



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

### TITLE OF REPORT: A GEOLOGICAL AND GEOCHEMICAL REPORT ON THE FOX PROPERTY

TOTAL COST: \$102,224

AUTHOR(S): Bob Lane

SIGNATURE(S):

A handwritten signature in blue ink, appearing to read "Bob Lane", written over a horizontal line.

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): n/a  
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 425942

YEAR OF WORK: 2008

PROPERTY NAME: Fox

CLAIM NAME(S) (on which work was done): 523002,523003,514263

COMMODITIES SOUGHT: tungsten, molybdenum

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: Clinton

NTS / BCGS: **093A.008**

LATITUDE: **52° 03' 05.7"**

LONGITUDE: **120° 29' 36.5"** (at centre of work)

UTM Zone: 10 EASTING: 0670000 NORTHING: 65774000

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

MAILING ADDRESS:

2300-1066 West Hastings street  
Vancouver, B.C.  
V6E 3X2

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

MAILING ADDRESS: Same

REPORT KEYWORDS: The Fox Property is underlain by Snowshoe Formation metasediments Paleozoic in age and cut by felsic intrusion Cretaceous in age. Hornfels, calc silicate, skarn and quartz veins contain pyrrhotite/pyrite, scheelite, sphalerite, and molybdenite, and associate tungsten, zinc and molybdenum values, respectively.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:  
10641, 27886, 28514, 28982, 26275A, 26609, 26611, 26943,

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)	1.5 Square kilometres	514263	15000
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	683 ICP-MS	514263	52224
Silt	14	514263,523002, 523003	15000
Rock	25	514263,523002, 523003	20000
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL	88 core samples		
Sampling / Assaying			
PREPARATORY / PHYSICAL	16.5		
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		<b>Total Cost</b>	<b>\$102224.00</b>

**A GEOLOGICAL AND GEOCHEMICAL REPORT**

**ON THE  
FOX PROPERTY**

**BC Geological Survey  
Assessment Report  
30824**

**CARIBOO MINING DIVISION**

**BRITISH COLUMBIA**

**BCGS MAPSHEET: 093A.008**

**52° 03' 05.7" N  
120° 29' 36.5" W**

PREPARED FOR

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February 2009

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## 1. SUMMARY

The Fox property is located approximately 70 km northeast of the town of 100 Mile House in the south-central Cariboo region of British Columbia. The property is comprised of MTO cell claims that cover 24,260 ha of land in the Cariboo Mining Division. Access to the property is provided by paved and well-maintained gravel roads.

The property is underlain primarily by schistose and layered metasedimentary rocks of the Late Proterozoic-Early Paleozoic Snowshoe Group comprised of fine to medium grained biotite schist, quartz-biotite schist, lesser intercalated gneiss, limestone, quartzite and locally skarned calc-silicate. The layered assemblage is irregularly intruded by the mid-Cretaceous Deception stock that compositionally varies from quartz monzonite to granite. Numerous dykes, plugs and sills of variable intrusive composition, including aplitic, pegmatitic and granitic phases, cut the metasedimentary assemblage up to many hundreds of metres from the main carapace. The Fox property is host to parallel zones of metasomatic skarn mineralization that are locally mineralized with significant tungsten and lesser molybdenite. These zones appear to fringe the Deception stock in close proximity to the often diffuse intrusive contact. Molybdenite mineralization encountered in the underlying Deception stock gives rise to the potential for porphyry mineralization.

Recorded exploration in the area dates back to 1982 when Mattagami Mines identified anomalous tungsten values in soil in the Deception Mountain area. In 1997, prospecting by D. and C. Ridley identified calc-silicates and hornfels along newly constructed logging roads in the Deception Creek area. Additional intermittent prospecting and geochemical sampling expanded the potential of the area and located the Discovery molybdenum zone. In 2005, Happy Creek Minerals Ltd optioned the property and for the next three years continued to assess the area leading to the discovery of new showings, including the adjacent Nightcrawler and Creek zones and several zones in the Ridley Creek area (Black, Blann, and Ridley Creek).

Geological mapping in 2006 identified outcrop and subcrop on the eastern flank of Deception Mountain (the Ridley Creek area) that contained calc-silicate and tungsten skarn mineralization in intensely folded schists, proximal to the northern contact of the Deception stock. First pass rock geochemical sampling of calc-silicate altered schist returned significant tungsten values in outcrop. A grab sample from tightly folded skarn cut by granite dykes returned 0.26% tungsten. Other samples from subcrop and angular float returned 0.13% and 0.17% tungsten. The Ridley Creek area demonstrates the expanded potential for tungsten skarns around the carapace of the Deception stock and increases the strike length of favorable host geology to more than four kilometers from the Discovery-Nightcrawler-Creek zones further to the south.

In 2007 the company completed more than 700 metres of trenching and over 3800 metres of diamond drilling in 13 widely-spaced bore holes focused on the Discovery-Nightcrawler-Creek zones on the south periphery of the Deception stock. The drilling intersected multiple zones of encouraging skarn-hosted tungsten mineralization and narrow intervals of moderate to high grade molybdenum mineralization, in both skarn and quartz monzonite host rocks. Results included hole 07F-05 which intersected multiple horizons of mineralized skarn at the Nightcrawler zone, including: 2.0 m of 0.75%  $WO_3$  at a downhole depth of 28.8m, and; 3.0 m of 0.34%  $WO_3$  at a downhole depth of 87.0 m. Hole 07F-08 intersected multiple horizons of mineralized skarn at the Discovery zone, including: 7.0 m of 0.13%  $WO_3$  at a downhole depth of 236.8 m, and; 0.70 m of 0.30%  $WO_3$  at a downhole depth of 315.0 m. Limited drilling in the

underlying quartz monzonite stock at the Discovery zone returned: 0.85 m of 0.293% molybdenum at a downhole depth of 361.5 m in drill hole 07F-09, and; 3.9 m of 0.219% molybdenum at a downhole depth of 186.9 m in hole 07F-13.

Follow-up work on the Ridley Creek zone in 2007 identified scheelite mineralization in outcrop and angular float boulders that returned 0.88% W and 3.68% W, respectively. Vesuvianite and scheelite with trace molybdenite mineralization was identified at the Blann showing. It consisted of thin bands of oxidized calc-silicate skarn outcrop within a broader assemblage of skarn. Six samples collected from the Blann showing returned significant tungsten values, including 5.14% W and 5.64% W. Further north at the Black showing angular float boulders located downslope of prominent cliffs returned tungsten values of between 1.03% W and 3.69% W.

Scheelite and molybdenite mineralization tends to occur in bands of calc-silicate, comprised of variable amounts of garnet, pyroxene, amphibole, vesuvianite, quartz and calcite that have replaced pure or impure limestone. Higher concentrations of tungsten appear to be associated with density of quartz veining. Molybdenite also occurs in the intrusive stock and spatially related dykes and sills as fracture-controlled mineralization. The calc-silicate bands range from 1 cm to more than 6 metres in thickness and occur as an alternating sequence with schists, limestone and lesser amphibolite. Dykes and sills of quartz monzonite, alaskite, aplite, granite and pegmatite, as well as quartz veins, locally interrupt the layered metamorphic sequence.

The 2008 exploration program consisted of bedrock mapping over part of the Ridley Creek area to further expand the tungsten skarn prospectivity of the property. Grid-based soil sampling was conducted over a 2.5 by 2.5 km area that covers the northern contact area of the Deception stock. Mapping identified calc-silicate bands cut by granite dykes and lesser pegmatite, in close proximity with the Deception stock. Rock and silt geochemical sampling and prospecting covered the grid and a modest area beyond the limits of the grid.

The setting at Ridley Creek is believed to be similar to the prospective geology at the Discovery-Nightcrawler-Creek zones, on the southern carapace of the Deception stock. Vesuvianite-scheelite mineralization is hosted in skarned calc-silicate bands within a broader assemblage of intercalated, well foliated; locally tightly folded, metasediments. Drift cover in the area is prevalent and bedrock exposure limited, but prospecting and mapping of angular float has proven to be effective in locating tungsten mineralization and following up-ice or upslope.

Soil geochemistry revealed several distinct coincident or overlapping tungsten-molybdenum+/-bismuth patterns along with several small gold anomalies scattered intermittently around the grid. A strong northeast-trending tungsten soil anomaly was located in the north-central part of the soil grid and measures 1.2 km long by 350 m wide; with soil values consistently above the 95<sup>th</sup> percentile (>11 ppm W). The extreme northern limit of the anomaly coincides with the mapped Blann tungsten-molybdenum showing.

Several smaller, intermittent, tungsten anomalies are located further downslope from the main anomaly; and small pod-shaped bismuth anomalies, with partially coincident or overlapping molybdenum anomalies, appear to drape the main tungsten anomaly in a roughly radial pattern. Their orientation appears parallel to mapped calc-silicate bands and quartz veining found north of the soil grid.

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, and has soil values consistently above the 95<sup>th</sup> percentile (>10.8 ppm Mo). Several small, intermittent pods and clusters of tungsten, molybdenum and bismuth anomalies are located near the extreme southwest edge of the soil grid and could represent an assemblage of skarned metasediments under light cover and proximal to an outlier or apophyses of the main Deception stock. The main tungsten anomaly may represent a glacial dispersal train proximal to the Blann showing. However, limited map data suggests stratigraphy similar to the Blann showing could be found further to the southwest and presumably in closer proximity to the stock.

Silt geochemical sampling in a catchment basin northwest of the 2008 Ridley Creek soil grid returned 23.9 ppm W. Rock geochemical sampling confirmed the high grades of tungsten encountered previously at the Black and Ridley Creek zones and identified a prospective molybdenum zone on the west side of the Ridley Creek grid where a grab sample of molybdenite-bearing quartz veins hosted in muscovite-rich granite returned a value of 1973 ppm Mo.

Recommendations for follow-up include focused follow-up prospecting, mapping and geochemical sampling in the proximity of tungsten-molybdenum-bismuth soil anomalies in the central and southwest parts of the 2008 Ridley Creek grid. Follow-up of the anomalous silt and rock geochemical samples outbound of the known showings should also proceed. In addition, 500 m of surface trenching at the Black, Ridley Creek and Blann showings in the Ridley Creek area is recommended to further evaluate and delineate the mineralized zones.

Step-out and infill NQ drilling at the Discovery-Nightcrawler-Creek zones totaling 3500 meters is also recommended. Strong consideration should be given to planning and executing a multi-element radiometric airborne geophysical survey to map the intrusive contact and possibly identify anomalies that represent skarn and buried porphyry mineralization. The total proposed budget for the Fox property for the 2009 field season, excluding airborne geophysical surveys, is \$1.0 million.

## 2. INTRODUCTION AND TERMS OF REFERENCE

Happy Creek Minerals Ltd (Happy Creek) contracted Allnorth Consultants Limited to map the Ridley Creek grid area of the Fox property. It is understood that this report may be required for material disclosure. The authors acquired and reviewed available historical information including published and unpublished reports and personal files summarizing previous exploration work on the property, prior to sending an experienced geotechnician with bedrock mapping experience to the field. This report is supplemented by published and available studies that document bedrock mapping and geological fieldwork conducted by the Geological Survey Branch of the BC Ministry of Energy, Mines & Petroleum Resources.

## 3. PROPERTY DESCRIPTION AND LOCATION

### 3.1 Access and Infrastructure

The Fox property is located approximately 70 km northeast of the town of 100 Mile House in the south Cariboo region of central British Columbia (Figure 1). Access to the property is provided by paved and well-maintained gravel roads. Access from 100 Mile

House is via the Canim-Hendrix road, which leaves Highway 97 two km north of the town centre, and heads northeast for 50 km to service the small communities of Forest Grove and Eagle Creek. At the Eagle Creek bridge the pavement ends and the Hendrix Lake (6000) gravel road continues in a northeasterly direction for 16 km to its junction with the Spanish-Deception (7000) road. The 7000 road is followed in an easterly direction for 14 km to its junction with the No Name-Deception (7200) road. The 7200 road is followed northward for 14.5 km to the approximate centre of the property. Several spur roads provide access to the lower elevations of the property while the higher ground requires an arduous hike or helicopter-support.

### 3.2 Mineral Tenure Information

The Fox property is comprised of 56 contiguous MTO cell claims that cover 24,260 ha of land in the Cariboo Mining Division (Figure 2). 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 and covers part of 1:20,000 scale TRIM map sheet 093A.008. The approximate centre of the claim block is located at latitude 52°03'05.7"N and longitude 120°29'36.5"W. All of the tenures are 100%-owned by Happy Creek Minerals Ltd (Table 1).

### 3.3 Physiography and Climate

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

The climate is typical of the northern interior of British Columbia. Summer temperatures average a daytime high in the 20°C range with occasional temperatures reaching the low 30°C range. October through April sees average sub-zero temperatures with extreme lows reaching -30°C from November through March.

## 4. HISTORY

Recorded exploration in the project area dates back to 1981-82 when Mattagami Resources Ltd conducted a regional silt geochemical survey and follow-up prospecting and soil geochemical sampling. The exploration program was implemented to follow up a regional geochemical survey that identified anomalous tungsten concentrations in heavy mineral samples in the Deception Creek drainage system. The company's work identified a tungsten soil anomaly in proximity to a granitic intrusion (Deception stock) hosted by metasediments of the Snowshoe Group (Helsen, 1982).

Dave and Catherine Ridley located the southern contact of the Deception stock and adjacent skarn alteration in 1997 while prospecting along the newly constructed 7200 logging road. Follow-up work in 1999 included prospecting and geological mapping by D. and C. Ridley, D. Blann and D. Black. This work resulted in identification of garnet-bearing skarn, molybdenite mineralization in float, and subcrop of skarn anomalous in tungsten, molybdenum and zinc (the Discovery molybdenum zone); and precipitated the initial staking of the Fox mineral claims.

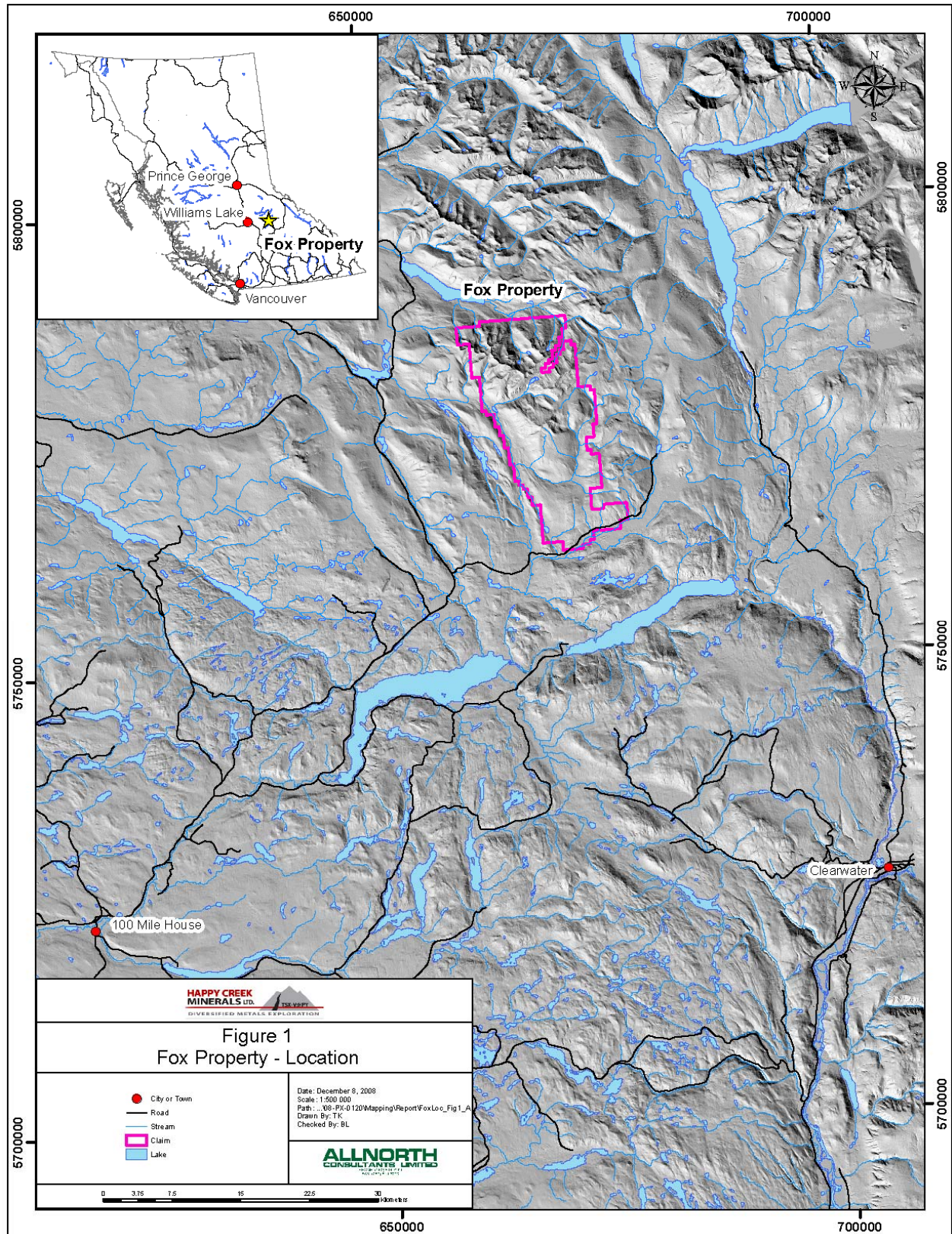


Figure 1. Fox Property Location.

Table 1. List of Mineral Tenures and Status (as of October 31, 2008)

Tenure Number	Claim Name	Mapsheet	Expiry Date	Area (ha)
514261	FOX	093A	2013/dec/31	1232.6
514263	FOX	093A	2013/dec/31	774.6
514269	FOX	093A	2013/dec/31	1232.0
514270	FOX	093A	2013/dec/31	119.3
514271	FOX	093A	2013/dec/31	119.3
514311	FOX	093A	2013/dec/31	39.7
523002	FOXNORTH-1	093A	2013/dec/31	496.3
523003	FOXNORTH-2	093A	2013/dec/31	496.3
523004	FOXNORTH-3	093A	2013/dec/31	496.1
523005	FOXNORTH-4	093A	2013/dec/31	496.1
523010	FOXNORTH-8	093A	2009/dec/31	496.3
523011	FOX SOUTH-1	093A	2013/dec/31	497.2
523013	FOX SOUTH-2	093A	2010/dec/31	497.5
523014	FOX SOUTH-3	092P	2010/dec/31	497.6
523017	FOX EAST-1	093A	2009/dec/31	496.9
523297	FOX SOUTH-4	093A	2009/dec/31	497.4
523298	FOX SOUTH-5	093A	2009/dec/31	437.7
534863	FOX TAIL	093A	2013/dec/31	496.7
535411	FOXOCUBE	093A	2013/dec/31	496.6
546263	FOXNW	093A	2009/dec/31	496.2
546268	FOX NE	093A	2009/dec/31	337.5
546271	FOX W	093A	2013/dec/31	198.6
552101	FOX FAR NORTHEAST	093A	2009/dec/31	456.4
552402	FOX BILL	093A	2009/dec/31	495.9
552403	FOXBILL2	093A	2009/dec/31	495.8
552575	FOXBILL 3	093A	2009/dec/31	495.9
553965	GOSSAN	093A	2009/dec/31	495.5
553966	GOSSAN 1	093A	2008/dec/31	396.4
554327	FOX NORTH 1	093A	2009/dec/31	496.2
554328	FOX NORTH 2	093A	2009/dec/31	476.1
554329	FOX NORTH 3	093A	2009/dec/31	476.0
554330	FOX NORTH 4	093A	2009/dec/31	475.9
554331	FOX NORTH 5	093A	2009/dec/31	475.9
554332	FOX NORTH 6	093A	2009/dec/31	455.9
554333	FOX NORTH 7	093A	2009/dec/31	495.5
554334	FOX NORTH 8	093A	2009/dec/31	416.3
554335	FOX NORTH 9	093A	2009/dec/31	495.6
554336	FOX NORTH 10	093A	2009/dec/31	496.5
554337	FOX NORTH 11	093A	2009/dec/31	496.3
554338	FOX NORTH 12	093A	2009/dec/31	496.1
554339	FOX NORTH 13	093A	2009/dec/31	495.8
554340	FOX NORTH 14	093A	2009/dec/31	475.9
554341	FOX NORTH 15	093A	2009/dec/31	475.6
554342	FOX NORTH 16	093A	2009/dec/31	475.5
554343	FOX NORTH 17	093A	2009/dec/31	475.5
554344	FOX NORTH 18	093A	2009/dec/31	356.6
559264	FOX NO NAME 1	093A	2008/dec/31	238.5
559265	FOX NONAME 1	093A	2013/dec/31	178.8
559266	FOX NONAME 2	093A	2013/dec/31	337.6
579867	FOXTUNG	093A	2009/mar/30	437.5
579868	FOXTUNG2	093A	2009/mar/30	497.4
579884	FOXTUNG3	093A	2009/mar/30	199.0
579888	FOXTUNG4	093A	2009/mar/30	79.6
Total Hectares				24,260.3

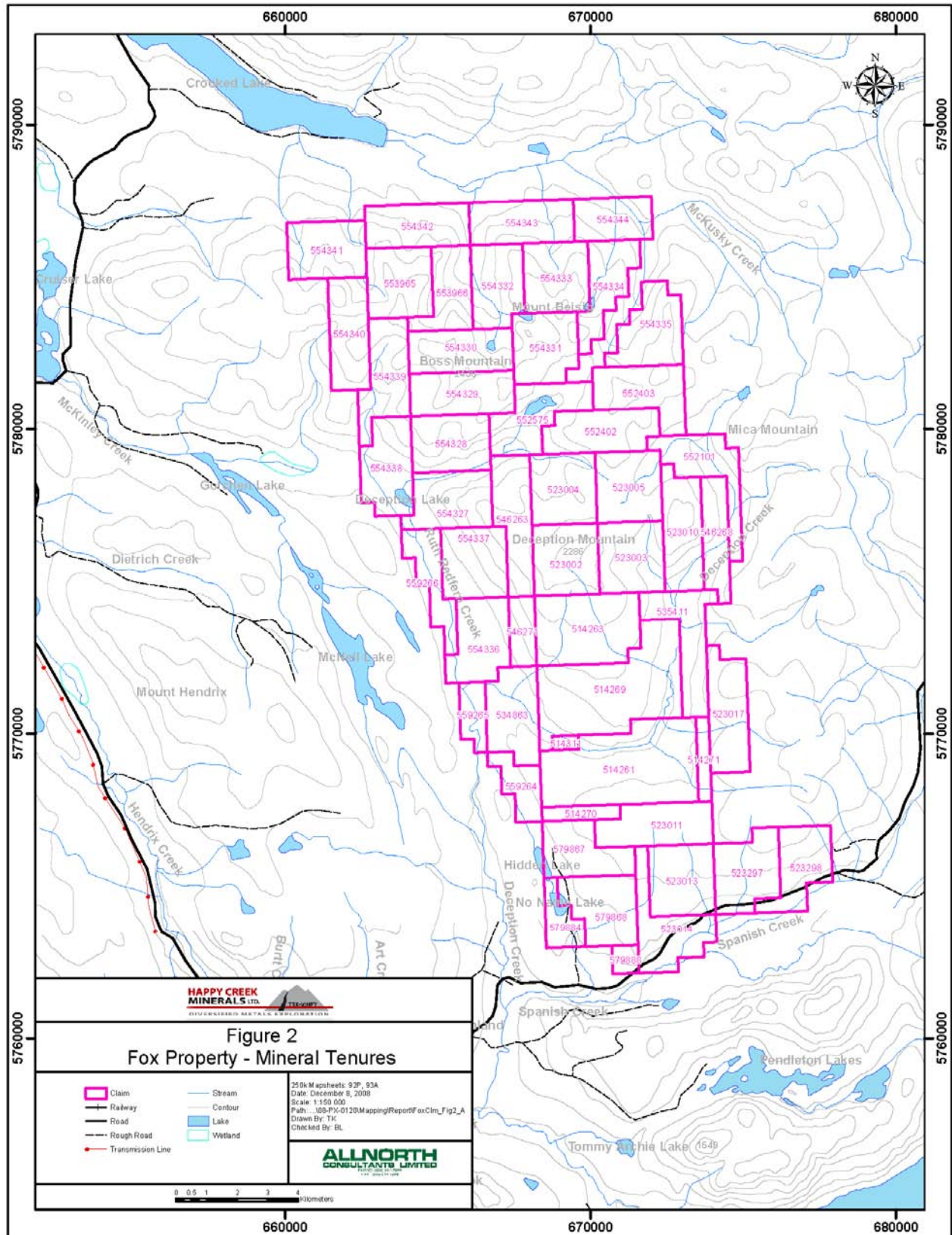


Figure 2. Fox Property Mineral Tenures.

Subsequent work conducted in 2000 included grid construction, soil geochemical surveys, ground magnetometer and VLF-EM geophysical surveys, and additional prospecting and claim staking. Ridley and Black outlined a broad area of hornfels and local skarn alteration along the southern margin of the Deception stock. Prospecting was carried out by Ridley and Black on the northern edge of the Deception stock and revealed skarn alteration, with several minor occurrences of tungsten, zinc and copper found.

Follow-up soil sampling in 2001 by Starcore Resources identified anomalous concentrations of tungsten in soil. The property was optioned to Happy Creek Minerals Ltd. in December 2004, and an exploration program comprising grid layout, soil and rock geochemical sampling, prospecting and geological mapping was carried out in 2005. This program led to the discovery of the Nightcrawler tungsten zone, 1 km east of the Discovery molybdenum zone, and Creek zone. The Ridley Creek zone, located approximately 4 km north of the Nightcrawler zone, was discovered in 2006 by Happy Creek and returned encouraging tungsten values from calc-silicate skarn and from stream sediments.

Happy Creek Minerals conducted a major exploration program in 2007, including prospecting, rock, silt and soil geochemistry, trenching and diamond drilling of 13 NQ holes targeted at the adjacent Nightcrawler-Discovery-Creek zones.

Trenching was of limited effectiveness due to overburden thickness and wet ground. Trenching was successful in tracing favourable calc-silicate beds for hundreds of meters in strike length, and did provide better control on orientation. Results from the Discovery – Nightcrawler zones included 2.7 m of 0.13%  $WO_3$  from trench 6a, 3.0 m of 0.21%  $WO_3$  in trench 6D (in bedrock). Sub-cropping skarn at the Discovery zone returned up to 12.8% molybdenum and 5.46%  $WO_3$  in grab samples taken from tabular blocks of subcrop within the till (Blann, 2008).

The drill program consisted of 13 widely spaced holes, on multiple targets, over an open strike length of 1.5 kilometers and a width of 500 m. Two holes targeted the Creek Zone, three in the Nightcrawler zone, and the remainder were within or along strike of the Discovery Zone. Drilling successfully intersected multiple zones of tungsten-bearing skarn within an approximately 100 meter thick package (Blann, 2008). The program was also successful in the identification of the major lithological and structural controls of tungsten and molybdenite mineralization and skarn alteration.

Some significant intersections are identified as follows. Hole 07F-02 intersected 0.12%  $WO_3$  over 2.0 m, at a downhole depth of 69 m, at the Creek zone. Hole 07F-05 intersected multiple horizons of mineralized skarn at the Nightcrawler zone: including 2.0 m of 0.75%  $WO_3$  at a downhole depth of 28.8 m; and 3.0 m of 0.34%  $WO_3$  at a downhole depth of 87.0 m. Hole 07F-08 intersected multiple horizons of mineralized skarn at the Discovery zone: including 7.0 m of 0.13%  $WO_3$  at a downhole depth of 236.8 m; and 0.70 m of 0.30%  $WO_3$  at a downhole depth of 315.0 m. Hole 10 also targeted the Discovery Zone and returned 5.9 m of 0.15%  $WO_3$  at a downhole depth of 135.9 m; 4.2 m of 0.25%  $WO_3$  at a downhole depth of 141.8 m; and 4.20 m of 0.25% molybdenum in skarn at a downhole depth of 141.8 m. Hole 07F-13 from the Discovery zone returned 1.6 m of 0.34%  $WO_3$  at a downhole depth of 73.5 m.

Hole 07F-11, located approximately 150 m from hole 07F-10, intersected 0.50 m of 0.51% molybdenum in skarn. Limited drilling in the underlying quartz monzonite stock returned 0.85 m of 0.293% molybdenum at a downhole depth of 361.5 m in drill hole 07F-09; and 3.9 m of 0.219% molybdenum at a downhole depth of 186.9 m in hole 07F-13.

Limited prospecting, mapping and selective grab and chip sampling from outcrop, subcrop and angular float in 2007, on the north side of the Deception stock, confirmed the presence of favourable geology, tungsten-bearing skarn and anomalous tungsten and molybdenum values.

A summary of previous exploration is listed in Table 2.

Table 2. Summary of Previous Work

Year	Exploration Activities (summarized from Blann et al., 2008)
1981/ 1982	Mattagami Resources Ltd conducted a silt geochemical survey and prospected and completed a soil geochemical sampling program on Deception Mountain.
1987	D. and C. Ridley prospected the 7200 road and located the southern contact of the Deception stock as well as zones of garnet-bearing skarn.
1999	D. Ridley, D. Blann and D. Black conducted geological mapping and prospecting along the 7200 road. Skarn subcrop containing significant molybdenum, tungsten and anomalous zinc is found and the Fox mineral claim is staked.
2000	D. Ridley conducted grid-based prospecting, soil geochemical sampling and geophysical surveying that identified hornfels and skarn covering a 1 x 3 km area along the southern contact of the Deception stock. Additional claims were staked by D. Ridley and D. Black to cover the northern edge of the Deception stock.
2001	Starcore Resources Ltd optioned the Fox 1-6 claims. The claim boundary is expanded and a limited soil survey is conducted on the South grid.
2005	Happy Creek Minerals Ltd. conducted prospecting, geological mapping and soil geochemical sampling over an expanded Fox grid. Additional prospecting and silt, moss mat and soil geochemical sampling is performed on the new Nightcrawler zone and Creek showing.
2006	Happy Creek conducted silt, soil and rock geochemical sampling as well as prospecting and geological mapping on Deception Mountain resulting in discovery of the Ridley Creek zone: scheelite and molybdenite in rocks adjacent to east side of Deception stock.
2007	Happy Creek completed the first major exploration program on the Fox property consisting of 971 silt, soil and rock geochemical samples, more than 700 m of trenching and over 3800 m of diamond drilling in 13 widely-spaced bore holes. The drilling intersected multiple zones of encouraging tungsten-bearing skarn mineralization (i.e. drill hole 07F-03 intersected 5.0 m grading 0.33% WO <sub>3</sub> ) and narrow high-grade molybdenum mineralization in skarn and quartz monzonite host rocks (i.e. drill hole 07F-10 intersected 4.20 m grading 0.25% Mo).

## 5. GEOLOGICAL SETTING

### 5.1 Regional Setting

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

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

The Fox property is located almost entirely within the Kootenay Terrane. The Kootenay Terrane is believed to represent an outboard facies of the ancestral North American miogeocline. The Kootenay Terrane is represented by an assemblage of Late Proterozoic and Paleozoic siliciclastic, carbonate and volcanic rocks of the Snowshoe Group which consist of quartzofeldspathic gneiss, pelitic schist, sandy marble layers and lenses, and minor quartzite, and augen gneiss. Composition of the metasediments range from quartz-rich in the west to more carbonate-rich in the east. Quartz veins are ubiquitous and generally follow the strongest foliation.

East of the Kootenay Terrane boundary is an intervening metamorphic assemblage comprised of Middle to Late Paleozoic oceanic basalt and chert called the Crooked Amphibolite and assigned to the Slide Mountain Terrane. The assemblage is comprised of greenstone (mafic schist derived from basalt), gabbro, dunite and serpentinitized ultramafic rocks of ophiolitic affinity. The metamorphic assemblage occupies the high ground between Deception and Spanish creeks and appears to form a fault-bounded block several kilometers in diameter. The Slide Mountain Terrane has been interpreted as the imbricated remnants of a Late Paleozoic marginal basin along the Eureka Thrust.

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

The Quesnel Terrane is represented mainly by Middle to Upper Triassic volcanic and sedimentary rocks of the Nicola Group. The Nicola Group is comprised of an assemblage of volcanoclastic rocks, argillite, greywacke, conglomerate and turbidite sequences, basaltic volcanic rocks, and a package of undivided sedimentary rocks. The Nicola Group is intruded by Late Triassic to Cretaceous calcalkaline to alkaline intrusions. The most dominant intrusion in the area is the Takomkane batholith, a multiphase pluton consisting of granodiorite and syenite to monzonite phases.

Other intrusive rocks include Late Triassic to Cretaceous granodiorite that has intruded both Nicola Group rocks and Snowshoe Group rocks. The Middle Cretaceous Deception stock intrudes the Snowshoe Group in the approximate center of the Fox property and has been the focus of much of the recent exploration. The stock is comprised of medium-grained muscovite-biotite quartz monzonite with compositional phases that vary between biotite, quartz and pink garnet-rich phases. Similar Mesozoic two-mica granites intruding metasedimentary rock assemblages, with pure or impure limestone, are known to host important tungsten and base metal skarn deposits in other parts of the Canadian Cordillera (Blann, 2007).

The Redfern Ultramafic Complex is comprised of amphibolite, gabbro, dunite and serpentinite and occurs on the eastern side of the property. These rocks cover an area of approximately 4.5 by 1.5 kilometres in dimension and are Permian-Mississippian in age.

The youngest rocks in the area are Recent olivine basalt flows which were extruded from the Flourmills Volcanoes (located in Well's Grey Park to the east). The flows cover Spanish Creek valley for about 15 kilometres and mask the trace of the Eureka thrust. Other rocks

commonly found in the region include Eocene calcalkaline volcanic rocks and flat-lying basalt of both Neogene and Quaternary age. Glacial and fluvial debris cover the area restricting outcrop exposure, particularly at lower elevations or shallower slopes.

