zr	1	2711501	2.2	2.2	0.0%	< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	2711526	0.185	0.183	1.1%	< 0.01				80%	120%	
Al	1	2711526	1.73	1.76	1.7%	< 0.01				80%	120%	
As	1	2711526	0.4	0.3	28.6%	0.1				80%	120%	
Au	1	2711526	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	2711526	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	2711526	16	16	0.0%	< 1				80%	120%	
Be	1	2711526	1.71	1.80	5.1%	< 0.05				80%	120%	
Bi	1	2711526	5.32	5.46	2.6%	< 0.01				80%	120%	
Ca	1	2711526	4.01	4.05	1.0%	< 0.01				80%	120%	
Cd	1	2711526	0.885	0.913	3.1%	< 0.01				80%	120%	
Ce	1	2711526	78.3	81.6	4.1%	< 0.01				80%	120%	
Co	1	2711526	7.6	7.7	1.3%	< 0.1				80%	120%	
Cr	1	2711526	112	118	5.2%	< 0.5				80%	120%	
Cs	1	2711526	0.511	0.520	1.7%	< 0.05				80%	120%	
Cu	1	2711526	49.4	50.7	2.6%	< 0.1	4852	4700	103%	80%	120%	
Fe	1	2711526	1.30	1.31	0.8%	< 0.01				80%	120%	
Ga	1	2711526	7.78	8.13	4.4%	< 0.05				80%	120%	
Ge	1	2711526	0.159	0.165	3.7%	0.05				80%	120%	
Hf	1	2711526	0.132	0.139	5.2%	< 0.02				80%	120%	
Hg	1	2711526	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
In	1	2711526	0.027	0.027	0.0%	< 0.005				80%	120%	
K	1	2711526	0.02	0.02	0.0%	< 0.01				80%	120%	
La	1	2711526	41.8	43.0	2.8%	< 0.1				80%	120%	
Li	1	2711526	11.2	11.4	1.8%	< 0.1				80%	120%	
Mg	1	2711526	0.18	0.18	0.0%	< 0.01				80%	120%	
Mn	1	2711526	326	340	4.2%	< 1				80%	120%	
Mo	1	2711526	0.872	0.879	0.8%	< 0.05				80%	120%	
Na	1	2711526	0.244	0.247	1.2%	< 0.01				80%	120%	
Nb	1	2711526	3.65	3.94	7.6%	< 0.05				80%	120%	
Ni	1	2711526	22.7	23.4	3.0%	< 0.2				80%	120%	
P	1	2711526	326	337	3.3%	< 10				80%	120%	
Pb	1	2711526	8.52	8.78	3.0%	< 0.1				80%	120%	
Rb	1	2711526	1.3	1.3	0.0%	< 0.1				80%	120%	
Re	1	2711526	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	
S	1	2711526	0.538	0.533	0.9%	< 0.005				80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)												
RPT Date: Sep 26, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Sb	1	2711526	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Sc	1	2711526	2.13	2.20	3.2%	< 0.1				80%	120%	
Se	1	2711526	0.52	0.57	9.2%	< 0.2				80%	120%	
Sn	1	2711526	5.17	5.46	5.5%	< 0.2				80%	120%	
Sr	1	2711526	461	465	0.9%	0.4	382	390	97%	80%	120%	
Ta	1	2711526	0.01	0.01	0.0%	< 0.01				80%	120%	
Te	1	2711526	0.035	0.035	0.0%	< 0.01				80%	120%	
Th	1	2711526	10.1	10.5	3.9%	< 0.1				80%	120%	
Ti	1	2711526	0.177	0.185	4.4%	< 0.005				80%	120%	
Tl	1	2711526	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	2711526	1.99	2.11	5.9%	< 0.05				80%	120%	
V	1	2711526	20.3	21.3	4.8%	< 0.5				80%	120%	
W	1	2711526	3.49	6.03		0.27				80%	120%	
Y	1	2711526	12.0	12.7	5.7%	< 0.05		7		80%	120%	
Zn	1	2711526	52.3	52.6	0.6%	< 0.5				80%	120%	
Zr	1	2711526	2.05	2.09	1.9%	< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	2711540	0.07	0.07	0.0%	< 0.01				80%	120%	
Al	1	2711540	0.712	0.718	0.8%	< 0.01				80%	120%	
As	1	2711540	< 0.1	< 0.1	0.0%	< 0.1				80%	120%	
Au	1	2711540	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	2711540	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	2711540	6	6	0.0%	< 1				80%	120%	
Be	1	2711540	1.00	1.00	0.0%	< 0.05				80%	120%	
Bi	1	2711540	0.80	0.79	1.3%	< 0.01				80%	120%	
Ca	1	2711540	23.7	24.2	2.1%	< 0.01				80%	120%	
Cd	1	2711540	0.267	0.253	5.4%	< 0.01				80%	120%	
Ce	1	2711540	13.7	12.9	6.0%	< 0.01				80%	120%	
Co	1	2711540	6.2	6.2	0.0%	< 0.1				80%	120%	
Cr	1	2711540	16.5	17.5	5.9%	< 0.5				80%	120%	
Cs	1	2711540	0.232	0.224	3.5%	< 0.05				80%	120%	
Cu	1	2711540	8.0	8.3	3.7%	< 0.1	4755	4700	101%	80%	120%	
Fe	1	2711540	0.653	0.660	1.1%	< 0.01				80%	120%	
Ga	1	2711540	2.45	2.41	1.6%	< 0.05				80%	120%	
Ge	1	2711540	< 0.05	< 0.05	0.0%	< 0.05				80%	120%	
Hf	1	2711540	0.07	0.07	0.0%	< 0.02				80%	120%	
Hg	1	2711540	0.02	0.01		< 0.01				80%	120%	
In	1	2711540	< 0.005	< 0.005	0.0%	< 0.005				80%	120%	
K	1	2711540	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
La	1	2711540	6.07	5.74	5.6%	< 0.1				80%	120%	
Li	1	2711540	2.2	2.2	0.0%	< 0.1				80%	120%	
Mg	1	2711540	0.05	0.05	0.0%	< 0.01				80%	120%	
Mn	1	2711540	1130	1140	0.9%	< 1				80%	120%	
Mo	1	2711540	1.08	0.944	13.4%	< 0.05				80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.  
 PROJECT NO: FOX

AGAT WORK ORDER: 11V530239  
 ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)												
RPT Date: Sep 26, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Na	1	2711540	0.06	0.06	0.0%	< 0.01				80%	120%	
Nb	1	2711540	1.54	1.65	6.9%	< 0.05				80%	120%	
Ni	1	2711540	13.3	13.3	0.0%	< 0.2				80%	120%	
P	1	2711540	643	652	1.4%	< 10				80%	120%	
Pb	1	2711540	12.5	12.2	2.4%	< 0.1				80%	120%	
Rb	1	2711540	0.45	0.43	4.5%	< 0.1				80%	120%	
Re	1	2711540	0.0016	0.0014	13.3%	< 0.001				80%	120%	
S	1	2711540	0.654	0.673	2.9%	< 0.005				80%	120%	
Sb	1	2711540	0.07	0.07	0.0%	< 0.05				80%	120%	
Sc	1	2711540	0.5	0.5	0.0%	< 0.1				80%	120%	
Se	1	2711540	0.37	0.33	11.4%	< 0.2				80%	120%	
Sn	1	2711540	1.8	1.8	0.0%	< 0.2				80%	120%	
Sr	1	2711540	1190	1180	0.8%	< 0.2	368	390	94%	80%	120%	
Ta	1	2711540	0.01	0.01	0.0%	< 0.01				80%	120%	
Te	1	2711540	0.01	0.01	0.0%	< 0.01				80%	120%	
Th	1	2711540	1.89	1.84	2.7%	< 0.1				80%	120%	
Ti	1	2711540	0.057	0.059	3.4%	< 0.005				80%	120%	
Tl	1	2711540	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	2711540	0.990	0.962	2.9%	< 0.05				80%	120%	
V	1	2711540	5.41	5.77	6.4%	< 0.5				80%	120%	
W	1	2711540	3.98	3.25	20.2%	< 0.05				80%	120%	
Y	1	2711540	5.11	4.95	3.2%	< 0.05		7		80%	120%	
Zn	1	2711540	4.5	4.8	6.5%	< 0.5				80%	120%	
Zr	1	2711540	1.2	1.2	0.0%	< 0.5				80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Cu	1					< 0.1	4889	4700	104%	80%	120%	
Sr	1					< 0.2	397	390	101%	80%	120%	

Certified By: \_\_\_\_\_

*Ron Cardinal*

## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

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

## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V530239

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Y	MIN-200-12017		ICP-MS
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
W-Fusion	MIN-200-12001		ICP/OES

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

ATTENTION TO: DAVID BLANN

PROJECT NO: FOX

AGAT WORK ORDER: 11V533148

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

DATE REPORTED: Oct 13, 2011

PAGES (INCLUDING COVER): 23

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

\*NOTES

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

# Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

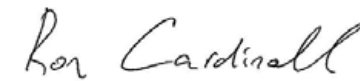
DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

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
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
E5266337	2.92	0.08	1.09	0.4	<0.01	<5	9	0.48	0.62	6.83	0.23	17.1	6.6	43.5
E5266338	0.91	0.09	1.37	0.2	<0.01	<5	26	0.73	0.87	9.46	0.45	24.3	4.0	52.0
E5266339	1.15	0.08	1.64	0.3	<0.01	7	24	0.60	0.65	8.64	0.36	25.8	5.4	75.1
E5266340	2.43	0.09	1.59	0.5	<0.01	<5	23	1.07	1.86	7.89	0.32	21.7	3.9	46.7
E5266341	1.71	0.12	2.94	<0.1	<0.01	<5	23	22.0	13.9	12.6	0.64	27.8	6.1	48.3
E5266342	2.34	0.10	2.21	<0.1	<0.01	<5	22	10.9	5.23	17.2	1.73	38.4	4.3	35.2
E5266343	1.45	0.11	1.25	0.5	<0.01	<5	32	1.76	4.41	1.22	0.21	32.3	4.1	59.6
E5266344	0.85	0.41	4.42	0.3	<0.01	<5	12	35.1	22.1	4.25	1.25	46.1	6.6	92.2
E5266345	1.00	1.15	4.26	0.6	0.06	<5	13	51.5	174	5.64	381	47.0	6.0	86.6
E5266346	0.71	3.19	1.96	1.1	0.16	<5	8	37.3	520	3.56	>1000	23.2	7.9	146
E5266347	2.36	0.26	2.50	0.4	<0.01	<5	35	16.4	9.29	13.4	7.69	33.4	2.4	78.0
E5266348	1.78	0.15	0.48	0.4	<0.01	<5	7	0.79	3.89	0.27	0.48	13.9	0.5	117
E5266349	0.07	0.88	1.80	2.1	<0.01	<5	16	<0.05	1.86	6.38	2.16	3.10	3.2	20.4
E5266350	0.99	0.57	1.16	0.4	0.02	<5	11	5.29	78.1	1.05	5.30	19.4	2.1	160
E5266351	0.66	0.75	1.79	0.4	0.03	<5	12	4.01	79.8	2.62	54.5	42.9	10.6	101
E5266352	0.55	0.19	1.87	<0.1	<0.01	<5	30	0.98	2.85	7.23	1.41	32.5	5.2	80.3
E5266353	1.70	0.07	2.41	0.4	<0.01	<5	73	3.30	2.27	14.6	1.99	27.3	3.0	40.2
E5266354	1.60	0.08	0.89	0.4	<0.01	<5	50	1.02	0.57	1.07	0.12	29.4	1.3	106
E5266355	2.54	0.06	1.23	0.6	<0.01	<5	35	2.23	3.47	16.7	1.05	19.0	2.7	39.9
E5266356	2.05	0.06	1.38	0.4	<0.01	<5	22	7.11	5.78	16.7	0.83	22.6	3.2	29.0
E5266357	1.51	0.04	1.85	0.5	<0.01	<5	23	5.89	3.74	8.58	0.86	25.0	2.0	36.9
E5266358	1.27	0.06	0.49	0.4	<0.01	<5	40	1.53	0.88	1.06	0.24	43.6	1.2	76.4
E5266359	0.28	0.01	0.02	<0.1	<0.01	<5	6	<0.05	0.02	>25	0.01	0.53	0.1	0.6
E5266360	1.50	0.08	3.25	0.7	<0.01	<5	25	13.3	7.33	9.26	0.82	27.6	6.5	83.1
E5266361	1.40	0.11	3.07	0.7	<0.01	<5	30	2.80	2.80	7.62	2.58	30.4	5.5	82.3
E5266362	1.06	0.10	0.52	0.5	<0.01	<5	27	1.10	0.25	0.50	0.11	32.8	1.1	113
E5266363	2.23	0.06	0.88	0.7	<0.01	<5	10	0.34	0.28	3.26	0.23	16.9	7.5	65.5
E5266364	2.43	0.06	1.49	0.6	<0.01	<5	13	0.69	0.74	6.72	0.22	11.5	5.6	69.3
E5266365	1.56	0.06	1.57	0.6	<0.01	<5	11	0.48	0.62	2.42	0.95	16.9	6.1	108
E5266366	2.02	<0.01	0.85	<0.1	<0.01	<5	11	0.88	0.61	18.9	0.62	14.1	1.9	22.3
E5266367	1.22	0.12	2.19	0.3	<0.01	<5	18	9.08	5.23	11.7	4.87	52.5	6.5	45.4
E5266368	0.95	0.17	2.74	0.2	<0.01	<5	20	8.94	11.3	9.17	0.56	15.7	6.6	65.4

Certified By:





## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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FAX (905)501-0589  
<http://www.agatlabs.com>