Structural features in the region developed in response to plate convergence. The deformational history involves two phases of coaxial folding and later overprinting by northeast trending fractures. The first phase of deformation was accompanied by thrust faults and detachment surfaces that developed principally along stratigraphic contacts due to contrasting lithologies. Early Jurassic east-directed thrust faults formed during the latter stages of magmatism and juxtapose Quesnel Terrane above adjacent Kootenay Terrane. The second phase of deformation consists of west to southwest-verging folds, in part of early Middle Jurassic age, that deformed the east-directed thrust faults and tectonic boundaries, and established the regional map pattern. Younger structures include prominent Eocene dextral strike-slip and extensional faults.

Regional metamorphism is evidenced by amphibolite facies in the Kootenay Terrane and Slide Mountain terranes, and greenschist facies in the Quesnel Terrane.

## 5.2 Property Geology

### Lithology

The Fox property is underlain primarily by metasediments of the Upper Proterozoic to Paleozoic Snowshoe Group. Snowshoe Group lithologies include fine to medium-grained muscovite-biotite gneiss and schist, calc-silicate gneiss and schist, and lesser interbedded quartzite, calcareous sandstone and limestone. Spatial lithological variations are noted: banded quartzite, biotite gneiss and minor schist predominate in the west and at higher elevations south of the property; and biotite-muscovite schist, calc-silicate and grey limestone tend to occur in the central to eastern part of the property. Original bedding is rarely observed, but at least one sequence of calc-silicate forms a marker bed that demonstrates original bedding. The calc-silicate sequence includes bands of coarse-grained, calcite-rich schist, garnet (grossular?)-diopside+/-vesuvianite-scheelite skarn and coarse-grained marble. Calc-silicate appears to have largely replaced limestone on the property, however boulders and subcrop of grey-white impure limestone occur locally.

Foliation in schist and layering in calc-silicate bands trend northwest and dip gently to moderately to the west, with the dip steepening on the western part of the claims (Blann, 2007). Limestone typically forms multiple thin beds within thicker units of calc-silicate, but can occur in beds up to 10 m thick (Blann, 2008).

Near the southern bend of Deception Creek the Snowshoe Group is intruded by the moderately south dipping Deception Stock. This mid-Cretaceous quartz monzonite intrusion occupies a 4 km by 5 km circular area in the central part of the property. Its contact with other rock units is poorly exposed, but appears gradational and is generally poorly constrained. The stock has variable mineral composition, ranging from quartz monzonite to muscovite-biotite granite, with phases of leucocratic granite, aplite, pegmatite, and lesser biotite-hornblende granite. The latter forms a small mappable unit near the southeast corner of the claims.

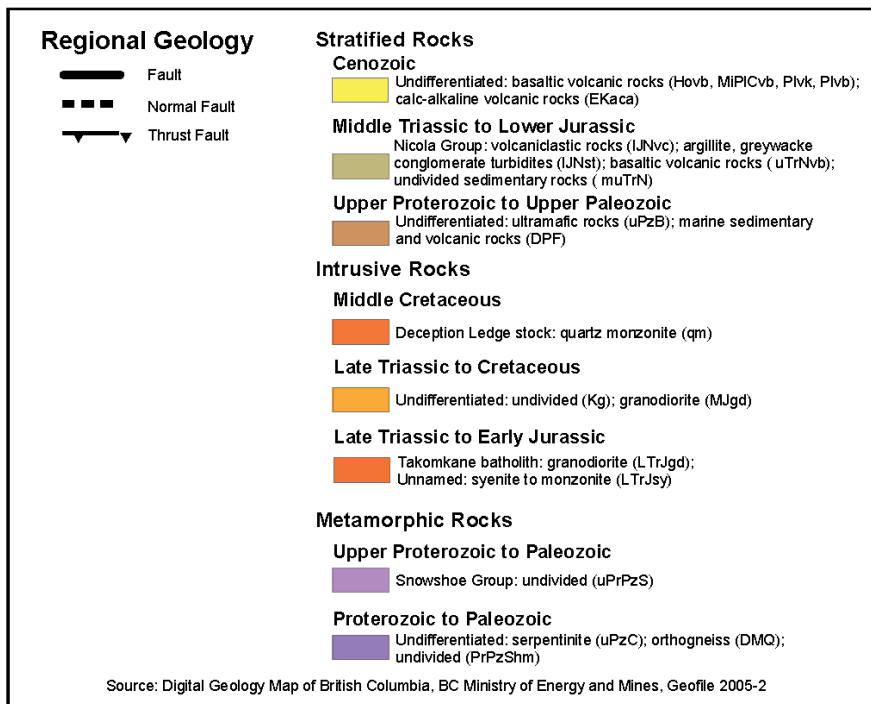
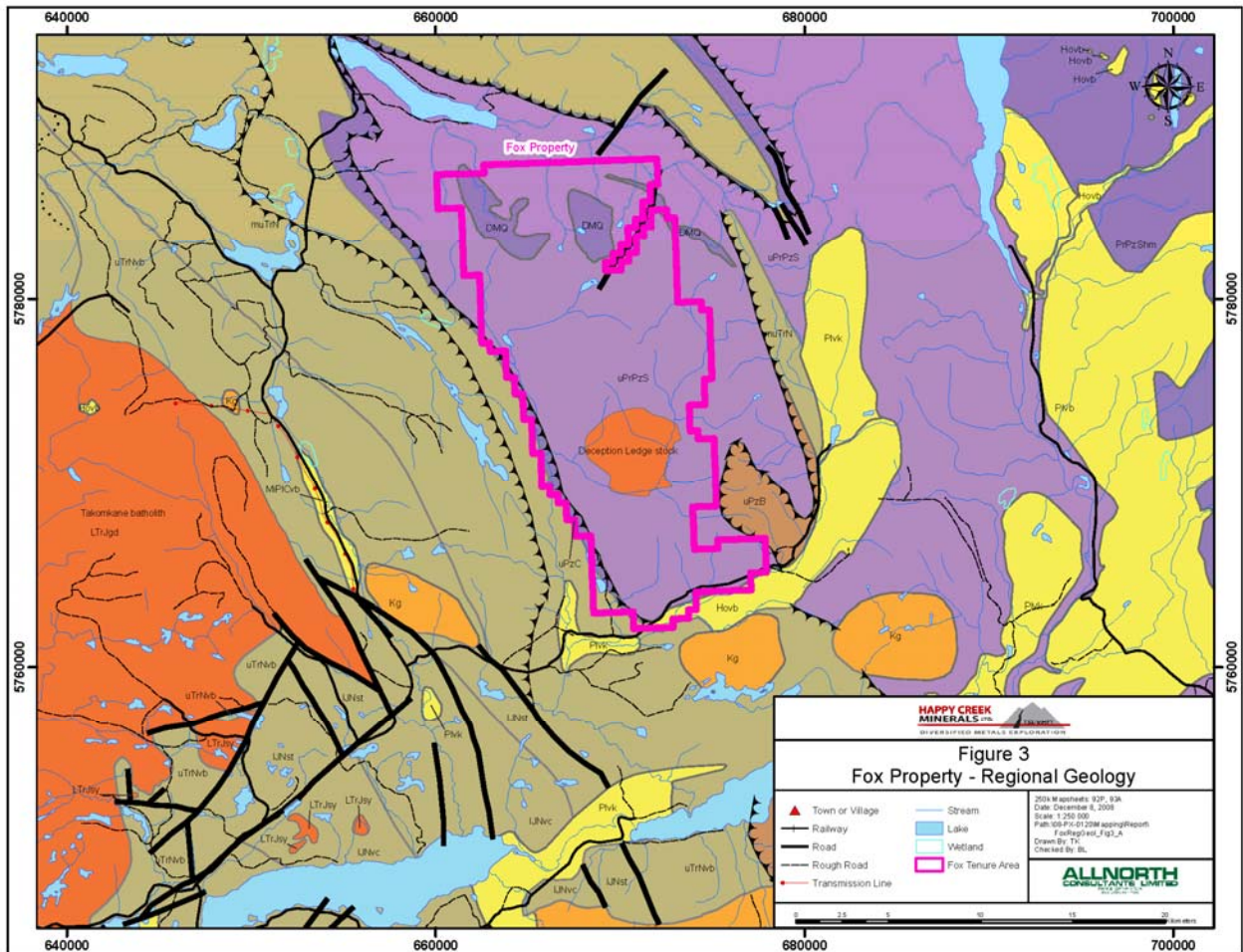


Figure 3. Regional Geology.

Blann (2008) reports a U-Pb zircon age of the Deception stock as 106.4 +/- 0.2 Ma. This age is similar to the Boss Mountain stock located approximately 25 kilometers NW of the Deception stock. The Boss Mountain stock hosts the past producing Boss Mountain molybdenum (and tungsten) mine.

Numerous felsic dykes, dyke swarms and sills of similar composition intrude the stock and the enclosing metasedimentary rocks on all sides of the central intrusion. Individual dykes locally exceed 5 metres in thickness. Dykes include quartz monzonite and fine-grained quartz-rich felsic granitoid rocks from alaskite to aplite in composition. Felsic dykes are in part cut by or grade into pegmatite and quartz veins that cross into adjacent wall rocks. Dykes also contain variable amounts of fine garnets. Very coarse quartz-feldspar-muscovite +/- biotite pegmatite dykes and sills, up to 2 metres in width, obliquely cut the Snowshoe Group schists up to 300 m away from the stock. Felsic dykes penetrate as far away as 200 metres from the main intrusion.

A single dyke of andesitic to basaltic composition was noted cross-cutting schists of the Snowshoe Group north of the main granitic intrusion. This dyke consists of a magnetic andesite, with euhedral feldspar phenocrysts in a very fine grained, grey-brown matrix.

Zones of millimeter-sized garnets were noted within the intrusion, particularly within fine-grained and more felsic lithologies. The garnets are typically found within tens of metres of the contact. Garnets within the schistose lithologies measure up to several millimetres in size and have been noted up to 300 metres away from the intrusion.

All rock types are commonly cut by quartz veins and lenses of varying attitudes and intensities. At least two or three generations of veining are evident. Quartz veins vary in texture from irregular pinch and swell lenses of massive, fine to coarsely crystalline quartz to milky white, clear and grey vuggy varieties.

### Structure

The structural configuration of the property appears complex, with two or more phases of deformation. The earliest phase is represented in schists of the Snowshoe Group and consists of generally shallow south-southeast plunging zones of tight to isoclinal folding, presumed to be the hinge zones of similar larger scale folds. Folds range in amplitude from several centimeters to more than several tens of metres. These deformed zones are located south and southeast of the granite intrusion, and north of the intrusion. Although measurements vary, the fold axes run roughly horizontal to shallow (10 degrees) towards the south-southeast, ranging from 160 to 180 degrees plunge direction (Blann, 2007).

A second phase of folding consists of a broad, property scale anticline, with a shallow west-southwest dipping limb to the west, and a gradually steepening east-northeast limb towards the east (Blann, 2007). The fold axis has a shallow plunge (5-10 degrees) towards the south (approximately 170 degrees).

### 5.3 Mineralization and Alteration

The Fox property is host to potentially economic zones of tungsten skarn mineralization that to-date have been located in the central part of the property. These zones consist of skarned calc-silicate layers within Snowshoe Group biotite-quartz schists, in close proximity to the Deception Stock. The skarn or calc-silicate beds generally occur as stacked layers,

and measure from 5 cm to over 6.0 m in thickness, and occur in a package that measures approximately 100 meters in thickness (Blann, 2008). Dimensions are considered preliminary and are indicated by the dimensions of subcrop boulders, from very limited outcrop data, and from diamond drill intersections.

Calc-silicate and skarn beds consist of pale to dark red garnet, pale to dark green pyroxene, vesuvianite, amphibole, quartz and, may contain trace to 10% pyrrhotite. Skarn mineralization consists of variable concentrations of scheelite, molybdenite, chalcopyrite, and sphalerite, with associated tungsten, molybdenum, copper and zinc values. The dominant mineralization consists of zones of scheelite+/-sphalerite within skarn-altered calc-silicate layers and sporadic zones of molybdenite peripheral to the skarn mineralization. Scheelite occurs as angular crystals or aggregates, up to several millimetres in size and can account for up to 3% of the rock. Most of the scheelite mineralization identified occurs as subcrop and float.

Peripheral to the tungsten skarns are localized zones of molybdenum mineralization that occur both north and south of the main intrusion. These scattered zones appear to be of limited extent (tens of metres), and are mineralized with clots and rosettes of molybdenite that can comprise up to 3% of the rock. The zones of mineralization occur in schists of the Snowshoe Group and within cross-cutting pegmatite dykes. Drilling in 2007 indicated the presence of molybdenum in the underlying Deception stock, giving rise to the potential for a porphyry molybdenum system. The schists in the contact zones of the granitic intrusion are variably mineralized with minor (1-3%) interstitial pyrrhotite.

Multiple stages of fracture-controlled quartz veins, with associated thin sericite-muscovite and K-feldspar alteration envelopes cut the stock, dykes, sills, schist and calc-silicate lithologies. Quartz veins peripheral to the stock have been sampled and have returned anomalous silver, lead, arsenic and bismuth values.

Mineralized zones are located immediately north and south of the Deception stock where it appears that the skarned beds have been thickened in the nose of a large scale fold. Although scheelite was not consistently noted within these skarned beds, thickened fold hinges can be an attractive exploration target. As a result of the tight fold repeats and thickened fold hinges, the potential tungsten-rich zones are thought to be rod-shaped and shallow south-southeast plunging (Blann, 2006).

The Discovery molybdenum zone, located on the south side of the Deception stock, approximately one kilometre west of the Nightcrawler Zone, is comprised of garnet-vesuvianite skarn and pyroxene-amphibole skarn containing patches, disseminations and fracture-fillings of molybdenite. Grab samples of this mineralization returned up to 4.9% molybdenum over 10 cm. (Dawson, 2002).

In the area of the Discovery zone, rocks of the Snowshoe Group are cut by red garnet-bearing biotite-muscovite granite (Deception stock) and dikes and sills of alaskite-aplite. Pegmatite and quartz veins cut intrusive and metamorphic rocks and have variable orientations. The contacts between calc-silicate, schist and granite dykes (2-20 metres in thickness) trend north and northwest and dip variably. A zone of hornfels occurs up to several kilometres south of the Deception stock contact and is marked by moderate fracturing, rusty weathering, increased pyrrhotite+/- pyrite content and biotite to locally sericite alteration.

The Nightcrawler tungsten zone occurs on the southeast side of the Deception stock and is spatially associated with dikes and sills of similar composition. Alaskite, pegmatite and

quartz veins appear to cut intrusive, calc-silicate and schistose lithologies. Garnet and pyroxene locally appear altered to amphibolite and mica. The zone is comprised of outcrop, subcrop and angular float that contain trace to more than 3% tungsten in assays. Pyrrhotite and, locally, trace molybdenite, chalcopyrite and sphalerite, occur in higher grade samples. Tungsten bearing calc-silicate beds range from 1 cm to more than 2 m in width and are separated by schist and un-mineralized skarn. Scheelite occurs: as fine-grained disseminations and medium-grained bands within pyroxene-rich calc-silicate skarn; as coarse crystals up to 10 mm in length in calc-silicate skarn, in quartz veins and in quartz-rich zones within the calc silicate; in granite/alaskite and pegmatite dykes and sills, and; in foliation-parallel and cross-cutting fractures.

Skarn locally contains anomalous values of bismuth (>200 ppm), gold (100 ppb) and arsenic (>200 ppm), however the relationship between these metals and tungsten and/or molybdenum is uncertain.

Rock grab samples from the Discovery zone have returned up to 4.9% Mo, while those from the Nightcrawler Zone contain up to 3.16% W. The broad area that encompasses the two zones is more than 1 km long by several hundred metres wide. The area includes mineralized float and several W and/or Mo soil anomalies. The Creek zone is located approximately 300 m northeast of the Nightcrawler zone and was originally discovered by sampling scheelite-bearing calc-silicate skarn boulders. Mineralization intersected in drilling in 2007 identified tungsten in skarned calc-silicate bands within schist, near the upper contact with the underlying Deception stock.

Drilling of the Nightcrawler and Discovery zones in 2007 intersected several styles of discrete narrow tungsten and lesser molybdenum mineralization in similar lithological settings. Scheelite and sulphide mineralization was found to occur in pyroxene-garnet-bearing skarn, and milky-white and grey quartz veins hosted in hornfelsed, garnetiferous quartz-muscovite-biotite schist. Scheelite occurs as blebs, clots, fracture-fillings and disseminations through the vein sequence. Scheelite mineralization was also found to occur in narrow pyroxene-garnet-bearing calc-silicate intervals within argillic-altered schist that is cross-cut by quartz veins and carbonate veinlets. Abundant sulphides, consisting of pyrrhotite, pyrite, sphalerite and chalcopyrite, occur as blebs, clots, fracture-fillings and disseminations in and around quartz veins and dykes.

Mapping, prospecting and geochemical surveying in the Ridley Creek area, on the north side of the Deception stock, have outlined a zone of prospective scheelite-bearing calc-silicate rocks over a strike length of about 2.5 km and width of at least 100 m (Blann, 2008). Soil sampling has identified several encouraging tungsten and molybdenum soil anomalies, with the largest measuring about 700 m by 150-250 m (Blann, 2008). Several new showings, including the Ridley Creek, Blann and Black zones, were located in the Ridley Creek area. Grab samples from the zones have returned significant values, including 5.66% tungsten (7.11% WO<sub>3</sub>), 0.887% tungsten (1.12% WO<sub>3</sub>) and 3.686% tungsten (4.65% WO<sub>3</sub>). One sample of quartz vein, located near a felsic sill, returned 0.179% molybdenum. The Ridley Creek area is interpreted to be the continuation of the favorable geology and mineralized calc-silicate horizons identified at the Discovery-Nightcrawler-Creek zones, located approximately 4.0 km to the south on the southern margin of the Deception stock (Blann, 2008).

The most significant alteration found to date is associated with skarnification of the calc-silicate lithology, which is itself a pervasive alteration of an impure limestone protolith. Hornfels is also noted in the Snowshoe Group schists, up to 2 km north and south of the

stock contact. Hornfels is marked by weak to moderate fracturing, rusty weathering and increased sulphide content, including trace to 3% pyrrhotite, pyrite and chalcopyrite. Fractured-controlled sericite alteration is apparent within schist, skarn and intrusive rocks. Localized, intense argillic alteration was noted in several drill holes, and may be controlled by local structures. Quartz veins are associated with localized secondary sericite-muscovite and k-feldspar alteration in both the vein and wall rock.

## 6. 2008 EXPLORATION PROGRAM

The 2008 exploration program consisted of:

- Focused bedrock mapping of the Ridley Creek area in the central part of the Fox property, and;
- rock, silt and soil geochemical sampling and prospecting of the Ridley Creek area.

The program took place intermittently during the months of July - September, 2008.

### 6.1 Bedrock Mapping

A section of the central Fox property referred to as the Ridley Creek area was mapped by Mark Ralph during a six-day period in early September, 2008. The area covers a narrow swath of prospective geology north of the Deception stock. The area also encompasses the Black, Ridley Creek and Blann showings that were previously identified. The mapped area measures approximately 4.1 km long by 1.7 km wide at the southern limit of mapping, quickly tapering to less than 500 m wide at the northern extent.

Mapping in the central and northern areas was somewhat restricted by rugged topography and, therefore, mapping tended to follow the contours on the eastern flank of Deception Mountain. Mapping was also hampered by limited bedrock exposure, and in instances, blocky float was used to infill areas of limited exposure. Less precipitous terrain in the southern area generally permitted better access and wider mapping coverage. The northern portion of the soil geochemical grid overlaps the southern edge of the mapped area. South of grid line L104N there is no bedrock mapping and thus no control to assist with explanation of soil geochemical patterns (see discussion below).

In general the overall map pattern indicates that micaceous schistose metasediments of the Snowshoe Group are intruded by small stocks, multiple apophyses, dykes and/or sills of variable composition. The metasediments are dominated by biotite schist with intercalated calc-silicate bands that are locally skarned and mineralized with scheelite and lesser molybdenite. In the eastern section of the map area the stock is represented by a compositional phase dominated by two-mica granite.

In the southern part of the map area the stock is compositionally more leucocratic with minor mafic constituents. The contact between the stock and country rock is highly variable, undulating and irregular, and difficult to map. Where the contact is sharp it is shallow-dipping. All rock types are cut by quartz veinlets that range from milky-white quartz in localized small stockworks to barren, bull quartz veins that can measure several meters in width.

Intrusive Rocks

The Deception stock has been commonly identified in the field as a “granite” or “two-mica granite”, but may in fact tend toward a more monzonitic composition, as has been commonly mapped elsewhere on the property. The rock is reasonably well exposed in outcrop and is described generally as white to pale-coloured, crystalline to medium-grained, dense, well-indurated, with well-developed, widely spaced jointing.

The rock is generally fresh below a thin rind of salmon-colored, or ‘salt and pepper’ coloured, weathering. The intrusion is typically comprised of between 40-50% quartz, 50-60% feldspar (dominated by plagioclase in the more mafic varieties) and from between 2-10% biotite. Biotite typically occurs in coarse “books” up to 3 mm in length, but can transition into “seams” that may represent retrograde biotite, possibly at the expense of garnet. Biotite locally accounts for 10-15% of rock by volume.

Leucocratic compositions generally have less than 5% biotite, from 15-20% quartz and up to 80% feldspar. A variety of intrusive ‘felsic dykes’ of similar composition, but variable texture, were mapped within the metasedimentary sequence peripheral to the main intrusive body and commonly several hundred meters away from the contact. The composition of the dykes ranges from monzonite to aplite to tourmaline-bearing granite. Most varieties have variable mica content, with biotite being more common in the finer-grained varieties and muscovite prevailing in the coarse-grained to pegmatitic varieties. Pegmatite dykes commonly occur marginal to, as well as within, the stock.

#### Metasedimentary Rocks

The metasedimentary rock sequence is comprised of generally dark, fine-grained; well-foliated quart-biotite schist, biotite schist and lesser muscovite-biotite and garnet-biotite schist, frequently with intercalated resistive siliceous bands. Subordinate lithologies include quartz-biotite gneiss, limestone, marble, quartzite, and calc-silicate horizons. Muscovite appears to increase in volume in proximity to the intrusion. Limestone is generally medium-grained, with intercalated layers that alternate between resistant amorphous limy bands to bands within which are well-developed 1-3 mm euhedral crystals of calcite. Individual limestone bands reach up to 12 m in thickness.

Field relationships in the southern part of the map area characterize the metasedimentary units as isolated ‘rafts’ in shallow contact with the underlying granitic intrusion. To the north, the metasedimentary units are much more prevalent, but are cut by apophyses of the stock.

Foliation is generally penetrative and is well-developed with a northerly strike and variable but generally shallow westerly dip. Remnant bedding may be recognized and tends to strike to the north and dip to the west, generally sub-parallel to the dominant penetrative foliation. Crenulation cleavage was also noted and found to be more intense marginal to the intrusive contact; it may represent a later regional deformation event or metasomatic event related to the intrusion. Locally the schistose units are observed to be tightly folded, and appear in some instances to be isoclinal to overturned or recumbent. Banding in more ductile sequences can be highly contorted within an overall sequence of seemingly undisturbed layers of contrasting lithology.

Locally intense, asymmetric overturned folds of primarily siliceous biotite schist are common and observed along certain cliff faces in the northern part of the map area. Rocks to the immediate west and underlying these metasediments appear unaffected by this folding. Faults are observed within folded sequences or are suspected where there is a rapid change in field relationships.

Quartz veining is typically parallel to foliation and can comprise up to 40% of the rock by volume. Veins are commonly boudined with a 'pinch-and-swell' appearance, are discontinuous, and locally folded around asymmetric axes. Two vein sets may be prevalent: one set is comprised of milky-white quartz with grey "sulphidic" patches and another set is comprised of mainly barren, clear to white bull quartz. Pyrite can occur as fine to medium-grained euhedral cubes disseminated throughout the veins, and is occasionally accompanied by traces of black metallic minerals (Blann, 2008).

Rare, localized 1-2 m wide, light green to pink muscovite-bearing aplite dykes cross-cut foliation. Schistose units are also commonly cut by coarse-grained muscovite granite dykes.

The calc-silicate lithology is characterized by narrow, white to pale green bands of altered limestone that locally display a nodular appearance. The calc-silicate units are comprised of variable amounts of garnet, pyroxene, amphibole(?), vesuvianite, quartz and calcite. Up to 2-3% pale gold micas have been observed locally within bands. Limonitic staining is common on fractures. Scheelite+/-molybdenite and/or powellite, and locally traces of disseminated sphalerite, occur as large mineral aggregates and fracture linings. More altered sections are commonly fractured with an increased content of biotite and sericite, and of pyrite +/- pyrrhotite mineralization. Outcrop-scale, cross-cutting microfaults are limonitic or rusty and are shown by UV light to be mineralized with scheelite and lesser sphalerite (Blann, 2008).

In general the calc-silicate units or horizons have fewer quartz veins and overall a decreased volume of quartz, than the schists. Calc-silicate bands are typically sandwiched or enveloped by banded marble and limestone, but do occur locally within biotite schist. Individual calc-silicate bands are variably skarned, with or without tungsten and molybdenum mineralization.

The mapping in this area suggests the calc-silicate horizons (multiple bands) are north-northwest trending and moderately to steeping west dipping. The horizons have been mapped over several hundreds of meters in strike length and range from less than 10 m to more than 50 m in width. It is not clear if parallel bands represent multiple discreet horizons in an inclined metasedimentary rock slab or repeated sections due to faulting or folding. Poor exposure has limited the full extend of these horizons.

## 6.2 Geochemical Surveying

### 6.2.1 Soil Geochemical Survey and Results

A total of 683 soil samples were collected in 2008. A 2.5 km by 2.5 km grid was established over most of mineral tenure 514263. The grid consists of 18 east-west lines spaced 100 or 200 m apart. Samples were collected at 50 m intervals on all of the lines. Samples were taken from the 'C' soil horizon using either a mattock or tree planting shovel. Figures 6 through 9 illustrate the distribution of tungsten, molybdenum, bismuth and gold in soils. Statistical analyses of 2008 soil geochemical data are shown in Table 3 and full analytical results are presented in Appendices B and C.

All samples were dried at 60°C, sieved through 80 mesh. The resulting 100 g samples were dried again at 60°C and analyzed. The remaining coarse reject portions of the samples remain in storage at Acme. The samples were analyzed using Acme's assay procedure 1DX-15; a 1:1:1 Aqua Regia Digestion with an ICP-MS finish. The

reader is referred to <http://www.acmelab.com> for details of these analytical procedures. The assay certificates are located in Appendix C.

Table 3. Statistical Results for 2008 Soil Samples

# of Samples = 683				Percentiles		
	Min	Max	Mean	80%	90%	95%
Molybdenum (Mo ppm)	0.3	45.4	3.65	4.5	7.4	10.8
Tungsten (W ppm)	0.05	100	3.70	4.4	7.1	11.0
Bismuth (Bi ppm)	0.2	15.6	1.98	2.4	3.7	5.8
Gold (Au ppb)	0.02	66.3	0.73	0.8	1.2	1.9

Soil geochemistry plots for tungsten, molybdenum, bismuth and gold were gridded and examined in detail. Bismuth and molybdenum are common pathfinder elements for tungsten skarn deposits. Gold was examined to determine if there might be anomalous patterns that could indicate bedrock occurrences of sediment-hosted or quartz vein-hosted mineral deposit types. Statistical treatment of the soil data identified anomalous threshold values at or above the 95<sup>th</sup> percentile. The anomalous thresholds are: > 11.0 ppm tungsten (W), > 10.8 ppm molybdenum (Mo), > 5.8 bismuth (Bi), and > 1.9 ppb gold (Au). Several distinct coincident or overlapping tungsten-molybdenum+/-bismuth patterns are evident. There are also several single point or double-point gold anomalies scattered intermittently across the grid. The northern half of the grid was geologically mapped while the southern half (south of grid line L106N) was not.

A strong northeast-trending swath-shaped tungsten soil anomaly occupies the north-central part of the grid, extending from line L110N to line L117N. The anomaly measures 1.2 km long by 350 m wide, with soil values consistently above the 95<sup>th</sup> percentile. The extreme northern limit of the anomaly coincides with the mapped Blann tungsten-molybdenum showing. The anomaly pattern closely conforms to the contours of the eastern slope of Deception Mountain, from elevation 1900 m asl downslope to 1860 m asl.

Several smaller, tungsten anomalies are located further downslope from the main anomaly; and mimic the linearity of the larger feature. They are in the order of several hundred meters long and also conform closely to contour, from 1820 m asl downslope to 1800 m asl. Soil values in these anomalies are also consistently above the 95<sup>th</sup> percentile. One of the smaller patterns, located in the east-central area of the grid, is coincident with a small, 100 m long by 100 m wide, multi-point molybdenum anomaly with soil values consistently above the 95<sup>th</sup> percentile. It is located from line L110N to L111N.

Several narrow, north-trending bismuth anomalies, with partially coincident or overlapping molybdenum anomalies, are located at the fringe of the main tungsten zone. These small pod-shaped anomalies have soil values consistently above the 95<sup>th</sup> percentile, are located both topographically above (northwest) and below (southeast) the main tungsten anomaly, and appear to drape its outer fringe in a roughly radial pattern. Their orientation appears parallel to mapped calc-silicate bands and quartz veining found north of the soil grid. Outbound of these pods, also in a roughly radial pattern, are several, scattered, mainly single point gold anomalies with values consistently above the 95<sup>th</sup> percentile. Their origin is unknown, but may reflect quartz veins or pegmatite dykes marginal to the granite contact, or narrow shear/fault zones in the underlying bedrock.

A strong, kidney-shaped molybdenum anomaly occupies the northwest –central part of the soil grid and overlaps the southwestern end of the main tungsten anomaly. The anomaly is centered between lines L108N and L112N and measures approximately 500 m long and between 200m and 400 m wide. It is a multi-point anomaly with soil values consistently above the 95<sup>th</sup> percentile. It is conformable to contour, but not as strongly associated with elevation as the main tungsten anomaly. It is associated with elevation 1800 m asl downslope to 1860 m asl; on a south facing slope.

Several small pods and clusters of single-element tungsten, molybdenum and bismuth anomalies are located near the extreme south-western edge of the soil grid, on the southwest-facing slope of Deception Mountain. They are generally distributed over an area that roughly trends northwest and measures approximately 1500 m long by 600 m wide. They occur from line L94N to line L104 N; but straddle both bounding lines and may continue north and south of the grid limits. The bismuth anomalies tend to be stronger and larger. These small clusters do not appear to be coincident with each other; although two or more pods can be in close proximity to each other; and do in part overlap. The unusual pattern may reflect down-ice (to the south-southwest) dispersion from the vicinity of the Blann showing. This area is tentatively mapped as granite, but exposure is poor and there is an assumed contact to the west of the granite that might represent a sequence of metasedimentary rocks.

Several small, isolated and scattered gold anomalies are distributed along line L102N, between lines L100N and L104N, and in close proximity to contour 1720 m asl. This pattern remains unexplained.

## Discussion

The main tungsten anomaly likely represents a glacial dispersal train proximal to a bedrock source (Blann showing). However, close conformity to the steep contours might also suggest upslope occurrences of buried calc-silicate bands, parallel to, but south-southwest of the Blann showing, that are as yet undiscovered. The map stations are dispersed and relatively few in number, so the geological control in this area is not well understood. There are narrow dykes or apophyses of granite noted, but only one occurrence of calc-silicate was mapped south or west of the Blann showing. More detailed follow-up needs to be completed over this area to determine if the soil anomaly is derived from a bedrock source proximal to the Blann showing.

### 6.2.2 Regional Silt Geochemical Survey

A total of 14 silt samples were collected over a broad area encompassing the Ridley Creek area. Sample locations are shown in Figure 4 (in pocket) and Figure 5 and selected results are presented in figures 6 through 9. Full analytical results are presented in Appendix B and C.

Silt samples were collected in standard kraft bags, tied closed and air dried at room temperature for 2 to 3 weeks before being shipped to Acme Analytical Laboratories in Vancouver for analysis. At the lab, all samples were dried at 60°C and sieved through 80 mesh. The resulting 100 g samples were dried again at 60°C and analyzed. The remaining coarse reject portions of the samples remain in storage at Acme. The samples were analyzed using Acme's assay procedure 1DX-15; a 1:1:1 Aqua Regia Digestion with an ICP-MS finish. The reader is referred to <http://www.acmelab.com> for details of this analytical procedure.

Silt geochemical results were generally subdued in all elements of interest, but sample FX08BKS-5, collected from a drainage on the north facing flank of Deception Mountain approximately 2.5 km due west of the Black showing, returned a value of 23.9 ppm W.

### 6.2.3 Regional Rock Geochemical Survey

A total of 25 rock samples collected from the Fox property during the 2008 field season were submitted for geochemical analysis. Fifteen of the samples came from the Black and Ridley Creek showings; seven samples were collected from the area covered by the 2008 grid, one sample was collected from an area about 1.3 km west of the Ridley Creek showing, and two were collected along an access road south of the 2008 grid. Samples were secured in labelled polyethylene bags and shipped to Acme Analytical Laboratories in Vancouver for analysis using ICP-MS methods. Sample locations are shown in Figure 4 (in pocket) and Figure 5 and selected results are presented in figures 6 through 9. Brief sample descriptions, UTM coordinates, and full analytical results area presented in Appendix B and C.

All rock samples were crushed, pulverized and the resulting sample pulps were analyzed. The rock samples were jaw crushed until 70% passed through a 10 mesh (2 mm) screen. The sample was split and a 250 g riffle split sample was then pulverized in a mild-steel ring-and-puck mill until 95% passed through a 150 mesh (100 µm) screen. The remaining coarse reject portions of the samples remain in storage at Acme. The samples were analyzed using Acme's assay procedure 1DX-15, a 1:1:1 Aqua Regia Digestion with an ICP-MS finish. Fifteen samples were also analyzed using Acme's procedure 7KP, a Phosphoric Acid Leach with ICP-ES Finish. The reader is referred to <http://www.acmelab.com> for details of these analytical procedures. The assay certificates are located in Appendix C: Soil, Silt and Rock Geochemical Certificates.

Fifteen of the rock samples collected returned values >100 ppm W, and were re-analysed to provide a total value for tungsten. The resulting analyses for the fifteen samples ranged from 0.021% W to 5.808% W. The latter sample (#827001) was taken from a 2 cm-wide quartz vein cutting leucocratic granite (IGr) just south of grid line L113N. All of the other anomalous tungsten rock samples were of altered metasedimentary rock or skarn and came from either the Black showing or Ridley Creek showing. Many of these samples were also anomalous in gold and bismuth, with maximum values of 211.4 ppb Au and 483.0 ppm Bi (both in sample #493400 from the Black showing). Zinc was also found to be anomalous in many of the high-grade tungsten samples, ranging up to 7566 ppm Zn.

Rock sample #493394, collected from the west side of the soil grid on line L100N, returned the only anomalous molybdenum result of 1973 ppm Mo. It came from a zone of molybdenite-bearing quartz veins hosted by muscovite-rich granite.

## 7. INTERPRETATION AND CONCLUSIONS

The Fox property is situated almost entirely within the Kootenay Terrane, and is underlain primarily by schistose and layered metasedimentary rocks of the Late Proterozoic-Early Paleozoic Snowshoe Group. Snowshoe Group lithologies include fine to medium-grained muscovite-biotite schist, quartz-biotite schist, lesser intercalated gneiss, limestone, calcareous sandstone, quartzite and locally skarn-altered calc-silicate. The layered assemblage is irregularly intruded by the mid-Cretaceous Deception stock that compositionally varies from quartz monzonite to granite. Numerous dykes, plugs and sills of variable composition, including aplitic, pegmatitic and granitic phases, cut the stock and metasedimentary rock package.

The Fox property is host to parallel zones of metasomatic skarn mineralization that are locally mineralized with significant scheelite and lesser molybdenite. These zones appear to fringe the Deception stock in close proximity to the often diffuse intrusive contact. Molybdenite mineralization encountered in the underlying Deception stock gives rise to the potential for porphyry mineralization.

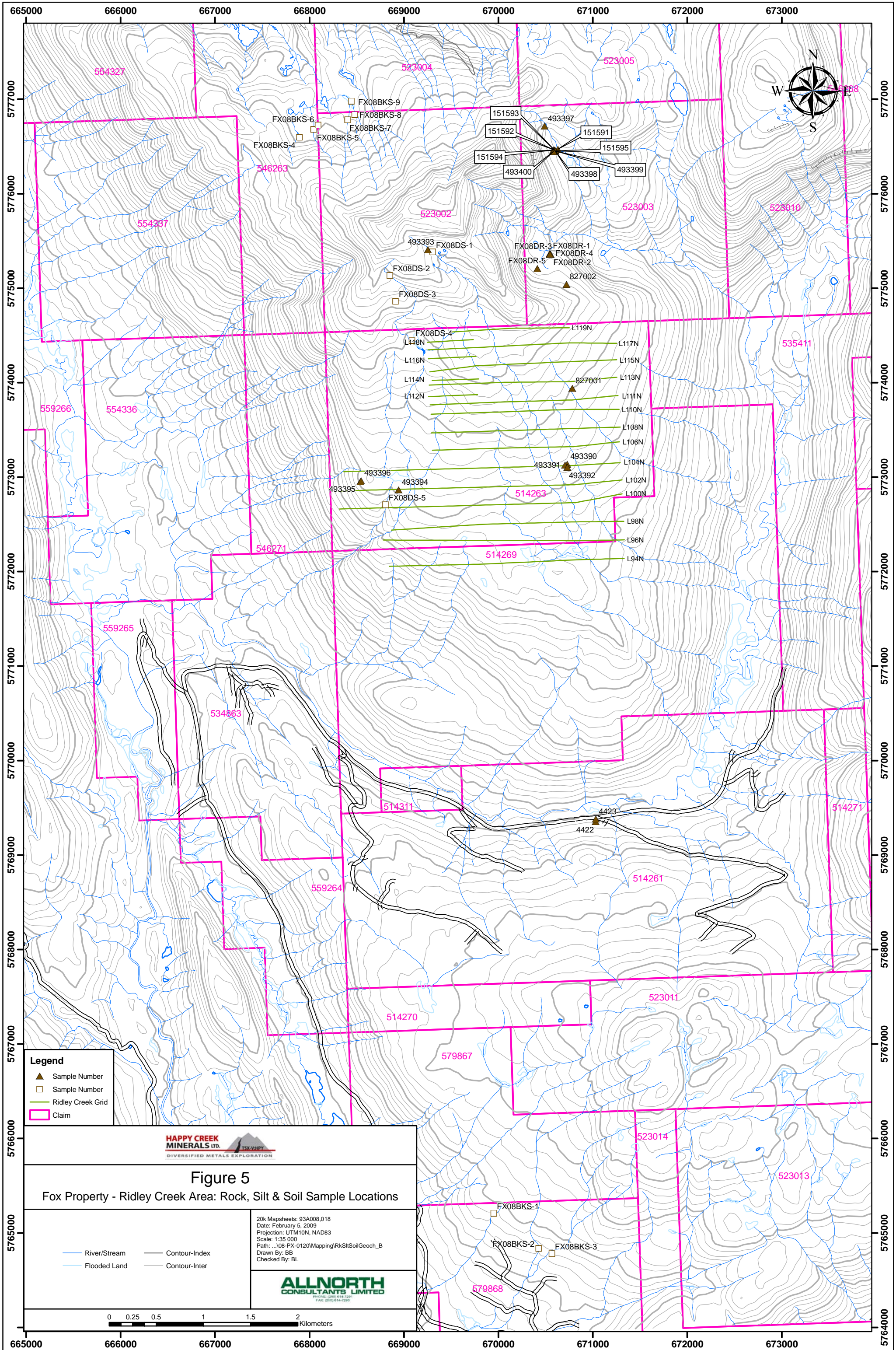
The 2008 exploration program consisted of focused bedrock mapping, grid-based soil geochemical sampling, and limited silt and rock geochemical sampling and prospecting of the Ridley Creek area. The program was successful in further confirming the tungsten +/- molybdenum skarn prospectivity of the Ridley Creek area.

In the eastern section of the map area the intrusive stock is represented by a compositional phase dominated by two-mica granite. In the southern portion of the map area the stock is compositionally a more leucocratic phase with minor mafic constituents. Contact with the main intrusive body is highly variable, undulating and generally irregular and difficult to map. Where the contact is sharp it can appear shallow and appears to underlie the schistose units. All rock types appear to be intruded or cut by quartz veinlets that range from milky-white quartz in localized small stockworks to barren, bull quartz veins that can measure several meters in width.

Scheelite-bearing skarn-altered calc-silicate beds are hosted in metasomatically altered quartz-biotite schists. Calc-silicate zones are generally cut by quartz veins that can contain trace to locally over 5% pyrrhotite, pyrite, sphalerite and chalcopyrite. Calc-silicate rocks consist of a fine-grained layered assemblage of quartz-rich garnet and diopside in skarn-altered sections. The calc-silicate and tungsten-molybdenum skarn zones occur generally in close proximity with the Deception stock. Spatially associated dykes and sills of similar composition cut the intrusion, and the calc-silicate and schistose rocks alike.

Molybdenite occurs as disseminated and semi-massive replacement of skarn. Scheelite occurs as fine-grained disseminations and medium-grained bands within pyroxene, calc-silicate skarn. Coarse-grained scheelite can also occur in quartz veins or quartz-rich zones within the calc-silicate or less often in intrusive dykes and pegmatite. Tungsten-bearing calc-silicate beds vary widely in thickness; and can be separated by schist, or un-mineralized skarn.

Soil sampling in 2008 identified several tungsten-molybdenum and/or molybdenum anomalies. A strong tungsten-in-soil anomaly is located in the north-central part of the soil grid and measures roughly 1.2 km long by 350 m wide; with soil values consistently greater than



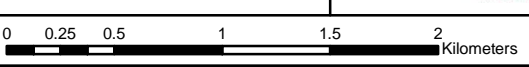
- Legend**
- ▲ Sample Number
  - Sample Number
  - Ridley Creek Grid
  - Claim



**Figure 5**  
Fox Property - Ridley Creek Area: Rock, Silt & Soil Sample Locations

- River/Stream
- Contour-Index
- Flooded Land
- Contour-Inter

20k Mapsheets: 93A008.018  
 Date: February 5, 2009  
 Projection: UTM10N, NAD83  
 Scale: 1:35 000  
 Path: ...08-PX-0120\Mapping\RkSiltSoilGeoch\_B  
 Drawn By: BB  
 Checked By: BL



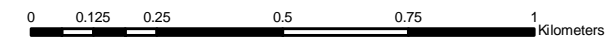
**Figure 6**

Fox Property - Ridley Creek Grid: Rock, Silt & Soil Geochemistry - Au (ppb)

20k Mapsheets: 93A008\_018  
 Date: January 6, 2009  
 Projection: UTM10N, NAD83  
 Scale: 1:15 000  
 Path: ...108-PX-0120\Mapping\RkSiltSoilGeochem\_B  
 Drawn By: BB  
 Checked By: BL



- River/Stream
- Flooded Land
- Contour-Index
- Contour-Inter



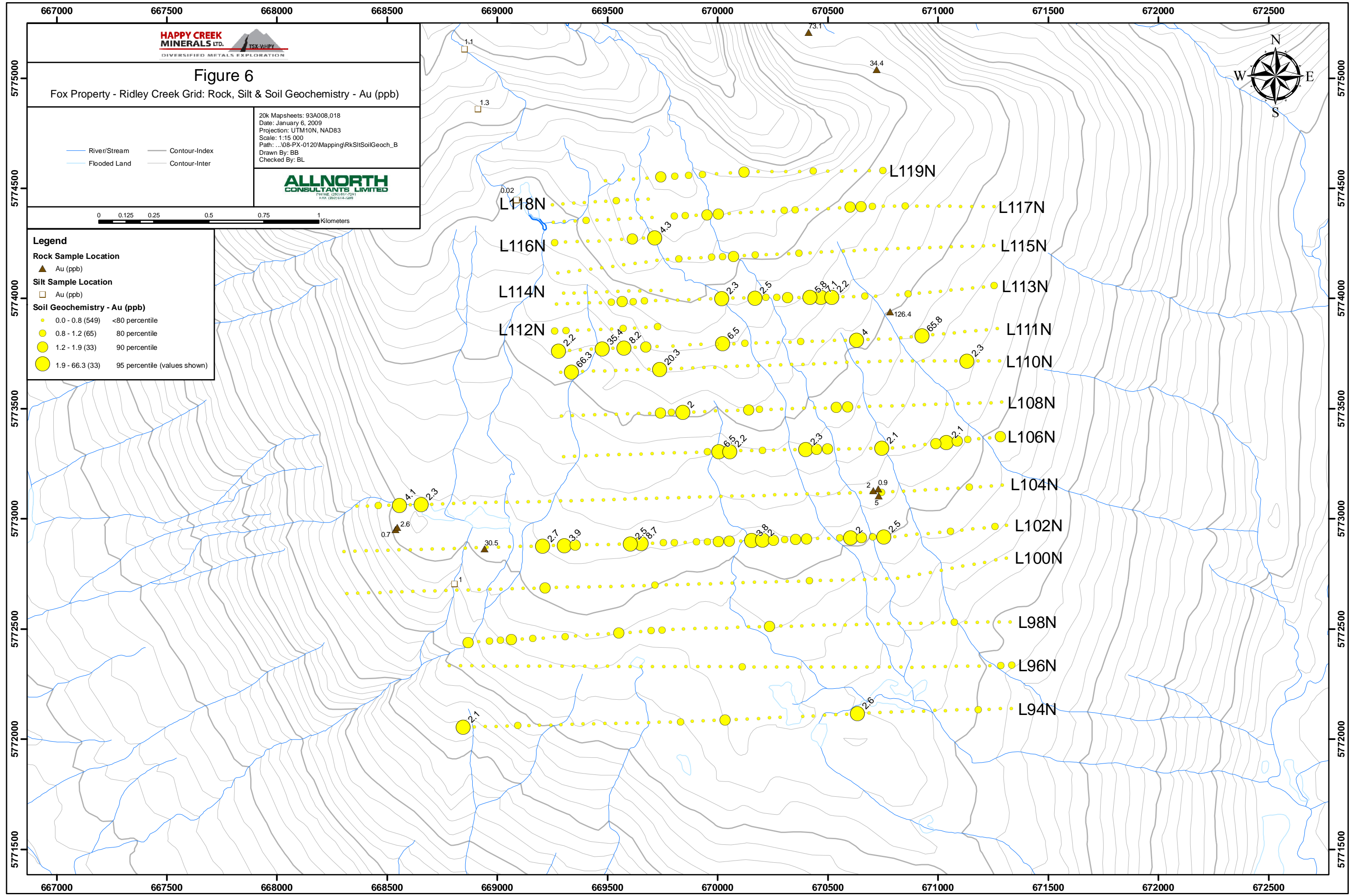
**Legend**

**Rock Sample Location**  
 ▲ Au (ppb)

**Silt Sample Location**  
 □ Au (ppb)

**Soil Geochemistry - Au (ppb)**

● 0.0 - 0.8 (549)	<80 percentile
● 0.8 - 1.2 (65)	80 percentile
● 1.2 - 1.9 (33)	90 percentile
● 1.9 - 66.3 (33)	95 percentile (values shown)



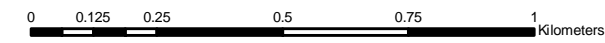
**Figure 7**

Fox Property - Ridley Creek Grid: Rock, Silt & Soil Geochemistry - Bi (ppm)

20k Mapsheets: 93A008\_018  
 Date: January 6, 2009  
 Projection: UTM10N, NAD83  
 Scale: 1:15 000  
 Path: ...108-PX-0120\Mapping\RkSiltSoilGeochem\_B  
 Drawn By: BB  
 Checked By: BL



- River/Stream
- Flooded Land
- Contour-Index
- Contour-Inter



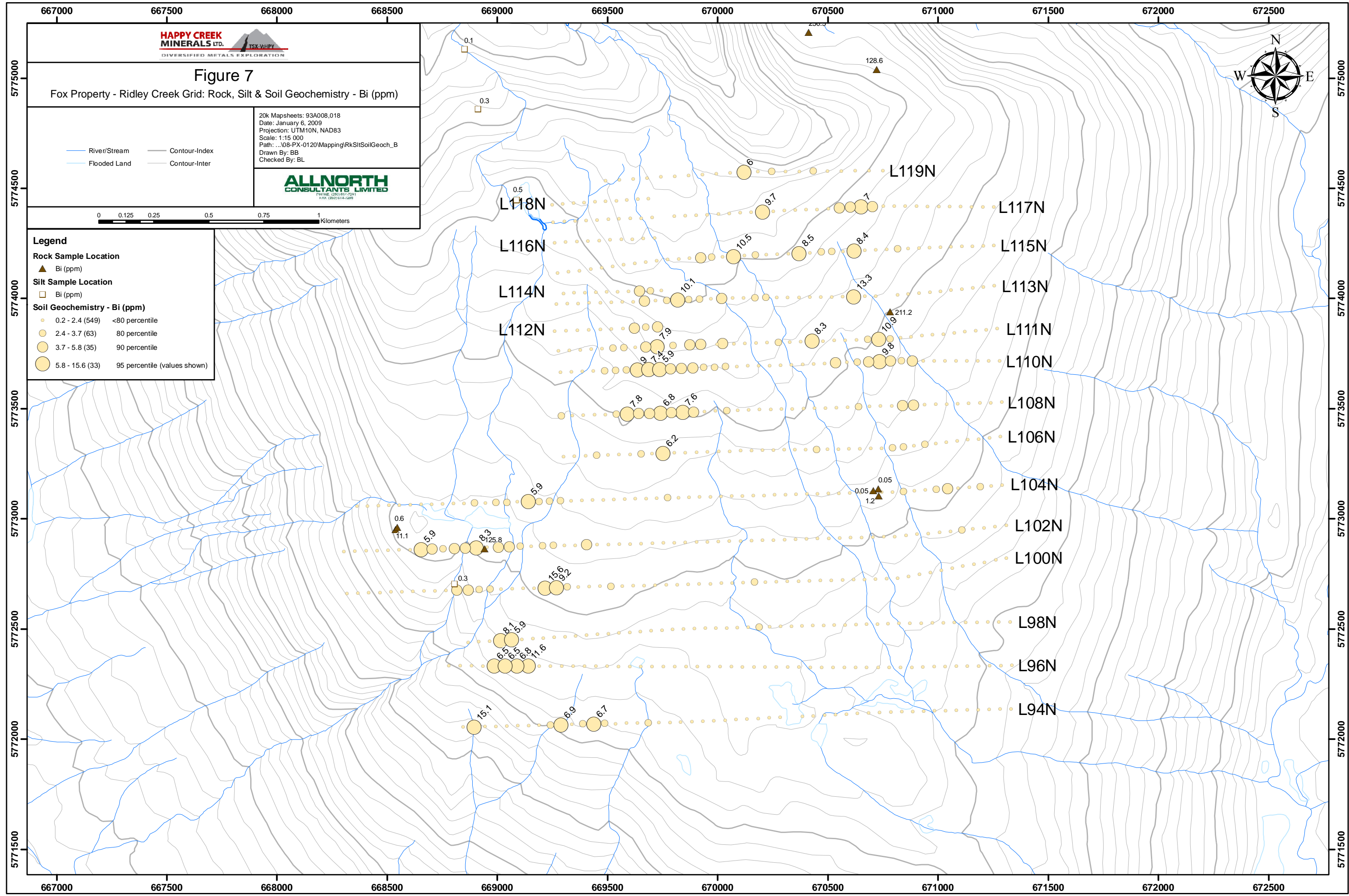
**Legend**

**Rock Sample Location**  
 ▲ Bi (ppm)

**Silt Sample Location**  
 □ Bi (ppm)

**Soil Geochemistry - Bi (ppm)**

● 0.2 - 2.4 (549)	<80 percentile
● 2.4 - 3.7 (63)	80 percentile
● 3.7 - 5.8 (35)	90 percentile
● 5.8 - 15.6 (33)	95 percentile (values shown)



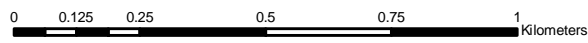
### Figure 8

Fox Property - Ridley Creek Grid: Rock, Silt & Soil Geochemistry - Mo (ppm)

20k Mapsheets: 93A008\_018  
 Date: January 6, 2009  
 Projection: UTM10N, NAD83  
 Scale: 1:15 000  
 Path: ...108-PX-0120\Mapping\RkSiltSoilGeochem\_B  
 Drawn By: BB  
 Checked By: BL



- River/Stream
- Flooded Land
- Contour-Index
- Contour-Inter



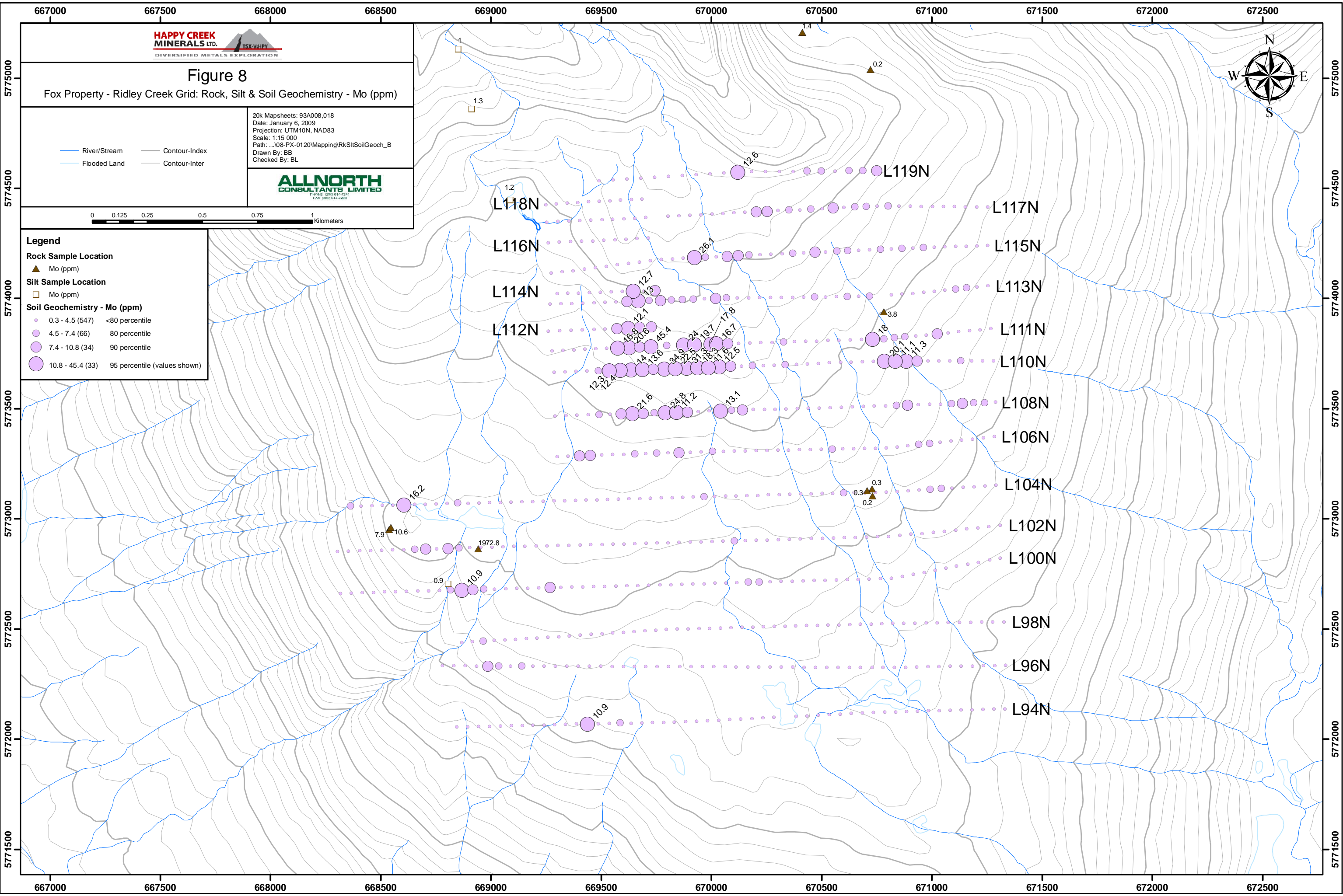
**Legend**

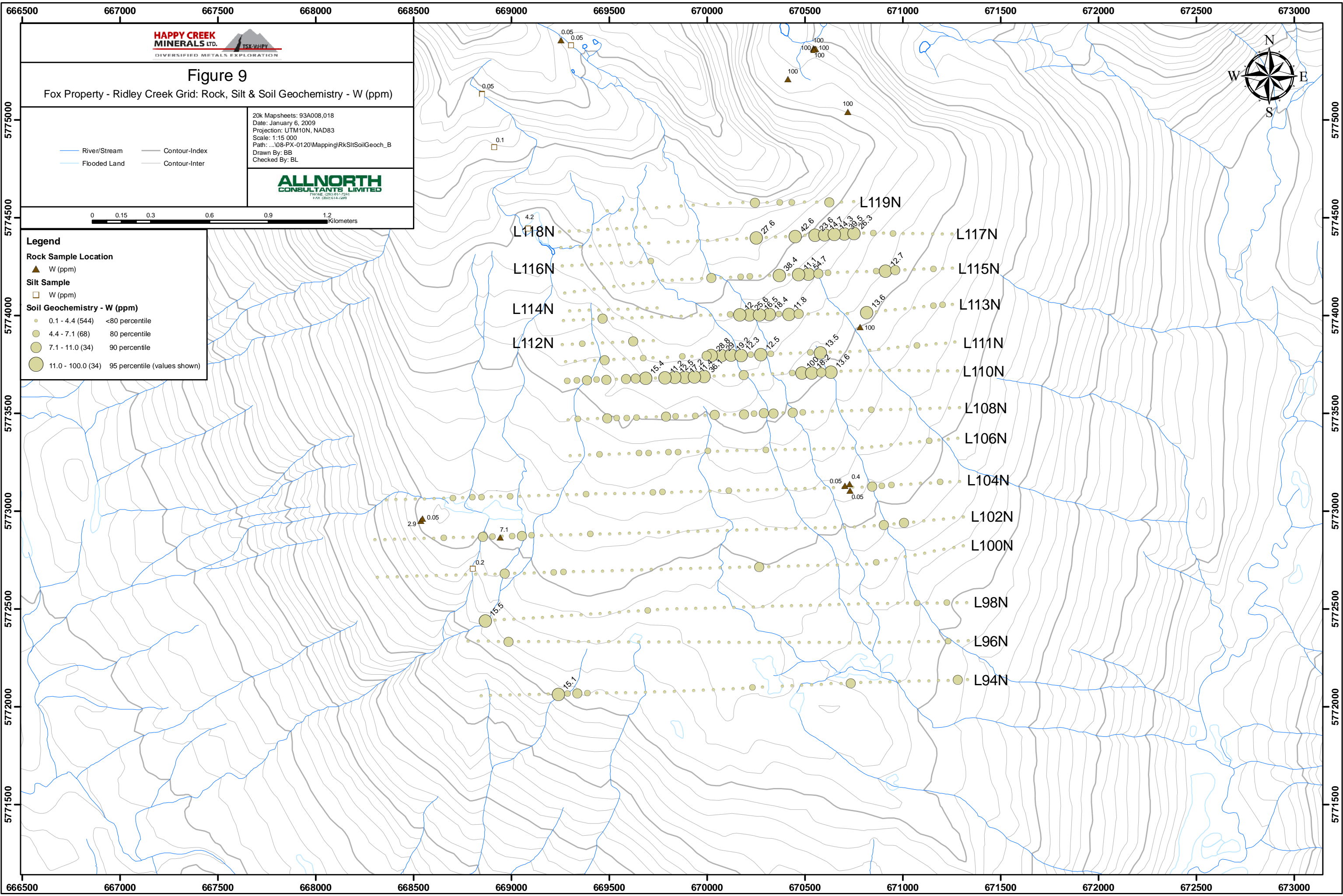
**Rock Sample Location**  
 ▲ Mo (ppm)

**Silt Sample Location**  
 ◻ Mo (ppm)

**Soil Geochemistry - Mo (ppm)**

● 0.3 - 4.5 (547)	<80 percentile
● 4.5 - 7.4 (66)	80 percentile
● 7.4 - 10.8 (34)	90 percentile
● 10.8 - 45.4 (33)	95 percentile (values shown)





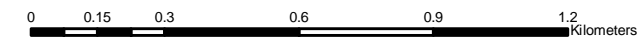
### Figure 9

Fox Property - Ridley Creek Grid: Rock, Silt & Soil Geochemistry - W (ppm)

20k Mapsheets: 93A008\_018  
Date: January 6, 2009  
Projection: UTM10N, NAD83  
Scale: 1:15 000  
Path: ...108-PX-0120\Mapping\RkSiltSoilGeochem\_B  
Drawn By: BB  
Checked By: BL



- River/Stream
- Flooded Land
- Contour-Index
- Contour-Inter



**Legend**

**Rock Sample Location**

- ▲ W (ppm)

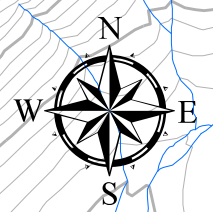
**Silt Sample**

- W (ppm)

**Soil Geochemistry - W (ppm)**

●	0.1 - 4.4 (544)	<80 percentile
●	4.4 - 7.1 (68)	80 percentile
●	7.1 - 11.0 (34)	90 percentile
●	11.0 - 100.0 (34)	95 percentile (values shown)

L119N  
L118N  
L116N  
L114N  
L112N  
L117N  
L115N  
L113N  
L111N  
L110N  
L108N  
L106N  
L104N  
L102N  
L100N  
L98N  
L96N  
L94N



11 ppm W. The extreme northern limit of the anomaly coincides with the mapped Blann tungsten-molybdenum showing. A strong molybdenum anomaly is located in the northwest-central part of the soil grid and overlaps the main tungsten anomaly at the southwestern end. The anomaly measures approximately 500 m long and is of variable width, between 200 m and 400 m. It is a multi-point anomaly with soil values consistently greater than 10.8 ppm Mo. Small tungsten, molybdenum and bismuth soil anomalies on the southwest edge of the Ridley Creek grid area form clusters in close proximity to each other and may represent underlying skarn-altered calc-silicate.

Silt geochemical sampling on the north facing flank of Deception Mountain, approximately 2.5 km due west of the Black showing, returned a value of 23.9 ppm W. A follow-up evaluation of the catchment area, including detailed prospecting for bedrock tungsten mineralization, is required to explain the anomaly.

Rock geochemical sampling confirmed the high grades of tungsten encountered previously at the Black and Ridley Creek zones and established that high grade tungsten mineralization is commonly associated with elevated levels of bismuth, gold and zinc. A prospective molybdenum zone was identified on the west side of the Ridley Creek grid; a grab sample from the molybdenite-bearing quartz veins returned a value of 1973 ppm Mo. The area may represent a significant new molybdenum occurrence and further assessment of the area is required.

## 8. RECOMMENDATIONS

Additional exploration is warranted on the Fox property to fully investigate its potential to host economically attractive zones of tungsten-molybdenum skarn mineralization. The property also has potential for an underlying porphyry molybdenum system.

Follow-up exploration in the Ridley Creek area is warranted to explain coincident tungsten-molybdenum soil geochemical anomalies and to search for their bedrock source. Additional prospecting, mapping and geochemical sampling to further evaluate the Ridley Creek area should include:

- detailed prospecting, mapping and sampling of main tungsten anomaly to determine if bedrock host is present;
- molybdenum anomaly in central portion of grid; and cluster anomalies on the southwest edge of grid, in area of presumed granite/schist contact, should be prospected and mapped in detail to determine if bedrock host is present;
- other soil geochemical anomalies should be prospected and mapped in detail to locate their bedrock source. The southwest limit of the present grid could be expanded further west to cover a possible granite-schist contact.

Further work should include 500 lineal meters of surface trenching at the Black, Ridley Creek and Blann showings to confirm bedrock mineralization and determine the geometry and strike of mineralized horizons.

In addition, follow-up drilling is warranted at the Discovery-Nightcrawler-Creek zones on the south periphery of the Deception stock. Infill and step-out holes should be drilled in an attempt to: 1) expand the strike extent of the skarn altered calc-silicate horizons, 2) further explore the geometry of the sequence, and; 3) delineate structurally thickened skarn bodies. Recommendations for follow-up include step-out and infill NQ sized drill testing at the Discovery-Nightcrawler zones totalling 3500 meters. The following drill targets are proposed:

- three evenly spaced step-out holes on a fence southeast of hole 07F-05 to test for continuation of the stacked tungsten skarn horizons (200 m step-out);
- three evenly spaced step-out holes on a fence southeast of hole 07F-07 to test for continuation of the stacked tungsten skarn horizons (200 m step-out);
- two evenly spaced infill holes on section between hole 07F-08 and hole 07F-09 to test for continuity of strike between mineralized intervals encountered in those holes;
- two evenly spaced step-out holes on a fence northwest of hole 07F-09 to test for continuation of the stacked tungsten skarn horizons (200 m step-out).

Strong consideration should be given to planning and executing a multi-element radiometric airborne geophysical survey to map the intrusive contact and possibly identify anomalies that represent skarn and buried porphyry mineralization.

The total 2009 proposed exploration budget for the Fox property, exclusive of airborne geophysical surveys, is \$1.0 million.

**9. STATEMENT OF COSTS – 2008**

Period	March 15 2008- December 05 2008		
Wages	# days	\$/day	Totals
D. Blann, P.Eng	1	650.00	\$650.00
D Black- Prospector	10	325.00	\$3,250.00
T. Ridley - Field Tech	12	150.00	\$1,800.00
D. Ridley, Prospector	21	350.00	\$7,350.00
		\$ 225.00	\$0.00
	<u>44</u>		<u>\$13,050.00</u>
 <u>Disbursements</u>			
Truck - Black	9	100.00	\$900.00
Truck - Ridley	8	100.00	\$800.00
ATV - Black	1	75.00	\$75.00
ATV - Ridley		75.00	\$0.00
Trailer Rental			\$80.00
Room/Board	44	100.00	\$4,400.00
Sat and cell phone, radios - Communications	0	5.00	\$0.00
Field Supplies- saws, tools, safety, camp construction items, geological field equip			\$714.53
Fuel & propane			
Amortization of ATV's (HPY)			\$3,882.52
 <u>Analyses</u>			
Acme Analytical Laboratories			\$10,713.42
 <u>Contractors</u>			
Allnorth Consultants Limited			\$8,408.20
Hendex Exploration Services Ltd.			\$11,248.29
Yellowhead Helicopters Ltd.			\$21,259.00
Meridian Mapping Ltd.			\$165.00
Storage- core, camp, and equip			\$10,358.18
Shipping Bus, courier			\$217.75
Drafting & Reproductions			\$1,500.00
Report			\$3,500.00
			<u>\$78,221.89</u>
		Wages and Disbursements	\$91,271.89
		12% Management Fee	\$10,952.63
Total			<u>\$102,224.52</u>

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Thompson, G. (2006): NI43-101 Report on the Fox Property, SEDAR Report, Happy Creek Minerals Ltd, 27 pages.

## 11. STATEMENT OF QUALIFICATIONS

I, Ken MacDonald, P. Geo., residing in Prince George, British Columbia, do hereby certify that:

1. I am currently employed as a consulting geologist by:  
  
Allnorth Consultants Limited  
2011 PG Pulpmill Road  
Prince George, British Columbia, Canada  
V2L 4V1
2. I am a graduate of the University of Alberta (1987) with a Bachelor of Science degree with Specialization in Geology.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia and my license number is 23018.
4. I have practiced my profession continuously since graduation and have worked as a geologist for more than 20 years.
5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI-101") and certify that by reason of my education, affiliation with a professional organization (as defined in NI 43-101) and past relevant work experience, I fulfil the requirements to be a "qualified person" for the purposes of authoring an assessment report.
6. I am a co-author of the assessment report entitled "A Geological and Geochemical Report on the Fox Property", dated February, 2009.
7. I have not visited the Fox property, but did personally review and examine data gathered in 2007 and 2008 by field crews.
8. I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Happy Creek Minerals Ltd, in respect of services rendered in the preparation of this report.