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

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
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
Sample Description														
E5266369	0.84	0.14	2.79	0.2	<0.01	<5	22	9.14	8.68	12.5	1.23	15.4	4.4	92.7
E5266370	1.29	0.13	2.10	<0.1	<0.01	<5	14	49.7	16.8	19.0	13.7	22.2	2.7	26.3
E5266371	1.48	0.38	10.4	<0.1	0.02	<5	13	64.3	133	7.88	25.8	19.0	2.0	65.2
E5266372	2.49	0.43	5.23	0.4	0.02	<5	12	107	55.9	9.08	63.6	37.6	5.4	71.1
E5266373	1.87	0.61	4.01	0.5	0.04	<5	10	48.3	95.6	10.9	60.8	49.0	8.4	133
E5266374	2.25	1.46	0.82	0.6	0.16	<5	8	8.43	325	1.03	0.25	15.6	6.1	95.5
E5266375	1.87	0.21	2.00	0.4	0.01	<5	21	6.46	22.6	2.26	10.1	35.7	5.8	103
E5266376	2.07	0.11	1.64	0.3	<0.01	<5	36	3.94	16.5	18.7	21.7	21.9	4.0	46.3
E5266377	1.11	2.90	1.72	1.3	0.14	<5	25	19.4	454	4.73	747	31.6	29.2	186
E5266378	1.70	0.10	0.63	0.8	<0.01	<5	35	2.89	3.84	1.06	8.58	26.2	1.9	133
E5266379	0.03	0.90	1.58	2.4	<0.01	<5	22	<0.05	1.87	5.76	2.55	3.08	3.5	20.0
E5266380	2.53	0.08	1.18	0.4	<0.01	<5	36	1.38	0.90	15.4	0.66	10.3	4.4	67.7
E5266381	2.54	0.06	1.57	<0.1	<0.01	<5	14	6.49	4.33	14.0	1.80	20.8	3.4	51.3
E5266382	1.86	<0.01	1.83	<0.1	<0.01	<5	13	3.68	2.53	16.1	2.77	20.4	1.5	65.9
E5266383	1.48	0.08	3.70	0.8	<0.01	<5	37	1.57	0.76	4.96	0.27	17.9	2.8	97.3
E5266384	1.49	0.11	2.01	0.5	<0.01	<5	162	0.40	0.39	0.63	0.07	42.6	11.3	123
E5266385	2.16	0.12	1.44	0.5	<0.01	<5	16	0.59	0.76	4.82	0.10	24.3	5.5	62.9
E5266386	2.31	0.10	2.77	0.6	<0.01	<5	33	1.08	1.02	5.27	0.21	23.0	7.7	72.8
E5266387	2.46	0.10	1.44	0.6	<0.01	<5	21	1.15	1.23	9.81	0.28	21.8	9.1	47.4
E5266388	2.32	0.03	1.53	<0.1	<0.01	<5	17	4.55	2.46	16.4	1.90	30.0	3.5	42.2
E5266389	0.35	<0.01	0.02	<0.1	<0.01	<5	4	0.05	0.02	>25	0.02	0.58	0.3	6.5
E5266390	2.27	0.09	1.88	0.4	<0.01	<5	19	8.61	4.59	13.4	0.50	20.9	4.8	55.8
E5266391	2.29	0.10	1.14	<0.1	<0.01	<5	25	2.49	2.47	10.1	0.66	41.2	3.3	39.3
E5266392	2.23	0.02	1.06	<0.1	<0.01	<5	20	1.28	0.90	16.5	0.50	30.9	2.5	23.9
E5266393	2.04	0.08	1.90	<0.1	<0.01	<5	29	2.82	1.89	12.6	0.28	45.0	5.2	39.4
E5266394	2.41	0.13	1.44	0.2	<0.01	<5	30	1.72	1.73	8.39	0.70	41.4	9.0	71.1
E5266395	1.45	0.06	0.90	0.4	<0.01	<5	36	4.78	8.53	3.08	1.47	21.0	2.7	68.4
E5266396	2.85	0.06	1.67	<0.1	<0.01	<5	24	4.26	3.29	17.7	1.45	31.8	2.8	32.3
E5266397	1.39	0.26	2.62	1.0	<0.01	<5	30	4.01	16.5	3.07	8.46	38.8	10.1	112
E5266398	1.34	0.21	2.01	0.7	<0.01	<5	72	4.33	7.12	9.44	2.48	22.4	3.0	51.5
E5266399	1.09	0.16	1.95	0.5	<0.01	<5	69	4.82	8.58	10.1	2.02	24.1	3.7	62.9
E5266400	1.85	0.07	1.30	<0.1	<0.01	<5	6	14	10.8	17.2	19.8	3.05	2.9	42.0

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Sample Description	Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Sample Login Weight Unit: kg RDL:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
E5266401	0.50	0.11	0.69	0.5	<0.01	<5	98	4.75	14.7	0.77	0.32	16.2	1.6	222
E5266402	0.59	1.27	3.59	0.4	0.10	<5	13	48.1	199	7.12	382	43.3	24.1	76.7
E5266403	0.34	0.14	2.41	<0.1	<0.01	<5	41	9.29	2.87	13.5	6.82	27.3	6.6	47.6
E5266404	1.25	0.04	0.33	0.5	<0.01	<5	23	0.94	2.82	0.35	0.32	8.90	0.9	109
E5266405	1.33	0.05	0.44	0.6	<0.01	<5	73	2.20	14.5	0.38	1.59	21.8	1.5	228
E5266406	0.90	0.68	3.16	0.2	0.04	<5	23	69.7	138	13.1	45.5	23.0	3.7	51.7
E5266407	2.61	0.09	1.59	0.5	<0.01	<5	12	5.72	8.72	9.01	1.63	34.7	4.6	57.4
E5266408	0.96	0.17	3.93	0.5	<0.01	<5	21	3.70	1.20	6.10	0.39	24.1	6.5	76.6
E5266409	0.07	0.87	1.49	1.9	<0.01	<5	16	<0.05	1.79	5.44	2.22	2.97	3.8	19.8
E5266410	0.79	0.08	2.15	0.4	<0.01	<5	96	0.46	0.18	0.46	0.05	48.0	13.5	193
E5266411	1.41	0.06	0.26	0.5	<0.01	<5	16	0.61	1.05	0.28	0.06	25.8	1.0	84.3
E5266412	0.42	0.97	4.46	0.3	0.13	<5	44	8.51	341	3.39	0.26	47.2	19.7	90.9
E5266413	1.55	0.07	2.08	0.5	<0.01	<5	93	0.65	0.68	0.69	0.04	46.7	12.4	127
E5266414	2.04	0.18	2.67	0.2	<0.01	<5	18	2.71	2.94	7.31	0.23	20.6	9.7	66.3
E5266415	2.28	0.05	1.15	<0.1	<0.01	<5	15	2.19	1.97	19.3	0.67	19.3	2.6	20.7
E5266416	2.18	0.06	1.23	<0.1	<0.01	<5	25	2.13	2.27	10.6	0.37	26.8	5.3	42.2
E5266417	2.38	0.15	1.72	0.3	<0.01	<5	196	1.50	0.70	8.27	0.25	15.9	17.3	78.3
E5266418	2.33	0.04	1.32	<0.1	<0.01	<5	19	1.31	2.64	14.7	0.63	20.4	2.7	64.0
E5266419	0.34	<0.01	0.03	<0.1	<0.01	<5	8	<0.05	0.04	>25	0.02	0.39	0.4	2.6
E5266420	2.37	0.03	1.41	<0.1	<0.01	<5	17	1.77	1.50	16.7	0.49	30.1	3.5	31.3
E5266421	2.08	0.14	2.62	0.4	<0.01	<5	72	13.8	8.51	11.5	48.2	45.2	7.7	47.7
E5266422	1.17	0.09	2.46	<0.1	<0.01	7	31	13.8	11.3	16.6	2.53	51.0	4.6	59.3
E5266423	1.22	0.06	1.80	<0.1	<0.01	<5	42	19.6	7.95	12.9	5.12	36.8	3.4	40.0
E5266424	1.04	0.20	1.70	0.4	<0.01	<5	13	1.49	1.57	2.47	0.16	29.0	16.3	58.8
E5266425	0.50	0.05	0.31	0.5	<0.01	<5	52	0.93	4.68	0.22	0.10	14.6	2.1	130
E5266426	0.83	0.13	2.33	0.6	<0.01	<5	23	2.24	0.77	4.43	0.27	32.1	7.4	98.0
E5266427	2.26	<0.01	0.78	<0.1	<0.01	<5	37	1.82	1.85	16.2	1.73	17.5	2.0	35.2
E5266428	0.96	0.14	1.11	<0.1	<0.01	<5	27	3.85	3.15	17.0	0.80	12.3	7.6	63.3
E5266429	0.82	0.12	1.10	<0.1	<0.01	<5	25	4.51	2.02	14.9	0.56	13.0	5.5	71.5
E5266430	1.06	1.08	4.05	0.7	0.04	<5	11	128	129	5.72	175	16.5	20.8	173
E5266431	0.95	0.43	1.96	0.8	<0.01	<5	16	6.72	13.1	11.2	1.52	17.0	7.9	68.9
E5266432	0.39	2.29	3.88	0.8	0.15	<5	37	28.4	445	3.37	217	37.3	14.0	52.4

Certified By:

# Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

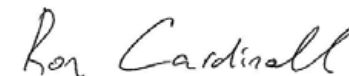
DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample Description	RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
E5266433	1.47	0.16	0.80	0.2	<0.01	<5	14	2.80	5.21	2.15	6.87	12.1	1.8	105

Certified By:





## Certificate of Analysis

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PROJECT NO: FOX

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
E5266337	0.14	13.3	0.82	3.75	0.07	0.10	0.01	0.009	0.01	8.4	4.4	0.07	189	0.68
E5266338	0.11	6.1	0.72	4.85	0.19	0.17	<0.01	0.011	0.01	12.3	4.9	0.08	310	0.65
E5266339	0.10	8.1	0.94	5.81	0.17	0.17	<0.01	0.013	0.01	13.1	6.3	0.12	262	0.66
E5266340	0.22	7.6	0.72	5.15	0.18	0.14	<0.01	0.010	<0.01	10.5	8.2	0.11	240	1.65
E5266341	1.10	32.7	1.12	12.9	0.27	0.65	0.09	0.018	0.01	13.9	5.8	0.08	831	0.70
E5266342	2.05	19.0	0.99	7.72	0.15	0.19	0.02	0.036	0.14	20.0	19.1	0.22	920	3.41
E5266343	3.50	18.7	1.13	5.05	0.09	0.17	<0.01	0.016	0.36	15.7	34.0	0.23	245	2.60
E5266344	0.84	72.4	1.82	24.3	0.10	0.07	<0.01	0.035	0.01	21.3	8.1	0.11	492	1.35
E5266345	3.36	160	3.59	23.1	0.71	4.62	<0.01	4.82	0.01	23.4	8.4	0.09	3920	1.69
E5266346	1.52	502	9.13	14.7	0.31	3.36	<0.01	19.2	0.07	12.3	15.2	0.14	1830	4.72
E5266347	2.35	13.2	0.82	9.24	0.41	1.27	<0.01	0.106	0.01	16.1	13.6	0.11	517	0.89
E5266348	2.64	9.9	0.61	2.81	0.05	0.31	<0.01	0.010	0.24	6.3	13.3	0.04	167	1.36
E5266349	<0.05	301	3.28	7.79	0.52	6.51	<0.01	0.118	<0.01	1.6	0.5	0.07	5320	133
E5266350	0.47	64.6	1.41	6.12	0.06	4.51	<0.01	0.077	0.03	9.4	5.0	0.04	117	1.74
E5266351	0.49	155	3.49	7.18	0.25	8.03	<0.01	0.739	0.01	22.5	7.9	0.14	1020	1.05
E5266352	0.19	26.2	1.09	6.03	0.22	0.40	<0.01	0.020	0.01	16.6	2.6	0.07	388	0.88
E5266353	0.30	9.9	0.83	7.74	0.30	0.49	<0.01	0.017	0.01	13.6	10.0	0.13	654	0.47
E5266354	0.23	7.2	0.34	2.89	0.07	0.22	<0.01	0.007	0.03	14.8	6.1	0.05	73	0.87
E5266355	0.17	6.8	0.50	4.46	0.21	0.18	<0.01	0.013	<0.01	8.8	5.8	0.06	715	0.29
E5266356	0.19	6.3	0.49	4.94	0.18	0.16	0.02	0.012	0.01	10.0	9.7	0.09	556	0.50
E5266357	0.33	3.1	0.47	7.03	0.33	0.19	0.02	0.012	<0.01	12.2	7.9	0.06	303	2.43
E5266358	0.16	12.1	0.30	1.91	0.09	0.22	<0.01	0.011	0.01	22.8	5.2	0.06	85	1.02
E5266359	<0.05	<0.1	0.03	0.09	<0.05	<0.02	<0.01	<0.005	<0.01	0.3	0.3	1.59	41	0.21
E5266360	0.43	11.5	1.30	12.7	0.60	3.24	<0.01	0.034	0.02	13.0	21.0	0.23	722	1.27
E5266361	1.79	19.3	1.20	12.5	0.47	0.33	0.04	0.028	0.07	14.0	28.7	0.20	391	1.42
E5266362	1.10	17.4	0.63	3.28	0.12	0.24	<0.01	0.011	0.16	16.6	7.9	0.05	86	1.76
E5266363	0.10	4.8	0.56	3.24	0.12	0.10	<0.01	0.009	<0.01	8.5	6.8	0.08	112	0.77
E5266364	0.17	5.9	0.81	5.14	0.19	0.09	<0.01	0.010	<0.01	5.6	10.3	0.12	262	0.90
E5266365	0.11	4.9	0.91	6.12	0.13	0.23	0.03	0.027	<0.01	8.9	7.7	0.12	160	0.86
E5266366	0.08	2.2	0.33	2.94	<0.05	0.11	<0.01	0.006	<0.01	7.0	4.3	0.05	404	0.91
E5266367	1.31	36.8	1.05	10.1	0.29	0.67	0.11	0.090	0.05	26.4	11.8	0.10	459	8.51
E5266368	0.49	26.1	1.12	13.5	0.46	0.39	0.04	0.020	<0.01	6.8	8.3	0.09	549	0.77