Dated at: Prince George, British Columbia, this 13<sup>th</sup> day of FEB 2009.

  
\_\_\_\_\_  
Ken MacDonald, PGeo



**ALLNORTH CONSULTANTS LIMITED**

**STATEMENT OF QUALIFICATIONS (continued)**


I, Robert (Bob) A. Lane, residing in Prince George, British Columbia, do hereby certify that:

1. I am currently employed as a consulting geologist by:

Allnorth Consultants Limited  
2011 PG Pulpmill Road  
Prince George, British Columbia, Canada  
V2L 4V1

2. I did not visit the Fox property in 2008, but did personally review and examine data collected as a result of work completed on the property in 2008.
3. I did co-author the assessment report with Ken MacDonald and with the assistance of Mark Ralph who performed the bedrock mapping during a 6-day period in September, 2009.
4. I graduated from the University of British Columbia in 1990 with an MSc in Geology.
5. I am a Professional Geoscientist (PGeo) registered with the Association of Professional Engineers and Geoscientists of British Columbia, license #18993, and have been a member in good standing since 1992.
6. From 1990 until present I have been continuously employed as a geologist in the mining and mineral exploration sector.

Dated at: Prince George, British Columbia, this 13 day of February 2009.

  
Bob Lane, PGeo



**APPENDIX A**  
**2008 FIELD MAPPING NOTES**

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
FXMR143	670659	5775271	1850	10U	7	2mG		OC											
FXMR104	670474	5775573	1837	10U	5	2mGr		OC	168	85	QV	168	85	J1					Y
FXMR110	670652	5775870	1882	10U	9	2mGr	bSch	OC	180	30	bedding								
FXMR114	670662	5775950	1886	10U	7	2mGr	MS	OC	348	48	foliation	0	18	Co					
FXMR123	670682	5776154	1854	10U	6	2mGr		OC											
FXMR125	670683	5776197	1851	10U	6	2mGr		OC											
FXMR147	670655	5775182	1868	10U	7	2mGr	MS	OC											
FXMR156	670774	5774967	1900	10U	7	2mGr		OC											
FXMR160	670724	5774682	1910	10U	6	2mGr		OC											
FXMR165	670965	5774260	1826	10U	7	2mGr		FI											
FXMR166	670875	5774168	1827	10U	7	2mGr	Fint	OC											Y
FXMR167	670845	5774111	1825	10U	7	2mGr		OC											
FXMR168	670741	5773823	1804	10U	7	2mGr		OC											
FXMR026	670750	5774283	1851	10U	7	bGr		OC											
FXMR027	670739	5774106	1833	10U	6	bGr		OC											
FXMR029	670760	5773854	1798	10U	7	bGr		OC	165	90	QV	147	71	QV					
FXMR030	670761	5773719	1790	10U	6	bGr		OC	322	85	jointing								
FXMR032	670664	5773657	1798	10U	6	bGr		OC	170	80	QV								
FXMR034	670778	5773481	1776	10U	6	bGr		OC	160	90	jointing	160	90	QV					
FXMR042	670082	5774075	1900	10U	6	bGr		OC											
FXMR044	670340	5774098	1876	10U	7	bGr		OC											
FXMR045	670446	5774122	1873	10U	6	bGr		OC											
FXMR046	670442	5774099	1870	10U	6	bGr	bSch	OC	216	30	Co								
FXMR058	670681	5774007	1828	10U	7	bGr		OC											

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
FXMR065	670302	5773831	1853	10U	10	bGr		OC											
FXMR088	670714	5776252	1832	10U	7	bGr		OC											Y
FXMR089	670684	5776245	1845	10U	7	bGr	QV	OC	330	85	QV	330	85	J1					
FXMR101	670512	5775330	1840	10U	6	bGr		OC											
FXMR122	670669	5776109	1862	10U	6	bGr	2mSch	OC	15	62	jointing	138	85	QV					
FXMR138	670478	5775192	1852	10U	9	bGr	QV	OC	170	83	QV								
FXMR139	670526	5775312	1847	10U	9	bGr	Peg	OC											
FXMR037	670298	5774299	1914	10U	6	bSch		OC	182	42	foliation								
FXMR039	670183	5774177	1899	10U	8	bSch		OC	190	12	QV								
FXMR047	670463	5774097	1867	10U	6	bSch		OC											
FXMR054	670928	5774124	1810	10U	7	bSch		OC											
FXMR111	670641	5775884	1885	10U	7	bSch		OC	180	22	foliation								
FXMR113	670649	5775901	1886	10U	8	bSch	fDi	OC	185	12	Co								
FXMR117	670659	5776031	1873	10U	8	bSch	MS	OC	180	40	foliation								
FXMR120	670638	5776126	1869	10U	7	bSch	2mG	OC	220	10	foliation								
FXMR121	670643	5776126	1869	10U	7	bSch	2mSch	OC	180	18	foliation	158	30	QV					Y
FXMR135	670377	5775175	1857	10U	6	bSch		OC											
FXMR142	670640	5775268	1856	10U	7	bSch	siSch	OC											
FXMR152	670738	5775097	1865	10U	8	bSch	bsSch siSch	OC	166	22	foliation								
FXMR159	670770	5774725	1908	10U	6	bSch	bmSch	OC											
FXMR161	670760	5774519	1881	10U	7	bSch	bmSch	OC	355	46	foliation								
FXMR127	670643	5776221	1857	10U	6	bsiSch		OC											
FXMR048	670611	5774107	1847	10U	7	CS		OC											Y
FXMR066	670762	5773324	1760	10U	5	CS	Peg	OC											Y

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
FXMR068	670482	5777004	1966	10U	10	CS	bSch siSch	OC	237	4	foliation	170	40	foliation	50	70	Fa		
FXMR074	670518	5776519	1844	10U	8	CS	bSch fDi	OC	170	50	bedding	147	72	Co					Y x 2
FXMR076	670572	5776508	1842	10U	8	CS		OC	6	4	bedding								
FXMR077	670536	5776591	1845	10U	7	CS		SC											
FXMR078	670595	5776533	1837	10U	7	CS		OC	4	61	bedding	110		AP					
FXMR079	670582	5776530	1842	10U	7	CS		SC											
FXMR081	670534	5776480	1849	10U	7	CS		OC	186	43	bedding								
FXMR083	670561	5776494	1842	10U	8	CS	fDi	OC	302	26	Co								
FXMR084	670591	5776463	1840	10U	8	CS	Peg	OC	330	34	bedding	282	67	MF					
FXMR092	670415	5775293	1839	10U	11	CS	CS	OC	170	20	bedding				355	10	AP		
FXMR094	670514	5775370	1829	10U	8	CS	int	OC											
FXMR100	670544	5775325	1842	10U	7	CS	flnt	OC											
FXMR102	670427	5775457	1835	10U	5	CS		OC											Y
FXMR109	670596	5775757	1868	10U	10	CS	flnt	OC											
FXMR112	670617	5775869	1893	10U	10	CS		FI											
FXMR116	670614	5775975	1908	10U	7	CS	QZ	OC	280	22	fault								
FXMR137	670449	5775202	1849	10U	8	CS	bGr	OC											
FXMR148	670684	5775157	1870	10U	6	CS	2mGr	OC											
FXMR149	670701	5775143	1871	10U	6	CS		OC	177	51	foliation								
FXMR154	670720	5775040	1885	10U	6	CS	Gr	OC	166	45	bedding							827002	
FXMR155	670749	5775005	1892	10U	8	CS	QV	OC	346	5	AP								
FXMR162	670735	5774509	1882	10U	8	CS		OC											

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho	
FXMR163	670866	5774413	1851	10U	8	CS		Fl												Y
FXMR036	670401	5774579	1962	10U	10	Di	Ap	OC	357	22	foliation	188	12	Co	190	15	Fa			Y
FXMR067	670474	5777066	1980	10U	8	Di	bSch	OC	166	8	foliation	166	70	Co	166	8	QV			Y
FXMR070	670479	5776959	1950	10U	12	Di	MS	OC	180	41	foliation	126	54	Co	20	86	Fa			
FXMR072	670453	5776598	1861	10U	8	Di	bSch	OC	190	20	foliation	170	44	Co	190	20	QV			
FXMR040	670122	5774130	1898	10U	7	fDi		OC												Y
FXMR043	670173	5774070	1883	10U	10	fDi		OC												Y
FXMR106	670513	5775677	1860	10U	8	flnt		OC												
FXMR133	670358	5775232	1853	10U	6	flnt	QV	OC	172	34	QV									
FXMR141	670616	5775286	1855	10U	6	flnt	bGr	OC												
FXMR144	670677	5775245	1856	10U	7	flnt	2mGr	OC												Y
FXMR150	670716	5775144	1867	10U	6	flnt		OC												
FXMR075	670520	5776487	1857	10U	6	Gn	fDi	OC	194	46	foliation									
FXMR082	670555	5776480	1842	10U	7	Gn		OC												
FXMR031	670736	5773702	1794	10U	6	Gr		OC	154	74	QV	165	74	QV						
FXMR033	670705	5773569	1788	10U	6	Gr	CS	OC												

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
FXMR038	670293	5774284	1915	10U	6	Gr		OC											
FXMR140	670560	5775326	1845	10U	6	Int		OC											
FXMR028	670782	5773940	1807	10U	6	lGr		OC	146	62	QV							827001	
FXMR035	670773	5773322	1759	10U	6	lGr		OC	158	90	QV	158		Fa					
FXMR049	670642	5774110	1845	10U	8	lGr		OC											
FXMR050	670665	5774110	1847	10U	6	lGr		OC											
FXMR051	670723	5774105	1842	10U	6	lGr		OC											
FXMR052	670827	5774135	1827	10U	6	lGr		OC											
FXMR053	670876	5774121	1816	10U	6	lGr		OC	155	64	QV								
FXMR055	670946	5774025	1792	10U	7	lGr		OC	345	65	QV								
FXMR056	670830	5774032	1813	10U	7	lGr		OC											
FXMR057	670676	5774026	1827	10U	10	lGr		OC	55	20	Co								
FXMR059	670610	5774007	1839	10U	7	lGr		OC											
FXMR060	670514	5774038	1846	10U	7	lGr		OC											
FXMR063	670306	5773878	1853	10U	7	lGr		OC	335	60	jointing								
FXMR025	670690	5774622	1912	10U	7	Lms	Sk	OC	165	52	bedding								
FXMR103	670445	5775453	1838	10U	6	Lms		OC	208	20	bedding								Y
FXMR146	670683	5775194	1865	10U	6	Lms		OC	180	66	bedding								
FXMR153	670710	5775072	1874	10U	6	Lms	CS	OC	172	32	bedding	140	56	Dyke	140	56	QV		

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
FXMR096	670539	5775365	1828	10U	7	LS	fDi	OC	140	18	bedding	104	18	Co	164		Fa		
FXMR097	670564	5775366	1827	10U	8	LS	Gn	OC											
FXMR118	670618	5776120	1881	10U	17	Lsm		OC	185	30	bedding								
FXMR119	670627	5776132	1876	10U	10	Lsm	fDi	FI											
FXMR041	670101	5774100	1899	10U	6	mGrDi		OC	160	50	Co								
FXMR061	670512	5774042	1846	10U	8	MS		OC	147	20	bedding	147	20	Co	147	20	QV		
FXMR071	670467	5776939	1943	10U	9	MS	Am	OC	0	2	AP	190	10	AP	186	74	Fa		Y
FXMR085	670592	5776445	1844	10U	7	MS	Peg	OC											
FXMR086	670598	5776430	1844	10U	7	MS	Peg	OC											
FXMR090	670665	5776229	1850	10U	7	MS		OC	222	4	bedding								
FXMR091	670654	5776246	1849	10U	8	MS	Peg	OC	218	18	Co	242	4	bedding	355	10	AP		
FXMR095	670526	5775381	1824	10U	8	MS	bGr	OC	174	10	bedding								
FXMR099	670580	5775351	1830	10U	6	MS	fDi	OC											
FXMR107	670536	5775709	1869	10U	7	MS		OC	330	44	bedding								
FXMR108	670571	5775749	1868	10U	8	MS	mb Sch + Gn	SC											
FXMR115	670622	5775979	1902	10U	7	MS		OC	180	20	bedding								Y

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Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
FXMR124	670683	5776170	1853	10U	5	MS	2mG	OC											
FXMR126	670671	5776210	1852	10U	7	MS	2mG	OC											
FXMR128	670618	5776212	1874	10U	8	MS	Lms	OC	200	20	bedding								Y
FXMR129	670626	5776274	1854	10U	5	MS	Peg	OC	150	85	FL	320	5	FL					
FXMR130	670591	5776355	1854	10U	6	MS	MS	OC	336	14	bedding								
FXMR131	670585	5776348	1853	10U	7	MS	Int	Ta											Y
FXMR132	670590	5776378	1850	10U	6	MS		Ta											Y
FXMR134	670325	5775206	1863	10U	7	MS	2mGr	OC	190	2	bedding	190	2	Co					
FXMR136	670447	5775194	1852	10U	8	MS	CS	OC	327	2	bedding	37	58	fault					Y
FXMR145	670694	5775214	1861	10U	5	MS	2mGr	OC	188	44	bedding								
FXMR151	670744	5775134	1863	10U	7	MS	subGn	OC	180	30	bedding								
FXMR157	670764	5774924	1910	10U	6	MS	CS	OC											
FXMR158	670798	5774857	1917	10U	7	MS	2mGr	OC											
FXMR080	670525	5776477	1851	10U	7	Peg	MS	OC											
FXMR087	670796	5776376	1830	10U	7	Peg	MS	OC											
FXMR105	670513	5775661	1852	10U	8	QZ	bSch	OC											
FXMR062	670448	5773981	1847	10U	7	Sch	bSch gSch	OC											
FXMR064	670274	5773875	1857	10U	7	Sch	bSch gSch	OC	0	76	foliation	0	76	QV					
FXMR069	670476	5776971	1953	10U	8	Sch	bSch	OC	204	12	foliation								

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
FXMR073	670528	5776549	1844	10U	8	Sch	bSch	OC	8	50	foliation								
FXMR093	670453	5775321	1835	10U	11	Sch	bgSch bGr	OC	170	3	bedding								
FXMR098	670605	5775374	1821	10U	8	Sch	bSch/Gn	OC	340	5	axial plane								
FXMR164	670980	5774381	1831	10U	7	Sch		FI											
HeliPad1	670356	5775305	1808	10U	7			HP											
HeliPad2	670562	5777003	1953	10U	7			HP											
HeliPad3	670754	5776347		10U	7			HP											
HeliPad4	670674	5776497		10U	7			HP											
HeliPad5	670164	5774905		10U	7			HP											
HeliPadL103	670808	5773014		10U	7			HP											
HeliPadL111	670746	5773832	1797	10U	7			HP											
BL106-2700E	670788	5773318	1759	10U	7			St											
BL107-2700E	670784	5773418	1768	10U	7			St											
BL113-2700E	670766	5774017	1820	10U	7			St											
BL114-2700E	670759	5774116	1836	10U	7			St											
L108-1200E	669242	5773440	1791	10U	7			St											
L108-1600E	669684	5773460	1807	10U	7			St											
L108-2000E	670089	5773493	1822	10U	7			St											
L108-2600E	670689	5773509	1783	10U	7			St											
L111-1200E	669275	5773763	1830	10U	7			St											
L111-1400E	669467	5773777	1830	10U	7			St											
L111-1800E	669871	5773790	1875	10U	7			St											
L111-2000E	670074	5773792	1869	10U	7			St											
L111-2200E	670272	5773797	1854	10U	7			St											
L111-2225E	670303	5773804	1848	10U	7			St											
L111-2400E	670478	5773811	1825	10U	7			St											
L111-2600E	670688	5773822	1802	10U	7			St											
L113-2600E	670666	5774012	1829	10U	7			St											
L113-3000E	671063	5774054	1782	10U	7			St											
L113-3200E	671256	5774064	1759	10U	7			St											
L114-2000E	670070	5774065	1900	10U	7			St											
L114-2100E	670172	5774069	1887	10U	7			St											
L114-2375E	670442	5774090	1873	10U	7			St											
L114-2500E	670567	5774100	1849	10U	7			St											
L114-2900E	670972	5774127	1806	10U	7			St											
L114-3100E	671177	5774138	1779	10U	7			St											
L114-3175E	671251	5774139	1767	10U	7			St											
L115-2175E	670245	5774213	1912	10U	7			St											
L116-2250	670314	5774304	1913	10U	7			St											
L117-2425E	670412	5774422	1918	10U	7			St											

2008 Fox Field Mapping Stations

Station ID	Easting	Northing	Elev	Zone	+/-	Unit	Sub Unit	Outcrop/S ubcrop/Flo at/Till/Oth er	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Strike/ Fold Axis	Dip/ Plun ge	Type	Assay	Litho
L119-2375E	670344	5774588	1977	10U	7			St											
L138-2575E	670561	5776494	1842	10U	8			St											

2008 Fox Field Mapping Stations

Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR143		py 1%			2 Mica Granite outcrop along a 100m cliff. 0.5 to 2% <1mm to 1mm disseminated Pyrite with a black coating.
FXMR104					Felsic Intrusive with 3-5% muscovite and biotite. Salt and pepper appearance on weathered surface, white on fresh surface. Minor Quartz Veining which is parallel to jointing.
FXMR110					Massive greenish tan medium grained 2 mica Granite overlain by Biotite Schist. Contact is parallel to bedding. Bedding is somewhat warped.
FXMR114				Y	2 mica Granite overlain with Meta sedimentary rocks (contact measurement). Margin to the contact and within the intrusive the texture is generally pegmatic with books of muscovite up to 1cm. Contact is undulating but averages 000/18.
FXMR123					2 Mica Granite boulders and outcrops since last station. Texture is consistent, however, biotite has been increasing to 5-8% here. Rounded, blocky outcrop with a salt and pepper appearance on the weathered surface. Outcrop appears to plunge under over burden 10 m to the east of here.
FXMR125					2 Mica Granite starts here and continues west for at least 100m.
FXMR147					2 Mica Granite with Meta Sedimentary rocks to the east.
FXMR156					2 Mica Granite. Meta Sedimentary rocks in outcrop noted Since the last station - FXMR155. These Seds display very light folding.
FXMR160					2 Mica Granite.
FXMR165					Dominantly 2 Mica Granite since last station.
FXMR166					Significant outcrop In this area of Felsic Intrusive rock containing up to 5% muscovite and locally 2 Mica Granite.
FXMR167					2 Mica Granite since last station.
FXMR168					Remained in 2 Mica Granite since last station.
FXMR026					Granite with 5% biotite books 1-3mm in an interlocking intrusive texture with 40:60 Quartz:Grey to pink K-Spar. Only weathered crust was observed. Very tenacious. Weathering appears > 2cm thick.
FXMR027					Granite with similar or possibly deeper weathering then previous station. Several boulders (subcrop? Float?) of Calc Silicate where seen.
FXMR029		py tr			Two distinct set of Quartz Veins. One is off white with minor grey patches. The other is bull white, barren, with minor localized pink patches (hematite?). Pyrite occurs in the second set of veins as stained, euhedral, fine to medium grained disseminated cubic crystals of Pyrite. Hosted by Monzonite(?) or Leucocratic Granite(?).
FXMR030					Biotite Granite with a shallow (<2cm) light pink weathering crust. 2% 2-3mm biotite flakes and 40:50 Qz:Fld. Dominant jointing noted.
FXMR032					Biotite Granite with 10-15% localized 1-3mm books of biotite with localized patches and seams up to 50% biotite. 40:40 Qtz:Plag and medium grained. 1 biotite seam trends 42 degrees. Minor Quartz Veining.
FXMR034					Large Exposure of biotite Granite. Weathering permeates several cm into the host to impart a fleshy salmon pink color. Fresh material is very light and contains ~5-10% biotite books with 50:50 Qz:Plag. Medium grained. QV is bull white with minor subparallel <1cm off white barren veinlets of QV. Several O/C's scattered around area (see notes).
FXMR042					Biotite Granite - small plug? Medium to coarse grained and enclosed by metaseds to the East South and West.
FXMR044					Biotite Granite - Large 20m x 20m outcrop - medium grained with 5-10% biotite, 30% quartz, 60% Plagioclase feldspars. No veining.
FXMR045					Biotite Granite with a small 1m x 1m scab of Biotite Schist. Outcrop approximately 5m x 5m.
FXMR046					Biotite Granite overlain by Biotite Schist. Contact is shallow.
FXMR058					Biotite Granite - 8% biotite, 30% Quartz and 61% plagioclase feldspar. Blocky in outcrop. Forms resistant outcrops. Several seen over the last 50m.

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Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR065					Large 10m x 10m outcrop of Biotite Granite.
FXMR088		py tr			Biotite Granite - off white to grey, rounded and blocky weathering with a pinkish fresh surface. Trace sulphides (pyrite... other(?)). Contact with Meta Sedimentary rocks at least 20m east of here.
FXMR089					Biotite Granite with minor bullish Quartz Vein parallel to primary jointing plane. Unit sits above FXMR088
FXMR101					Biotite Granite - 5m x 5m outcrop. Unit continues for at least 40m to the west.
FXMR122				Y x 2	Biotite Granite - fine grained with 2-3% biotite. Pinkish weathering. Next to outcrop is an intensely crenulated biotite-muscovite schist (very deformed). Jointing measurement is within granite. QV (bullish and limonite stained) measurement is within granite. See pic and close up pic.
FXMR138		py tr			Biotite Granite with <1% biotite and trace (<0.1%) disseminated pyrite near and within veinlets emanating from major veins. Quartz Veins range from 160/75 to 180/90.
FXMR139					Biotite Granite (<1% biotite) with minor veins of Pegmatite. Since the last station - minor Meta Sedimentary float. Xenoliths with the Granite appear common. Minor pristine Calc Silicate in float. Majority of float since last station has been Biotite Granite.
FXMR037					biotite Schist with localized Quartz Veining along foliation (or remnant bedding.) Strike/dip is for foliation.
FXMR039				y	Biotite Schist with mod fol and up to 5% Quartz Veining parallel to foliation.
FXMR047					Biotite Schist.
FXMR054					Biotite Schist
FXMR111					Biotite Schist.
FXMR113					Biotite Schist approximately 3m wide cut by a minor felsic dike. Contact measurement if for dike/seds.
FXMR117					Biotite Schist interbedded with 1cm siliceous layers and Biotite-Muscovite Schist layers which are locally folded with pervasive crenulations. See notes for drawing.
FXMR120					Banded Biotite Schist with siliceous layers up to 1cm thick are cut by medium grained 2 mica Granite and possible fine grained felsic sills. Beds convergence towards the north in some sections - on laps or most likely tight folding..
FXMR121					15m wide section of Biotite Schist with siliceous layers and 2 mica schist. Cut by sub parallel to bedding Quartz Veins. Type sample is of Pegmatic float.
FXMR135					Small exposure of Biotite Schist approximately 2m wide. Limonitic stain in lowest bed.
FXMR142					Intensely folded Biotite Schists and Biotite-Siliceous Schists cut by planar 20cm wide Felsic Dikes.
FXMR152		py tr			Biotite Schist with distinct silica layers and with minor pyrite. Approximately 20m west of here the Schists are overlain by Biotite-Siliceous Schist.
FXMR159					Biotite Schist and Biotite-Muscovite Schist with siliceous layers. Outcrop is approximately 20-30m long and 10m wide in section. Bedding strike approximately 176 degrees. Minor Quartz Veining along bedding. Secondary cleavage is crenulated. Beds are likely folded.
FXMR161					large disperse outcrop approximately 20m wide.
FXMR127					Dominantly Biotite Siliceous Schist (with resistive siliceous layers <1cm wide) in this area. Section appears to be at least 10m thick. Strong evidence for tight folding in this area (on laps, repetition(?), minor crenulations).
FXMR048	Calc-Sil				Calc Silicate (?) felsic intrusive (?) - single 20m x 3 m outcrop trending 350 degrees. Approximately 5% Quartz Veins.
FXMR066	Skn	sp tr			Pale with a localized brown stain (limonite?). 1% disseminated black sphalerite (?). No scheelite observed with UV lamp. Appears sugary textured and possibly recrystallized. Unit is <1m. 3m to the south is a small outcrop of White pegmatite.

2008 Fox Field Mapping Stations

Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR068	Skn				10m Thick section of Calc Silicate with localized <1cm thick Quartz-Biotite Schist. Some beds display a spotty limonitic stain. Unit is a light green with 2-3% light golden micas (stained?) and limonitic staining on the parting planes. Bedding is folded, locally crenulated and possibly offset with the cliff forming from the fault plane. Quartz Veining is as per FXMR067. Bedding below the fault - footwall - 237/04 and above - hanging wall - 170/40. Crenulation cleavage 010/72.
FXMR074	Calc-Sil			Y	Calc Silicate bed approximately 1.5m in width with a weak Biotite Schist sitting on top. Characterized by thin resistant seams approximately 1cm thick within a highly recessive layers/bands/and seams 1 to 5cm thick. Base is dominantly this recessive layer. Pic is facing west. Type sample A is from the lowest layer. Type sample B is from a narrow 14cm felsic dyke. The contact measurement is between the Dike and the host.
FXMR076	Calc-Sil				Calc Silicate with undulating, crenulated bedding and resistant layers/recessive layers similar to those observed in the lowest unit in FXMR074. Minor Scheelite.
FXMR077	Calc-Sil				Calc Silicate similar to the upper section of FXMR074. Bedding of 280/16 but this is most likely subcrop to float. Cut by a 10cm bullish Quartz Vein which is sub parallel to bedding and cuts across bedding further along strike.
FXMR078	Skn			Y	Calc Silicate - Character similar to both the upper and lower sections in FXMR074. Small thrust style offset (see pic - faces north). This texture is apparent in all layers. This may be subcrop. Outcrop of Calc Silicate 10m south has a bedding of 004/61 and a 15cm bullish Quartz Vein at 306/72.
FXMR079	Skn			Y	Calc Silicate - with 30% resistive layers and 70% resistive layers. May be subcrop. Calc Silicates have been noted in subcrop since FXMR077 with up to 50% exposure. Bedding may be at 248/10. Some sections, especially the recessive layers, show lensing or boudining of layers. See pic.
FXMR081	Skn				Calc Silicate with 70% recessive and 30% resistant layers.
FXMR083	Skn				Calc Silicate - with approximately 10% felsic Dike.
FXMR084	Skn-Peg	sh			Intrusive Pegmatite - Calc Silicate contact (not observed); Intrusive to the west and Calc Silicate to the east. High grade Tungsten noted in the Calc silicates and on one mineralized fracture within the pegmatite.
FXMR092	Skn				Minor 1m wide Calc Silicate bed, underlain by a clean, coarse grained Calc Silicate of unknown width.
FXMR094					intrusive(?) Calc Silicate (?) - Very felsic but grains difficult to spot. Possibly recrystallized.
FXMR100					Rusty Calc Silicate with a felsic Intrusive to the east.
FXMR102	Calc-Sil			Y	White Calc Silicate with large nodules 1-2cm wide on a plane which cross cuts bedding. Could this be a large boulder?
FXMR109	Skn	sh			Calc Silicate bed of undermined width but at least 4m wide. Minor Scheelite seen with UV. Felsic Sill sits on top of bed further to the south. Calc Silicate is locally limonitic and friable. Dip averages ENE and dips 10-30 degrees. Underlain by Biotite Schist seen 10m to the north.
FXMR112					Calc Silicate Float.
FXMR116	Calc-Sil			Y	Calc Silicate with minor tight folding in the lower limb? Possible thrust plane (fault measurement). Quartzite in the upper limb. Type sample from nearby float (20m south) and upper limb.
FXMR137				Y	Strange outcrop. Layers of Calc Silicate pinch out in a curved fashion and are bounded by bGr. See drawing in notes and pic.
FXMR148					1m section of Calc Silicate - Meta Sedimentary rocks enveloped by 2 Mica Granite and cut by a dike/sill of Pegmatite.
FXMR149					Limestone/Marble subcrop 2m to the east.
FXMR154	Skn	sh		Y	Leached, weakly limonitic Calc Silicate.
FXMR155	Calc-Sil				Moderate Scheelite (under UV lamp) in Calc Silicate found directly on horse trail. Outcrop has a spotty limonitic stain over 1m. Assay sample 827002 taken from 2 small zones approximately 20cm across each. May be subcrop. Bedding ranges from 160/0-90 deg. Granite outcrops noted 5m to the east.
FXMR162	Skn	sh			Limonitic staining on Calc Silicate. Section is recessive. Cut by a boudins of Quartz Veins. May be subcrop. No Scheelite noted. 3m south of here is a tightly folded section of Calc Silicate.
					Calc Silicate in the Blann Showing. High grade Scheelite.

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Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR163					Several limonitic boulders of Calc Silicate (uncertain due to degree of staining).
FXMR036	Skn			Y	Narrow 1-2m wide aplite(?) Dike or Sill. Sub parallel to foliation. Light green to pinkish with minor muscovite (<1%). Contact between the Dike and the Schist is undulating but averages approximately 188/12. Bounded by schist with a similar strike and dip. A low angle fault sits directly below the dike with a strike/Dip of 190/15 (appears parallel to bedding). Bedding below the fault sits at 357/22. See notes for drawing.
FXMR067	QV				2m wide medium grained siliceous dike with trace sub millimeter tourmaline crystals. This dike is hosted by Quartz-Biotite Schist. Quartz Veins are generally parallel with bedding but can, at times, cut remnant bedding. Quartz Veins are also commonly convoluted, boudined, discontinuous, and possibly folded.
FXMR070					Dike as in FSMR 067 cutting Biotite Schist as in FXMR069. Bedding here is 180/41 and the contact with the dike is 126/54. It may be that this block is moved, however I would have expected the bedding to move out with a spalling boulder. Here the bedding moves in relative to other beds in the area. These beds also forms the Hanging wall to a fault to the west 020/86. 20m to the west of this fault sits a section of Quartzite (?) with thin Biotite Schist beds. This unit also hosts a localized zone of convoluted Quartz Veins which are semi transparent with a minor limonite stain. Included within the Quartz Veins are up to 10% fragments of Biotite Schists. Bedding in the footwall is 304/34.
FXMR072					1-2m Dike cutting Biotite Schist. Dike is cut by bedding parallel Quartz Veining. All units are also cut by a set of 3-4cm wide Quartz Veins. Rare, large 1 x 1/2 m Quartz boudins along contact with Dike and within meta sedimentary beds. One bedding parallel siliceous section up section about 5m may be a Sill of similar composition to the Dike and offsets the Dike.
FXMR040				Y x 2	Felsic Dike(?) Medium grained, light greenish with pale greenish tan crystals and minor to trace fine grained biotite. This unit is quite narrow (<5m) and appears whitish with a minor limonitic stain on the weathered surface. This dike cuts the geology to the west but appears more sill like to the east. Quartz veins are contorted here.
FXMR043					Felsic Dike - medium grained with trace biotite. This unit overlays a massive siliceous zone with 10-20% Biotite. This lower unit may be a Calc Silicate but no reaction to HCL.
FXMR106					Felsic intrusive with <1% biotite. Dike?
FXMR133					Felsic Intrusive (?) with 10% Quartz Veining.
FXMR141					Felsic Intrusive to Biotite Granite (biotite <1%) with a small 1m wide section of Biotite-Siliceous Schist overlying. Up section of the Schist is more Biotite Granite. Could these be sills of flnt or bGr?
FXMR144		sh tr			Felsic phase of 2 Mica Granite with <1% disseminated sphalerite (?) + Pyrite and minor interstitial carbonate. 10m south of here and surrounded by 2 Mica Granite sits a small (<1m in area) 'scab' of intensely foled Biotite Schist. Another 2m south sits a narrow Pegmatite or possibly a breccia zone with minor Scheelite. No Calc Silicate was observed but may be part of breccia(?). Type sample of disseminated Scheelite noted within intrusive.
FXMR150					Felsic Intrusive.
FXMR075				Y	Felsic Dike similar to FXMR074cutting meta sedimentary rocks. This section appears to overlay the Calc Silicates in FXMR074
FXMR082		po tr			Sub Gneiss to Biotite Schist with local veins of Poryrotite up to 5% in one small 1cm vein. Locally limonitic. Intrusive noted to the immediate South.
FXMR031	QV				Dense zone of Quartz veining. Dozens of QV ranging from bullish (up to 20cm wide - somewhat continuous) to narrow convoluted and rusty stained. Locally, the larger veins can 'blow out' into larger sweats. One vein appears to be ~%40 kaolinite or some other non-calcareous soft white opaque mineral. Section is approximately 25m wide. Hosted by altered Granite (?) - fleshy colored weathering, no biotite, medium grained.
FXMR033					Leucocratic Granite or Calc Silicate (?). Fleshy colored on fresh surface (weathering?). No veining. Small o/c 1X3m with < %5 biotite.

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Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR038					Granite contacting metaseds to the N and all along clockwise to the S, with the granite to the west and the sed to the N,E and S. See drawing in notes.
FXMR140		sp tr			Intrusive - Type sample taken from 10m to the west - note disseminated Sphalerite (?). Altered Calc Silicate or Intrusive (?).
FXMR028	QV	py tr		Y	Narrow 2cm Quartz Vein (Bull white, with dark grey sections, locally limonitically stained, especially near minor pyrite + other trace sulphides(?)). Hosted by Leucocratic Granite.
FXMR035	QV			Y	Large Exposure of leucocratic Granite (?) with up to 5% biotite. Bullish Quartz veining is convoluted and likely folded (up to 5% of O/C). Pic facing west along strike.
FXMR049					Leucocratic Granite - small 2m x 2m outcrop.
FXMR050					Leucocratic Granite - 1% biotite 10% quartz, >80% plagioclase feldspar. Large 40m x 40m outcrop field.
FXMR051					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite. Large boulder field with minor outcrop.
FXMR052					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite. Large boulder field with minor outcrop.
FXMR053					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite. Large boulder field with minor outcrop. Minor 1-3cm Quartz Veins.
FXMR055					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite. Large boulder field with minor outcrop. Minor Quartz Veining 3-8cm (x3). Continues as per 51 with a 50% outcrop ratio for another 100m to the north.
FXMR056					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite.
FXMR057					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite. Very large outcrop (20m N x 10m E) single flat plane on the side of the hill may be the upper contact of the intrusive with the overlaying Biotite schists.
FXMR059					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite.
FXMR060					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 3-4cm as a limonitic stain possibly after ankerite or dolomite. Minor Muscovite. Very large outcrop some 40m x 40m.
FXMR063					Leucocratic Granite or Calc silicate (?) - 10% quartz + ???. Surface weathering is similar to granite. Weathering penetrates 4-8cm as a limonitic stain possibly after ankerite or dolomite. Minor biotite. Forms a long 30m ridge 1/2m high along a jointing plane - 335/60.
FXMR025		sh			Narrow (30cm) bed of high tungstun. Limey, bounded up and down section by schist.
FXMR103	Mar			Y	Limestone - appears medium grained (recrystallized to marble?) with 1-3mm euhedral crystals of calcite interbedded with or hosting thinner <1cm bands of more resistant lime. Bed is at least 1m thick. Bedding is slightly variable in outcrop.
FXMR146	Mar				Limestone/Marble as per thick bed noted yesterday. Outcrop is 1m wide.
FXMR153	Mar				Banded Limestone/Marble interbedded with Calc Silicate. Strong reaction to HCL. Cut by a 5-10cm Quartz Vein (perhaps a pegmatite).

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Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR096	Skn	sh			High grade Tungsten showing (Ridley Creek). Limey Sedimentary rocks cut by a Felsic Dike or a small shoot from the nearby intrusive. This intrusive is sub parallel to bedding and may be best called a sill. Both bedding and contact measurements are approximate. 10m to the east of this waypoint sits a shallow undulating fault striking 164 degrees. Above this fault is generally highly anomalous under a UV lamp and somewhat gossanous. Below this fault is a 3m hole into the cliff face which may be man made.
FXMR097	Mar				From FXMR096 to here is a 10 foot wall with Limey Sedimentary rocks and sub Gneiss intruded by the same Dike/Sill as in FXMR096. Below this zone is a less felsic almost pegmatic intrusive. Limey mineralized section is approximately 8 to 12m wide, truncated by Dikes and cut by at least 1 shallow fault. See drawing in notes.
FXMR118	Mar			Y	Thick bed of Limestone/Marble. This bed is a minimum of 12m thick at this location.
FXMR119	Mar			Y	Large boulder of Limestone/Marble similar to previous station except with dikes and sills of felsic intrusive rock (almost pegmatitic). Locally folded and with a distinct separation of layers. Large 1m dike cuts Limestone/Marble 10m above in the cliff face (see pics).
FXMR041					Coarse grained Muscovite Granite Dike. Sub parallel to geology. Approximately 30m wide.
FXMR061					Meta sedimentary rocks contacting Granite. This outcrop demonstrates the relationship between the granite in the east and the meta seds to the west. Meta seds include garnet mica schist, Biotite Schist +/- Silica Schist. Penetrative foliation appears steeper then remnant bedding. Note that the exposed surface of the granite has a strike and dip of 136/15 and is very similar to bedding.
FXMR071				Y x 11	Spectacular location for the contact and folding relationships in this area. Locally intense asymmetric overturned folds primarily of Biotite-Quartz schists are common and easily observed along this cliff face. Rocks to the immediate west and underlying these metaseds appear unaffected by this folding. Faults within this section are generally seen as a rapid change in bedding relationships. No less then 4 faults following a similar strike but different dip were observed. The two axial plane measurements here are from the immediate east side of the fault measurement - 000/02 and the west side 190/10. Also noted here was a block or boudin of Amphibolite (?). See notes for drawing, Also from here is a panoramic set of the cliff face, and cirque wall to the west and south. Note the sharp contact line between the intensely deformed meta sedimentary rocks to the east overlying flat laying sedimentary rocks to the west.
FXMR085	Peg				Intrusive pegmatite - Meta Sedimentary rock contact. Undulating contact with intrusive to the east.
FXMR086	Peg				Dikes of intrusive Pegmatite cutting Meta Sedimentary rocks.
FXMR090					Meta Sedimentary rocks containing interbedded Sug Gneiss/Schist. May be subcrop but several other outcrops in the area show a similar orientation.
FXMR091	Peg			Y x 2	Asymmetric folding and Pegmatic Dike in Meta Sedimentary rocks. Contact is between Dike and host. Note pic with close up.
FXMR095					Possible contact or xenolith between Meta Sedimentary rocks (fine grained siliceous with a weak foliation) and Biotite Granite. Generally a flat or gentle west north west slope here that may represent the upper roof contact of the Biotite Granite with the host Meta Sedimentary rocks. These Meta Sedimentary rocks are also seen to the east of here.
FXMR099					Meta Sedimentary rocks consisting of Biotite Schist, Siliceous Meta Sedimentary layers, and Quartz seams are all cut by minor felsic Dikes and Sills. <30m to the west sits a 2m sequence of 50:50 recessive:resistive layered limey seds/Calc Silicate overlain by a felsic intrusive and truncated to the south by the same. Also 10% dikes. See drawing in notes.
FXMR107	Calc-Sil				Siliceous meta sedimentary rocks - either a high silica Calc Silicate or quartzite. Between here and FXMR106 are several boulders of felsic intrusive, Calc Silicate and meta sedimentary rocks.
FXMR108					Meta Sedimentary rocks consisting of Biotite and Muscovite Schists interbedded with Sub Gneissic rock. Slight warp in bedding. Most likely subcrop but may be outcrop.
FXMR115		po 1%			Dark grey siliceous Meta Sedimentary rock with 1-3% sulphides (pyrrhotite). Bedding is approximate.

2008 Fox Field Mapping Stations

Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR124				Y	Meta Sedimentary rocks - very tightly folded (isoclinal). 2 Mica Granite ends 10m towards last station.
FXMR126					Meta Sedimentary rocks to the west, 2 Mica Granite to the east.
FXMR128				Y x 2	4m thick section of thinly bedded Meta Sedimentary rocks including weak to sub Biotite Gneiss, Limestone/Marble up to 10cm wide and several siliceous limonitic layers ranging from 2cm to 20cm which decrease in width and frequency up section. Type sample is from the upper siliceous limonite layer. This section is overlain by a Limestone/Marble unit similar to the thick bed described previously.
FXMR129				Y x 2	Further evidence for Tight Folding in Meta Sedimentary rocks. Note: Dikes and Sills of Pegmatite cut all other aspects and are not folded. See pics and close up pic.
FXMR130					Interbedded, thinly bedded Biotite-Muscovite-Silica Schist. Siliceous layers are less than 1cm wide.
FXMR131					A collection of Meta Sedimentary rocks and Intrusive rocks with a variety of gossanous boulders - all in Talus. Type sample from gossanous boulders.
FXMR132					Float type sample out of Talus.
FXMR134				Y	5 - 30cm beds of siliceous Meta Sedimentary rocks including Biotite Schist with Biotite-Muscovite Schist near the contact with the 2 Mica Granite. Quartz Veins also lay parallel to bedding. The 2 Mica Granite may be a sill and starts to cut up section 20m south of here. Outcrop is 30m long along strike. See drawing in notes.
FXMR136		sh, sp		Y	Gently folded, interbedded Meta Sedimentary rocks including 2 x 20cm wide beds of Calc Silicate. At least 2 of the MS layers are intensely folded within this section. A cross cutting fault shows a stronger limonitic staining than the surrounding rocks and is mineralized with minor Scheelite (UV Lamp). Sphalerite up to 1% locally within a 1cm bed. Strike and dip of bedding was taken near the crest of the fold. Type sample taken from fault. See drawing in notes.
FXMR145					Meta Sedimentary rocks consisting mainly of Biotite Schists and heavily intruded by 2 Mica Granite as dikes and sills. This intrusive also outcrops on its own to the west and down slope.
FXMR151					Narrow beds of interbedded Biotite Schist, Biotite-Siliceous Schist and a 2m wide sub Gneiss. Bedding here is undulating with a frequency of approximately 30cm and as such the dip varies between 20 and 40 degrees. To the east sits a small 1m x 1m scab of Biotite Schist on top of larger granite outcrop. Overlain by Intrusive to the west.
FXMR157					Mixed Meta Sedimentary rocks. Granite 10 m to the south and 5m down section on this wall. Calc Silicates directly overlay this section and are overturned due to tight folding. Axial plane trends 168 deg.
FXMR158					Area of tight folding continues. Meta Sedimentary beds are commonly overturned and 'stacked'. Rarely, small windows of 2 Mica Granite crop out of the Meta Sedimentary rocks.
FXMR080					Felsic Pegmatite - Plag crystals up to 10cm long and intergrown and sometimes appearing like a stockwork on the weathered surface. Contact with the Meta Sedimentary rocks is within meters to the west of here.
FXMR087				Y	Intrusive Pegmatite has been tracked to this location and appears to continue towards the west. Contacts, where observed, are often irregular. Small selvages or xenoliths of Meta Sedimentary rocks are common within the Pegmatite at this location. Meta Sedimentary rocks in contact with this Pegmatite commonly host Pegmatic Dikes at least 10m away from the contact. This may be a large dike similar to, or directly related to, the one in the western wall of the Cirque (see photo). This unit trends 292 degrees and should be exposed at 280 degrees from here on the top of the cirque cliff in picture.
FXMR105					4m thick section of Quartzite/Calc Silicate (with a high silica content) in contorted bedding and overlying a biotite schist. Bedding averages a northerly strike with a shallow westerly dip component.
FXMR062					Overburden since last station.
FXMR064					Interbedded Biotite+/-garnet schist. Localized Quartz Veins comprise over 40% of rock over 2m in width. To the south is a 1/2m wide section of gneiss to sub gneiss with foliation following remnant bedding.
FXMR069					Biotite Schist with a weak schistosity and mica often sub parallel - weak crenulation. Deeply weathered (nothing fresh seen).

2008 Fox Field Mapping Stations

Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
FXMR073				Y	Biotite Schist. Picture is looking north toward FSMR071 in behind hill.
FXMR093					Intrusive contact with limey beds and Sch. Trace spotty limonite stain. Contact appears irregular but may trend N-S. Significant Biotite-Garnet Schist. So far this intrusive has been spotty in outcrop within Schists (may be a dike swarm or near roof of intrusive).
FXMR098	Peg			Y x 3	Further to the east and down section is a tightly folded sequence of Biotite Schist +/- Sub Gneiss + Quartz veining. Further west approximately 5m is a striking fold set which may show the thrust plane. Also boudins of ????. Pegmatic Dikes are approximately 11cm wide, cuts folds, and appears unaffected by folding. These Dikes may have utilized previous structures as can be seen in the photos.
FXMR164					After zig zagging from the Blann showing - float of various Schists with this location being the first instance of 2 Mica Granite in float. No outcrop observed.
HeliPad1					
HeliPad2					
HeliPad3					
HeliPad4					
HeliPad5					
HeliPadL103					
HeliPadL111					
BL106-2700E					
BL107-2700E					
BL113-2700E					
BL114-2700E					
L108-1200E					
L108-1600E					
L108-2000E					
L108-2600E					
L111-1200E					
L111-1400E					
L111-1800E					
L111-2000E					
L111-2200E					
L111-2225E					
L111-2400E					
L111-2600E					
L113-2600E					
L113-3000E					
L113-3200E					
L114-2000E					
L114-2100E					
L114-2375E					
L114-2500E					
L114-2900E					
L114-3100E					
L114-3175E					
L115-2175E					
L116-2250					
L117-2425E					

2008 Fox Field Mapping Stations

Station ID	Alteration Code	Economic Minerals Code		Pic?	Description
L119-2375E					
L138-2575E					

## 2008 Field Mapping Codes

### Geology Abbreviations

#### Geology

bSch	Biotite Schist
bmSch	Biotite-Muscovite Schist
bsiSch	Biotite-Silica Schist
CS	Calc-Silicate
Lms	LimeStone
Mar	Marble
hLms	Hybride Limestone
Sk	Skarn
LS	Limey Seds
MS	MetaSeds
QZ	Quartzite
Am	Amphibolite
Gn	Gneiss

#### STRUCTURAL

TF	Tight Folding
AP	Axial Plane of fold
FL	Plane of fold Limb
Co	Contact
Fa	Fault
Fo	Foliation
Cl	Cleavage
Fr	Fracture

#### INTRUSIVE

bGr	Biotite Granite
lGr	Leucocratic Granite
Gr	Granite - unclassified
ApD	Aplite Dyke
fInt	Felsic Intrusive
fDi	Felsic Dike
Di	Dike - Unclassified
Peg	Pegmatite
2mG	2 Mica (Biotite/Muscovite) Granite

#### Other

Ukn	Unknown or mixed
MF	Mineralized fracture

**APPENDIX B**  
**SILT AND ROCK SAMPLE LOCATIONS**  
**WITH GEOCHEMICAL RESULTS**

Fox Property - 2008 Reconnaissance Rock Geochemical Samples

Sample	Easting	Northing	Description	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ni (ppm)	Co (ppm)	Mn (ppm)	Fe (%)	As (ppm)	U (ppm)	Au (ppb)	Th (ppm)
493390	670728	5773137	grab 50 cm calc-silicate with 15 cm sulphide-skarn layer (2% po); 350/80W	0.3	45.3	89.1	203	0.2	61.6	19.2	285	2.96	<0.5	0.3	0.9	1.2
493391	670705	5773129	grab 1 m marble unit with 1-2 cm beds of f-grained green skarn and trace sulphides; 022/80E	0.3	14.7	42.8	70	<0.1	6.2	5.2	313	0.99	0.6	<0.1	2.0	0.1
493392	670730	5773104	grab subcrop rubble; qtz-garnet skarn continue from 493390	0.2	8.2	34.8	48	<0.1	1.9	1.1	390	0.96	<0.5	0.1	5.0	<0.1
493393	669254	5775408	grab outcrop rubble; qtz and granite peg with f-grained black metallic mineral	0.1	31.5	31.1	43	0.2	5.4	4.2	53	1.50	2.9	0.4	3.4	3.1
493394	668942	5772865	grab subcrop rubble; "high-grade" moly-bearing qtz in muscovite-rich granite; possible greisen? Many northerly trending veins	1972.8	2.5	35.0	39	1.4	0.6	0.1	39	0.30	0.6	0.8	30.5	0.5
493395	668538	5772951	grab talus rubble; vuggy dogtooth qtz in musc granite; tr Mo; vein set trends 340/75E	7.9	1.6	15.8	58	0.5	0.6	0.1	23	0.33	29.4	1.2	0.7	0.7
493396	668545	5772961	grab talus rubble; vuggy dogtooth qtz in musc granite; tr Mo	10.6	7.0	22.9	48	<0.1	0.6	0.1	30	0.63	0.8	0.6	2.6	1.0
493397	670489	5776716	grab large angular boulders, possible subcrop; skarned marble and calc-sil beds; folded; tr W with lamp; north of Black showing	0.5	3.3	8.0	42	<0.1	10.3	3.9	203	0.77	<0.5	1.8	0.02	1.3
493398	670597	5776456	grab 1 m outcrop; poorly exposed rusty, sulphide-rich schist and skarn; po, minor sphal; good W with lamp; Black showing	1.2	237.5	9.8	1839	2.0	17.6	5.9	462	5.36	0.8	5.7	72.7	2.7
493399	670602	5776456	grab 0.5m outcrop; skarned calc-sil with minor po; good W with lamp; Black showing	11.5	64.0	6.8	1930	0.8	13.7	4.3	860	2.53	1.0	2.7	21.7	1.8
493400	670582	5776447	grab subcrop rubble; rusty skarn and limonitic "grunge"; minor po, good W with lamp in some sections; southern-most exposure of Black showing	1.3	682.5	8.4	1063	2.8	10.1	5.3	558	8.63	<0.5	2.2	211.4	3.6
151591	670631	5776472	semi-ang float @ old samples 493476 and 493477; altered sediments; eastern extension of Black showing?	1.2	167.4	9.5	29	2.9	2.7	0.6	283	4.41	<0.5	3.4	135.8	4.1
151592	670591	5776462	1m grab outcrop; skarn; good W with lamp; Black showing	3.0	42.1	6.8	729	0.4	7.8	2.8	713	1.67	<0.5	2.2	23.1	2.3
151593	670591	5776464	1m grab outcrop; skarn; good W with lamp; Black showing	1.6	14.4	5.6	125	0.1	10.9	4.1	524	1.05	0.8	1.5	1.4	2.3
151594	670581	5776462	1m grab outcrop; skarn; good W with lamp; Black showing	2.3	89.5	4.4	6346	2.1	6.0	2.6	705	3.68	0.8	1.4	155.1	2.2
151595	670604	5776453	18cm grab outcrop; rusty skarn; Black showing	1.9	115.2	9.9	7566	1.6	17.9	5.7	2004	3.52	<0.5	1.4	68.9	2.7
FX08DR-1	670543	5775364	chip-grab 1.3m rock face; rusty skarn and limonitic "grunge"; minor po-sphal; good W with light; Ridley showing	44.6	7.1	6.7	46	0.4	1.0	0.2	39	0.55	0.8	1.4	30.7	1.3
FX08DR-2	670548	5775362	chip-grab 3.5m rock face; rusty skarn and limonitic "grunge"; minor po-sphal; good W with light; Ridley showing; old sample 184373	1.0	37.9	4.1	74	<0.1	10.4	4.7	518	1.85	<0.5	2.7	6.9	2.6
FX08DR-3	670553	5775362	chip-grab 2.5m rock face; rusty skarn and limonitic grunge with lesser qtz veins and narrow musc granite dyke; Ridley showing	1.2	91.0	13.2	78	0.6	20.6	7.0	465	2.74	0.5	1.2	8.4	5.2
FX08DR-4	670546	5775359	grab 1m outcrop; rusty limonitic grunge and skarn; minor po; Ridley showing	2.0	94.2	11.9	3823	1.2	15.5	5.5	812	3.09	<0.5	2.7	85.5	3.8
FX08DR-5	670412	5775208	grab subcrop rubble; rusty skarn minor po-sphal; minor W with light; western extension of beds @ Ridley showing?	1.4	147.6	3.7	1254	1.2	8.9	4.0	948	3.10	0.7	4.9	73.1	4.9
827001	670782	5773940	Narrow 2cm Quartz Vein (Bull white, with dark grey sections, locally limonitically stained, especially near minor pyrite + other trace sulphides(?)). Hosted by	3.8	110.5	5.0	81	1.3	6.4	3.5	460	3.43	<0.5	2.4	126.4	6.0
827002	670720	5775040	Moderate Scheelite (under UV lamp) in Calc Silicate found directly on horse trail. Outcrop has a spotty limonitic stain over 1m. Assay sample 827002 taken from 2 small zones approximately 20cm across each. May be subcrop. Bedding ranges from 160/0-90 deg. Granite outcrops noted 5m to the east.	0.2	66.2	3.7	1795	0.7	17.3	9.5	2737	2.97	0.8	7.7	34.4	6.6
4422	671030	5769353		1.9	16.9	4.1	47	<0.1	10.7	7.1	330	1.81	2.2	1.8	0.8	11.4
4423	671031	5769381		1.5	60.2	2.1	98	0.9	9.1	4.7	274	1.27	0.7	1.3	83.4	4.4

Fox Property - 2008 Reconnaissance Rock Geochemical Samples

Sample	Sr (ppm)	Cd (ppm)	Sb (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)	Mg (%)	Ba (ppm)	Ti (%)	B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	W (%)	Hg (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Ga (ppm)	Se (ppm)
493390	557	0.6	<0.1	0.05	31	6.59	0.126	5	68	0.43	19	0.082	<20	4.08	0.262	0.15	0.4		0.02	1.9	<0.1	0.64	11	<0.5
493391	483	0.3	<0.1	0.05	5	10.88	0.281	1	2	0.24	25	0.026	<20	1.76	0.102	0.02	0.1		<0.01	0.4	0.1	0.06	4	<0.5
493392	1751	0.2	<0.1	1.2	8	6.20	0.058	<1	6	0.08	37	0.007	<20	5.56	0.101	0.03	0.1		0.02	0.4	<0.1	<0.05	12	<0.5
493393	14	0.2	0.7	0.05	<2	0.25	0.024	4	5	0.02	9	0.001	<20	0.19	0.062	0.04	0.1		<0.01	0.4	<0.1	0.22	<1	0.6
493394	6	0.7	0.9	125.8	<2	0.10	0.040	1	6	<0.01	6	<0.001	<20	0.08	0.008	0.06	7.1		0.01	0.1	<0.1	0.13	<1	0.5
493395	2	1.4	1.0	11.1	<2	0.03	0.016	2	10	<0.01	7	<0.001	<20	0.06	0.003	0.04	2.9		<0.01	0.2	<0.1	<0.05	<1	<0.5
493396	3	0.2	0.2	0.6	<2	0.04	0.023	2	7	0.01	7	<0.001	<20	0.06	0.009	0.04	0.1		<0.01	0.1	<0.1	<0.05	<1	<0.5
493397	220	0.3	0.3	7.7	16	6.81	0.112	5	17	0.14	12	0.050	<20	2.05	0.184	0.02	6.2		<0.01	1.3	<0.1	<0.05	7	<0.5
493398	247	58.9	0.3	330.9	10	2.00	0.096	10	35	0.58	22	0.034	<20	3.24	0.225	0.10	>100.0	1.166	<0.01	3.1	0.1	2.96	18	1.8
493399	142	68.4	0.3	233.8	11	2.24	0.105	9	12	0.22	14	0.033	<20	1.69	0.101	0.02	>100.0	2.562	<0.01	1.5	<0.1	0.58	9	0.5
493400	408	39.7	<0.1	483.0	<2	1.79	0.140	9	10	0.19	34	0.025	<20	2.45	0.335	0.02	>100.0	1.037	<0.01	1.3	<0.1	4.48	15	2.5
151591	66	0.5	1.0	448.6	8	0.71	0.106	10	17	0.36	12	0.012	<20	1.59	0.145	0.05	>100.0	0.872	<0.01	2.2	<0.1	0.15	17	1.8
151592	294	22.3	0.4	118.8	9	3.67	0.135	9	11	0.20	39	0.023	<20	3.39	0.233	0.02	>100.0	1.267	<0.01	1.5	<0.1	0.45	22	0.5
151593	477	2.8	0.6	15.0	8	6.52	0.071	10	10	0.14	22	0.052	<20	3.96	0.175	0.02	>100.0	0.380	<0.01	1.1	<0.1	0.20	20	<0.5
151594	87	221.5	0.1	363.6	14	1.38	0.074	8	17	0.56	43	0.025	<20	1.44	0.133	0.21	>100.0	2.934	<0.01	2.5	0.2	1.27	11	1.5
151595	194	277.3	0.2	331.8	13	1.97	0.130	8	16	0.20	18	0.051	<20	1.86	0.120	<0.01	>100.0	2.337	<0.01	0.8	<0.1	1.31	14	1.4
FX08DR-1	1	1.7	1.0	197.4	<2	0.02	0.004	2	19	<0.01	6	<0.001	<20	0.03	0.001	0.02	>100.0	0.021	0.01	0.1	<0.1	<0.05	<1	0.5
FX08DR-2	238	1.8	<0.1	12.6	12	1.02	0.145	7	16	0.34	19	0.018	<20	1.41	0.142	0.01	>100.0	0.080	<0.01	3.9	<0.1	0.18	7	<0.5
FX08DR-3	383	1.4	0.2	66.2	17	1.15	0.039	8	34	0.36	15	0.045	<20	1.78	0.158	0.04	>100.0	0.862	<0.01	2.6	<0.1	0.25	10	<0.5
FX08DR-4	441	156.0	0.4	216.7	7	2.92	0.080	9	16	0.26	20	0.021	<20	3.69	0.366	0.03	>100.0	2.034	<0.01	1.7	<0.1	1.06	23	<0.5
FX08DR-5	407	35.1	0.5	250.5	7	1.87	0.282	9	13	0.21	17	0.014	<20	2.32	0.191	0.03	>100.0	0.577	<0.01	1.2	<0.1	0.46	14	0.5
827001	94	2.8	0.4	211.2	10	1.90	0.101	13	33	0.32	18	0.018	<20	1.62	0.184	0.04	>100.0	5.808	<0.01	2.5	<0.1	0.37	14	0.8
827002	136	52.7	0.2	128.6	17	2.34	0.042	18	18	0.57	15	0.033	<20	2.25	0.237	0.03	>100.0	0.071	<0.01	3.2	<0.1	0.82	10	0.9
4422	29	<0.1	<0.1	<0.1	24	0.63	0.012	31	33	0.50	93	0.119	<20	1.46	0.090	0.60	0.3		<0.01	3.8	0.4	0.17	6	<0.5
4423	35	2.3	0.2	427.1	8	0.54	0.040	15	27	0.19	29	0.027	<20	1.16	0.107	0.08	10.8		<0.01	1.7	0.1	0.31	4	0.6

Fox Property - 2008 Silt Geochemical Samples

Sample	Easting	Northing	Notes	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Ni (ppm)	Co (ppm)	Mn (ppm)	Fe (%)	As (ppm)	U (ppm)	Au (ppb)	Th (ppm)	Sr (ppm)
FX08BKS-1	669951	5765209	schist outcrop downstream 170/40W	0.90	29.30	24.8	85	<0.1	33.3	16.1	655	2.83	16.8	2.1	0.50	2	17
FX08BKS-2	670426	5764835		0.70	19.20	17.3	87	<0.1	28.2	23.4	1053	3.31	2.9	1.9	0.90	2.1	15
FX08BKS-3	670566	5764783		0.70	22.90	12.7	67	<0.1	32.3	12.3	181	1.66	163.7	1.3	1.20	0.5	14
FX08BKS-4	667894	5776598		1.00	29.80	15.2	81	<0.1	34.9	20	678	2.95	37.5	1.8	0.02	1.5	14
FX08BKS-5	668044	5776679		2.50	17.00	10.9	81	0.1	20.2	17.7	1079	1.94	12.5	4.4	1.20	0.6	24
FX08BKS-6	668092	5776727		1.00	19.80	8.2	79	<0.1	34.3	25.7	777	2.71	0.8	1.3	0.60	3	23
FX08BKS-7	668403	5776784		0.70	17.90	7.3	80	<0.1	40.1	16	491	2.8	<0.5	1.1	1.00	1.9	22
FX08BKS-8	668478	5776835		1.10	21.10	8.3	58	0.1	34.7	18.6	460	2.56	<0.5	1.2	1.00	1.3	18
FX08BKS-9	668443	5776978		0.80	33.00	10.3	75	0.2	33.2	17.6	515	2.94	12.9	3.5	1.70	1.2	9
FX08DS-1	669305	5775382		1.90	20.10	11.3	40	0.1	16	13.1	421	2.25	1.1	1.4	0.60	0.7	8
FX08DS-2	668850	5775133		1.00	10.10	10.4	64	<0.1	19.1	20.9	633	2.44	1.2	0.5	1.10	1.6	5
FX08DS-3	668912	5774860		1.30	24.60	20.6	89	<0.1	36.4	64.8	1601	3.58	9	1.3	1.30	2.1	12
FX08DS-4	669086	5774447		1.20	26.50	15.6	90	<0.1	40.3	53.4	2014	3.35	15.9	1.3	0.02	2.5	11
FX08DS-5	668804	5772706		0.90	19.60	10.8	100	<0.1	33.2	41.1	1476	3.16	4.7	1.3	1.00	3.1	16

Fox Property - 2008 Silt Geochemical Samples

Sample	Cd (ppm)	Sb (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)	Mg (%)	Ba (ppm)	Ti (%)	B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	Hg (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Ga (ppm)	Se (ppm)
FX08BKS-1	0.3	0.3	0.60	37	0.27	0.117	23	34	0.62	80	0.13	<20	1.84	0.015	0.26	0.20	0.02	2.7	0.3	<0.05	6	1.5
FX08BKS-2	0.3	0.4	0.30	32	0.19	0.093	25	25	0.53	75	0.129	<20	1.72	0.011	0.29	0.05	0.02	2.4	0.3	<0.05	6	1.1
FX08BKS-3	0.2	0.7	0.30	29	0.23	0.099	15	35	0.44	65	0.093	<20	1.47	0.012	0.17	0.20	0.02	1.7	0.2	<0.05	5	0.7
FX08BKS-4	0.2	0.5	0.40	31	0.19	0.09	19	31	0.49	79	0.089	<20	1.73	0.013	0.25	0.50	0.03	2.8	0.3	<0.05	6	0.8
FX08BKS-5	0.9	0.4	0.70	23	0.26	0.062	14	22	0.33	86	0.076	<20	1.51	0.01	0.18	23.90	0.03	1.9	0.2	<0.05	4	0.9
FX08BKS-6	0.1	<0.1	0.40	34	0.26	0.048	13	29	0.64	98	0.123	<20	1.95	0.014	0.36	0.10	0.03	2.4	0.4	<0.05	6	0.8
FX08BKS-7	0.1	<0.1	0.30	37	0.29	0.038	12	31	0.81	117	0.158	<20	2.11	0.014	0.49	0.05	0.02	2.8	0.4	<0.05	7	0.9
FX08BKS-8	0.2	<0.1	0.40	32	0.2	0.03	11	33	0.67	110	0.128	<20	1.99	0.009	0.42	0.05	0.04	2.1	0.3	0.09	6	<0.5
FX08BKS-9	<0.1	<0.1	0.20	38	0.12	0.086	25	37	0.65	101	0.141	<20	2.55	0.009	0.47	0.20	0.04	3	0.3	0.11	6	<0.5
FX08DS-1	0.1	<0.1	0.30	33	0.09	0.061	10	27	0.4	62	0.086	<20	1.46	0.006	0.21	0.05	0.05	1.5	0.2	0.11	5	0.6
FX08DS-2	0.1	<0.1	0.10	32	0.11	0.048	8	26	0.59	71	0.14	<20	1.69	0.007	0.31	0.05	0.02	2.2	0.2	0.07	6	<0.5
FX08DS-3	0.3	0.1	0.30	36	0.2	0.089	18	25	0.53	59	0.116	<20	1.88	0.01	0.26	0.10	0.03	2.1	0.3	0.08	6	1.1
FX08DS-4	0.4	0.4	0.50	36	0.21	0.102	21	38	0.55	82	0.11	<20	1.58	0.009	0.29	4.20	0.04	2.3	0.4	<0.05	5	1.1
FX08DS-5	0.4	0.1	0.30	40	0.27	0.097	14	40	0.69	83	0.154	<20	1.89	0.012	0.32	0.20	0.02	2.9	0.3	<0.05	6	<0.5

**APPENDIX C**  
**SILT, SOIL AND ROCK**  
**GEOCHEMICAL CERTIFICATES**



ACME ANALYTICAL LABORATORIES LTD.  
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Happy Creek Minerals Ltd.