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
E5266369	0.29	10.3	0.97	14.8	0.55	0.41	0.03	0.032	0.01	7.1	10.1	0.12	622	0.84
E5266370	0.31	13.6	0.72	11.7	0.22	2.86	0.51	0.208	0.01	11.0	7.0	0.07	1340	1.23
E5266371	1.51	14.3	0.42	103	<0.05	0.08	0.01	0.394	0.02	8.0	3.7	0.02	219	1.07
E5266372	2.12	49.9	1.79	37.6	1.17	7.20	1.30	0.957	0.02	18.8	20.4	0.20	3720	2.70
E5266373	0.68	106	2.70	24.1	0.57	4.40	0.49	0.882	0.01	25.6	16.4	0.18	1370	2.90
E5266374	0.44	157	4.49	5.86	0.15	3.03	0.59	0.005	0.02	7.0	3.6	0.02	83	1.24
E5266375	0.77	59.8	1.76	9.87	0.17	3.85	0.77	0.146	0.03	18.1	27.4	0.28	461	1.47
E5266376	0.37	20.9	0.92	6.83	0.45	0.67	0.10	0.315	0.01	10.2	16.5	0.12	1220	0.55
E5266377	4.94	406	9.28	14.8	1.10	7.59	<0.01	10.9	0.22	15.0	66.5	0.72	4210	3.68
E5266378	2.11	7.1	0.39	3.10	0.14	0.60	0.06	0.124	0.03	13.1	8.3	0.07	155	1.78
E5266379	<0.05	315	3.03	8.00	0.78	6.51	1.28	0.127	<0.01	1.5	0.6	0.07	5110	141
E5266380	0.64	13.6	0.61	5.12	0.28	0.29	0.02	0.011	0.04	4.4	6.7	0.17	631	2.19
E5266381	0.26	8.6	0.59	6.75	0.64	0.25	0.01	0.010	0.01	8.8	11.6	0.09	623	0.58
E5266382	0.13	0.4	0.57	7.95	0.68	0.42	0.03	0.019	<0.01	9.3	7.4	0.06	721	0.75
E5266383	0.80	8.2	1.14	14.1	0.25	0.20	0.02	0.012	0.01	8.5	16.4	0.15	290	1.72
E5266384	5.69	27.6	2.87	8.64	0.18	0.06	<0.01	0.035	1.01	21.2	114	0.77	472	1.22
E5266385	0.29	8.2	0.82	5.29	0.11	0.15	<0.01	0.010	0.04	12.3	14.1	0.14	323	1.67
E5266386	0.35	12.7	1.19	8.94	0.19	0.15	<0.01	0.016	0.02	11.7	15.1	0.20	276	2.89
E5266387	0.09	12.2	0.82	4.81	0.19	0.14	<0.01	0.010	0.01	11.1	4.4	0.08	261	0.60
E5266388	0.70	7.4	0.57	6.01	0.21	0.29	0.04	0.022	0.01	15.2	9.8	0.09	384	0.58
E5266389	<0.05	<0.1	0.04	0.12	<0.05	<0.02	<0.01	<0.005	<0.01	0.3	0.3	1.75	47	0.15
E5266390	0.25	6.0	0.88	6.62	0.37	0.32	0.02	0.017	<0.01	9.3	11.0	0.21	657	0.62
E5266391	0.17	9.3	0.46	3.73	0.29	0.21	0.03	0.008	0.01	21.1	8.5	0.07	281	0.51
E5266392	0.18	1.2	0.39	3.40	0.08	0.13	0.02	0.008	0.01	15.5	7.1	0.08	246	0.38
E5266393	0.34	6.3	0.67	5.94	0.22	0.15	<0.01	0.011	0.03	23.4	13.5	0.13	334	2.12
E5266394	1.24	28.4	1.44	4.83	0.23	0.15	0.02	0.014	0.13	20.0	18.8	0.19	360	1.27
E5266395	0.27	9.3	0.56	3.27	0.16	0.19	0.02	0.026	0.01	9.6	11.0	0.09	146	1.63
E5266396	0.11	4.9	0.57	6.07	0.44	0.30	0.03	0.012	<0.01	15.6	8.3	0.07	404	1.00
E5266397	2.46	32.8	1.48	10.1	0.20	0.36	0.06	0.113	0.02	19.8	16.2	0.17	271	1.05
E5266398	0.28	13.4	0.83	6.94	0.28	0.28	0.03	0.035	0.01	10.7	14.2	0.14	558	0.84
E5266399	0.24	24.1	1.00	6.56	0.28	0.28	0.03	0.028	<0.01	11.4	16.6	0.16	580	0.99
E5266400	0.22	5.2	0.43	5.44	0.22	0.99	0.21	0.027	<0.01	11.2	7.2	0.05	1320	0.45

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
E5266401	0.76	10.6	0.49	3.55	0.13	0.26	<0.01	0.008	0.06	7.5	5.5	0.04	82	1.75
E5266402	2.77	166	3.70	20.7	0.54	4.91	<0.01	5.23	0.01	20.3	19.2	0.23	1820	8.08
E5266403	1.09	35.0	0.81	8.87	0.19	0.79	0.10	0.103	<0.01	11.3	8.0	0.08	909	0.61
E5266404	0.86	7.2	0.43	1.99	0.11	0.23	0.02	0.007	0.14	4.1	8.9	0.04	138	1.26
E5266405	0.88	8.6	0.51	2.25	0.12	0.19	0.01	0.019	0.08	10.8	9.4	0.05	78	2.31
E5266406	4.06	83.6	2.21	14.3	0.48	7.18	1.48	0.673	0.01	10.0	19.2	0.12	681	1.00
E5266407	0.25	8.7	0.70	5.69	0.38	0.47	0.06	0.022	<0.01	15.9	8.8	0.07	393	0.74
E5266408	1.99	27.6	1.14	14.4	0.22	0.19	0.02	0.014	0.01	10.7	11.6	0.12	334	1.04
E5266409	<0.05	300	2.86	6.67	0.61	4.39	0.93	0.115	<0.01	1.5	0.6	0.07	4790	140
E5266410	5.46	27.4	3.03	9.07	0.17	0.07	<0.01	0.040	1.18	23.3	110	0.82	434	2.41
E5266411	0.44	15.3	0.64	1.81	0.13	0.21	<0.01	0.009	0.10	13.2	7.5	0.04	95	2.11
E5266412	8.80	218	9.96	22.4	0.20	6.91	1.83	0.022	0.29	23.0	56.6	0.67	547	1.40
E5266413	3.82	24.2	2.84	7.82	0.17	0.07	0.02	0.026	0.96	23.1	81.6	0.80	408	1.56
E5266414	1.38	33.5	1.40	8.59	0.15	0.13	<0.01	0.019	0.02	9.9	15.8	0.20	594	1.31
E5266415	0.14	6.6	0.38	3.53	<0.05	0.14	<0.01	0.007	<0.01	9.4	4.3	0.04	402	1.27
E5266416	0.18	14.3	0.74	3.62	0.15	0.12	<0.01	0.010	0.01	12.5	7.8	0.08	305	0.55
E5266417	1.33	35.1	2.61	5.41	0.21	0.22	<0.01	0.018	0.25	7.1	62.3	0.76	712	1.07
E5266418	0.19	2.8	0.60	4.36	0.30	0.33	0.01	0.010	0.01	9.2	4.3	0.08	547	0.62
E5266419	<0.05	<0.1	0.05	0.11	<0.05	0.02	0.01	<0.005	<0.01	0.2	0.4	2.52	52	0.13
E5266420	0.65	11.7	0.51	4.33	0.13	0.09	<0.01	0.008	0.04	14.8	11.8	0.10	285	0.71
E5266421	0.71	24.0	1.18	11.9	0.34	0.17	0.01	0.712	0.06	22.7	28.0	0.19	1050	0.76
E5266422	0.39	8.9	0.92	10.7	0.55	0.58	0.07	0.036	<0.01	26.0	14.9	0.21	1040	0.69
E5266423	1.47	11.9	0.69	7.58	0.39	0.60	0.11	0.068	0.01	17.5	13.2	0.10	1170	0.58
E5266424	0.24	30.0	1.54	6.25	0.20	0.18	0.02	0.014	0.02	14.8	13.5	0.14	212	0.87
E5266425	0.76	18.0	0.50	1.63	0.11	0.27	<0.01	<0.005	0.06	6.5	8.4	0.06	65	1.41
E5266426	0.45	18.7	1.14	9.40	0.22	0.14	<0.01	0.013	0.01	16.2	13.6	0.12	255	0.95
E5266427	0.06	2.8	0.35	2.39	0.10	0.15	<0.01	0.011	<0.01	8.5	7.4	0.07	646	0.45
E5266428	0.92	19.2	0.72	4.58	0.13	0.27	0.02	0.014	0.02	5.4	7.5	0.15	1010	0.70
E5266429	1.14	12.1	0.56	4.56	0.20	0.24	<0.01	0.009	0.02	5.9	5.2	0.09	757	0.72
E5266430	5.44	130	3.37	23.7	1.53	16.3	3.56	2.43	0.02	7.3	20.1	0.27	8470	2.35
E5266431	7.40	39.8	1.39	8.27	0.39	2.56	0.50	0.028	0.10	7.9	26.5	0.35	1230	0.64
E5266432	22.2	451	8.90	29.6	0.29	4.36	0.04	3.04	0.70	16.6	115	1.06	1430	1.87

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

5623 McADAM ROAD  
 MISSISSAUGA, ONTARIO  
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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

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SAMPLE TYPE: Rock

Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
Sample Description	RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05
E5266433	1.02	13.6	0.61	3.69	0.14	0.67	0.05	0.092	0.24	5.4	8.4	0.05	368	1.19	

Certified By:

*Ron Cardinali*



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DATE SAMPLED: Sep 27, 2011

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SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
E5266337	0.08	2.82	12.5	200	21.9	0.3	0.002	0.332	0.16	1.2	<0.2	2.4	690	0.03
E5266338	0.10	2.71	8.9	443	13.8	0.3	<0.001	0.288	0.11	1.4	<0.2	4.9	871	0.03
E5266339	0.14	3.10	11.6	502	16.1	0.4	<0.001	0.307	0.08	1.9	<0.2	4.9	931	0.06
E5266340	0.11	2.39	9.4	367	14.2	0.2	<0.001	0.238	0.12	1.4	<0.2	3.6	730	0.03
E5266341	0.25	4.38	19.9	628	2.9	0.8	<0.001	0.647	0.19	1.4	0.2	12.6	802	0.03
E5266342	0.16	3.12	8.3	372	4.1	12.2	<0.001	0.483	0.26	2.2	0.2	7.8	1070	0.06
E5266343	0.13	2.67	7.5	593	4.9	43.5	<0.001	0.218	0.08	2.6	0.2	3.1	117	0.01
E5266344	0.41	3.70	29.5	715	2.5	1.5	<0.001	1.03	0.10	1.1	0.3	11.1	595	0.09
E5266345	0.40	3.14	15.4	488	1.6	0.9	0.006	2.41	0.15	1.0	1.2	32.3	495	0.03
E5266346	0.32	0.87	8.1	532	1.7	9.7	0.004	6.41	0.21	0.9	3.5	20.1	147	0.02
E5266347	0.21	2.49	5.8	338	1.4	1.1	0.002	0.353	1.15	1.3	<0.2	20.6	320	0.01
E5266348	0.13	2.54	2.5	117	5.2	27.9	<0.001	0.137	0.29	0.9	<0.2	2.0	11.1	<0.01
E5266349	<0.01	0.50	9.1	299	6.1	0.3	0.009	0.091	0.68	0.8	<0.2	3.3	11.9	<0.01
E5266350	0.26	2.02	5.6	496	2.2	3.3	0.006	0.781	0.31	0.9	0.4	2.4	193	0.01
E5266351	0.29	4.95	27.9	325	4.0	0.8	0.012	2.20	0.17	1.3	0.7	14.9	451	0.04
E5266352	0.23	4.67	17.1	440	8.8	0.4	<0.001	0.551	0.11	1.2	0.2	9.8	732	0.02
E5266353	0.14	1.89	7.8	504	2.5	0.6	0.001	0.455	0.27	1.4	<0.2	17.0	691	<0.01
E5266354	0.16	1.95	4.3	488	1.3	1.6	<0.001	0.080	0.08	1.3	0.2	2.3	292	0.03
E5266355	0.06	3.20	8.2	678	3.2	0.4	<0.001	0.354	0.30	1.0	<0.2	10.1	1280	0.01
E5266356	0.09	2.08	8.2	614	3.7	0.6	<0.001	0.340	0.63	0.9	<0.2	7.7	926	<0.01
E5266357	0.12	2.20	5.4	414	2.2	0.4	<0.001	0.163	0.44	1.0	<0.2	8.3	791	0.01
E5266358	0.12	1.89	2.7	214	0.7	0.6	<0.001	0.074	0.06	1.3	<0.2	2.6	199	0.02
E5266359	<0.01	0.39	1.1	64	0.1	<0.1	<0.001	0.458	<0.05	0.2	<0.2	<0.2	4900	<0.01
E5266360	0.19	6.41	16.7	460	0.9	1.0	0.004	0.400	0.72	2.1	<0.2	31.9	521	0.02
E5266361	0.13	1.47	14.8	565	11.4	8.3	<0.001	0.437	0.40	2.2	0.3	11.0	1090	0.02
E5266362	0.11	0.98	2.7	133	9.0	13.3	<0.001	0.267	0.08	1.6	0.3	4.3	63.0	0.01
E5266363	0.04	2.69	16.9	214	19.9	0.2	<0.001	0.114	<0.05	1.3	<0.2	0.8	469	0.03
E5266364	0.08	2.38	12.4	461	17.4	0.3	<0.001	0.256	0.09	1.3	<0.2	5.1	573	0.03
E5266365	0.12	3.17	16.3	123	29.1	0.2	<0.001	0.156	<0.05	2.2	<0.2	0.9	449	0.07
E5266366	0.08	1.28	5.6	416	7.8	0.4	<0.001	0.350	0.08	0.8	0.2	3.2	1450	0.01
E5266367	0.20	3.30	14.7	367	2.0	7.5	0.002	0.609	0.41	1.7	0.4	10.2	678	0.03
E5266368	0.19	6.01	22.0	1290	1.4	0.7	<0.001	0.574	0.22	1.6	0.3	17.7	493	0.07