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Submitted By: David Blann  
 Receiving Lab: Canada-Vancouver  
 Received: October 07, 2008  
 Report Date: October 17, 2008  
 Page: 1 of 2

**CERTIFICATE OF ANALYSIS**

**VAN08010030.1**

**CLIENT JOB INFORMATION**

Project: FOX  
 Shipment ID:  
 P.O. Number  
 Number of Samples: 14

**SAMPLE DISPOSAL**

DISP-PLP Dispose of Pulp After 90 days  
 DISP-RJT Dispose of Reject After 90 days

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

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	14	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	14	Dry at 60C		
RJSV	14	Save all or part of soil reject fraction		
RJSV	14	Saving all or part of Soil Reject		
1DX	14	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
DIS-RJT	14	Warehouse handling / Disposition of reject		

**ADDITIONAL COMMENTS**

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

CC: Bob Lane  
 Mark Ralph  
 D. Ridley



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
 All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
 "\*\*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Happy Creek Minerals Ltd.**

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Project: FOX

Report Date: October 17, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN08010030.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
FX08DS-1	Silt	0.9	29.3	24.8	85	<0.1	33.3	16.1	655	2.83	16.8	2.1	0.5	2.0	17	0.3	0.3	0.6	37	0.27	0.117
FX08DS-2	Silt	0.7	19.2	17.3	87	<0.1	28.2	23.4	1053	3.31	2.9	1.9	0.9	2.1	15	0.3	0.4	0.3	32	0.19	0.093
FX08DS-3	Silt	0.7	22.9	12.7	67	<0.1	32.3	12.3	181	1.66	163.7	1.3	1.2	0.5	14	0.2	0.7	0.3	29	0.23	0.099
FX08DS-4	Silt	1.0	29.8	15.2	81	<0.1	34.9	20.0	678	2.95	37.5	1.8	<0.5	1.5	14	0.2	0.5	0.4	31	0.19	0.090
FX08DS-5	Silt	2.5	17.0	10.9	81	0.1	20.2	17.7	1079	1.94	12.5	4.4	1.2	0.6	24	0.9	0.4	0.7	23	0.26	0.062
FX08BKS-1	Silt	1.0	19.8	8.2	79	<0.1	34.3	25.7	777	2.71	0.8	1.3	0.6	3.0	23	0.1	<0.1	0.4	34	0.26	0.048
FX08BKS-2	Silt	0.7	17.9	7.3	80	<0.1	40.1	16.0	491	2.80	<0.5	1.1	1.0	1.9	22	0.1	<0.1	0.3	37	0.29	0.038
FX08BKS-3	Silt	1.1	21.1	8.3	58	0.1	34.7	18.6	460	2.56	<0.5	1.2	1.0	1.3	18	0.2	<0.1	0.4	32	0.20	0.030
FX08BKS-4	Silt	0.8	33.0	10.3	75	0.2	33.2	17.6	515	2.94	12.9	3.5	1.7	1.2	9	<0.1	<0.1	0.2	38	0.12	0.086
FX08BKS-5	Silt	1.9	20.1	11.3	40	0.1	16.0	13.1	421	2.25	1.1	1.4	0.6	0.7	8	0.1	<0.1	0.3	33	0.09	0.061
FX08BKS-6	Silt	1.0	10.1	10.4	64	<0.1	19.1	20.9	633	2.44	1.2	0.5	1.1	1.6	5	0.1	<0.1	0.1	32	0.11	0.048
FX08BKS-7	Silt	1.3	24.6	20.6	89	<0.1	36.4	64.8	1601	3.58	9.0	1.3	1.3	2.1	12	0.3	0.1	0.3	36	0.20	0.089
FX08BKS-8	Silt	1.2	26.5	15.6	90	<0.1	40.3	53.4	2014	3.35	15.9	1.3	<0.5	2.5	11	0.4	0.4	0.5	36	0.21	0.102
FX08BKS-9	Silt	0.9	19.6	10.8	100	<0.1	33.2	41.1	1476	3.16	4.7	1.3	1.0	3.1	16	0.4	0.1	0.3	40	0.27	0.097



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Client: **Happy Creek Minerals Ltd.**

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Project: FOX

Report Date: October 17, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN08010030.1

Method	Analyte	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
FX08DS-1	Silt	23	34	0.62	80	0.130	<20	1.84	0.015	0.26	0.2	0.02	2.7	0.3	<0.05	6	1.5
FX08DS-2	Silt	25	25	0.53	75	0.129	<20	1.72	0.011	0.29	<0.1	0.02	2.4	0.3	<0.05	6	1.1
FX08DS-3	Silt	15	35	0.44	65	0.093	<20	1.47	0.012	0.17	0.2	0.02	1.7	0.2	<0.05	5	0.7
FX08DS-4	Silt	19	31	0.49	79	0.089	<20	1.73	0.013	0.25	0.5	0.03	2.8	0.3	<0.05	6	0.8
FX08DS-5	Silt	14	22	0.33	86	0.076	<20	1.51	0.010	0.18	23.9	0.03	1.9	0.2	<0.05	4	0.9
FX08BKS-1	Silt	13	29	0.64	98	0.123	<20	1.95	0.014	0.36	0.1	0.03	2.4	0.4	<0.05	6	0.8
FX08BKS-2	Silt	12	31	0.81	117	0.158	<20	2.11	0.014	0.49	<0.1	0.02	2.8	0.4	<0.05	7	0.9
FX08BKS-3	Silt	11	33	0.67	110	0.128	<20	1.99	0.009	0.42	<0.1	0.04	2.1	0.3	0.09	6	<0.5
FX08BKS-4	Silt	25	37	0.65	101	0.141	<20	2.55	0.009	0.47	0.2	0.04	3.0	0.3	0.11	6	<0.5
FX08BKS-5	Silt	10	27	0.40	62	0.086	<20	1.46	0.006	0.21	<0.1	0.05	1.5	0.2	0.11	5	0.6
FX08BKS-6	Silt	8	26	0.59	71	0.140	<20	1.69	0.007	0.31	<0.1	0.02	2.2	0.2	0.07	6	<0.5
FX08BKS-7	Silt	18	25	0.53	59	0.116	<20	1.88	0.010	0.26	0.1	0.03	2.1	0.3	0.08	6	1.1
FX08BKS-8	Silt	21	38	0.55	82	0.110	<20	1.58	0.009	0.29	4.2	0.04	2.3	0.4	<0.05	5	1.1
FX08BKS-9	Silt	14	40	0.69	83	0.154	<20	1.89	0.012	0.32	0.2	0.02	2.9	0.3	<0.05	6	<0.5

**QUALITY CONTROL REPORT**

**VAN08010030.1**

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
FX08BKS-5	Silt	1.9	20.1	11.3	40	0.1	16.0	13.1	421	2.25	1.1	1.4	0.6	0.7	8	0.1	<0.1	0.3	33	0.09	0.061
REP FX08BKS-5	QC	2.0	20.5	11.5	40	0.1	15.5	12.5	416	2.26	1.2	1.4	1.0	0.6	8	<0.1	<0.1	0.2	31	0.09	0.064
Reference Materials																					
STD DS7	Standard	20.1	112.4	68.2	400	0.9	57.7	9.8	608	2.29	53.8	4.6	51.6	3.7	64	6.1	4.9	4.3	84	0.94	0.073
STD DS7	Standard	20.0	115.7	67.0	402	0.9	59.0	10.2	648	2.51	53.9	4.5	55.5	3.6	65	6.7	5.0	4.0	89	0.96	0.083
STD DS7	Standard	19.6	138.9	75.5	410	0.9	56.4	9.6	603	2.31	56.7	5.1	50.5	4.3	69	6.9	5.2	5.1	81	0.89	0.077
STD DS7	Standard	20.2	116.3	74.7	432	0.8	61.3	9.4	648	2.56	55.7	5.0	60.9	4.2	75	7.2	6.3	5.2	85	0.92	0.086
STD DS7 Expected		20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

**QUALITY CONTROL REPORT**

**VAN08010030.1**

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																	
FX08BKS-5	Silt	10	27	0.40	62	0.086	<20	1.46	0.006	0.21	<0.1	0.05	1.5	0.2	0.11	5	0.6
REP FX08BKS-5	QC	11	26	0.39	61	0.082	<20	1.43	0.008	0.20	<0.1	0.05	1.5	0.2	0.12	5	0.5
Reference Materials																	
STD DS7	Standard	11	190	0.98	384	0.106	39	0.95	0.087	0.47	3.3	0.21	2.4	3.9	0.21	5	3.8
STD DS7	Standard	10	190	1.04	395	0.109	37	1.00	0.090	0.48	3.4	0.18	2.5	4.1	0.26	5	3.8
STD DS7	Standard	12	152	1.01	380	0.114	41	0.97	0.084	0.40	3.8	0.19	2.6	4.4	0.17	5	3.2
STD DS7	Standard	12	141	1.00	410	0.119	41	1.00	0.084	0.46	4.6	0.19	2.6	4.7	0.17	5	4.1
STD DS7 Expected		13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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**Client:** Happy Creek Minerals Ltd.

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Submitted By: David Blann  
 Receiving Lab: Canada-Vancouver  
 Received: October 07, 2008  
 Report Date: October 20, 2008  
 Page: 1 of 12

**CERTIFICATE OF ANALYSIS**

**VAN08010029.1**

**CLIENT JOB INFORMATION**

Project: FOX  
 Shipment ID:  
 P.O. Number  
 Number of Samples: 302

**SAMPLE DISPOSAL**

DISP-PLP Dispose of Pulp After 90 days  
 DISP-RJT Dispose of Reject After 90 days

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

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	300	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	300	Dry at 60C		
RJSV	300	Save all or part of soil reject fraction		
RJSV	300	Saving all or part of Soil Reject		
1DX	300	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
DIS-RJT	300	Warehouse handling / Disposition of reject		

**ADDITIONAL COMMENTS**

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

CC: Bob Lane  
 D. Ridley  
 Mark Ralph



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
 All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
 "\*\*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Happy Creek Minerals Ltd.**

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Project: FOX

Report Date: October 20, 2008

Page: 2 of 12 Part 1

CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L119N 1700E	Soil			3.1	19.6	13.8	46	<0.1	10.1	4.7	287	3.16	3.8	1.0	0.8	1.2	5	0.3	0.2	0.6	50	0.05	0.030
L119N 1750E	Soil			2.0	30.9	14.3	115	0.1	23.5	9.8	438	5.27	26.9	3.9	0.6	2.9	7	0.2	0.1	0.7	68	0.09	0.055
L119N 1800E	Soil			1.4	30.2	11.9	72	0.2	21.4	12.7	564	3.88	6.6	3.1	<0.5	1.8	19	0.2	0.2	0.6	64	0.47	0.114
L119N 1850E	Soil			2.0	20.7	19.2	27	<0.1	9.9	3.7	162	3.27	4.0	1.4	0.7	0.4	4	0.1	0.3	0.5	58	0.02	0.050
L119N 1900E	Soil			1.8	27.1	14.9	65	0.2	19.6	12.4	971	2.36	2.4	3.1	1.3	1.8	42	0.2	0.1	0.7	35	0.25	0.088
L119N 1950E	Soil			2.4	20.4	13.4	24	<0.1	7.9	3.1	245	1.88	1.1	1.9	0.9	0.2	4	0.1	0.1	0.5	34	0.02	0.044
L119N 2000E	Soil			2.5	16.2	10.6	34	0.3	10.9	4.1	143	1.98	1.4	1.0	1.0	<0.1	5	0.3	0.1	0.3	31	0.03	0.089
L119N 2050E	Soil			2.8	16.4	12.9	36	<0.1	9.6	5.0	382	2.19	1.7	1.0	1.0	0.3	5	0.1	0.2	0.5	45	0.03	0.042
L119N 2100E	Soil			2.8	14.8	16.3	33	<0.1	11.1	4.0	126	2.26	1.5	1.1	<0.5	0.4	6	0.1	0.1	1.0	52	0.05	0.044
L119N 2150E	Soil			3.7	12.7	16.1	28	<0.1	4.5	2.2	195	2.83	3.2	1.0	<0.5	0.6	4	0.2	0.2	0.7	48	0.03	0.041
L119N 2200E	Soil			12.6	17.1	12.5	30	0.1	10.4	4.2	196	2.36	1.9	0.7	1.3	0.4	5	0.3	0.2	6.0	57	0.03	0.034
L119N 2250E	Soil			3.9	28.7	12.0	44	<0.1	22.4	10.0	319	2.27	1.6	7.9	<0.5	0.4	17	0.4	0.1	1.5	43	0.21	0.072
L119N 2300E	Soil			1.7	40.1	27.7	82	0.2	61.0	21.5	1434	3.05	1.4	3.2	<0.5	0.8	91	0.8	0.1	2.7	42	0.61	0.108
L119N 2350E	Soil			3.2	27.9	17.0	55	<0.1	19.4	6.5	146	3.31	2.6	1.0	<0.5	1.1	6	<0.1	0.3	2.0	55	0.06	0.052
L119N 2400E	Soil			3.7	34.4	14.7	62	0.1	35.3	12.8	389	4.59	2.4	1.0	<0.5	0.7	11	0.4	0.2	2.1	77	0.06	0.057
L119N 2450E	Soil			5.9	51.0	11.5	89	0.2	46.1	27.7	953	4.10	2.3	1.3	0.9	0.8	15	0.3	0.2	3.4	71	0.13	0.063
L119N 2500E	Soil			6.2	34.1	13.0	85	<0.1	33.9	21.7	1255	3.38	1.1	0.9	<0.5	0.4	27	0.2	<0.1	1.0	56	0.30	0.065
L119N 2550E	Soil			2.6	35.5	14.5	43	0.1	25.3	9.6	280	3.25	0.9	0.8	<0.5	0.3	7	0.2	0.1	0.8	71	0.04	0.051
L119N 2600E	Soil			4.6	34.5	16.5	86	0.1	30.9	13.5	789	3.86	3.0	2.2	<0.5	1.1	20	0.4	0.4	1.9	40	0.21	0.075
L119N 2650E	Soil			5.9	40.0	23.2	187	0.3	22.5	16.4	2252	4.09	2.4	3.2	<0.5	0.4	22	1.7	0.3	1.1	72	0.22	0.079
L119N 2700E	Soil			8.1	30.7	12.9	63	0.2	23.7	17.0	511	3.21	1.7	6.3	1.2	0.4	10	0.4	0.2	1.3	44	0.11	0.051
L118N 1200E	Soil			1.9	23.6	17.2	35	0.2	14.0	5.0	121	3.60	3.2	1.8	<0.5	1.0	5	0.2	0.2	0.7	46	0.03	0.034
L118N 1250E	Soil			1.8	45.7	15.6	87	0.2	37.4	19.0	521	4.91	6.1	2.0	<0.5	1.5	7	0.3	0.4	0.8	59	0.05	0.050
L118N 1300E	Soil			1.3	24.8	11.0	63	0.1	29.4	10.1	383	3.89	6.7	1.2	<0.5	1.1	5	0.2	0.7	0.6	51	0.03	0.040
L118N 1350E	Soil			1.6	20.9	11.2	47	0.2	18.8	8.0	560	2.87	3.9	1.2	<0.5	0.4	5	0.3	0.2	0.4	42	0.03	0.048
L118N 1400E	Soil			3.6	31.7	18.1	75	<0.1	25.3	9.4	153	4.38	52.5	2.0	<0.5	1.2	6	0.2	0.2	0.7	50	0.06	0.043
L118N 1450E	Soil			2.2	20.0	16.5	29	0.2	8.9	4.0	133	1.71	11.0	2.1	<0.5	0.2	4	0.3	0.1	0.3	26	0.03	0.080
L118N 1500E	Soil			1.4	44.7	15.0	82	<0.1	46.7	13.5	327	4.52	10.1	3.6	1.1	3.1	9	0.2	0.3	0.6	52	0.10	0.059
L118N 1550E	Soil			1.4	24.8	46.7	109	0.8	15.4	6.0	119	2.94	3.8	3.0	<0.5	2.5	7	0.7	0.7	2.4	24	0.08	0.085
L118N 1600E	Soil			2.3	28.8	15.7	61	<0.1	24.4	10.7	270	4.77	5.7	1.4	0.8	2.0	6	0.3	0.3	0.7	55	0.04	0.029

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



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Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Project: FOX

Report Date: October 20, 2008

Page: 2 of 12 Part 2

CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	
L119N 1700E	Soil	6	23	0.19	46	0.128	<20	1.96	0.006	0.16	0.4	0.06	1.3	0.2	0.05	10	0.6
L119N 1750E	Soil	20	66	0.71	48	0.188	<20	3.39	0.007	0.15	0.2	0.05	4.4	0.2	0.06	17	<0.5
L119N 1800E	Soil	18	45	0.70	75	0.112	<20	2.94	0.017	0.20	0.2	0.03	3.4	0.3	0.06	12	1.0
L119N 1850E	Soil	8	22	0.16	28	0.097	<20	1.87	0.006	0.05	0.4	0.05	1.0	0.2	<0.05	15	1.2
L119N 1900E	Soil	22	23	0.28	36	0.063	<20	3.40	0.035	0.08	3.1	0.04	1.6	0.2	<0.05	13	0.7
L119N 1950E	Soil	5	16	0.13	26	0.062	<20	1.43	0.006	0.07	0.1	0.06	0.6	0.2	<0.05	8	0.8
L119N 2000E	Soil	7	18	0.23	42	0.041	<20	1.63	0.010	0.13	0.3	0.05	0.5	0.2	0.10	6	0.7
L119N 2050E	Soil	7	18	0.16	46	0.093	<20	1.36	0.006	0.11	0.4	0.03	0.8	0.2	<0.05	9	0.6
L119N 2100E	Soil	10	23	0.24	39	0.092	<20	1.66	0.006	0.11	0.5	0.03	1.1	0.2	0.06	11	0.5
L119N 2150E	Soil	7	17	0.23	34	0.094	<20	1.12	0.008	0.14	0.4	0.04	1.0	0.1	<0.05	10	0.6
L119N 2200E	Soil	5	19	0.17	38	0.105	<20	0.82	0.007	0.09	1.2	0.04	0.8	0.1	<0.05	9	<0.5
L119N 2250E	Soil	20	29	0.38	70	0.089	<20	2.15	0.012	0.11	2.8	0.02	1.5	0.2	0.10	8	0.6
L119N 2300E	Soil	49	59	0.58	72	0.076	<20	3.30	0.044	0.12	11.0	0.03	1.7	0.3	0.15	10	0.9
L119N 2350E	Soil	8	32	0.38	67	0.122	<20	2.01	0.008	0.19	3.6	0.05	1.8	0.3	<0.05	11	0.7
L119N 2400E	Soil	7	51	0.43	103	0.132	<20	1.64	0.007	0.14	4.9	0.03	2.1	0.2	0.07	11	0.5
L119N 2450E	Soil	10	55	0.68	139	0.142	<20	2.66	0.009	0.27	6.3	0.11	2.8	0.3	0.07	11	0.7
L119N 2500E	Soil	8	40	0.52	175	0.104	<20	2.01	0.010	0.24	0.7	0.02	1.7	0.2	0.10	10	<0.5
L119N 2550E	Soil	8	33	0.35	98	0.123	<20	1.36	0.008	0.21	0.8	0.02	1.4	0.2	0.07	10	<0.5
L119N 2600E	Soil	13	35	0.36	84	0.054	<20	2.63	0.009	0.19	10.3	0.04	2.4	0.2	0.11	9	0.6
L119N 2650E	Soil	16	32	0.32	112	0.103	<20	2.20	0.010	0.14	2.0	0.03	1.4	0.3	0.08	12	0.6
L119N 2700E	Soil	13	34	0.45	61	0.095	<20	2.51	0.008	0.15	1.2	0.04	1.5	0.3	0.09	9	0.6
L118N 1200E	Soil	12	28	0.25	50	0.119	<20	2.01	0.006	0.14	0.7	0.06	1.7	0.2	0.06	11	1.0
L118N 1250E	Soil	17	47	0.61	101	0.148	<20	2.79	0.008	0.31	0.7	0.04	2.8	0.3	0.06	13	1.0
L118N 1300E	Soil	11	45	0.53	92	0.118	<20	2.18	0.007	0.31	0.7	0.05	2.4	0.3	<0.05	10	0.9
L118N 1350E	Soil	8	30	0.30	71	0.081	<20	1.79	0.006	0.18	0.6	0.06	1.2	0.2	0.06	9	0.7
L118N 1400E	Soil	16	33	0.39	44	0.110	<20	2.80	0.006	0.10	0.5	0.04	1.8	0.2	<0.05	12	1.2
L118N 1450E	Soil	9	16	0.17	27	0.038	<20	1.99	0.007	0.06	0.3	0.10	0.6	0.1	0.10	6	1.1
L118N 1500E	Soil	28	45	0.73	92	0.131	<20	4.38	0.007	0.14	0.5	0.09	3.7	0.3	<0.05	10	1.0
L118N 1550E	Soil	22	23	0.13	43	0.013	<20	3.61	0.009	0.03	0.7	0.10	1.7	0.1	<0.05	8	1.3
L118N 1600E	Soil	13	35	0.46	39	0.121	<20	2.48	0.006	0.16	0.7	0.05	2.4	0.2	<0.05	13	0.8

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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L118N 1650E	Soil			2.4	23.7	16.4	62	0.2	16.9	10.3	455	4.62	16.5	3.7	0.8	1.6	9	0.4	0.2	1.1	51	0.12	0.075
L117N 1200E	Soil			2.3	16.1	12.6	31	<0.1	14.3	4.9	269	2.43	2.5	0.7	<0.5	0.1	4	0.2	0.2	0.4	42	0.02	0.044
L117N 1250E	Soil			2.4	17.9	12.8	45	<0.1	22.2	6.7	245	3.81	7.5	1.0	0.6	0.5	4	<0.1	0.8	0.5	47	0.02	0.039
L117N 1300E	Soil			1.2	17.1	10.9	36	<0.1	17.3	6.0	140	3.15	4.0	1.0	0.5	0.4	4	0.1	0.4	0.5	40	0.04	0.042
L117N 1350E	Soil			0.9	28.4	15.4	60	0.1	35.1	11.5	227	3.59	12.3	1.8	1.0	0.5	5	0.1	0.4	1.3	50	0.03	0.042
L117N 1400E	Soil			1.2	23.0	11.3	52	<0.1	29.4	10.1	201	4.72	4.3	1.2	0.7	1.6	5	0.2	0.3	0.8	61	0.03	0.027
L117N 1450E	Soil			1.5	30.1	12.9	60	0.1	22.2	11.0	397	2.75	27.5	4.8	0.8	0.6	7	0.2	0.3	0.6	40	0.09	0.061
L117N 1500E	Soil			3.1	13.4	14.6	41	0.1	19.9	6.5	121	3.41	11.3	1.8	0.5	0.8	7	0.1	0.2	0.7	65	0.03	0.037
L117N 1550E	Soil			1.2	32.3	12.9	68	0.1	16.2	8.7	241	3.65	17.0	3.7	<0.5	1.1	9	0.2	0.1	0.5	57	0.10	0.043
L117N 1600E	Soil			1.4	38.8	19.4	57	0.3	18.0	23.4	766	3.07	5.4	4.7	<0.5	0.5	13	0.4	0.2	0.6	34	0.22	0.063
L117N 1650E	Soil			2.1	14.5	16.2	32	<0.1	8.6	8.8	444	2.17	8.1	1.7	0.7	0.3	4	0.3	0.1	0.6	44	0.02	0.048
L117N 1750E	Soil			2.8	18.9	17.8	33	0.1	10.7	3.8	102	4.06	4.7	1.3	1.2	0.6	4	0.3	0.1	0.6	58	0.02	0.038
L117N 1800E	Soil			1.9	20.0	12.9	27	<0.1	8.7	3.8	112	2.02	2.0	2.5	1.2	0.4	4	0.4	0.1	0.3	26	0.03	0.051
L117N 1850E	Soil			2.0	25.4	15.0	48	0.1	15.3	5.5	222	2.73	2.4	2.5	0.7	0.6	8	0.3	0.2	0.6	44	0.07	0.083
L117N 1900E	Soil			1.0	41.3	14.0	72	<0.1	37.3	12.4	229	4.33	6.1	2.1	1.4	1.9	6	<0.1	0.2	1.0	47	0.06	0.045
L117N 1950E	Soil			1.1	45.5	20.5	96	0.3	31.6	28.4	1493	3.33	3.0	5.8	1.3	0.5	20	0.5	0.2	0.5	42	0.49	0.078
L117N 2000E	Soil			0.9	37.5	10.7	120	<0.1	39.6	16.7	272	4.32	12.6	3.7	0.7	2.0	21	0.2	0.1	1.3	49	0.41	0.041
L117N 2050E	Soil			2.2	10.0	11.7	23	<0.1	6.6	2.8	85	1.83	1.4	0.5	<0.5	0.2	4	0.1	0.2	1.4	57	0.02	0.031
L117N 2100E	Soil			2.6	22.3	12.2	54	<0.1	18.7	11.1	794	3.07	1.7	0.7	<0.5	0.3	7	0.2	0.1	1.2	48	0.05	0.050
L117N 2150E	Soil			9.2	17.1	9.9	32	0.1	9.3	4.4	220	2.71	1.3	1.4	0.7	0.3	4	0.4	0.1	9.7	42	0.02	0.043
L117N 2200E	Soil			9.1	19.9	13.1	54	0.1	11.6	17.0	2239	2.45	1.1	4.3	<0.5	0.4	19	0.5	0.1	1.8	37	0.32	0.048
L117N 2250E	Soil			3.6	16.1	14.1	34	<0.1	8.5	3.5	163	2.93	2.0	0.8	1.0	0.2	8	0.2	0.2	0.7	70	0.06	0.043
L117N 2300E	Soil			4.8	37.8	11.8	45	0.2	26.8	18.0	567	4.11	1.2	1.9	0.9	0.4	7	0.3	0.1	0.7	64	0.06	0.060
L117N 2350E	Soil			3.2	18.8	13.8	32	<0.1	13.3	5.6	297	3.70	1.7	0.6	<0.5	0.5	5	0.2	0.2	0.7	66	0.03	0.041
L117N 2400E	Soil			6.5	16.6	12.0	44	0.1	15.4	8.0	687	3.56	1.4	0.6	<0.5	0.3	27	0.2	0.1	1.8	56	0.10	0.052
L117N 2450E	Soil			4.3	25.2	17.4	61	0.2	23.0	18.6	2493	3.62	1.3	1.1	0.6	0.2	11	0.3	0.1	1.8	55	0.06	0.068
L117N 2500E	Soil			9.4	27.3	14.3	97	<0.1	25.7	14.8	837	5.02	2.2	1.4	<0.5	1.2	11	0.3	0.2	3.8	59	0.12	0.037
L117N 2550E	Soil			3.4	33.2	11.3	116	0.2	33.9	17.3	1298	3.96	2.3	3.7	1.3	1.4	22	0.4	0.3	4.4	51	0.34	0.057
L117N 2600E	Soil			5.9	30.8	20.7	125	0.3	27.4	11.2	365	4.85	6.3	1.5	1.4	0.9	7	1.3	0.7	7.0	48	0.05	0.048
L117N 2650E	Soil			5.4	18.8	17.8	175	0.2	17.8	13.0	568	2.99	2.1	2.9	0.9	0.6	11	1.2	0.5	4.2	41	0.12	0.043

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Report Date:

October 20, 2008

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Part 2

CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L118N 1650E	Soil	17	35	0.37	36	0.099	<20	3.89	0.008	0.09	0.4	0.09	2.3	0.1	0.07	17	1.3
L117N 1200E	Soil	7	27	0.22	53	0.087	<20	1.17	0.008	0.12	<0.1	0.02	0.8	0.2	<0.05	9	<0.5
L117N 1250E	Soil	8	37	0.27	48	0.061	<20	1.68	0.004	0.12	0.4	0.04	1.3	0.2	<0.05	9	<0.5
L117N 1300E	Soil	8	32	0.32	48	0.079	<20	1.98	0.005	0.14	0.5	0.07	1.1	0.2	<0.05	10	<0.5
L117N 1350E	Soil	11	49	0.62	102	0.120	<20	2.96	0.007	0.33	0.5	0.05	2.2	0.3	<0.05	11	0.5
L117N 1400E	Soil	13	51	0.59	86	0.180	<20	2.85	0.007	0.27	0.5	0.04	2.8	0.3	<0.05	14	0.7
L117N 1450E	Soil	27	32	0.42	57	0.083	<20	2.87	0.007	0.14	0.8	0.06	1.5	0.3	0.07	9	1.0
L117N 1500E	Soil	9	26	0.27	52	0.129	<20	1.74	0.006	0.14	0.9	0.05	1.3	0.2	<0.05	11	<0.5
L117N 1550E	Soil	23	42	0.47	48	0.189	<20	2.87	0.007	0.16	0.5	0.06	2.7	0.3	0.06	15	<0.5
L117N 1600E	Soil	22	28	0.30	50	0.070	<20	2.54	0.009	0.11	0.3	0.07	0.9	0.2	0.08	11	0.8
L117N 1650E	Soil	9	19	0.18	37	0.115	<20	1.18	0.005	0.09	0.6	0.06	0.7	0.2	0.06	10	<0.5
L117N 1750E	Soil	7	28	0.24	31	0.120	<20	1.81	0.007	0.06	0.7	0.04	1.3	0.1	<0.05	16	0.7
L117N 1800E	Soil	8	19	0.17	25	0.049	<20	2.29	0.007	0.06	0.3	0.11	0.7	0.1	0.06	8	0.7
L117N 1850E	Soil	16	36	0.37	46	0.083	<20	3.39	0.010	0.14	0.3	0.12	1.5	0.2	0.07	14	1.3
L117N 1900E	Soil	14	46	0.72	82	0.139	<20	3.18	0.007	0.37	1.5	0.07	3.1	0.4	<0.05	10	1.1
L117N 1950E	Soil	23	35	0.44	76	0.084	<20	4.16	0.008	0.12	0.2	0.06	1.7	0.3	0.08	12	0.8
L117N 2000E	Soil	24	46	0.77	91	0.168	<20	2.94	0.009	0.23	0.7	0.02	3.7	0.4	<0.05	10	<0.5
L117N 2050E	Soil	5	15	0.09	33	0.105	<20	0.61	0.005	0.06	0.8	0.03	0.6	0.1	<0.05	9	<0.5
L117N 2100E	Soil	6	23	0.23	72	0.087	<20	1.25	0.007	0.15	0.7	0.03	1.1	0.2	<0.05	8	<0.5
L117N 2150E	Soil	4	18	0.16	38	0.085	<20	0.95	0.006	0.10	2.1	0.07	0.8	0.1	<0.05	7	<0.5
L117N 2200E	Soil	16	21	0.25	67	0.076	<20	1.96	0.012	0.13	27.6	0.04	1.3	0.4	<0.05	8	0.7
L117N 2250E	Soil	4	19	0.11	50	0.130	<20	1.14	0.006	0.07	0.5	0.04	0.7	<0.1	<0.05	12	<0.5
L117N 2300E	Soil	8	40	0.36	78	0.101	<20	2.30	0.008	0.21	0.7	0.07	2.1	0.2	0.05	9	0.9
L117N 2350E	Soil	5	28	0.18	48	0.143	<20	1.03	0.006	0.10	1.3	0.04	1.2	0.1	<0.05	10	0.5
L117N 2400E	Soil	6	23	0.19	56	0.099	<20	1.20	0.006	0.09	42.6	0.01	1.0	0.1	<0.05	12	<0.5
L117N 2450E	Soil	6	37	0.30	99	0.071	<20	1.80	0.008	0.16	2.1	0.03	1.2	0.2	0.06	10	<0.5
L117N 2500E	Soil	7	43	0.40	78	0.132	<20	2.35	0.008	0.26	23.6	0.04	2.7	0.3	<0.05	13	<0.5
L117N 2550E	Soil	31	55	0.66	109	0.172	<20	2.67	0.008	0.28	14.7	0.03	3.7	0.4	<0.05	10	0.9
L117N 2600E	Soil	8	43	0.54	54	0.110	<20	2.06	0.006	0.19	14.3	0.04	1.9	0.2	<0.05	10	<0.5
L117N 2650E	Soil	10	26	0.28	51	0.082	<20	1.76	0.007	0.11	39.5	0.03	1.4	0.1	<0.05	7	0.6

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Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L117N 2700E	Soil			2.2	18.7	10.6	75	0.1	21.4	8.9	391	2.86	5.6	1.1	0.7	0.6	10	0.8	0.9	2.0	32	0.06	0.047
L117N 2750E	Soil			5.3	24.2	14.0	145	<0.1	21.6	12.0	1002	3.45	4.6	7.7	<0.5	0.5	9	1.4	0.4	1.4	44	0.06	0.050
L117N 2800E	Soil			2.0	22.8	15.1	87	<0.1	27.0	12.4	678	4.51	3.2	1.0	0.9	1.1	12	0.3	1.0	1.1	53	0.05	0.042
L117N 2850E	Soil			3.7	21.6	19.8	83	0.1	21.2	10.8	864	3.66	4.0	2.4	<0.5	0.6	17	0.4	1.1	1.0	47	0.07	0.051
L117N 2900E	Soil			2.7	23.6	14.3	61	<0.1	25.7	9.5	511	4.43	2.7	0.9	<0.5	0.7	5	0.2	0.3	0.5	57	0.02	0.047
L117N 2950E	Soil			2.7	18.6	12.1	36	<0.1	10.3	4.6	322	3.74	2.0	1.0	<0.5	0.6	4	0.2	0.2	0.4	49	0.02	0.040
L117N 3000E	Soil			2.5	21.1	13.5	39	0.1	8.7	6.0	464	3.65	2.1	0.9	<0.5	0.7	6	0.1	0.4	0.4	54	0.05	0.042
L117N 3050E	Soil			1.6	19.6	13.2	51	<0.1	16.1	6.2	281	5.03	2.7	1.1	0.7	1.5	5	0.2	0.3	0.6	60	0.02	0.050
L117N 3100E	Soil			2.6	45.8	13.4	78	0.1	26.4	33.9	866	3.40	7.5	4.6	<0.5	0.8	8	0.3	0.2	0.8	44	0.06	0.052
L117N 3150E	Soil			1.8	20.0	13.7	45	0.1	15.8	5.5	223	4.19	6.5	1.3	<0.5	1.2	5	0.2	0.3	0.6	55	0.02	0.045
L117N 3200E	Soil			1.7	27.3	12.3	56	0.2	16.5	6.8	347	4.20	3.0	1.2	<0.5	1.3	12	0.2	<0.1	0.4	53	0.02	0.042
L116N 1200E	Soil			1.9	18.3	12.3	52	0.1	18.7	9.2	663	3.22	3.0	1.2	0.9	0.5	5	0.2	0.2	0.6	46	0.03	0.056
L116N 1250E	Soil			1.8	22.3	13.0	59	0.1	22.9	9.6	431	4.12	6.1	1.3	0.5	0.8	5	0.2	0.3	0.9	55	0.03	0.044
L116N 1300E	Soil			2.1	28.9	15.8	89	0.1	23.6	32.4	1910	4.19	11.9	3.6	<0.5	0.7	11	0.4	0.2	1.0	48	0.14	0.088
L116N 1350E	Soil			1.6	9.3	7.0	12	<0.1	3.4	1.7	52	0.96	0.9	0.6	0.6	0.1	2	<0.1	<0.1	0.2	21	0.02	0.025
L116N 1400E	Soil			2.3	10.4	12.1	20	<0.1	5.5	2.3	66	1.47	2.3	0.8	0.7	0.3	3	0.1	0.2	0.4	34	0.03	0.036
L116N 1450E	Soil			2.3	35.3	16.9	71	<0.1	25.7	9.1	205	4.43	65.7	2.2	<0.5	1.7	8	0.4	0.2	0.9	47	0.07	0.052
L116N 1500E	Soil			2.4	13.7	10.1	31	<0.1	8.9	4.4	149	2.01	1.5	1.3	<0.5	0.3	3	0.1	<0.1	0.3	38	0.03	0.045
L116N 1550E	Soil			1.9	27.6	16.0	51	0.3	15.0	6.1	260	2.74	10.8	2.1	1.7	0.5	6	0.4	0.2	0.6	40	0.05	0.071
L116N 1600E	Soil			2.4	15.0	17.9	26	0.1	7.7	2.8	91	2.63	2.2	1.1	<0.5	0.4	5	0.2	0.2	0.6	52	0.03	0.039
L116N 1650E	Soil			1.9	14.0	18.1	46	<0.1	12.5	5.0	100	2.58	4.8	2.0	4.3	0.5	7	0.1	0.1	1.2	48	0.08	0.050
L115N 1200E	Soil			1.1	27.2	11.4	70	0.1	29.8	11.3	271	3.89	8.0	1.8	<0.5	2.1	5	0.2	0.3	0.9	47	0.04	0.030
L115N 1250E	Soil			1.3	33.5	13.1	88	<0.1	38.1	14.9	334	4.43	22.4	2.2	<0.5	3.0	9	0.1	0.2	1.0	54	0.11	0.025
L115N 1300E	Soil			1.6	31.3	13.4	93	0.1	20.4	15.6	1354	3.38	13.0	1.6	<0.5	1.1	6	0.3	0.2	0.7	45	0.07	0.047
L115N 1350E	Soil			1.7	39.5	15.2	77	0.2	25.7	23.1	731	3.31	9.6	4.5	0.5	0.9	11	0.3	0.2	0.8	42	0.13	0.052
L115N 1400E	Soil			1.6	22.0	17.6	51	0.1	17.9	7.1	127	2.60	8.0	1.9	0.8	0.8	6	<0.1	0.1	0.6	41	0.06	0.030
L115N 1450E	Soil			1.8	22.0	18.1	80	<0.1	21.8	12.8	794	3.38	94.3	1.3	<0.5	0.7	10	0.2	0.2	1.0	53	0.09	0.048
L115N 1500E	Soil			1.0	19.7	14.3	18	0.1	7.7	2.7	59	1.11	3.3	1.1	<0.5	0.1	3	0.1	0.1	0.4	30	0.02	0.066
L115N 1550E	Soil			1.7	15.9	14.8	20	0.1	7.5	2.5	76	1.46	2.9	1.5	<0.5	0.1	11	0.2	<0.1	0.4	25	0.05	0.068
L115N 1600E	Soil			1.9	20.5	12.9	80	0.1	27.4	13.3	333	2.64	2.0	1.4	<0.5	0.7	10	0.1	0.1	1.2	45	0.10	0.060

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Suite 2300 - 1066 W. Hastings St.  
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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX TI	1DX S	1DX Ga	1DX Se
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05		1	0.5
L117N 2700E	Soil			8	30	0.35	49	0.078	<20	1.74	0.006	0.13	26.3	0.04	1.4	0.2	<0.05	7	0.6
L117N 2750E	Soil			15	36	0.46	85	0.113	<20	2.15	0.007	0.23	3.2	0.05	1.7	0.2	<0.05	10	0.6
L117N 2800E	Soil			8	47	0.54	94	0.166	<20	2.53	0.010	0.23	6.8	0.07	2.6	0.2	<0.05	12	0.5
L117N 2850E	Soil			8	34	0.33	61	0.101	<20	2.10	0.009	0.12	3.1	0.07	1.6	0.2	<0.05	11	0.5
L117N 2900E	Soil			7	46	0.32	73	0.136	<20	1.53	0.007	0.23	5.9	0.04	1.9	0.2	<0.05	11	<0.5
L117N 2950E	Soil			6	26	0.28	67	0.131	<20	1.41	0.008	0.18	<0.1	0.04	1.3	0.2	<0.05	10	0.5
L117N 3000E	Soil			8	25	0.25	88	0.157	<20	1.19	0.008	0.17	0.3	0.04	1.2	0.1	<0.05	10	<0.5
L117N 3050E	Soil			8	42	0.43	65	0.213	<20	2.36	0.007	0.24	0.7	0.05	2.3	0.2	<0.05	12	<0.5
L117N 3100E	Soil			11	37	0.49	75	0.126	<20	2.94	0.007	0.24	0.5	0.10	2.1	0.4	0.05	9	1.0
L117N 3150E	Soil			9	38	0.45	74	0.168	<20	2.06	0.008	0.32	0.2	0.06	1.9	0.3	<0.05	11	<0.5
L117N 3200E	Soil			9	40	0.57	165	0.190	<20	2.44	0.012	0.52	0.2	0.06	2.5	0.3	<0.05	10	<0.5
L116N 1200E	Soil			10	34	0.38	76	0.090	<20	1.99	0.008	0.26	0.6	0.05	1.3	0.3	<0.05	10	<0.5
L116N 1250E	Soil			11	40	0.49	83	0.119	<20	2.24	0.007	0.31	1.1	0.05	1.9	0.3	<0.05	12	0.6
L116N 1300E	Soil			13	38	0.53	60	0.085	<20	2.61	0.007	0.20	0.5	0.09	1.7	0.3	0.08	10	0.6
L116N 1350E	Soil			3	6	0.07	12	0.050	<20	0.98	0.010	0.03	0.2	0.05	0.5	<0.1	<0.05	5	<0.5
L116N 1400E	Soil			6	12	0.12	21	0.059	<20	1.22	0.007	0.07	0.2	0.06	0.8	0.1	<0.05	6	0.8
L116N 1450E	Soil			12	37	0.49	45	0.114	<20	2.49	0.006	0.19	0.9	0.11	2.4	0.3	0.06	13	0.8
L116N 1500E	Soil			7	15	0.21	22	0.076	<20	1.35	0.008	0.07	0.1	0.05	0.8	0.1	<0.05	8	0.7
L116N 1550E	Soil			11	29	0.29	33	0.054	<20	2.93	0.008	0.07	0.3	0.11	1.2	0.2	<0.05	9	0.7
L116N 1600E	Soil			7	18	0.13	37	0.093	<20	1.32	0.006	0.09	0.2	0.06	0.8	0.1	<0.05	11	<0.5
L116N 1650E	Soil			10	26	0.26	41	0.102	<20	2.20	0.007	0.12	6.6	0.06	1.3	0.2	<0.05	13	0.8
L115N 1200E	Soil			17	43	0.68	107	0.145	<20	2.93	0.008	0.47	1.3	0.06	3.0	0.4	<0.05	11	0.7
L115N 1250E	Soil			17	51	0.82	121	0.186	<20	3.20	0.009	0.42	1.2	0.05	3.8	0.4	<0.05	12	0.7
L115N 1300E	Soil			10	28	0.37	94	0.119	<20	2.08	0.006	0.20	0.8	0.06	1.8	0.3	<0.05	10	<0.5
L115N 1350E	Soil			23	32	0.45	65	0.088	<20	2.93	0.006	0.18	1.5	0.07	1.7	0.3	0.06	11	0.9
L115N 1400E	Soil			13	29	0.43	57	0.111	<20	2.18	0.006	0.18	0.5	0.04	1.7	0.3	<0.05	10	<0.5
L115N 1450E	Soil			11	33	0.46	68	0.127	<20	1.85	0.007	0.21	0.3	0.04	1.7	0.2	<0.05	12	<0.5
L115N 1500E	Soil			6	14	0.15	24	0.050	<20	1.36	0.010	0.06	0.2	0.04	0.6	0.1	0.09	7	0.8
L115N 1550E	Soil			8	14	0.13	21	0.032	<20	1.68	0.010	0.04	2.4	0.07	0.5	<0.1	0.07	8	0.9
L115N 1600E	Soil			8	35	0.55	58	0.121	<20	1.96	0.007	0.18	1.3	0.05	2.7	0.2	0.08	11	<0.5

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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L115N 1650E	Soil			2.9	17.6	19.1	35	<0.1	13.9	5.1	189	2.44	2.2	0.7	<0.5	0.6	6	0.2	0.1	1.5	63	0.03	0.035
L115N 1700E	Soil			1.3	33.5	19.3	76	0.2	24.1	11.4	221	3.45	3.6	2.4	0.6	1.0	9	0.3	0.2	1.2	45	0.09	0.038
L115N 1750E	Soil			3.7	21.9	18.7	67	0.1	18.2	9.8	348	4.49	6.2	1.7	0.9	1.4	7	0.2	0.3	1.8	63	0.05	0.036
L115N 1800E	Soil			2.5	19.9	16.2	39	0.1	12.7	5.5	265	2.83	4.6	1.0	0.7	0.3	4	0.2	0.5	0.7	57	0.02	0.060
L115N 1850E	Soil			26.1	18.2	22.6	47	0.2	16.2	6.3	162	3.54	64.6	5.1	<0.5	1.0	10	0.2	0.3	5.6	67	0.11	0.039
L115N 1900E	Soil			4.7	26.5	17.1	92	0.1	35.0	15.0	219	3.55	12.6	2.4	0.9	1.7	11	0.1	0.3	2.7	69	0.14	0.033
L115N 1950E	Soil			3.1	58.5	17.3	113	0.2	48.6	25.2	457	4.84	39.6	9.7	0.9	2.9	11	0.3	0.6	1.1	48	0.11	0.047
L115N 2000E	Soil			10.5	27.8	22.1	69	1.6	17.0	8.7	286	4.33	12.6	3.2	1.4	2.5	6	0.2	0.4	10.5	54	0.03	0.032
L115N 2050E	Soil			10.2	17.6	19.4	62	0.4	17.2	7.6	142	3.25	39.3	3.7	0.7	0.8	7	0.2	0.2	1.9	39	0.05	0.047
L115N 2100E	Soil			5.9	62.6	23.4	132	0.3	61.3	21.7	703	4.99	8.4	4.2	0.9	2.5	11	0.5	0.3	3.3	57	0.10	0.052
L115N 2150E	Soil			3.5	23.7	15.9	56	<0.1	19.7	9.7	388	4.27	1.9	0.8	0.6	1.4	5	0.2	0.2	1.5	63	0.03	0.036
L115N 2200E	Soil			2.4	16.1	14.8	19	0.1	7.2	2.9	69	1.87	0.9	0.9	0.8	<0.1	3	0.1	<0.1	0.7	33	0.02	0.034
L115N 2250E	Soil			3.0	20.6	11.6	21	0.1	9.6	3.5	103	2.32	1.3	2.9	<0.5	0.2	4	0.1	<0.1	0.5	44	0.03	0.046
L115N 2300E	Soil			6.7	36.4	19.0	144	0.1	34.4	12.2	172	3.33	2.0	2.6	1.1	1.1	8	0.3	0.3	8.5	63	0.07	0.039
L115N 2350E	Soil			4.0	27.7	18.5	50	0.1	23.3	7.6	535	3.56	2.6	1.4	<0.5	0.7	8	0.3	0.2	0.7	69	0.04	0.069
L115N 2400E	Soil			8.4	25.6	17.0	64	0.1	17.5	13.9	1363	3.45	1.9	2.4	0.8	1.1	8	0.3	0.3	3.4	53	0.05	0.054
L115N 2450E	Soil			3.1	23.6	17.9	71	0.1	18.9	6.5	244	3.69	2.6	2.0	<0.5	1.8	8	0.4	0.6	3.2	46	0.04	0.048
L115N 2500E	Soil			7.1	18.9	15.0	82	0.1	23.4	12.4	997	3.61	2.1	1.5	<0.5	2.4	10	0.3	0.5	2.3	57	0.06	0.033
L115N 2550E	Soil			5.4	16.9	20.2	43	<0.1	15.6	5.1	166	3.80	4.2	3.0	<0.5	2.1	9	0.4	0.6	8.4	59	0.05	0.045
L115N 2600E	Soil			3.5	9.0	17.8	29	<0.1	7.8	3.1	137	2.58	4.1	2.2	<0.5	3.1	7	0.2	0.7	1.8	49	0.04	0.032
L115N 2650E	Soil			3.0	17.0	16.6	60	0.2	16.8	6.4	221	3.85	6.3	4.1	<0.5	3.1	7	0.3	0.9	1.6	47	0.03	0.041
L115N 2700E	Soil			6.0	18.9	23.4	165	0.3	20.9	11.4	635	3.66	62.4	3.3	<0.5	3.5	11	1.4	0.6	1.9	44	0.08	0.038
L115N 2750E	Soil			2.8	12.8	19.9	27	0.2	6.5	6.3	479	1.36	1.8	2.1	<0.5	0.2	14	0.9	0.3	3.4	25	0.09	0.061
L115N 2800E	Soil			5.0	27.9	14.1	86	0.1	32.0	13.5	463	4.10	2.2	4.1	<0.5	3.9	18	0.9	0.7	2.4	51	0.18	0.041
L115N 2850E	Soil			4.0	18.5	19.5	210	0.1	20.8	16.1	1059	3.95	3.5	3.2	0.5	3.3	25	1.5	0.4	1.6	50	0.23	0.045
L115N 2900E	Soil			6.3	21.9	19.8	144	0.2	24.0	14.6	1287	3.46	10.0	10.4	<0.5	2.1	41	1.5	1.4	2.0	46	0.32	0.057
L115N 2950E	Soil			3.7	32.3	19.0	99	0.1	26.3	11.3	354	5.20	9.0	6.5	<0.5	2.8	14	0.9	1.3	0.9	53	0.08	0.060
L115N 3000E	Soil			3.2	19.1	13.0	106	<0.1	27.1	13.4	526	4.39	4.7	2.5	<0.5	3.1	36	0.3	0.5	0.7	55	0.40	0.032
L115N 3050E	Soil			2.8	33.0	13.6	102	0.2	30.6	21.4	1122	4.32	4.4	6.5	0.7	3.6	44	0.4	0.8	0.9	55	0.42	0.044
L115N 3100E	Soil			3.0	55.3	14.3	96	0.3	46.2	64.1	1119	3.41	2.7	5.0	<0.5	1.2	17	0.7	0.8	0.7	37	0.14	0.080

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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	
L115N 1650E	Soil	6	25	0.28	49	0.147	<20	1.25	0.006	0.17	0.5	0.02	1.3	0.2	<0.05	13	<0.5
L115N 1700E	Soil	12	35	0.40	58	0.104	<20	3.08	0.006	0.16	0.7	0.07	2.2	0.2	<0.05	10	0.9
L115N 1750E	Soil	8	35	0.36	63	0.138	<20	2.29	0.006	0.17	1.3	0.06	2.3	0.3	0.07	14	0.8
L115N 1800E	Soil	5	20	0.20	51	0.084	<20	1.43	0.005	0.14	1.0	0.05	0.9	0.2	0.12	10	<0.5
L115N 1850E	Soil	9	27	0.34	62	0.120	<20	1.86	0.005	0.16	1.7	0.05	2.0	0.2	0.07	15	<0.5
L115N 1900E	Soil	13	53	0.82	77	0.142	<20	3.19	0.007	0.21	2.0	0.02	3.9	0.3	0.08	14	<0.5
L115N 1950E	Soil	37	52	0.51	79	0.086	<20	4.17	0.007	0.11	8.3	0.09	3.5	0.3	<0.05	9	1.6
L115N 2000E	Soil	10	32	0.31	60	0.111	<20	2.78	0.005	0.15	3.7	0.08	2.4	0.3	0.05	11	0.8
L115N 2050E	Soil	14	26	0.34	47	0.074	<20	2.37	0.006	0.17	1.6	0.07	1.7	0.2	0.08	9	0.8
L115N 2100E	Soil	21	51	0.73	82	0.124	<20	3.65	0.009	0.29	7.0	0.07	4.1	0.4	0.06	12	0.9
L115N 2150E	Soil	6	31	0.32	73	0.146	<20	1.52	0.005	0.15	5.4	0.06	2.0	0.2	<0.05	11	<0.5
L115N 2200E	Soil	3	14	0.15	31	0.061	<20	1.17	0.007	0.07	1.8	0.06	0.5	0.1	<0.05	7	0.6
L115N 2250E	Soil	4	20	0.19	41	0.064	<20	1.33	0.007	0.07	2.0	0.05	0.9	<0.1	<0.05	8	0.5
L115N 2300E	Soil	12	56	0.56	73	0.113	<20	2.87	0.006	0.19	38.4	0.07	2.6	0.3	<0.05	11	0.7
L115N 2350E	Soil	12	34	0.25	103	0.077	<20	1.59	0.008	0.17	1.7	0.04	1.8	0.3	<0.05	10	<0.5
L115N 2400E	Soil	11	32	0.31	80	0.094	<20	1.93	0.009	0.19	11.1	0.05	2.1	0.2	<0.05	11	<0.5
L115N 2450E	Soil	16	31	0.34	54	0.085	<20	2.47	0.008	0.17	54.7	0.06	2.3	0.2	<0.05	11	0.7
L115N 2500E	Soil	11	34	0.38	78	0.134	<20	1.87	0.012	0.18	7.5	0.03	2.3	0.2	<0.05	12	<0.5
L115N 2550E	Soil	9	28	0.27	42	0.130	<20	1.38	0.009	0.14	5.8	0.05	1.7	0.2	<0.05	16	0.6
L115N 2600E	Soil	13	17	0.12	32	0.101	<20	1.03	0.009	0.07	1.4	0.03	1.2	0.1	<0.05	11	<0.5
L115N 2650E	Soil	15	33	0.38	54	0.106	<20	2.61	0.010	0.19	3.8	0.07	2.3	0.2	<0.05	11	1.1
L115N 2700E	Soil	14	37	0.49	81	0.145	<20	2.54	0.012	0.19	3.0	0.04	2.7	0.2	<0.05	11	0.6
L115N 2750E	Soil	10	11	0.10	43	0.036	<20	1.06	0.010	0.07	2.2	0.05	0.5	0.1	<0.05	7	<0.5
L115N 2800E	Soil	22	39	0.59	122	0.116	<20	2.17	0.013	0.40	6.2	0.03	3.8	0.3	<0.05	9	<0.5
L115N 2850E	Soil	18	42	0.57	91	0.166	<20	2.52	0.011	0.20	12.7	0.03	2.8	0.2	<0.05	11	<0.5
L115N 2900E	Soil	24	46	0.54	83	0.119	<20	2.93	0.016	0.20	8.1	0.04	3.1	0.3	<0.05	10	<0.5
L115N 2950E	Soil	17	56	0.56	88	0.143	<20	2.66	0.008	0.28	2.4	0.05	3.6	0.3	0.06	11	<0.5
L115N 3000E	Soil	12	48	0.64	116	0.206	<20	2.51	0.010	0.30	0.9	0.02	3.4	0.3	<0.05	10	<0.5
L115N 3050E	Soil	21	50	0.71	129	0.179	<20	2.74	0.011	0.46	0.8	0.04	4.2	0.5	<0.05	10	<0.5
L115N 3100E	Soil	21	34	0.49	100	0.103	<20	2.96	0.012	0.26	4.5	0.08	2.7	0.4	0.08	8	<0.5

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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L115N 3150E	Soil			2.9	33.5	14.0	117	0.1	34.7	30.0	1299	3.69	5.2	3.7	<0.5	1.8	14	0.6	0.8	0.6	47	0.09	0.049
L115N 3200E	Soil			2.1	46.9	13.3	89	<0.1	31.9	15.5	549	4.97	5.5	3.8	<0.5	4.1	24	0.3	0.3	0.6	62	0.06	0.042
L114N 1200E	Soil			2.1	18.3	13.9	47	0.1	18.7	7.0	204	3.49	8.5	1.9	<0.5	2.1	6	0.1	0.2	1.7	45	0.04	0.034
L114N 1250E	Soil			2.1	22.8	18.0	81	0.2	18.7	17.1	880	3.16	19.4	4.1	0.8	0.8	10	0.6	0.3	1.1	46	0.07	0.067
L114N 1300E	Soil			1.5	27.4	16.9	95	0.2	24.5	20.4	1404	3.22	13.2	4.9	<0.5	1.2	24	0.4	0.2	0.9	50	0.30	0.079
L114N 1350E	Soil			1.9	36.5	23.0	81	0.1	33.6	28.1	2145	2.16	4.2	2.3	<0.5	0.3	46	0.5	0.1	0.7	34	0.68	0.261
L114N 1400E	Soil			2.6	23.6	18.4	111	0.1	27.8	18.6	921	3.75	13.3	3.1	<0.5	2.7	22	0.4	0.4	0.8	58	0.24	0.042
L114N 1450E	Soil			1.4	43.3	17.3	163	0.2	47.3	17.4	694	4.92	493.6	17.3	<0.5	4.7	46	0.6	0.4	1.4	64	0.80	0.070
L114N 1500E	Soil			1.5	36.4	19.5	151	0.1	35.9	30.5	1275	4.41	162.7	5.8	<0.5	1.4	35	0.6	0.4	1.3	46	0.59	0.101
L114N 1550E	Soil			12.7	48.1	22.7	123	0.2	37.5	16.3	531	5.18	107.0	6.1	<0.5	2.0	11	0.3	0.5	4.8	73	0.08	0.066
L114N 1600E	Soil			3.9	28.6	18.8	102	0.2	29.9	12.8	643	3.98	22.8	4.5	<0.5	1.1	11	0.2	0.3	2.8	61	0.10	0.075
L114N 1650E	Soil			10.8	17.3	20.4	38	0.3	9.1	4.4	229	1.81	2.3	9.4	<0.5	0.3	7	0.3	0.2	1.9	34	0.06	0.068
L113N 1200E	Soil			2.2	16.4	18.9	38	0.1	12.9	4.8	170	4.13	11.5	1.3	<0.5	3.2	5	0.4	0.3	1.0	58	0.03	0.034
L113N 1250E	Soil			1.8	17.7	14.6	47	<0.1	19.1	6.7	163	4.49	19.3	1.7	<0.5	3.3	7	0.2	0.3	1.3	65	0.05	0.031
L113N 1300E	Soil			3.7	17.7	14.1	69	0.1	18.4	8.1	506	3.76	6.5	1.8	<0.5	1.7	9	0.2	0.3	1.9	51	0.04	0.044
L113N 1350E	Soil			2.6	20.6	18.3	97	<0.1	21.1	12.0	757	4.01	8.3	2.0	<0.5	2.7	19	0.2	0.2	1.3	62	0.21	0.037
L113N 1400E	Soil			1.5	37.2	10.8	85	0.1	33.2	16.9	398	3.95	9.9	2.1	0.5	2.0	14	0.3	0.2	1.0	51	0.23	0.036
L113N 1450E	Soil			0.7	38.7	13.2	122	0.2	47.6	16.6	527	5.00	250.4	7.3	1.0	3.5	30	0.3	0.3	0.7	49	0.75	0.085
L113N 1500E	Soil			2.2	27.8	14.0	98	<0.1	27.4	15.1	589	4.99	32.7	1.6	1.3	0.8	10	0.2	0.4	1.2	60	0.12	0.053
L113N 1550E	Soil			8.1	28.6	19.1	94	0.2	24.9	11.4	386	3.75	58.9	5.1	1.1	0.4	8	0.3	0.3	1.6	50	0.07	0.058
L113N 1600E	Soil			13.0	15.5	19.9	73	0.3	13.9	10.0	702	3.51	54.1	4.7	1.1	0.5	8	0.2	0.4	4.0	47	0.09	0.052
L113N 1650E	Soil			4.9	3.7	12.7	12	0.1	2.7	1.3	52	0.80	11.7	2.0	<0.5	<0.1	3	0.1	<0.1	1.0	26	0.02	0.040
L113N 1700E	Soil			10.8	14.4	19.5	36	0.1	11.5	5.3	179	3.35	3.2	3.6	<0.5	0.4	4	0.2	0.2	2.6	61	0.02	0.047
L113N 1750E	Soil			5.4	6.1	15.3	14	0.2	2.7	1.2	49	1.01	1.2	2.3	0.7	<0.1	2	0.1	0.2	10.1	22	0.01	0.045
L113N 1800E	Soil			5.2	7.2	14.8	18	<0.1	3.9	1.5	67	1.27	2.0	1.3	<0.5	0.1	3	<0.1	0.1	2.7	39	0.01	0.039
L113N 1850E	Soil			4.8	33.4	19.4	45	0.5	15.3	6.2	149	4.09	18.1	5.2	0.7	0.6	4	0.3	0.2	2.8	49	0.04	0.049
L113N 1900E	Soil			2.8	11.6	10.0	16	0.2	4.9	1.9	55	1.44	1.4	3.4	0.5	<0.1	3	0.2	<0.1	0.9	28	0.02	0.061
L113N 1950E	Soil			8.3	26.1	16.6	53	0.4	11.7	6.1	240	3.39	67.2	5.2	2.3	0.4	6	0.4	0.3	3.9	36	0.06	0.068
L113N 2000E	Soil			4.7	22.4	15.2	52	0.3	9.5	5.2	167	2.11	11.3	3.7	<0.5	0.3	9	0.1	1.7	1.3	43	0.14	0.044
L113N 2050E	Soil			2.8	19.0	15.7	33	0.2	9.0	5.6	64	2.32	8.2	2.7	<0.5	0.6	5	0.1	0.1	1.4	35	0.05	0.032

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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L115N 3150E	Soil	19	39	0.59	98	0.140	<20	2.63	0.011	0.27	0.3	0.04	2.6	0.3	<0.05	9	<0.5
L115N 3200E	Soil	17	66	1.11	330	0.275	<20	3.70	0.024	1.19	0.2	0.03	5.9	0.7	0.10	11	<0.5
L114N 1200E	Soil	17	32	0.40	60	0.108	<20	2.23	0.010	0.21	3.4	0.03	2.6	0.3	<0.05	9	0.8
L114N 1250E	Soil	28	30	0.43	68	0.082	<20	2.63	0.010	0.16	1.4	0.07	2.0	0.2	0.07	10	<0.5
L114N 1300E	Soil	33	32	0.47	89	0.093	<20	2.54	0.015	0.20	0.8	0.06	2.3	0.3	0.07	9	1.1
L114N 1350E	Soil	13	23	0.36	82	0.034	<20	2.27	0.018	0.08	0.2	0.05	0.8	0.2	0.06	7	<0.5
L114N 1400E	Soil	20	37	0.53	112	0.149	<20	2.58	0.012	0.23	0.4	0.05	3.1	0.3	<0.05	13	<0.5
L114N 1450E	Soil	44	65	0.83	99	0.201	<20	3.60	0.020	0.19	1.5	0.05	5.4	0.3	0.07	14	1.0
L114N 1500E	Soil	26	37	0.53	83	0.078	<20	2.88	0.012	0.14	0.2	0.08	2.4	0.3	0.10	9	0.6
L114N 1550E	Soil	12	52	0.66	65	0.134	<20	3.00	0.008	0.19	2.2	0.05	3.7	0.3	0.10	14	1.1
L114N 1600E	Soil	14	41	0.60	63	0.102	<20	3.02	0.009	0.17	0.9	0.03	2.7	0.3	0.10	12	0.6
L114N 1650E	Soil	9	17	0.19	37	0.059	<20	1.51	0.010	0.07	0.4	0.04	1.0	0.2	0.08	11	<0.5
L113N 1200E	Soil	15	27	0.30	52	0.116	<20	1.73	0.007	0.16	0.5	0.05	1.9	0.3	<0.05	12	<0.5
L113N 1250E	Soil	17	40	0.42	61	0.172	<20	2.83	0.008	0.18	2.0	0.07	2.6	0.3	0.06	14	0.6
L113N 1300E	Soil	15	31	0.38	86	0.113	<20	1.92	0.008	0.23	2.8	0.04	2.3	0.2	0.06	11	<0.5
L113N 1350E	Soil	18	32	0.41	118	0.165	<20	1.82	0.010	0.23	1.3	0.03	2.5	0.3	0.05	13	<0.5
L113N 1400E	Soil	17	42	0.69	93	0.159	<20	2.63	0.007	0.26	7.2	0.05	3.0	0.3	0.06	11	<0.5
L113N 1450E	Soil	37	54	1.14	78	0.175	<20	3.59	0.012	0.29	0.1	0.04	3.7	0.3	0.06	11	0.7
L113N 1500E	Soil	9	38	0.49	56	0.148	<20	2.11	0.005	0.15	3.1	0.05	1.9	0.2	0.06	11	<0.5
L113N 1550E	Soil	8	31	0.44	48	0.088	<20	2.17	0.005	0.13	1.0	0.06	1.4	0.2	0.09	12	0.7
L113N 1600E	Soil	8	22	0.28	60	0.092	<20	1.87	0.005	0.10	3.7	0.05	1.2	0.2	0.09	13	<0.5
L113N 1650E	Soil	3	7	0.06	17	0.044	<20	0.64	0.005	0.03	0.4	0.04	0.2	<0.1	0.07	7	<0.5
L113N 1700E	Soil	6	22	0.22	37	0.107	<20	1.80	0.005	0.09	4.2	0.04	1.1	0.1	0.09	15	<0.5
L113N 1750E	Soil	3	6	0.05	17	0.027	<20	0.86	0.005	0.03	0.1	0.04	0.2	0.1	0.08	7	<0.5
L113N 1800E	Soil	4	9	0.09	23	0.071	<20	0.86	0.004	0.05	0.3	0.03	0.3	<0.1	0.06	11	<0.5
L113N 1850E	Soil	8	26	0.30	46	0.092	<20	2.51	0.006	0.09	1.8	0.07	1.3	0.2	0.06	15	0.8
L113N 1900E	Soil	5	10	0.08	19	0.028	<20	1.45	0.007	0.03	0.6	0.11	0.4	<0.1	0.09	6	0.7
L113N 1950E	Soil	10	24	0.18	44	0.056	<20	2.67	0.006	0.07	2.2	0.09	1.0	0.2	0.10	11	1.0
L113N 2000E	Soil	8	25	0.34	57	0.086	<20	2.10	0.007	0.15	1.9	0.06	1.2	0.3	0.07	12	<0.5
L113N 2050E	Soil	10	21	0.16	34	0.079	<20	1.86	0.006	0.09	4.5	0.06	1.1	0.2	0.06	9	0.7

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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L113N 2100E	Soil			3.2	35.3	12.2	65	0.1	26.2	12.8	276	4.13	9.4	2.1	2.5	1.2	4	0.2	0.2	2.8	51	0.03	0.034
L113N 2150E	Soil			3.5	22.6	11.1	77	<0.1	24.8	10.3	300	5.28	3.7	1.0	1.1	2.1	5	0.3	0.3	3.7	56	0.03	0.025
L113N 2200E	Soil			2.3	12.8	14.0	21	0.4	5.4	2.2	68	1.82	32.5	0.9	1.2	0.4	3	0.1	0.2	1.3	36	0.02	0.032
L113N 2250E	Soil			2.7	20.9	10.7	36	0.4	11.7	4.6	113	2.18	16.7	1.6	1.4	0.2	4	0.3	0.2	2.4	36	0.03	0.058
L113N 2300E	Soil			1.8	15.6	12.7	42	0.1	13.5	5.6	317	3.38	1.7	0.9	0.7	0.9	8	0.4	0.2	1.1	52	0.09	0.042
L113N 2350E	Soil			3.0	10.7	10.0	36	<0.1	10.0	4.5	194	2.43	1.9	0.7	5.8	0.4	5	0.2	0.4	1.4	42	0.03	0.033
L113N 2400E	Soil			5.0	15.1	10.7	53	0.2	14.3	5.6	235	3.27	3.7	0.8	7.1	1.5	8	0.3	0.6	1.8	49	0.09	0.034
L113N 2450E	Soil			2.2	18.8	10.0	91	<0.1	21.5	9.0	258	4.47	5.2	1.3	2.2	1.5	18	0.1	0.4	1.2	52	0.23	0.036
L113N 2500E	Soil			3.3	9.9	18.6	16	<0.1	3.7	1.3	37	1.18	1.1	3.9	<0.5	<0.1	3	0.2	0.1	2.2	25	0.01	0.034
L113N 2550E	Soil			6.4	19.4	25.4	31	0.4	10.8	3.7	117	4.66	6.9	3.5	<0.5	1.0	4	0.4	0.4	13.3	64	0.02	0.071
L113N 2600E	Soil			3.9	24.0	12.7	80	0.4	22.3	15.5	527	2.86	3.8	5.4	1.0	0.8	14	0.4	0.3	1.5	36	0.20	0.038
L113N 2650E	Soil			5.7	13.9	22.8	23	0.3	6.0	2.1	78	2.12	2.3	5.3	0.6	0.2	4	0.5	0.1	1.0	31	0.03	0.048
L113N 2700E	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L113N 2750E	Soil			1.5	20.9	14.9	60	0.1	19.1	6.5	198	4.45	8.7	1.9	<0.5	3.0	7	0.2	0.4	1.0	47	0.03	0.037
L113N 2800E	Soil			3.6	24.3	9.1	83	0.2	26.6	14.8	421	4.38	7.1	3.8	1.1	3.2	6	0.3	0.2	0.6	53	0.04	0.025
L113N 2850E	Soil			4.0	16.4	14.1	123	0.1	18.5	9.3	609	3.75	21.5	2.9	<0.5	1.5	17	1.0	0.4	1.1	47	0.22	0.046
L113N 2900E	Soil			4.1	16.3	16.0	81	0.1	13.0	6.7	505	3.57	7.4	4.0	0.6	1.8	9	0.7	0.5	2.0	51	0.08	0.040
L113N 2950E	Soil			3.6	14.4	14.1	75	<0.1	12.4	8.1	456	3.08	6.0	3.4	0.8	1.9	9	0.7	0.6	1.6	45	0.11	0.031
L113N 3000E	Soil			4.1	19.6	12.8	134	0.2	26.3	22.3	612	4.32	19.7	5.7	0.5	2.1	23	0.7	1.3	1.0	57	0.25	0.040
L113N 3050E	Soil			5.5	22.7	13.0	88	0.2	22.6	19.3	1526	4.16	5.7	6.2	0.6	0.5	22	0.6	1.3	0.7	48	0.19	0.058
L113N 3100E	Soil			4.8	18.3	12.8	102	0.1	21.5	10.7	604	3.92	4.5	1.8	0.7	0.9	25	0.7	0.9	1.0	52	0.33	0.035
L113N 3150E	Soil			3.2	21.8	11.9	121	0.2	27.4	15.3	679	3.72	8.3	8.5	<0.5	1.5	52	1.4	1.0	0.8	45	0.71	0.044
L113N 3200E	Soil			2.6	18.9	11.6	106	0.1	24.6	12.3	478	4.15	3.5	2.4	1.0	1.8	33	0.3	0.3	0.9	54	0.46	0.031
L112N 1200E	Soil			1.8	38.8	13.3	47	<0.1	28.7	8.8	168	3.36	15.4	1.8	1.2	1.0	5	0.2	0.1	0.5	45	0.05	0.054
L112N 1250E	Soil			1.8	18.2	12.5	52	<0.1	18.1	8.0	141	3.77	13.6	1.0	1.1	1.5	4	0.2	0.3	1.0	50	0.02	0.024
L112N 1300E	Soil			1.9	16.5	12.7	75	<0.1	17.4	8.5	316	3.77	110.3	0.9	<0.5	1.4	8	0.2	0.9	1.2	46	0.08	0.029
L112N 1350E	Soil			2.1	21.3	12.5	55	<0.1	18.8	10.7	498	3.27	8.1	2.2	<0.5	0.9	5	0.3	0.2	1.1	42	0.04	0.042
L112N 1400E	Soil			2.2	18.4	12.4	56	<0.1	19.3	8.2	296	3.55	7.4	1.0	<0.5	1.0	5	0.2	0.3	1.1	51	0.05	0.033
L112N 1450E	Soil			3.4	18.7	18.4	82	<0.1	12.2	10.1	982	3.33	2.8	1.2	<0.5	0.7	8	0.4	0.3	0.8	55	0.06	0.048
L112N 1500E	Soil			7.9	15.8	11.8	61	0.1	13.6	6.1	151	2.47	30.9	8.8	1.2	0.3	7	0.3	0.2	2.1	32	0.09	0.038