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
Sample Description	RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	
E5266369		0.17	5.83	15.5	1140	2.4	0.8	<0.001	0.394	0.25	2.2	0.3	18.1	570	<0.01
E5266370		0.13	3.80	7.7	1220	3.9	0.7	0.005	0.597	0.10	1.3	0.4	5.8	924	0.05
E5266371		0.83	0.24	3.0	2160	3.6	1.8	<0.001	0.348	0.52	1.1	0.4	0.7	722	<0.01
E5266372		0.36	6.88	12.7	559	1.5	2.4	0.012	0.971	0.73	1.8	0.5	23.5	435	0.03
E5266373		0.36	1.87	18.2	663	1.4	1.6	0.008	1.69	0.51	2.3	0.8	19.5	479	0.04
E5266374		0.18	1.87	3.2	1590	2.1	1.5	0.005	2.50	1.26	0.6	1.3	1.2	81.8	0.01
E5266375		0.21	2.12	12.4	445	2.5	5.2	0.007	0.881	0.20	2.5	0.5	5.4	454	0.03
E5266376		0.10	3.78	10.9	737	3.0	0.9	0.001	0.630	0.86	1.7	0.4	20.8	1290	0.02
E5266377		0.20	2.90	92.4	1030	1.8	41.6	0.013	5.87	0.27	4.2	3.0	62.7	237	0.02
E5266378		0.13	0.79	5.5	985	1.2	3.5	0.001	0.098	0.06	1.6	0.3	2.2	178	0.02
E5266379		<0.01	0.61	10.2	310	6.1	0.3	0.011	0.090	0.70	1.0	<0.2	3.6	12.4	<0.01
E5266380		0.03	5.69	24.8	1140	2.5	4.3	0.001	0.366	0.07	1.8	0.3	11.5	1200	0.07
E5266381		0.08	2.63	12.0	770	1.5	1.0	<0.001	0.264	0.57	1.6	0.3	22.3	579	0.02
E5266382		0.08	1.24	6.1	540	2.3	0.3	<0.001	0.253	0.39	2.0	0.2	23.2	799	0.02
E5266383		0.23	1.06	10.2	920	19.3	0.7	<0.001	0.227	<0.05	1.3	<0.2	5.3	1330	0.02
E5266384		0.09	1.19	31.2	412	4.4	94.4	0.001	0.486	<0.05	6.3	0.3	2.6	58.5	<0.01
E5266385		0.11	3.32	12.7	270	31.3	3.3	<0.001	0.161	<0.05	1.7	<0.2	1.4	627	0.05
E5266386		0.26	2.44	18.0	430	23.1	0.7	<0.001	0.326	<0.05	2.2	0.2	3.5	881	0.05
E5266387		0.10	2.02	15.4	457	10.3	0.4	<0.001	0.405	<0.05	1.5	0.2	3.2	790	0.03
E5266388		0.03	1.50	7.8	345	2.8	1.0	<0.001	0.373	0.25	1.5	0.3	5.0	1030	0.01
E5266389		<0.01	0.36	4.7	45	0.2	0.2	<0.001	0.504	<0.05	0.3	0.2	<0.2	4760	<0.01
E5266390		0.03	4.49	14.4	637	2.1	0.5	<0.001	0.332	0.42	2.0	0.3	11.2	590	<0.01
E5266391		0.07	2.44	8.8	292	1.6	0.7	<0.001	0.214	0.18	1.1	0.2	7.7	523	0.02
E5266392		0.08	2.54	7.0	298	3.4	0.8	<0.001	0.319	0.19	1.0	0.3	6.7	1160	0.03
E5266393		0.13	4.26	12.5	461	3.4	1.7	<0.001	0.352	0.36	1.7	0.3	10.2	697	0.11
E5266394		0.14	3.44	23.7	478	4.0	11.2	0.002	0.712	0.28	1.8	0.3	6.3	469	0.05
E5266395		0.13	0.79	4.2	1230	0.9	0.8	<0.001	0.251	0.12	1.7	0.4	2.4	341	0.01
E5266396		0.11	1.84	7.8	343	2.4	0.4	<0.001	0.389	0.65	1.3	0.4	24.5	616	0.02
E5266397		0.31	3.10	27.7	402	19.5	1.0	0.001	0.522	0.06	2.3	0.4	5.2	787	0.07
E5266398		0.13	2.30	10.1	987	4.8	1.0	<0.001	0.361	0.19	1.7	0.3	13.0	546	0.03
E5266399		0.12	2.20	12.4	867	4.4	0.7	<0.001	0.454	0.21	1.6	0.3	12.9	575	0.02
E5266400		0.03	2.77	9.4	1340	2.8	0.4	0.002	0.355	0.53	1.3	0.3	18.7	969	0.02

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
E5266401	0.19	0.47	4.7	812	1.6	5.1	<0.001	0.086	<0.05	1.9	0.4	0.8	151	<0.01
E5266402	0.34	4.74	49.5	1050	1.3	1.4	0.008	2.55	0.33	2.0	1.3	29.8	373	0.02
E5266403	0.08	2.94	20.5	1070	1.5	1.1	0.001	0.393	0.27	1.7	0.4	6.9	1390	0.06
E5266404	0.10	1.39	2.4	217	4.5	12.5	<0.001	0.101	<0.05	1.1	0.2	1.0	35.8	<0.01
E5266405	0.15	0.41	4.6	364	2.5	7.5	<0.001	0.099	0.13	1.5	0.3	0.8	90.2	<0.01
E5266406	0.29	3.78	6.8	858	1.5	1.2	0.012	1.38	1.09	1.4	0.7	25.7	614	0.02
E5266407	0.09	1.74	11.3	374	0.9	0.6	<0.001	0.310	0.35	1.5	0.4	14.2	328	0.02
E5266408	0.23	1.40	17.6	2120	22.0	1.1	<0.001	0.467	0.08	1.7	0.3	5.5	1750	0.02
E5266409	<0.01	0.35	11.3	301	6.1	0.3	0.007	0.082	0.68	0.8	<0.2	3.7	13.0	<0.01
E5266410	0.12	0.70	34.0	133	2.8	93.2	<0.001	0.431	<0.05	7.3	0.3	1.6	30.5	<0.01
E5266411	0.06	0.82	2.1	85	8.7	7.2	<0.001	0.247	<0.05	1.1	0.3	0.7	16.9	<0.01
E5266412	0.24	3.62	34.2	1650	13.0	55.2	0.013	4.63	1.17	6.1	2.7	7.9	1360	0.01
E5266413	0.08	0.88	32.9	174	4.1	69.3	<0.001	0.446	<0.05	5.2	0.3	1.5	33.8	<0.01
E5266414	0.29	2.50	18.1	272	15.1	0.9	<0.001	0.606	0.06	2.0	0.3	8.3	952	0.05
E5266415	0.12	1.80	7.1	320	5.4	0.4	<0.001	0.393	0.29	0.7	0.3	6.0	1490	0.01
E5266416	0.11	1.99	14.6	343	3.7	0.6	<0.001	0.404	0.08	1.0	0.2	4.8	946	0.03
E5266417	0.07	3.88	44.5	1820	4.8	14.8	0.001	0.595	0.07	2.9	0.5	6.3	422	0.04
E5266418	0.03	3.77	9.9	653	2.1	0.8	<0.001	0.232	0.29	2.2	0.3	10.3	846	0.05
E5266419	<0.01	0.35	4.7	74	0.2	0.2	<0.001	0.499	0.05	0.3	0.3	<0.2	4700	<0.01
E5266420	0.08	1.93	8.9	309	4.2	3.7	<0.001	0.340	0.32	1.0	0.3	5.7	1190	0.02
E5266421	0.16	3.74	15.2	573	2.1	5.1	<0.001	0.592	0.86	2.2	0.4	15.2	605	0.04
E5266422	0.16	3.76	11.3	399	1.7	0.7	<0.001	0.404	0.72	2.1	0.4	30.8	566	<0.01
E5266423	0.14	1.59	9.4	381	1.6	0.5	0.001	0.399	0.30	1.2	0.3	14.5	584	0.01
E5266424	0.20	3.05	30.9	217	28.5	1.2	0.004	0.653	0.10	1.8	0.3	3.6	475	0.03
E5266425	0.12	0.70	3.5	60	2.5	5.9	<0.001	0.152	<0.05	1.9	0.2	0.6	44.3	<0.01
E5266426	0.28	3.08	19.4	868	20.7	0.7	0.001	0.328	0.13	1.9	0.3	5.2	891	0.07
E5266427	0.02	0.88	6.6	514	3.0	0.2	<0.001	0.270	0.37	1.0	0.3	10.0	775	<0.01
E5266428	0.06	8.20	33.1	1190	4.4	1.7	<0.001	0.457	0.22	1.8	0.2	14.3	1290	0.04
E5266429	0.08	8.26	24.5	1240	4.4	2.0	<0.001	0.344	0.13	1.7	0.3	15.0	1160	0.06
E5266430	0.28	10.5	151	1100	1.8	2.6	0.029	1.88	0.16	2.6	0.9	53.1	379	0.09
E5266431	0.17	7.98	39.3	1210	2.9	16.7	0.005	0.650	0.28	2.1	0.4	19.6	758	0.04
E5266432	0.31	1.23	37.1	1090	1.9	132	0.008	4.55	0.23	6.6	2.2	17.2	280	0.02

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
Sample Description	RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	
E5266433		0.13	2.80	4.1	331	9.9	17.9	<0.001	0.213	0.10	1.4	0.2	3.3	163	<0.01

Certified By:

*Ron Cardinali*



## Certificate of Analysis

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-FUSION	Zn Fusion
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Sample Description	RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.5	0.5	0.005	0.005
E5266337	<0.01	2.7	0.087	<0.02	0.72	9.7	1.12	4.52	10.5	2.3	<0.005	
E5266338	0.01	4.0	0.083	<0.02	3.67	11.5	1.92	5.97	10.7	4.5	<0.005	
E5266339	<0.01	4.2	0.101	<0.02	1.55	14.6	1.01	6.49	14.0	4.9	<0.005	
E5266340	0.05	3.4	0.083	<0.02	0.84	13.0	4.60	5.36	15.9	3.5	<0.005	
E5266341	0.04	3.9	0.147	<0.02	2.15	16.8	212	5.49	16.7	4.2	0.031	
E5266342	0.03	6.5	0.083	0.07	3.35	16.4	25.8	7.88	35.5	3.1	0.005	
E5266343	0.03	8.4	0.063	0.31	20.2	13.8	1.00	14.1	30.1	2.9	<0.005	
E5266344	0.08	7.2	0.133	<0.02	5.78	10.5	5.10	7.46	44.2	1.2	<0.005	
E5266345	0.66	7.1	0.077	<0.02	6.65	17.3	1980	6.51	8130	3.0	0.545	
E5266346	1.51	3.3	0.030	0.07	2.98	15.3	1430	4.45	>10000	1.9	7.61	3.644
E5266347	0.02	5.2	0.065	<0.02	4.26	12.9	455	6.70	43.3	6.8	0.057	
E5266348	<0.01	5.5	0.008	0.21	15.6	2.0	15.2	8.41	23.3	5.4	0.006	
E5266349	0.42	3.9	0.036	<0.02	2.30	38.5	2740	2.98	56.7	6.5	0.432	
E5266350	0.29	7.9	0.012	0.03	12.7	4.1	1810	14.3	148	5.4	0.235	
E5266351	0.28	6.6	0.142	<0.02	2.15	15.1	3440	9.99	1330	2.0	0.492	
E5266352	0.02	4.9	0.150	<0.02	2.17	14.6	66.4	8.00	22.4	7.1	0.009	
E5266353	0.01	3.7	0.077	<0.02	2.58	15.3	136	6.54	12.0	5.4	0.014	
E5266354	<0.01	10.3	0.038	<0.02	5.88	4.2	9.99	14.0	8.4	3.9	<0.005	
E5266355	0.01	2.8	0.126	<0.02	2.76	12.9	12.8	5.81	12.3	4.5	<0.005	
E5266356	0.01	3.5	0.052	<0.02	3.77	10.4	30.2	5.53	16.8	2.6	0.006	
E5266357	<0.01	5.0	0.059	<0.02	3.73	10.3	30.0	6.32	15.4	3.0	0.005	
E5266358	<0.01	15.3	0.022	<0.02	5.68	3.3	4.26	12.3	14.7	4.0	<0.005	
E5266359	0.04	0.3	<0.005	<0.02	1.80	9.9	1.32	0.34	<0.5	<0.5	<0.005	
E5266360	0.01	5.0	0.094	<0.02	7.47	25.1	1270	9.42	35.9	8.7	0.127	
E5266361	0.02	4.5	0.106	0.05	2.03	21.7	68.8	6.53	91.8	4.4	0.012	
E5266362	<0.01	16.7	0.012	0.09	13.1	3.0	1.85	18.3	16.4	5.5	<0.005	
E5266363	<0.01	2.8	0.089	<0.02	0.51	8.4	2.87	3.63	16.3	2.5	<0.005	
E5266364	<0.01	1.9	0.078	<0.02	0.52	11.0	1.15	4.42	15.3	2.6	<0.005	
E5266365	<0.01	2.7	0.136	<0.02	0.55	14.0	46.1	4.73	33.2	3.1	0.007	
E5266366	0.01	3.0	0.032	<0.02	0.90	5.1	9.77	5.51	5.8	2.9	<0.005	
E5266367	0.01	9.1	0.086	0.05	2.22	12.0	228	8.42	147	2.6	0.029	
E5266368	0.03	1.7	0.199	<0.02	3.97	22.7	81.3	5.28	18.9	5.1	0.011	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
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CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-FUSION	Zn Fusion	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
Sample Description	RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.005	0.005
E5266369		0.03	1.4	0.251	<0.02	1.97	31.2	49.2	5.57	34.7	8.4	0.007	
E5266370		0.05	4.0	0.061	<0.02	1.59	8.8	1120	7.35	341	2.4	0.148	
E5266371		0.51	6.4	<0.005	<0.02	6.61	1.4	16.8	9.87	633	0.7	<0.005	
E5266372		0.17	5.5	0.094	<0.02	6.68	23.2	2800	6.58	1560	2.9	0.670	
E5266373		0.30	7.3	0.068	<0.02	2.83	14.9	1710	8.79	1540	4.7	1.227	
E5266374		1.49	5.1	<0.005	<0.02	10.1	3.4	1160	16.4	11.1	3.2	0.150	
E5266375		0.08	8.6	0.046	0.03	2.20	17.0	1510	9.82	261	2.2	0.170	
E5266376		0.03	3.3	0.132	<0.02	3.36	16.9	180	7.42	540	7.2	0.016	
E5266377		1.40	3.6	0.341	0.28	1.93	43.4	2950	13.7	>10000	6.3	6.46	1.865
E5266378		0.02	9.9	0.014	<0.02	5.19	3.9	150	15.4	193	4.4	0.028	
E5266379		0.35	4.0	0.035	<0.02	2.21	37.7	2590	3.06	85.2	7.3	0.418	
E5266380		0.02	1.2	0.263	0.02	1.49	24.5	43.3	3.58	14.7	4.6	0.009	
E5266381		<0.01	3.0	0.122	<0.02	3.83	20.5	11.3	7.18	18.3	8.4	0.006	
E5266382		<0.01	3.3	0.060	<0.02	2.29	14.8	57.0	6.04	28.1	11.0	0.010	
E5266383		0.01	3.7	0.061	<0.02	2.32	19.9	30.1	4.39	22.5	3.5	0.005	
E5266384		0.02	9.3	0.234	0.61	2.36	50.7	3.06	7.33	55.4	1.4	<0.005	
E5266385		<0.01	4.4	0.106	0.02	2.76	12.1	4.30	5.73	19.3	3.4	<0.005	
E5266386		<0.01	3.6	0.121	<0.02	0.81	16.0	10.2	5.99	22.2	3.4	<0.005	
E5266387		0.01	3.6	0.081	<0.02	0.81	11.4	2.08	5.61	11.7	4.4	<0.005	
E5266388		0.02	5.5	0.052	<0.02	2.39	9.7	56.2	6.14	45.2	4.6	0.008	
E5266389		0.04	0.1	<0.005	<0.02	1.59	9.4	1.36	0.37	0.5	<0.5	<0.005	
E5266390		0.01	3.4	0.181	<0.02	4.75	25.0	35.5	5.53	18.5	6.7	0.005	
E5266391		<0.01	7.8	0.069	<0.02	2.59	8.8	43.8	6.89	9.5	2.9	0.012	
E5266392		0.01	6.1	0.055	<0.02	1.46	7.5	10.9	6.80	6.7	2.7	<0.005	
E5266393		<0.01	7.6	0.129	<0.02	2.10	13.6	5.23	8.82	14.0	3.8	<0.005	
E5266394		0.01	6.6	0.154	0.06	1.64	22.2	10.7	7.59	22.4	3.3	<0.005	
E5266395		0.03	5.6	0.011	<0.02	5.87	4.5	21.0	18.0	49.3	2.4	<0.005	
E5266396		<0.01	5.8	0.063	<0.02	3.46	10.7	34.5	6.48	9.5	7.4	0.007	
E5266397		0.06	6.0	0.146	<0.02	1.43	20.0	103	7.77	233	2.5	0.011	
E5266398		0.03	4.1	0.070	<0.02	4.54	17.3	43.9	8.09	48.0	5.3	0.005	
E5266399		0.03	4.6	0.063	<0.02	5.12	17.0	56.9	7.72	40.8	4.0	0.008	
E5266400		0.05	3.4	0.146	<0.02	2.49	13.6	313	7.07	26.8	7.5	0.035	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011	DATE RECEIVED: Sep 27, 2011					DATE REPORTED: Oct 13, 2011					SAMPLE TYPE: Rock	
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-FUSION	Zn Fusion
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.005	0.005
E5266401	0.12	8.1	0.006	0.04	14.8	2.8	4.26	12.9	15.4	4.6	<0.005	
E5266402	0.61	5.7	0.244	0.02	4.30	23.8	1880	6.71	7080	3.9	4.60	
E5266403	0.02	5.7	0.061	<0.02	6.30	15.4	209	11.0	175	9.4	0.031	
E5266404	0.01	4.3	<0.005	0.09	19.4	1.8	21.8	6.40	21.3	2.9	0.007	
E5266405	0.08	9.3	<0.005	0.05	12.1	2.7	7.31	9.09	41.7	3.5	<0.005	
E5266406	0.51	4.8	0.052	<0.02	8.07	15.4	2780	8.10	1020	6.9	0.371	
E5266407	0.02	8.5	0.058	<0.02	9.50	13.5	108	11.3	27.3	6.3	0.011	
E5266408	0.02	4.1	0.086	<0.02	2.90	15.7	28.0	5.92	18.9	3.2	0.006	
E5266409	0.37	4.1	0.032	<0.02	2.22	34.5	1750	2.64	62.0	5.8	0.405	
E5266410	0.02	9.0	0.255	0.49	1.53	52.7	16.6	6.92	57.0	1.1	<0.005	
E5266411	0.01	13.0	0.006	0.05	10.2	2.3	12.0	8.68	16.1	3.9	0.006	
E5266412	1.42	9.0	0.080	0.36	2.74	32.5	2780	19.1	42.6	1.6	0.285	
E5266413	0.03	9.5	0.200	0.37	1.52	44.0	18.8	6.62	53.7	0.7	<0.005	
E5266414	0.01	3.4	0.102	<0.02	0.72	15.2	7.78	5.70	18.8	3.0	<0.005	
E5266415	0.02	4.2	0.042	<0.02	1.17	5.4	13.0	5.68	6.0	3.0	<0.005	
E5266416	<0.01	5.3	0.062	<0.02	3.20	9.5	3.03	6.47	7.6	2.9	<0.005	
E5266417	<0.01	1.2	0.355	0.08	0.61	55.7	8.11	6.72	32.3	5.7	<0.005	
E5266418	<0.01	2.9	0.213	<0.02	1.45	23.1	3.40	5.85	6.7	11.1	<0.005	
E5266419	0.05	<0.1	<0.005	<0.02	1.88	9.7	2.68	0.40	0.7	0.6	<0.005	
E5266420	<0.01	6.4	0.059	0.03	1.42	8.5	4.58	6.02	10.0	2.2	<0.005	
E5266421	0.02	8.2	0.121	0.03	4.05	18.5	5.54	8.05	1020	4.1	<0.005	
E5266422	0.02	8.9	0.100	<0.02	3.73	18.8	118	9.82	35.3	9.9	0.013	
E5266423	0.02	6.9	0.066	<0.02	2.88	11.7	193	5.87	91.6	3.7	0.018	
E5266424	<0.01	5.0	0.136	<0.02	3.11	15.5	26.9	7.04	17.8	2.3	0.007	
E5266425	0.02	7.0	0.006	0.04	22.7	3.3	1.02	4.66	11.3	4.8	<0.005	
E5266426	<0.01	5.1	0.113	<0.02	2.86	18.5	3.92	6.48	17.4	3.2	<0.005	
E5266427	0.01	3.7	0.075	<0.02	2.24	9.8	3.76	5.82	6.8	4.8	<0.005	
E5266428	0.02	1.7	0.262	<0.02	1.03	24.9	19.6	5.07	21.6	5.4	<0.005	
E5266429	0.02	2.2	0.241	<0.02	1.57	22.0	7.59	6.52	9.5	5.3	<0.005	
E5266430	0.37	2.7	0.336	0.03	2.00	43.2	6490	5.41	3540	5.2	1.05	
E5266431	0.07	2.1	0.280	0.11	1.15	29.8	927	5.28	35.6	5.9	0.085	
E5266432	1.54	7.2	0.088	0.93	2.15	30.4	1750	13.4	4030	1.8	3.39	

Certified By:



## Certificate of Analysis

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Sep 27, 2011

DATE RECEIVED: Sep 27, 2011

DATE REPORTED: Oct 13, 2011

SAMPLE TYPE: Rock

Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	W-FUSION	Zn Fusion
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	0.005	0.005
E5266433	0.02	4.1	0.019	0.11	15.2	5.1	106	6.10	155	7.3	0.018	

Comments: RDL - Reported Detection Limit

Certified By:

*Ron Cardinali*

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis											
RPT Date: Oct 13, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
									Lower	Upper	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	2743407	0.084	0.092	9.1%	0.02			80%	120%	
Al	1	2743432	3.07	3.10	1.0%	< 0.01			80%	120%	
As	1	2743407	0.41	0.46	11.5%	0.1			80%	120%	
Au	1	2743407	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
B	1	2743407	< 5	< 5	0.0%	< 5			80%	120%	
Ba	1	2743432	30	30	0.0%	< 1			80%	120%	
Be	1	2743407	0.48	0.50	4.1%	< 0.05			80%	120%	
Bi	1	2743407	0.620	0.667	7.3%	< 0.01			80%	120%	
Ca	1	2743432	7.62	7.61	0.1%	< 0.01			80%	120%	
Cd	1	2743407	0.23	0.23	0.0%	< 0.01			80%	120%	
Ce	1	2743407	17.1	19.2	11.6%	0.01			80%	120%	
Co	1	2743407	6.6	6.7	1.5%	< 0.1			80%	120%	
Cr	1	2743432	82.3	82.3	0.0%	< 0.5			80%	120%	
Cs	1	2743407	0.14	0.14	0.0%	< 0.05			80%	120%	
Cu	1	2743432	19.3	18.7	3.2%	< 0.1	3870	3800	101%	80%	120%
Fe	1	2743432	1.20	1.19	0.8%	< 0.01			80%	120%	
Ga	1	2743407	3.75	4.08	8.4%	< 0.05			80%	120%	
Ge	1	2743407	0.07	0.10		< 0.05			80%	120%	
Hf	1	2743407	0.10	0.11	9.5%	< 0.02			80%	120%	
Hg	1	2743407	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
In	1	2743407	0.009	0.009	0.0%	< 0.005			80%	120%	
K	1	2743432	0.07	0.07	0.0%	< 0.01			80%	120%	
La	1	2743407	8.4	9.5	12.3%	< 0.1			80%	120%	
Li	1	2743407	4.41	4.51	2.2%	< 0.1			80%	120%	
Mg	1	2743432	0.20	0.20	0.0%	< 0.01			80%	120%	
Mn	1	2743432	391	393	0.5%	< 1			80%	120%	
Mo	1	2743407	1.79	3.03		0.18			80%	120%	
Na	1	2743432	0.125	0.124	0.8%	< 0.01			80%	120%	
Nb	1	2743407	2.82	3.08	8.8%	< 0.05			80%	120%	
Ni	1	2743407	12.5	12.3	1.6%	< 0.2			80%	120%	
P	1	2743432	565	566	0.2%	< 10			80%	120%	
Pb	1	2743407	21.9	22.5	2.7%	< 0.1			80%	120%	
Rb	1	2743407	0.3	0.3	0.0%	< 0.1	11	13	84%	80%	120%
Re	1	2743407	0.002	0.002	0.0%	< 0.001			80%	120%	
S	1	2743432	0.437	0.437	0.0%	< 0.005			80%	120%	
Sb	1	2743407	0.157	0.151	3.9%	< 0.05			80%	120%	
Sc	1	2743407	1.23	1.42	14.3%	< 0.1			80%	120%	
Se	1	2743407	< 0.2	< 0.2	0.0%	< 0.2			80%	120%	
Sn	1	2743407	2.37	2.65	11.2%	< 0.2			80%	120%	
Sr	1	2743432	1090	1080	0.9%	< 0.2	399	390	102%	80%	120%
Ta	1	2743407	0.03	0.03	0.0%	< 0.01			80%	120%	
Te	1	2743407	< 0.01	< 0.01	0.0%	0.29			80%	120%	
Th	1	2743407	2.70	3.07	12.8%	< 0.1			80%	120%	
Ti	1	2743432	0.106	0.108	1.9%	< 0.005			80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)												
RPT Date: Oct 13, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Tl	1	2743407	< 0.02	< 0.02	0.0%	< 0.02				80%	120%	
U	1	2743407	0.719	0.797	10.3%	< 0.05				80%	120%	
V	1	2743432	21.7	21.4	1.4%	< 0.5				80%	120%	
W	1	2743407	1.12	0.96	15.4%	< 0.05				80%	120%	
Y	1	2743407	4.52	5.06	11.3%	< 0.05				80%	120%	
Zn	1	2743432	91.8	87.2	5.1%	< 0.5				80%	120%	
Zr	1	2743407	2.31	2.69	15.2%	< 0.5				80%	120%	
W-FUSION	1	2743417	7.61	7.44	2.3%	< 0.005	1.048	1.04	100%	100%	100%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	2743457	0.10	0.12	18.2%	< 0.01				80%	120%	
Al	1	2743457	2.77	2.87	3.5%	< 0.01				80%	120%	
As	1	2743457	0.57	0.54	5.4%	0.3				80%	120%	
Au	1	2743457	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	2743457	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	2743457	33	34	3.0%	< 1				80%	120%	
Be	1	2743457	1.08	1.09	0.9%	< 0.05				80%	120%	
Bi	1	2743457	1.02	0.975	4.5%	0.01				80%	120%	
Ca	1	2743457	5.27	5.34	1.3%	< 0.01				80%	120%	
Cd	1	2743457	0.21	0.21	0.0%	< 0.01				80%	120%	
Ce	1	2743457	23.0	23.7	3.0%	< 0.01				80%	120%	
Co	1	2743457	7.7	7.5	2.6%	< 0.1				80%	120%	
Cr	1	2743457	72.8	77.2	5.9%	< 0.5				80%	120%	
Cs	1	2743457	0.35	0.34	2.9%	< 0.05				80%	120%	
Cu	1	2743457	12.7	13.1	3.1%	< 0.1	3874	3800	101%	80%	120%	
Fe	1	2743457	1.19	1.17	1.7%	< 0.01				80%	120%	
Ga	1	2743457	8.94	9.01	0.8%	< 0.05				80%	120%	
Ge	1	2743457	0.19	0.20	5.1%	0.11				80%	120%	
Hf	1	2743457	0.15	0.15	0.0%	< 0.02				80%	120%	
Hg	1	2743457	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
In	1	2743457	0.016	0.016	0.0%	< 0.005				80%	120%	
K	1	2743457	0.02	0.02	0.0%	< 0.01				80%	120%	
La	1	2743457	11.7	11.9	1.7%	< 0.1				80%	120%	
Li	1	2743457	15.1	15.1	0.0%	< 0.1				80%	120%	
Mg	1	2743457	0.20	0.20	0.0%	< 0.01				80%	120%	
Mn	1	2743457	276	292	5.6%	< 1				80%	120%	
Mo	1	2743457	2.89	2.60	10.6%	< 0.05				80%	120%	
Na	1	2743457	0.262	0.268	2.3%	< 0.01				80%	120%	
Nb	1	2743457	2.44	2.58	5.6%	< 0.05				80%	120%	
Ni	1	2743457	18.0	17.2	4.5%	< 0.2				80%	120%	
P	1	2743457	430	435	1.2%	< 10				80%	120%	
Pb	1	2743457	23.1	24.6	6.3%	< 0.1				80%	120%	
Rb	1	2743457	0.7	0.7	0.0%	< 0.1				80%	120%	
Re	1	2743457	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.  
 PROJECT NO: FOX

AGAT WORK ORDER: 11V533148  
 ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)											
RPT Date: Oct 13, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
						Lower				Upper	
S	1	2743457	0.326	0.320	1.9%	< 0.005				80%	120%
Sb	1	2743457	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Sc	1	2743457	2.2	2.3	4.4%	< 0.1				80%	120%
Se	1	2743457	0.2	0.2	0.0%	< 0.2				80%	120%
Sn	1	2743457	3.50	3.67	4.7%	< 0.2				80%	120%
Sr	1	2743457	881	883	0.2%	< 0.2	298	310	96%	80%	120%
Ta	1	2743457	0.052	0.055	5.6%	< 0.01				80%	120%
Te	1	2743457	< 0.01	0.01		< 0.01				80%	120%
Th	1	2743457	3.6	3.7	2.7%	< 0.1				80%	120%
Ti	1	2743457	0.121	0.128	5.6%	< 0.005				80%	120%
Tl	1	2743457	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
U	1	2743457	0.81	0.83	2.4%	< 0.05				80%	120%
V	1	2743457	16.0	17.1	6.6%	< 0.5				80%	120%
W	1	2743457	10.2	9.86	3.4%	1.03				80%	120%
Y	1	2743457	5.99	6.27	4.6%	< 0.05				80%	120%
Zn	1	2743457	22.2	22.7	2.2%	< 0.5				80%	120%
Zr	1	2743457	3.41	3.47	1.7%	< 0.5				80%	120%
W-FUSION	1	2743444	1.227	1.202	2.1%	< 0.005	1.071	1.04	102%	90%	100%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	2743482	0.06	0.06	0.0%	< 0.01				80%	120%
Al	1	2743482	0.26	0.26	0.0%	< 0.01				80%	120%
As	1	2743482	0.5	0.4	22.2%	< 0.1				80%	120%
Au	1	2743482	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	2743482	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	2743482	16	16	0.0%	< 1				80%	120%
Be	1	2743482	0.61	0.62	1.6%	< 0.05				80%	120%
Bi	1	2743482	1.05	1.26	18.2%	< 0.01				80%	120%
Ca	1	2743482	0.28	0.28	0.0%	< 0.01				80%	120%
Cd	1	2743482	0.062	0.067	7.8%	< 0.01				80%	120%
Ce	1	2743482	25.8	26.3	1.9%	< 0.01				80%	120%
Co	1	2743482	1.0	1.0	0.0%	< 0.1				80%	120%
Cr	1	2743482	84.3	85.6	1.5%	< 0.5				80%	120%
Cs	1	2743482	0.44	0.44	0.0%	< 0.05				80%	120%
Cu	1	2743482	15.3	14.7	4.0%	< 0.1	3819	3800	100%	80%	120%
Fe	1	2743482	0.64	0.64	0.0%	< 0.01				80%	120%
Ga	1	2743482	1.81	1.87	3.3%	< 0.05				80%	120%
Ge	1	2743482	0.126	0.115	9.1%	< 0.05				80%	120%
Hf	1	2743482	0.21	0.22	4.7%	< 0.02				80%	120%
Hg	1	2743482	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	2743482	0.0094	0.0098	4.2%	< 0.005				80%	120%
K	1	2743482	0.10	0.10	0.0%	< 0.01				80%	120%
La	1	2743482	13.2	13.5	2.2%	< 0.1				80%	120%
Li	1	2743482	7.51	7.56	0.7%	< 0.1				80%	120%

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.  
 PROJECT NO: FOX

AGAT WORK ORDER: 11V533148  
 ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)												
RPT Date: Oct 13, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
										Lower	Upper	
Mg	1	2743482	0.04	0.04	0.0%	< 0.01			80%	120%		
Mn	1	2743482	95	96	1.0%	< 1			80%	120%		
Mo	1	2743482	2.11	1.93	8.9%	< 0.05			80%	120%		
Na	1	2743482	0.064	0.065	1.6%	< 0.01			80%	120%		
Nb	1	2743482	0.82	0.79	3.7%	< 0.05			80%	120%		
Ni	1	2743482	2.1	2.1	0.0%	< 0.2			80%	120%		
P	1	2743482	85	84	1.2%	< 10			80%	120%		
Pb	1	2743482	8.7	8.9	2.3%	< 0.1			80%	120%		
Rb	1	2743482	7.2	7.3	1.4%	< 0.1			80%	120%		
Re	1	2743482	< 0.001	< 0.001	0.0%	< 0.001			80%	120%		
S	1	2743482	0.247	0.240	2.9%	< 0.005			80%	120%		
Sb	1	2743482	0.042	0.050	17.4%	< 0.05			80%	120%		
Sc	1	2743482	1.1	1.1	0.0%	< 0.1			80%	120%		
Se	1	2743482	0.3	0.3	0.0%	< 0.2			80%	120%		
Sn	1	2743482	0.74	0.77	4.0%	< 0.2			80%	120%		
Sr	1	2743482	16.9	17.4	2.9%	< 0.2	293	290	101%	80%	120%	
Ta	1	2743482	< 0.01	< 0.01	0.0%	< 0.01			80%	120%		
Te	1	2743482	0.01	0.01	0.0%	< 0.01			80%	120%		
Th	1	2743482	13.0	13.3	2.3%	< 0.1			80%	120%		
Ti	1	2743482	0.006	0.006	0.0%	< 0.005			80%	120%		
Tl	1	2743482	0.05	0.05	0.0%	< 0.02			80%	120%		
U	1	2743482	10.2	10.9	6.6%	< 0.05			80%	120%		
V	1	2743482	2.27	2.22	2.2%	< 0.5			80%	120%		
W	1	2743482	12.0	11.4	5.1%	< 0.05			80%	120%		
Y	1	2743482	8.68	8.94	3.0%	< 0.05		7	80%	120%		
Zn	1	2743482	16.1	16.7	3.7%	< 0.5			80%	120%		
Zr	1	2743482	3.91	4.18	6.7%	< 0.5			80%	120%		

Certified By: \_\_\_\_\_

*Ron Cardinal*

## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

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

## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V533148

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Y	MIN-200-12017		ICP-MS
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
W-FUSION	MIN-200-12001		ICP/OES
Zn Fusion	MIN-200-12001		ICP/OES

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

ATTENTION TO: DAVID BLANN

PROJECT NO: FOX

AGAT WORK ORDER: 11V524555

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

DATE REPORTED: Sep 14, 2011

PAGES (INCLUDING COVER): 8

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

\*NOTES

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



## Certificate of Analysis

AGAT WORK ORDER: 11V524555

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011		DATE RECEIVED: Aug 31, 2011				DATE REPORTED: Sep 14, 2011				SAMPLE TYPE: Soil				
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
RDL:	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
FX11 BKS-1	0.43	0.63	2.13	69.2	<0.01	<5	174	0.94	1.31	0.59	0.32	39.5	14.5	38.7
FX11 BKS-2	0.58	0.23	1.24	13.9	<0.01	<5	86	0.94	1.33	0.28	0.41	36.0	8.6	26.6
FX11 BKS-3	0.55	0.32	1.52	22.2	<0.01	<5	106	1.47	1.44	0.21	0.63	30.3	15.0	20.6
FX11 BKS-4	0.43	0.24	1.17	11.0	<0.01	<5	93	0.58	0.93	0.17	0.09	29.8	6.7	16.4
FX11 BKS-5	0.54	0.18	1.02	2.4	<0.01	<5	70	0.39	2.66	0.36	0.10	39.9	8.2	21.4
FX11 BKS-6	0.35	0.38	1.50	0.6	<0.01	<5	90	0.54	0.32	0.67	0.12	32.5	8.1	31.2
FX11 BKS-7	0.48	0.23	1.20	15.7	<0.01	<5	105	0.47	0.86	0.22	0.08	37.7	8.6	20.2
FX11 BKS-8	0.47	0.20	1.20	16.3	<0.01	<5	97	0.41	0.48	0.28	0.07	37.5	8.6	23.3
FX11 BKS-9	0.50	0.20	0.85	6.8	<0.01	<5	68	0.39	1.10	0.25	0.10	32.6	7.6	14.7
FX11 BKS-10	0.44	0.45	0.50	8.8	<0.01	<5	39	0.30	0.60	0.23	0.15	24.5	3.2	8.3
FX11 BKS-11	0.47	0.29	1.10	17.1	<0.01	<5	82	0.84	1.22	0.33	0.34	30.8	7.0	17.6
FX11 BKS-12	0.55	0.48	1.08	15.6	<0.01	<5	68	1.86	5.81	0.26	1.15	34.6	14.6	15.7
FX11 BKS-13	0.44	0.50	1.39	3.5	<0.01	<5	91	1.57	1.48	0.28	0.70	38.3	5.8	18.9
FX11 BKS-14	0.35	0.57	2.27	4.1	<0.01	<5	165	1.78	2.63	0.37	1.07	47.8	8.1	30.4

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V524555

PROJECT NO: FOX

5623 McADAM ROAD  
MISSISSAUGA, ONTARIO  
CANADA L4Z 1N9  
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<http://www.agatlabs.com>

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011	DATE RECEIVED: Aug 31, 2011					DATE REPORTED: Sep 14, 2011					SAMPLE TYPE: Soil				
Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
Sample Description RDL:	0.05	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	
FX11 BKS-1	8.45	103	3.38	8.03	0.17	0.04	0.04	0.026	0.66	21.3	59.3	0.78	541	1.53	
FX11 BKS-2	8.08	94.8	2.01	4.59	0.08	0.02	0.02	0.018	0.25	19.8	35.8	0.36	309	2.11	
FX11 BKS-3	7.19	60.7	2.02	5.25	0.07	0.02	0.04	0.019	0.19	14.4	38.6	0.33	551	1.97	
FX11 BKS-4	2.65	12.4	1.49	4.58	0.05	<0.02	0.02	0.014	0.26	14.7	30.4	0.31	285	1.03	
FX11 BKS-5	2.45	22.4	2.02	4.20	0.08	0.02	0.02	0.014	0.29	20.4	26.6	0.37	324	0.67	
FX11 BKS-6	2.82	23.7	2.34	6.10	0.12	<0.02	0.03	0.023	0.28	16.6	45.0	0.53	426	1.22	
FX11 BKS-7	2.67	15.4	1.99	4.83	0.08	0.03	0.02	0.016	0.29	18.0	32.4	0.38	335	0.73	
FX11 BKS-8	3.19	44.6	2.26	5.13	0.09	<0.02	0.01	0.016	0.38	19.2	45.8	0.49	243	0.74	
FX11 BKS-9	2.71	14.4	1.70	3.52	0.07	<0.02	0.01	0.012	0.24	16.7	28.1	0.32	327	0.53	
FX11 BKS-10	2.75	9.6	0.80	2.00	0.06	0.03	0.02	0.007	0.09	13.8	16.1	0.14	158	0.59	
FX11 BKS-11	6.56	27.5	1.65	4.13	0.08	0.03	0.02	0.014	0.22	17.2	35.6	0.29	277	1.10	
FX11 BKS-12	6.43	39.2	1.22	4.87	0.06	0.03	0.05	0.018	0.13	20.5	42.9	0.19	423	3.33	
FX11 BKS-13	5.60	29.5	1.54	5.05	0.07	0.02	0.03	0.017	0.19	34.2	40.1	0.25	412	1.62	
FX11 BKS-14	6.23	29.6	2.33	7.68	0.09	0.03	0.04	0.028	0.34	33.3	62.3	0.38	459	2.28	
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
FX11 BKS-1	0.02	4.18	55.4	591	14.2	81.4	<0.001	0.059	0.76	4.6	1.8	11.8	59.7	<0.01	
FX11 BKS-2	0.01	2.34	30.7	369	12.0	36.2	<0.001	0.024	0.46	3.0	0.5	12.2	31.5	<0.01	
FX11 BKS-3	<0.01	2.52	21.2	350	11.1	35.3	<0.001	0.035	0.31	2.4	<0.2	6.3	22.1	<0.01	
FX11 BKS-4	<0.01	2.14	11.7	223	5.8	34.3	<0.001	0.016	0.25	2.0	0.3	1.1	17.2	<0.01	
FX11 BKS-5	0.01	2.12	18.6	657	5.4	34.8	<0.001	0.038	0.19	2.6	0.7	1.4	22.5	<0.01	
FX11 BKS-6	0.03	1.98	38.2	359	5.5	35.4	0.002	0.054	0.10	4.1	2.0	1.9	54.6	<0.01	
FX11 BKS-7	0.01	2.47	14.4	364	8.2	38.2	<0.001	0.022	0.23	2.7	0.4	1.1	22.6	<0.01	
FX11 BKS-8	0.01	2.89	19.1	535	7.0	50.6	<0.001	0.037	0.14	3.3	0.7	4.7	21.7	<0.01	
FX11 BKS-9	<0.01	1.93	13.6	418	4.9	32.2	<0.001	0.021	0.16	2.3	0.4	1.2	21.1	<0.01	
FX11 BKS-10	<0.01	1.08	8.3	355	3.2	13.3	<0.001	0.017	0.21	1.3	0.3	0.7	19.1	<0.01	
FX11 BKS-11	0.01	2.10	22.3	428	6.7	29.4	<0.001	0.028	0.47	2.5	0.6	2.0	33.9	<0.01	
FX11 BKS-12	<0.01	2.21	14.1	301	12.5	31.8	<0.001	0.032	0.36	2.3	0.8	8.3	35.3	<0.01	
FX11 BKS-13	0.01	2.23	13.1	290	9.4	29.3	<0.001	0.029	0.31	2.7	0.5	2.7	30.2	<0.01	
FX11 BKS-14	0.01	3.09	18.5	349	11.4	40.7	<0.001	0.029	0.35	4.2	0.8	2.4	45.6	<0.01	

Certified By:

*Ron Cardinal*



## Certificate of Analysis

AGAT WORK ORDER: 11V524555

PROJECT NO: FOX

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Aug 31, 2011	DATE RECEIVED: Aug 31, 2011					DATE REPORTED: Sep 14, 2011					SAMPLE TYPE: Soil
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5	
FX11 BKS-1	0.03	3.0	0.193	0.45	7.66	37.8	2.82	27.5	103	<0.5	
FX11 BKS-2	0.02	9.9	0.094	0.23	10.7	27.1	4.65	9.34	92.2	<0.5	
FX11 BKS-3	0.02	3.7	0.098	0.18	7.43	28.0	4.43	7.00	104	<0.5	
FX11 BKS-4	0.02	1.8	0.095	0.22	3.37	22.9	2.03	5.04	35.3	<0.5	
FX11 BKS-5	0.02	10.3	0.099	0.22	4.07	27.8	6.44	8.24	46.5	<0.5	
FX11 BKS-6	0.02	4.9	0.113	0.23	4.90	35.9	2.15	12.9	47.2	<0.5	
FX11 BKS-7	0.01	9.4	0.103	0.24	3.69	25.3	3.24	6.19	45.7	<0.5	
FX11 BKS-8	0.02	12.3	0.137	0.29	4.30	28.4	1.34	8.19	60.2	<0.5	
FX11 BKS-9	0.01	8.9	0.079	0.21	4.15	19.7	2.32	7.30	39.1	<0.5	
FX11 BKS-10	<0.01	5.5	0.041	0.10	5.38	11.3	7.69	5.69	22.1	<0.5	
FX11 BKS-11	0.02	4.7	0.083	0.20	11.9	23.0	5.19	9.78	53.1	<0.5	
FX11 BKS-12	0.02	1.6	0.059	0.24	14.4	17.7	4.93	12.7	70.5	<0.5	
FX11 BKS-13	0.02	5.0	0.087	0.20	19.1	23.7	2.82	18.9	54.9	<0.5	
FX11 BKS-14	0.03	5.3	0.122	0.30	22.7	33.4	4.12	20.0	97.4	<0.5	

Comments: RDL - Reported Detection Limit

Certified By:

*Ron Cardinali*

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V524555

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

Solid Analysis												
RPT Date: Sep 14, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits		
							Lower			Upper		
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)												
Ag	1	2666131	0.63	0.62	1.6%	0.12	35	35	99%	80%	120%	
Al	1	2666131	2.13	1.97	7.8%	< 0.01				80%	120%	
As	1	2666131	69.2	66.6	3.8%	0.4				80%	120%	
Au	1	2666131	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
B	1	2666131	< 5	< 5	0.0%	< 5				80%	120%	
Ba	1	2666131	174	155	11.6%	< 1				80%	120%	
Be	1	2666131	0.94	0.92	2.2%	< 0.05				80%	120%	
Bi	1	2666131	1.31	1.29	1.5%	< 0.01				80%	120%	
Ca	1	2666131	0.59	0.55	7.0%	< 0.01				80%	120%	
Cd	1	2666131	0.321	0.338	5.2%	< 0.01				80%	120%	
Ce	1	2666131	39.5	41.7	5.4%	< 0.01				80%	120%	
Co	1	2666131	14.5	14.0	3.5%	< 0.1				80%	120%	
Cr	1	2666131	38.7	35.1	9.8%	< 0.5				80%	120%	
Cs	1	2666131	8.45	8.59	1.6%	< 0.05				80%	120%	
Cu	1	2666131	103	87.8	15.9%	< 0.1	4977	5000	100%	80%	120%	
Fe	1	2666131	3.38	3.12	8.0%	< 0.01				80%	120%	
Ga	1	2666131	8.03	7.74	3.7%	< 0.05				80%	120%	
Ge	1	2666131	0.17	0.16	6.1%	< 0.05				80%	120%	
Hf	1	2666131	0.036	0.033	8.7%	< 0.02				80%	120%	
Hg	1	2666131	0.04	0.04	0.0%	< 0.01				80%	120%	
In	1	2666131	0.0259	0.0252	2.7%	< 0.005				80%	120%	
K	1	2666131	0.66	0.61	7.9%	< 0.01				80%	120%	
La	1	2666131	21.3	22.6	5.9%	< 0.1				80%	120%	
Li	1	2666131	59.3	59.1	0.3%	< 0.1				80%	120%	
Mg	1	2666131	0.783	0.704	10.6%	< 0.01				80%	120%	
Mn	1	2666131	541	477	12.6%	< 1				80%	120%	
Mo	1	2666131	1.53	1.46	4.7%	< 0.05				80%	120%	
Na	1	2666131	0.016	0.014	13.3%	< 0.01				80%	120%	
Nb	1	2666131	4.18	3.97	5.2%	< 0.05				80%	120%	
Ni	1	2666131	55.4	50.3	9.6%	< 0.2				80%	120%	
P	1	2666131	591	551	7.0%	< 10				80%	120%	
Pb	1	2666131	14.2	13.6	4.3%	< 0.1				80%	120%	
Rb	1	2666131	81.4	80.6	1.0%	< 0.1				80%	120%	
Re	1	2666131	< 0.001	< 0.001	0.0%	< 0.001				80%	120%	
S	1	2666131	0.0589	0.0533	10.0%	< 0.005				80%	120%	
Sb	1	2666131	0.762	0.802	5.1%	< 0.05				80%	120%	
Sc	1	2666131	4.6	4.6	0.0%	< 0.1				80%	120%	
Se	1	2666131	1.8	1.8	0.0%	< 0.2				80%	120%	
Sn	1	2666131	11.8	9.75	19.0%	< 0.2				80%	120%	
Sr	1	2666131	59.7	58.1	2.7%	< 0.2				80%	120%	
Ta	1	2666131	< 0.01	< 0.01	0.0%	< 0.01				80%	120%	
Te	1	2666131	0.03	0.03	0.0%	< 0.01				80%	120%	
Th	1	2666131	3.0	4.0	28.6%	< 0.1				80%	120%	
Ti	1	2666131	0.193	0.178	8.1%	< 0.005				80%	120%	

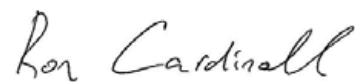
## Quality Assurance

 CLIENT NAME: HAPPY CREEK MINERALS LTD.  
 PROJECT NO: FOX

 AGAT WORK ORDER: 11V524555  
 ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)										
RPT Date: Sep 14, 2011		REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits
									Lower	Upper
Tl	1	2666131	0.45	0.45	0.0%	< 0.02			80%	120%
U	1	2666131	7.66	7.66	0.0%	< 0.05			80%	120%
V	1	2666131	37.8	34.2	10.0%	< 0.5			80%	120%
W	1	2666131	2.82	4.44		< 0.05			80%	120%
Y	1	2666131	27.5	26.8	2.6%	< 0.05		7	80%	120%
Zn	1	2666131	103	93.7	9.5%	< 0.5			80%	120%
Zr	1	2666131	< 0.5	< 0.5	0.0%	< 0.5			80%	120%

Certified By:



## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V524555

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

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

## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V524555

PROJECT NO: FOX

ATTENTION TO: DAVID BLANN

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

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

ATTENTION TO: DAVID BLANN

PROJECT NO: Fox

AGAT WORK ORDER: 11V543016

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

DATE REPORTED: Nov 07, 2011

PAGES (INCLUDING COVER): 8

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.



## Certificate of Analysis

AGAT WORK ORDER: 11V543016

PROJECT NO: Fox

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Oct 26, 2011

DATE RECEIVED: Oct 26, 2011

DATE REPORTED: Nov 07, 2011

SAMPLE TYPE: Soil

Sample Description	Analyte:	Sample	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Unit:	Login Weight	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	kg	0.01	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
FX11DS-1		0.44	0.08	1.39	3.2	<0.01	<5	100	0.45	0.09	0.27	0.18	36.1	96.0	60.3
FX11DS-2		0.40	0.09	1.47	0.8	<0.01	<5	59	0.46	0.16	0.10	0.04	26.6	7.0	47.7
FX11DS-3		0.39	0.08	0.94	1.7	<0.01	<5	67	0.51	0.10	0.14	0.13	23.4	35.6	14.9
FX11DS-4		0.26	0.04	0.51	0.5	<0.01	<5	29	0.11	0.03	0.23	0.07	12.6	2.9	35.0
FX11DS-5		0.64	0.07	1.17	1.2	<0.01	<5	57	0.25	0.12	0.21	0.10	24.3	20.4	104
FX11DS-6		0.48	0.08	1.32	1.3	<0.01	<5	62	0.35	0.11	0.24	0.11	24.3	13.0	83.9
FX11DS-7		0.55	0.09	1.23	0.9	<0.01	<5	65	0.53	0.12	0.20	0.11	29.4	19.7	48.5
FX11DS-8		0.56	0.10	1.43	1.8	<0.01	<5	72	0.40	0.15	0.24	0.17	29.1	36.0	75.4
FX11DS-9		0.46	0.08	1.55	2.9	<0.01	<5	83	0.45	0.14	0.27	0.19	32.6	35.2	70.9
FX11DS-10		0.73	0.06	1.22	2.5	<0.01	<5	58	0.31	0.16	0.33	0.16	26.2	24.5	131
FX11DS-11		0.53	0.05	1.15	1.8	<0.01	<5	60	0.31	0.10	0.22	0.13	22.4	25.8	56.3
Sample Description	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
RDL:	ppm	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
FX11DS-1		1.25	51.4	4.09	4.85	0.08	<0.02	0.03	0.011	0.14	15.5	17.9	0.57	6030	4.25
FX11DS-2		1.84	24.8	1.70	5.14	0.06	<0.02	0.06	0.009	0.19	13.8	15.2	0.48	156	1.20
FX11DS-3		1.29	17.0	4.19	3.22	0.07	<0.02	0.04	0.006	0.12	11.6	7.4	0.31	1660	1.19
FX11DS-4		0.47	6.1	0.46	1.52	0.06	<0.02	0.02	<0.005	0.05	6.8	6.4	0.20	71	0.30
FX11DS-5		1.24	16.4	2.26	3.84	0.07	<0.02	0.03	0.008	0.11	12.0	16.0	0.83	663	0.95
FX11DS-6		1.43	14.9	1.71	4.24	0.07	<0.02	0.03	0.009	0.12	12.5	17.7	0.62	303	0.82
FX11DS-7		1.52	12.0	1.45	3.94	0.07	<0.02	0.04	0.008	0.15	14.7	17.8	0.45	403	0.57
FX11DS-8		1.58	15.6	2.70	4.69	0.08	<0.02	0.04	0.011	0.13	13.6	18.3	0.60	1960	1.65
FX11DS-9		1.70	16.2	3.01	4.85	0.08	<0.02	0.04	0.012	0.16	15.1	21.1	0.66	1830	1.83
FX11DS-10		2.02	34.8	2.27	4.01	0.08	<0.02	0.04	0.008	0.14	13.1	22.8	2.21	716	0.91
FX11DS-11		1.26	16.6	2.22	3.62	0.06	<0.02	0.03	0.007	0.11	10.3	17.6	0.64	1440	1.62

Certified By:

*Ron Cardinal*

# Certificate of Analysis

AGAT WORK ORDER: 11V543016

PROJECT NO: Fox

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

CLIENT NAME: HAPPY CREEK MINERALS LTD.

ATTENTION TO: DAVID BLANN

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

DATE SAMPLED: Oct 26, 2011

DATE RECEIVED: Oct 26, 2011

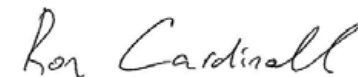
DATE REPORTED: Nov 07, 2011

SAMPLE TYPE: Soil

Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01
FX11DS-1	0.02	1.79	59.7	531	21.9	19.1	<0.001	0.036	0.07	2.4	0.3	22.1	15.0	<0.01
FX11DS-2	0.01	2.15	34.0	390	10.3	27.0	<0.001	0.052	<0.05	1.9	0.2	3.5	6.0	<0.01
FX11DS-3	<0.01	0.44	18.8	622	10.6	17.3	<0.001	0.084	0.08	0.9	0.4	2.1	17.5	<0.01
FX11DS-4	0.01	0.46	26.0	389	2.6	6.3	<0.001	0.048	<0.05	1.0	0.5	0.3	12.2	<0.01
FX11DS-5	0.02	0.92	102	298	5.7	17.0	<0.001	0.022	0.05	2.4	<0.2	2.0	12.5	<0.01
FX11DS-6	0.02	0.96	74.8	358	5.1	19.5	<0.001	0.032	0.06	2.4	<0.2	0.9	10.4	<0.01
FX11DS-7	0.01	1.06	35.1	334	5.5	25.3	<0.001	0.037	0.05	2.0	<0.2	0.8	10.6	<0.01
FX11DS-8	0.02	1.01	70.5	427	6.3	21.2	<0.001	0.031	0.05	2.4	<0.2	1.1	13.1	<0.01
FX11DS-9	0.02	1.21	77.9	582	6.5	24.4	<0.001	0.040	0.05	2.6	<0.2	1.1	16.6	<0.01
FX11DS-10	0.02	1.16	258	403	7.9	23.3	<0.001	0.037	0.09	3.3	0.3	7.1	17.3	<0.01
FX11DS-11	0.01	1.03	72.5	466	5.1	17.9	<0.001	0.022	<0.05	2.0	<0.2	2.1	12.3	<0.01
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr				
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm				
Sample Description RDL:	0.01	0.1	0.005	0.02	0.05	0.5	0.05	0.05	0.5	0.5				
FX11DS-1	<0.01	4.5	0.096	0.42	1.24	44.8	0.20	5.83	84.4	<0.5				
FX11DS-2	<0.01	1.6	0.103	0.19	1.48	30.8	0.11	3.90	39.1	<0.5				
FX11DS-3	<0.01	0.9	0.038	0.28	0.87	24.0	<0.05	3.69	43.0	<0.5				
FX11DS-4	<0.01	0.7	0.029	0.05	0.66	11.1	<0.05	3.86	17.9	<0.5				
FX11DS-5	<0.01	1.9	0.073	0.12	0.80	38.1	0.12	4.54	46.5	<0.5				
FX11DS-6	<0.01	1.2	0.076	0.14	0.92	33.5	0.14	4.98	40.0	<0.5				
FX11DS-7	<0.01	1.4	0.075	0.16	1.23	25.1	0.08	5.34	30.0	<0.5				
FX11DS-8	<0.01	1.8	0.081	0.19	1.02	40.7	0.12	5.29	47.0	<0.5				
FX11DS-9	<0.01	2.0	0.089	0.25	1.08	40.4	0.18	5.96	55.9	<0.5				
FX11DS-10	<0.01	2.8	0.073	0.17	1.40	40.6	0.17	6.11	60.9	<0.5				
FX11DS-11	<0.01	2.0	0.074	0.18	0.71	31.8	0.16	4.81	46.4	<0.5				

Comments: RDL - Reported Detection Limit

Certified By:



## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V543016

PROJECT NO: Fox

ATTENTION TO: DAVID BLANN

Solid Analysis											
RPT Date: Nov 07, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits	
									Lower	Upper	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	2844136	0.08	0.09	11.8%	0.01			80%	120%	
Al	1	2844136	1.39	1.29	7.5%	< 0.01			80%	120%	
As	1	2844136	3.24	3.41	5.1%	0.4			80%	120%	
Au	1	2844136	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
B	1	2844136	< 5	< 5	0.0%	< 5			80%	120%	
Ba	1	2844136	100	94	6.2%	< 1			80%	120%	
Be	1	2844136	0.45	0.48	6.5%	< 0.05			80%	120%	
Bi	1	2844136	0.09	0.09	0.0%	< 0.01			80%	120%	
Ca	1	2844136	0.266	0.244	8.6%	< 0.01			80%	120%	
Cd	1	2844136	0.178	0.171	4.0%	< 0.01			80%	120%	
Ce	1	2844136	36.1	35.7	1.1%	< 0.01			80%	120%	
Co	1	2844136	96.0	96.1	0.1%	< 0.1			80%	120%	
Cr	1	2844136	60.3	58.8	2.5%	< 0.5			80%	120%	
Cs	1	2844136	1.25	1.26	0.8%	< 0.05			80%	120%	
Cu	1	2844136	51.4	49.4	4.0%	< 0.1	4257	3800	112%	80%	120%
Fe	1	2844136	4.09	3.77	8.1%	< 0.01			80%	120%	
Ga	1	2844136	4.85	4.92	1.4%	< 0.05			80%	120%	
Ge	1	2844136	0.082	0.090	9.3%	< 0.05			80%	120%	
Hf	1	2844136	< 0.02	< 0.02	0.0%	< 0.02			80%	120%	
Hg	1	2844136	0.03	0.03	0.0%	< 0.01			80%	120%	
In	1	2844136	0.0113	0.0105	7.3%	< 0.005			80%	120%	
K	1	2844136	0.136	0.131	3.7%	< 0.01			80%	120%	
La	1	2844136	15.5	15.4	0.6%	< 0.1			80%	120%	
Li	1	2844136	17.9	18.5	3.3%	< 0.1			80%	120%	
Mg	1	2844136	0.57	0.55	3.6%	< 0.01			80%	120%	
Mn	1	2844136	6030	6030	0.0%	< 1			80%	120%	
Mo	1	2844136	4.25	4.10	3.6%	< 0.05			80%	120%	
Na	1	2844136	0.02	0.02	0.0%	< 0.01			80%	120%	
Nb	1	2844136	1.79	1.89	5.4%	< 0.05			80%	120%	
Ni	1	2844136	59.7	59.3	0.7%	< 0.2			80%	120%	
P	1	2844136	531	524	1.3%	< 10			80%	120%	
Pb	1	2844136	21.9	21.4	2.3%	< 0.1			80%	120%	
Rb	1	2844136	19.1	19.3	1.0%	< 0.1	13	13	103%	80%	120%
Re	1	2844136	< 0.001	< 0.001	0.0%	< 0.001			80%	120%	
S	1	2844136	0.0364	0.0344	5.6%	< 0.005			80%	120%	
Sb	1	2844136	0.072	0.077	6.7%	< 0.05			80%	120%	
Sc	1	2844136	2.4	2.4	0.0%	< 0.1			80%	120%	
Se	1	2844136	0.28	0.21	28.6%	< 0.2	0.7	0.8	86%	80%	120%
Sn	1	2844136	22.1	21.6	2.3%	< 0.2			80%	120%	
Sr	1	2844136	15.0	15.4	2.6%	< 0.2	313	390	80%	80%	120%
Ta	1	2844136	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
Te	1	2844136	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
Th	1	2844136	4.5	4.1	9.3%	< 0.1	1.2	1.4	84%	80%	120%
Ti	1	2844136	0.096	0.092	4.3%	< 0.005			80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V543016

PROJECT NO: Fox

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)											
RPT Date: Nov 07, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Tl	1	2844136	0.422	0.415	1.7%	< 0.02			80%	120%	
U	1	2844136	1.24	1.23	0.8%	< 0.05			80%	120%	
V	1	2844136	44.8	44.7	0.2%	< 0.5			80%	120%	
W	1	2844136	0.202	0.240	17.2%	< 0.05			80%	120%	
Y	1	2844136	5.83	5.68	2.6%	< 0.05			80%	120%	
Zn	1	2844136	84.4	85.8	1.6%	< 0.5			80%	120%	
Zr	1	2844136	< 0.5	< 0.5	0.0%	< 0.5			80%	120%	
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	2844146	0.05	0.05	0.0%	< 0.01			80%	120%	
Al	1	2844146	1.15	1.13	1.8%	< 0.01			80%	120%	
As	1	2844146	1.82	1.89	3.8%	< 0.1			80%	120%	
Au	1	2844146	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
B	1	2844146	< 5	< 5	0.0%	< 5			80%	120%	
Ba	1	2844146	60	60	0.0%	< 1			80%	120%	
Be	1	2844146	0.314	0.338	7.4%	< 0.05			80%	120%	
Bi	1	2844146	0.10	0.10	0.0%	< 0.01			80%	120%	
Ca	1	2844146	0.224	0.231	3.1%	< 0.01			80%	120%	
Cd	1	2844146	0.134	0.135	0.7%	< 0.01			80%	120%	
Ce	1	2844146	22.4	26.2	15.6%	< 0.01			80%	120%	
Co	1	2844146	25.8	25.9	0.4%	< 0.1			80%	120%	
Cr	1	2844146	56.3	63.2	11.5%	< 0.5			80%	120%	
Cs	1	2844146	1.26	1.30	3.1%	< 0.05			80%	120%	
Cu	1	2844146	16.6	17.3	4.1%	< 0.1			80%	120%	
Fe	1	2844146	2.22	2.17	2.3%	< 0.01			80%	120%	
Ga	1	2844146	3.62	3.66	1.1%	< 0.05			80%	120%	
Ge	1	2844146	0.06	0.07	15.4%	< 0.05			80%	120%	
Hf	1	2844146	< 0.02	< 0.02	0.0%	< 0.02			80%	120%	
Hg	1	2844146	0.03	0.03	0.0%	< 0.01			80%	120%	
In	1	2844146	0.007	0.007	0.0%	< 0.005			80%	120%	
K	1	2844146	0.11	0.11	0.0%	< 0.01			80%	120%	
La	1	2844146	10.3	12.3	17.7%	< 0.1			80%	120%	
Li	1	2844146	17.6	17.6	0.0%	< 0.1			80%	120%	
Mg	1	2844146	0.64	0.63	1.6%	< 0.01			80%	120%	
Mn	1	2844146	1440	1500	4.1%	< 1			80%	120%	
Mo	1	2844146	1.62	1.63	0.6%	< 0.05			80%	120%	
Na	1	2844146	0.01	0.01	0.0%	< 0.01			80%	120%	
Nb	1	2844146	1.03	1.03	0.0%	< 0.05			80%	120%	
Ni	1	2844146	72.5	77.2	6.3%	< 0.2			80%	120%	
P	1	2844146	466	504	7.8%	< 10			80%	120%	
Pb	1	2844146	5.14	5.31	3.3%	< 0.1			80%	120%	
Rb	1	2844146	17.9	18.2	1.7%	< 0.1			80%	120%	
Re	1	2844146	< 0.001	< 0.001	0.0%	< 0.001			80%	120%	
S	1	2844146	0.022	0.022	0.0%	< 0.005			80%	120%	

## Quality Assurance

CLIENT NAME: HAPPY CREEK MINERALS LTD.

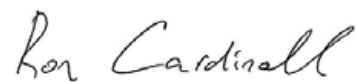
AGAT WORK ORDER: 11V543016

PROJECT NO: Fox

ATTENTION TO: DAVID BLANN

Solid Analysis (Continued)											
RPT Date: Nov 07, 2011			REPLICATE				Method Blank	REFERENCE MATERIAL			
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Result Value		Expect Value	Recovery	Acceptable Limits	
							Lower			Upper	
Sb	1	2844146	< 0.05	< 0.05	0.0%	< 0.05			80%	120%	
Sc	1	2844146	2.05	2.13	3.8%	< 0.1			80%	120%	
Se	1	2844146	< 0.2	< 0.2	0.0%	< 0.2			80%	120%	
Sn	1	2844146	2.1	2.1	0.0%	< 0.2			80%	120%	
Sr	1	2844146	12.3	11.3	8.5%	< 0.2			80%	120%	
Ta	1	2844146	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
Te	1	2844146	< 0.01	< 0.01	0.0%	< 0.01			80%	120%	
Th	1	2844146	2.04	2.20	7.5%	< 0.1			80%	120%	
Ti	1	2844146	0.0739	0.0768	3.8%	< 0.005			80%	120%	
Tl	1	2844146	0.182	0.191	4.8%	< 0.02			80%	120%	
U	1	2844146	0.710	0.845	17.4%	< 0.05			80%	120%	
V	1	2844146	31.8	34.6	8.4%	< 0.5			80%	120%	
W	1	2844146	0.164	0.169	3.0%	< 0.05			80%	120%	
Y	1	2844146	4.81	5.13	6.4%	< 0.05		7	80%	120%	
Zn	1	2844146	46.4	49.0	5.5%	< 0.5			80%	120%	
Zr	1	2844146	< 0.5	< 0.5	0.0%	< 0.5			80%	120%	

Certified By:



## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V543016

PROJECT NO: Fox

ATTENTION TO: DAVID BLANN

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

## Method Summary

CLIENT NAME: HAPPY CREEK MINERALS LTD.

AGAT WORK ORDER: 11V543016

PROJECT NO: Fox

ATTENTION TO: DAVID BLANN

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