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 Vancouver BC V6E 3X2 Canada

**Project:** FOX

**Report Date:** October 20, 2008

**Page:** 7 of 12 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN08010029.1**

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	
L113N 2100E	Soil	11	42	0.56	76	0.113	<20	3.22	0.007	0.30	12.0	0.07	2.7	0.3	0.06	11	0.8
L113N 2150E	Soil	8	41	0.46	68	0.128	<20	2.36	0.005	0.22	25.6	0.04	2.5	0.3	<0.05	12	0.6
L113N 2200E	Soil	5	13	0.09	30	0.072	<20	1.50	0.005	0.06	16.5	0.07	0.7	0.1	0.05	8	0.7
L113N 2250E	Soil	8	24	0.25	38	0.054	<20	1.94	0.008	0.11	18.4	0.07	0.9	0.2	0.06	7	0.7
L113N 2300E	Soil	7	25	0.23	73	0.117	<20	1.42	0.007	0.15	6.0	0.09	1.3	0.2	0.05	12	<0.5
L113N 2350E	Soil	5	18	0.16	38	0.081	<20	1.26	0.008	0.12	11.8	0.04	0.9	0.1	<0.05	8	<0.5
L113N 2400E	Soil	8	25	0.23	112	0.131	<20	1.08	0.006	0.18	8.3	0.04	1.3	0.2	<0.05	10	<0.5
L113N 2450E	Soil	10	42	0.60	126	0.168	<20	2.51	0.008	0.35	3.3	0.05	2.6	0.3	<0.05	11	<0.5
L113N 2500E	Soil	6	7	0.03	22	0.027	<20	0.69	0.006	0.02	0.2	0.03	0.2	<0.1	<0.05	6	<0.5
L113N 2550E	Soil	8	27	0.23	52	0.111	<20	1.81	0.005	0.17	2.2	0.08	1.1	0.1	0.08	21	<0.5
L113N 2600E	Soil	17	28	0.35	69	0.092	<20	2.25	0.008	0.17	4.0	0.06	1.8	0.2	0.05	8	0.5
L113N 2650E	Soil	6	12	0.09	27	0.041	<20	1.37	0.007	0.04	3.6	0.08	0.4	<0.1	0.07	9	<0.5
L113N 2700E	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
L113N 2750E	Soil	10	37	0.50	107	0.153	<20	2.66	0.006	0.34	13.6	0.10	2.5	0.3	<0.05	10	<0.5
L113N 2800E	Soil	13	51	0.89	136	0.214	<20	3.12	0.011	0.61	1.9	0.05	3.8	0.4	<0.05	10	0.5
L113N 2850E	Soil	12	32	0.47	172	0.157	<20	1.96	0.008	0.22	2.3	0.05	2.0	0.2	<0.05	10	<0.5
L113N 2900E	Soil	17	25	0.25	71	0.115	<20	1.90	0.007	0.13	1.5	0.04	1.6	0.1	0.05	12	<0.5
L113N 2950E	Soil	15	24	0.24	65	0.090	<20	1.71	0.007	0.11	3.1	0.03	1.6	0.2	<0.05	10	<0.5
L113N 3000E	Soil	16	48	0.76	100	0.181	<20	2.94	0.007	0.31	2.7	0.03	3.2	0.3	0.06	11	<0.5
L113N 3050E	Soil	15	40	0.52	107	0.100	<20	2.46	0.007	0.25	1.2	0.04	1.9	0.2	0.08	10	0.6
L113N 3100E	Soil	7	38	0.47	118	0.145	<20	1.92	0.007	0.24	5.2	0.03	1.9	0.2	<0.05	10	<0.5
L113N 3150E	Soil	14	49	0.59	94	0.140	<20	2.68	0.009	0.27	5.9	0.05	2.8	0.3	0.05	8	0.8
L113N 3200E	Soil	9	46	0.70	118	0.175	<20	2.54	0.006	0.30	2.4	0.03	3.0	0.3	<0.05	11	<0.5
L112N 1200E	Soil	14	36	0.41	54	0.096	<20	2.97	0.006	0.18	0.7	0.10	2.2	0.2	0.09	10	1.0
L112N 1250E	Soil	9	31	0.40	53	0.124	<20	2.01	0.005	0.17	2.9	0.05	2.5	0.2	<0.05	10	0.5
L112N 1300E	Soil	9	25	0.27	63	0.099	<20	1.33	0.004	0.12	6.5	0.03	1.9	0.1	<0.05	9	<0.5
L112N 1350E	Soil	12	28	0.37	65	0.105	<20	1.84	0.006	0.21	2.9	0.04	2.0	0.2	0.08	9	<0.5
L112N 1400E	Soil	9	28	0.34	59	0.120	<20	1.63	0.005	0.18	3.2	0.05	2.1	0.2	<0.05	10	<0.5
L112N 1450E	Soil	9	23	0.26	73	0.106	<20	1.34	0.006	0.10	0.7	0.02	1.2	0.1	<0.05	11	<0.5
L112N 1500E	Soil	16	20	0.23	30	0.064	<20	1.84	0.007	0.06	3.1	0.05	1.3	0.1	<0.05	7	0.6

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Report Date:

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Part 1

CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
L112N 1550E	Soil	12.1	28.9	17.6	100	0.2	25.7	11.9	415	3.71	93.7	12.6	<0.5	0.6	10	0.3	0.3	4.1	46	0.11	0.055
L112N 1600E	Soil	9.9	14.9	17.6	49	<0.1	11.4	7.2	302	2.90	40.7	2.3	<0.5	0.7	10	0.4	0.2	3.3	49	0.14	0.027
L112N 1650E	Soil	7.6	13.3	17.8	17	<0.1	3.7	1.3	66	1.68	3.4	7.0	1.1	0.1	4	0.3	<0.1	4.5	27	0.02	0.051
L111N 1200E	Soil	1.7	9.5	11.4	23	0.1	7.4	2.9	99	1.57	2.6	0.6	2.2	0.2	5	0.2	0.1	0.6	34	0.02	0.031
L111N 1250E	Soil	1.9	16.2	14.1	33	0.1	10.2	4.5	218	2.78	9.8	1.0	<0.5	0.6	6	0.2	0.2	0.7	48	0.04	0.033
L111N 1300E	Soil	1.6	36.1	11.8	67	0.1	37.6	15.1	299	4.36	17.6	2.0	<0.5	2.8	9	0.1	0.3	1.5	55	0.09	0.026
L111N 1350E	Soil	2.0	21.3	11.0	56	<0.1	18.0	7.8	193	3.29	9.4	1.5	<0.5	2.3	4	0.2	0.2	2.3	40	0.04	0.026
L111N 1400E	Soil	2.5	30.4	12.9	67	<0.1	28.9	13.3	322	4.38	5.2	1.5	35.4	1.8	6	0.3	0.3	1.9	56	0.04	0.028
L111N 1450E	Soil	3.3	22.2	9.7	87	<0.1	25.1	10.1	258	3.62	21.4	3.0	0.6	2.8	5	0.2	0.3	2.6	40	0.06	0.020
L111N 1500E	Soil	16.8	11.0	22.3	30	0.2	7.8	3.2	112	2.56	6.3	4.3	8.2	0.5	5	0.3	0.2	3.5	63	0.04	0.044
L111N 1550E	Soil	20.6	9.4	10.1	24	<0.1	5.6	3.4	154	2.02	3.5	2.9	0.5	0.2	3	0.2	0.2	1.9	31	0.03	0.036
L111N 1600E	Soil	8.1	18.5	13.7	38	0.1	13.0	5.1	121	5.38	13.7	4.3	1.5	0.8	3	0.2	0.8	4.0	43	0.03	0.052
L111N 1650E	Soil	45.4	17.5	19.0	49	0.1	7.1	7.3	730	2.90	31.7	4.5	0.6	0.5	5	0.4	0.3	7.9	51	0.04	0.051
L111N 1700E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L111N 1725E	Soil	6.3	7.0	13.2	14	<0.1	2.9	1.1	55	1.40	2.2	4.0	0.8	0.1	3	0.2	<0.1	2.7	24	0.02	0.048
L111N 1800E	Soil	24.0	29.9	25.5	117	0.2	23.2	10.3	346	3.93	44.9	5.2	<0.5	0.8	7	0.3	0.3	4.7	66	0.06	0.045
L111N 1850E	Soil	19.7	14.6	16.0	35	0.2	6.2	2.4	136	1.98	18.1	3.6	<0.5	0.2	6	0.3	0.2	4.2	32	0.04	0.039
L111N 1925E	Soil	17.8	14.4	18.8	70	0.3	12.1	4.8	162	2.71	2.7	6.0	0.5	0.6	8	0.2	0.2	1.5	44	0.09	0.041
L111N 1950E	Soil	16.7	19.8	17.3	57	0.1	18.5	7.6	129	3.49	14.6	7.0	6.5	1.6	6	0.3	0.3	3.9	54	0.06	0.030
L111N 2000E	Soil	9.8	22.5	25.0	91	0.2	16.7	7.6	355	4.87	16.1	6.0	0.6	1.5	7	0.3	0.5	2.3	74	0.05	0.046
L111N 2050E	Soil	3.6	19.6	10.1	86	0.1	22.1	11.6	266	3.53	69.1	2.5	1.0	1.8	5	0.3	0.4	2.0	41	0.05	0.020
L111N 2100E	Soil	3.6	36.3	19.3	68	0.2	19.4	17.4	575	4.24	13.4	2.6	0.7	1.2	6	0.4	0.8	1.9	48	0.04	0.038
L111N 2150E	Soil	2.5	25.4	16.9	51	0.2	15.4	9.2	318	3.54	10.5	1.9	<0.5	1.1	5	0.3	0.4	2.0	43	0.03	0.031
L111N 2200E	Soil	2.0	24.9	13.6	72	<0.1	21.6	10.2	362	3.77	7.8	2.4	0.6	2.8	4	0.4	0.7	2.6	43	0.03	0.027
L111N 2250E	Soil	7.3	14.7	16.4	48	0.2	12.6	7.0	165	3.23	17.3	1.7	<0.5	1.4	5	0.2	0.2	2.1	50	0.05	0.028
L111N 2300E	Soil	3.3	41.8	20.1	54	0.2	20.0	11.0	389	4.50	8.8	2.2	1.1	0.7	7	0.3	0.2	1.1	62	0.06	0.051
L111N 2350E	Soil	3.1	34.0	21.6	48	0.3	19.0	10.0	393	2.90	14.6	3.9	<0.5	0.5	6	0.4	0.4	8.3	39	0.03	0.040
L111N 2400E	Soil	3.0	14.8	14.8	39	0.2	14.9	5.9	206	2.82	2.4	1.0	0.8	1.0	7	0.3	0.2	1.3	51	0.05	0.033
L111N 2450E	Soil	2.2	20.4	14.7	28	0.4	9.2	4.3	151	1.87	2.8	2.1	<0.5	0.3	6	0.3	0.2	1.7	28	0.03	0.049
L111N 2500E	Soil	2.9	26.0	20.8	63	0.2	20.0	7.9	180	3.41	5.4	7.5	<0.5	1.4	6	0.3	0.4	2.2	43	0.04	0.033

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Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L112N 1550E	Soil	12	36	0.52	51	0.082	<20	2.63	0.006	0.13	8.0	0.06	2.1	0.2	0.05	10	0.8
L112N 1600E	Soil	6	20	0.21	71	0.114	<20	1.10	0.005	0.09	4.0	0.04	1.4	0.1	<0.05	10	<0.5
L112N 1650E	Soil	5	11	0.08	24	0.038	<20	1.41	0.005	0.05	0.2	0.07	0.5	<0.1	0.07	11	0.6
L111N 1200E	Soil	6	17	0.14	45	0.073	<20	0.77	0.006	0.12	0.7	0.02	0.7	0.1	<0.05	7	<0.5
L111N 1250E	Soil	10	22	0.16	48	0.088	<20	1.49	0.007	0.11	1.4	0.04	1.2	0.2	<0.05	10	0.5
L111N 1300E	Soil	16	48	0.71	114	0.170	<20	3.11	0.010	0.45	3.0	0.04	4.8	0.4	<0.05	10	0.8
L111N 1350E	Soil	11	28	0.39	69	0.119	<20	2.53	0.007	0.24	2.5	0.05	2.6	0.3	<0.05	9	<0.5
L111N 1400E	Soil	12	46	0.53	90	0.153	<20	2.76	0.008	0.36	7.8	0.05	3.8	0.4	<0.05	10	<0.5
L111N 1450E	Soil	13	34	0.58	85	0.133	<20	2.57	0.006	0.30	2.8	0.04	3.5	0.3	<0.05	9	<0.5
L111N 1500E	Soil	6	16	0.16	35	0.121	<20	1.31	0.005	0.07	1.6	0.04	1.1	0.1	<0.05	16	<0.5
L111N 1550E	Soil	4	10	0.08	19	0.052	<20	0.85	0.007	0.04	3.0	0.03	0.5	0.1	<0.05	7	<0.5
L111N 1600E	Soil	8	27	0.23	33	0.076	<20	2.45	0.007	0.10	6.0	0.12	1.6	0.2	0.08	14	1.0
L111N 1650E	Soil	5	14	0.20	45	0.079	<20	1.10	0.007	0.11	1.8	0.03	1.3	0.2	0.05	11	<0.5
L111N 1700E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L111N 1725E	Soil	4	7	0.05	20	0.047	<20	0.92	0.006	0.04	0.2	0.05	0.4	<0.1	0.06	9	0.8
L111N 1800E	Soil	10	34	0.60	57	0.114	<20	2.32	0.006	0.16	5.4	0.04	2.3	0.2	0.08	14	0.7
L111N 1850E	Soil	5	12	0.13	40	0.051	<20	1.02	0.006	0.06	2.0	0.04	0.7	0.1	0.05	9	<0.5
L111N 1925E	Soil	8	22	0.32	51	0.120	<20	1.69	0.009	0.09	7.3	0.04	1.7	0.2	0.06	14	<0.5
L111N 1950E	Soil	10	32	0.39	57	0.135	<20	2.55	0.007	0.16	28.8	0.08	2.5	0.2	0.07	15	0.6
L111N 2000E	Soil	10	30	0.35	49	0.135	<20	2.38	0.005	0.12	29.0	0.05	2.4	0.3	<0.05	17	0.7
L111N 2050E	Soil	10	36	0.55	57	0.141	<20	2.30	0.005	0.23	19.2	0.03	2.8	0.3	<0.05	8	0.7
L111N 2100E	Soil	11	32	0.37	60	0.130	<20	2.62	0.006	0.16	12.3	0.07	2.2	0.2	<0.05	13	0.7
L111N 2150E	Soil	10	30	0.28	51	0.100	<20	2.36	0.006	0.16	6.9	0.08	1.9	0.2	<0.05	10	0.8
L111N 2200E	Soil	14	36	0.51	73	0.142	<20	2.52	0.005	0.29	12.5	0.04	3.1	0.3	<0.05	9	<0.5
L111N 2250E	Soil	9	23	0.24	42	0.115	<20	1.64	0.007	0.13	5.8	0.04	1.7	0.2	<0.05	10	0.6
L111N 2300E	Soil	10	44	0.40	82	0.168	<20	2.96	0.007	0.23	4.2	0.07	2.8	0.3	0.07	12	0.8
L111N 2350E	Soil	11	25	0.23	62	0.072	<20	1.79	0.006	0.14	4.1	0.04	1.2	0.2	<0.05	10	0.6
L111N 2400E	Soil	7	23	0.18	57	0.119	<20	0.96	0.006	0.14	3.4	0.05	1.5	0.2	<0.05	9	<0.5
L111N 2450E	Soil	11	18	0.17	42	0.067	<20	1.53	0.007	0.12	5.1	0.04	0.8	0.1	<0.05	7	0.9
L111N 2500E	Soil	12	33	0.41	56	0.107	<20	2.62	0.006	0.18	13.5	0.04	2.3	0.2	<0.05	10	0.9

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Part 1

CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L111N 2550E	Soil			2.5	11.8	20.5	22	<0.1	6.8	2.2	75	1.79	1.9	4.2	4.0	0.3	4	0.3	0.1	1.9	33	0.02	0.044
L111N 2600E	Soil			4.2	12.3	13.2	40	0.6	10.2	3.7	116	2.22	4.3	2.9	<0.5	2.2	4	0.3	0.3	2.5	31	0.03	0.023
L111N 2650E	Soil			18.0	39.7	22.1	87	0.7	24.8	9.2	211	1.96	4.1	12.9	0.8	4.1	7	0.1	0.4	10.9	36	0.06	0.025
L111N 2700E	Soil			7.4	16.1	19.3	37	0.3	11.3	3.9	159	3.94	4.2	4.0	<0.5	1.4	6	0.5	0.5	2.7	52	0.03	0.048
L111N 2750E	Soil			6.6	21.0	14.8	90	0.2	17.5	7.7	370	2.86	7.0	7.6	<0.5	1.1	10	0.6	0.2	2.0	37	0.10	0.035
L111N 2800E	Soil			5.2	20.4	19.2	100	0.4	21.0	8.2	275	4.19	3.9	6.5	<0.5	1.8	22	0.2	0.3	1.3	54	0.33	0.037
L111N 2850E	Soil			3.1	15.0	15.7	44	<0.1	13.4	4.9	144	3.44	4.5	3.5	65.8	1.8	6	<0.1	0.5	1.6	53	0.04	0.030
L111N 2900E	Soil			1.5	16.5	11.7	52	<0.1	17.4	5.9	204	4.31	4.4	1.5	<0.5	2.4	4	0.1	0.6	0.8	51	0.02	0.034
L111N 2950E	Soil			9.1	19.3	28.3	64	0.3	13.1	10.9	1368	4.28	13.5	4.4	<0.5	2.1	6	0.4	0.4	1.4	54	0.03	0.037
L111N 3000E	Soil			2.6	22.9	12.5	133	0.2	23.6	11.2	535	2.70	27.7	12.0	0.7	2.0	15	0.9	0.4	2.2	30	0.15	0.038
L111N 3050E	Soil			3.7	15.4	13.1	81	0.2	18.6	16.2	883	3.04	8.3	3.2	0.6	1.2	10	0.6	0.6	1.0	42	0.07	0.032
L111N 3100E	Soil			2.3	22.1	11.4	63	0.2	21.1	12.5	398	3.62	2.9	2.5	<0.5	1.3	10	0.4	0.1	0.9	44	0.04	0.031
L111N 3150E	Soil			2.1	15.1	12.5	49	0.2	14.4	7.6	324	2.75	2.3	2.0	<0.5	1.1	9	0.3	0.2	1.1	37	0.06	0.028
L111N 3200E	Soil			3.0	15.1	11.2	64	0.3	18.8	8.0	477	3.24	4.1	1.9	<0.5	2.2	8	0.3	0.2	1.1	41	0.05	0.025
L110N 1200E	Soil			1.8	22.2	11.8	67	0.2	25.4	9.7	349	3.91	8.0	1.4	<0.5	1.8	5	0.2	0.2	1.5	46	0.03	0.029
L110N 1250E	Soil			2.9	17.1	12.1	42	0.2	17.1	6.0	197	3.36	4.5	1.1	66.3	0.6	6	0.4	0.2	1.6	42	0.04	0.045
L110N 1300E	Soil			2.4	23.0	15.1	39	0.2	14.1	5.1	144	3.28	5.2	1.8	<0.5	1.4	4	0.2	0.4	1.9	42	0.02	0.037
L110N 1350E	Soil			2.0	26.2	11.6	64	0.2	33.3	14.1	271	3.62	5.4	1.9	<0.5	3.5	6	0.2	0.2	2.1	52	0.06	0.030
L110N 1400E	Soil			7.4	23.8	12.1	64	0.1	27.0	10.9	268	3.65	3.5	5.7	<0.5	2.3	5	0.3	0.2	2.7	50	0.04	0.027
L110N 1450E	Soil			12.3	16.3	14.3	42	0.1	14.2	5.4	152	2.59	3.8	4.5	<0.5	1.3	4	0.1	0.2	3.1	44	0.03	0.028
L110N 1500E	Soil			12.4	23.1	12.8	54	<0.1	18.9	6.8	194	3.73	7.1	4.5	<0.5	1.0	5	0.2	0.4	3.5	53	0.03	0.041
L110N 1550E	Soil			14.0	22.8	13.0	58	0.1	20.5	7.0	203	3.31	6.8	4.7	<0.5	1.0	6	0.2	0.5	9.0	49	0.05	0.037
L110N 1600E	Soil			13.6	24.1	17.7	46	0.2	13.3	5.7	216	4.62	9.1	6.8	<0.5	0.8	5	0.3	0.4	7.4	51	0.04	0.056
L110N 1650E	Soil			10.8	19.8	19.8	35	0.2	9.8	3.2	149	2.85	5.3	6.7	20.3	0.4	5	0.2	0.3	5.9	48	0.04	0.052
L110N 1700E	Soil			34.9	11.3	19.2	30	0.2	7.8	3.4	124	2.27	10.9	4.7	<0.5	0.7	5	0.1	0.3	5.4	39	0.04	0.030
L110N 1750E	Soil			22.5	14.7	21.4	42	0.1	11.2	4.2	241	4.20	16.1	4.0	<0.5	1.0	6	0.4	0.4	4.2	69	0.04	0.034
L110N 1800E	Soil			31.3	17.1	17.7	57	0.2	15.4	6.8	208	3.30	16.0	5.4	0.8	1.4	5	0.2	1.2	5.4	55	0.04	0.032
L110N 1850E	Soil			18.3	25.4	15.2	78	0.2	20.6	9.1	274	3.60	18.1	6.1	<0.5	1.7	6	0.2	0.5	3.6	52	0.05	0.029
L110N 1900E	Soil			11.6	21.4	19.1	82	0.2	20.7	8.3	286	4.42	52.0	4.6	<0.5	1.9	10	0.4	0.4	3.1	52	0.11	0.036
L110N 1950E	Soil			12.5	11.7	15.8	33	0.2	6.1	2.9	215	1.92	5.1	4.3	<0.5	0.4	4	0.2	0.1	3.3	42	0.03	0.053

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Report Date:

October 20, 2008

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Part 2

CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se
				ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
L111N 2550E	Soil			7	13	0.14	28	0.064	<20	1.22	0.007	0.06	3.3	0.04	0.7	<0.1	0.06	8	<0.5
L111N 2600E	Soil			14	16	0.22	37	0.071	<20	1.60	0.006	0.11	3.9	0.04	1.5	0.1	<0.05	7	<0.5
L111N 2650E	Soil			25	42	0.70	94	0.167	<20	3.01	0.010	0.37	2.8	0.02	3.2	0.4	0.10	8	0.6
L111N 2700E	Soil			11	24	0.29	45	0.145	<20	1.83	0.006	0.15	1.4	0.06	1.5	0.1	0.08	11	<0.5
L111N 2750E	Soil			15	28	0.39	70	0.129	<20	2.02	0.009	0.14	3.6	0.06	1.7	0.2	0.08	7	<0.5
L111N 2800E	Soil			16	41	0.64	86	0.212	<20	2.73	0.007	0.16	2.2	0.04	2.9	0.2	0.12	11	<0.5
L111N 2850E	Soil			10	27	0.37	39	0.160	<20	2.03	0.004	0.14	0.8	0.03	1.6	0.2	0.06	9	<0.5
L111N 2900E	Soil			8	37	0.49	70	0.208	<20	2.35	0.005	0.28	0.9	0.06	2.6	0.2	0.07	9	<0.5
L111N 2950E	Soil			10	31	0.27	50	0.157	<20	2.09	0.007	0.10	2.5	0.06	1.6	0.2	0.05	13	<0.5
L111N 3000E	Soil			21	31	0.43	76	0.109	<20	2.31	0.008	0.19	5.2	0.03	2.2	0.2	0.06	6	<0.5
L111N 3050E	Soil			12	30	0.41	78	0.142	<20	1.87	0.008	0.21	2.1	0.03	2.0	0.2	0.06	8	<0.5
L111N 3100E	Soil			11	38	0.61	115	0.175	<20	2.42	0.010	0.47	1.0	0.04	2.5	0.3	0.05	9	<0.5
L111N 3150E	Soil			11	25	0.39	73	0.128	<20	1.79	0.007	0.24	0.7	0.03	1.6	0.2	0.07	9	<0.5
L111N 3200E	Soil			10	32	0.46	77	0.170	<20	1.81	0.008	0.26	1.1	0.04	2.1	0.2	<0.05	8	<0.5
L110N 1200E	Soil			11	38	0.51	90	0.145	<20	2.36	0.008	0.41	5.0	0.06	2.8	0.3	<0.05	9	<0.5
L110N 1250E	Soil			6	26	0.34	50	0.098	<20	1.65	0.007	0.16	5.6	0.06	1.3	0.2	0.11	8	0.5
L110N 1300E	Soil			9	28	0.27	44	0.109	<20	2.79	0.006	0.12	7.2	0.09	1.9	0.2	0.12	9	<0.5
L110N 1350E	Soil			14	50	0.69	144	0.181	<20	3.41	0.014	0.61	7.0	0.06	4.3	0.4	0.07	8	0.5
L110N 1400E	Soil			13	39	0.51	93	0.163	<20	2.88	0.010	0.39	9.9	0.06	3.4	0.3	0.09	8	0.6
L110N 1450E	Soil			10	26	0.39	63	0.130	<20	2.04	0.010	0.27	2.9	0.04	1.8	0.2	0.07	10	<0.5
L110N 1500E	Soil			8	29	0.40	40	0.118	<20	1.87	0.006	0.14	7.7	0.04	2.0	0.1	0.07	12	<0.5
L110N 1550E	Soil			9	31	0.44	38	0.111	<20	2.10	0.006	0.14	9.9	0.07	2.0	0.2	0.11	11	0.7
L110N 1600E	Soil			8	25	0.30	34	0.080	<20	2.27	0.005	0.10	15.4	0.11	1.4	0.2	0.12	13	1.1
L110N 1650E	Soil			7	21	0.21	34	0.078	<20	2.01	0.005	0.08	4.1	0.08	1.1	0.2	0.07	13	<0.5
L110N 1700E	Soil			7	13	0.17	28	0.095	<20	1.41	0.007	0.05	11.2	0.04	1.0	0.1	0.09	9	<0.5
L110N 1750E	Soil			6	21	0.24	37	0.125	<20	1.66	0.004	0.07	12.5	0.06	1.2	0.1	<0.05	14	<0.5
L110N 1800E	Soil			8	26	0.40	46	0.152	<20	2.14	0.006	0.13	17.2	0.06	2.2	0.3	0.08	11	<0.5
L110N 1850E	Soil			10	31	0.45	43	0.127	<20	2.23	0.005	0.14	11.4	0.06	2.3	0.2	0.07	10	<0.5
L110N 1900E	Soil			8	31	0.40	57	0.144	<20	2.46	0.007	0.15	36.1	0.09	2.3	0.2	0.08	12	<0.5
L110N 1950E	Soil			5	12	0.22	30	0.052	<20	1.06	0.006	0.09	1.5	0.04	0.8	0.2	0.10	9	<0.5

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Project: FOX

Report Date: October 20, 2008

Page: 10 of 12 Part 1

CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L110N 2000E	Soil			8.3	10.8	20.5	27	0.2	6.6	2.1	83	2.20	1.9	4.8	<0.5	0.3	5	0.2	0.2	1.7	46	0.04	0.050
L110N 2050E	Soil			2.7	9.6	10.8	17	<0.1	4.5	1.9	58	1.54	2.2	1.7	<0.5	0.3	3	0.2	0.2	0.9	41	0.02	0.024
L110N 2100E	Soil			4.8	30.8	16.3	81	0.2	20.3	14.6	331	3.49	41.7	5.4	0.8	2.4	8	0.5	0.5	2.1	45	0.08	0.028
L110N 2150E	Soil			3.9	14.6	18.8	37	0.3	8.9	7.8	426	3.00	5.7	1.8	<0.5	0.6	4	0.4	0.3	1.5	40	0.03	0.036
L110N 2200E	Soil			3.5	30.9	15.7	62	0.2	23.9	10.3	240	3.55	5.1	2.7	<0.5	1.3	4	0.5	0.3	1.4	41	0.03	0.032
L110N 2250E	Soil			6.6	18.4	14.4	61	<0.1	24.0	7.4	149	2.81	10.4	3.5	<0.5	1.1	9	0.2	0.2	2.3	41	0.08	0.027
L110N 2300E	Soil			3.8	32.8	17.9	80	0.1	32.0	13.6	308	4.27	36.5	5.8	<0.5	2.5	9	0.3	0.4	2.2	52	0.08	0.037
L110N 2350E	Soil			4.2	34.1	14.4	61	0.2	25.4	21.6	474	3.11	16.1	4.3	0.7	0.5	10	0.3	0.2	1.5	47	0.08	0.065
L110N 2400E	Soil			1.8	25.9	11.2	56	<0.1	29.9	11.6	311	3.24	37.6	7.1	<0.5	2.9	30	0.5	0.4	2.2	33	0.40	0.043
L110N 2450E	Soil			2.9	21.1	15.0	57	0.3	15.1	11.2	560	2.72	3.0	2.8	<0.5	0.6	12	0.4	0.3	3.9	41	0.09	0.054
L110N 2500E	Soil			2.3	18.3	12.8	56	<0.1	16.8	6.7	229	3.96	4.0	2.2	0.5	3.1	5	0.3	0.4	1.5	51	0.02	0.034
L110N 2550E	Soil			3.2	30.4	16.8	107	0.2	29.5	14.0	352	3.38	6.7	5.9	0.5	3.7	12	0.4	0.5	2.8	38	0.08	0.035
L110N 2600E	Soil			4.0	15.4	22.7	56	0.4	11.5	4.8	284	3.30	3.2	2.7	<0.5	1.4	6	0.3	0.4	4.9	45	0.04	0.037
L110N 2650E	Soil			3.5	12.4	16.1	24	0.3	6.2	2.5	96	1.40	2.2	2.5	<0.5	0.2	6	0.2	0.5	9.8	33	0.03	0.038
L110N 2700E	Soil			20.1	13.2	22.3	36	0.3	8.9	6.4	399	1.90	2.0	4.9	0.6	0.5	9	0.4	0.2	4.3	38	0.08	0.043
L110N 2750E	Soil			11.1	21.2	14.0	77	0.3	21.8	8.8	279	4.12	3.9	7.0	<0.5	2.4	7	0.1	0.5	2.6	47	0.04	0.035
L110N 2800E	Soil			11.3	20.2	21.8	62	0.4	15.7	9.7	375	3.05	5.8	6.5	<0.5	1.3	8	0.5	0.6	3.8	42	0.04	0.047
L110N 2850E	Soil			7.5	21.8	15.7	102	0.2	24.5	13.4	343	4.16	5.7	8.9	0.6	3.7	19	0.5	0.4	1.9	54	0.22	0.032
L110N 2900E	Soil			4.2	22.7	14.3	86	0.2	23.5	12.0	341	3.61	4.8	7.7	<0.5	4.3	15	0.3	0.2	1.5	42	0.13	0.031
L110N 2950E	Soil			4.5	15.9	15.2	88	0.2	15.3	7.5	373	3.12	3.7	4.1	0.5	2.9	14	0.3	0.3	1.8	43	0.15	0.028
L110N 3000E	Soil			2.9	14.7	13.4	47	0.1	15.0	5.5	211	3.06	3.6	2.3	0.6	3.1	8	0.3	0.2	1.3	42	0.05	0.031
L110N 3050E	Soil			4.6	14.0	21.9	46	0.1	10.5	7.4	1427	2.26	2.9	6.9	2.3	1.3	15	0.3	0.5	1.3	36	0.16	0.035
L110N 3100E	Soil			3.2	17.7	14.0	51	0.2	20.5	9.4	437	3.19	4.6	7.0	<0.5	2.1	13	0.3	0.3	1.6	43	0.14	0.030
L110N 3150E	Soil			2.4	12.3	13.1	38	0.1	13.5	5.2	237	2.82	2.8	2.4	<0.5	2.7	10	0.2	0.2	1.3	45	0.07	0.026
L110N 3200E	Soil			2.2	15.1	13.2	56	0.3	15.8	7.8	281	3.47	3.8	3.0	0.6	4.1	13	0.5	0.3	1.1	46	0.10	0.029
L108N 1200E	Soil			2.8	13.5	13.3	68	0.2	14.6	7.3	757	3.41	3.6	1.5	<0.5	1.5	8	0.2	0.3	3.4	44	0.05	0.037
L108N 1250E	Soil			3.1	20.1	15.8	119	0.2	21.9	18.1	1657	2.52	45.4	6.5	<0.5	0.7	32	0.5	0.2	1.3	33	0.42	0.087
L108N 1300E	Soil			3.3	14.3	14.9	46	0.2	11.4	5.5	457	3.25	8.6	1.7	<0.5	1.2	10	0.4	0.4	2.4	40	0.09	0.041
L108N 1350E	Soil			3.6	9.4	13.6	19	0.3	5.7	2.0	99	1.79	1.9	1.1	<0.5	0.5	7	0.3	0.2	2.1	36	0.04	0.033
L108N 1400E	Soil			6.4	17.2	12.1	53	0.2	14.3	10.5	366	2.72	3.1	6.9	0.6	1.4	7	0.5	0.3	2.0	38	0.04	0.039

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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L110N 2000E	Soil	6	14	0.16	33	0.083	<20	1.37	0.007	0.05	1.7	0.06	0.6	<0.1	0.10	13	<0.5
L110N 2050E	Soil	4	7	0.05	23	0.078	<20	0.60	0.006	0.04	1.7	0.03	0.4	<0.1	0.10	7	<0.5
L110N 2100E	Soil	16	35	0.37	55	0.133	<20	2.87	0.006	0.15	10.7	0.08	2.4	0.3	0.14	8	0.8
L110N 2150E	Soil	5	19	0.21	38	0.092	<20	1.84	0.008	0.10	2.4	0.08	1.0	0.1	0.06	8	<0.5
L110N 2200E	Soil	11	35	0.50	78	0.143	<20	2.69	0.008	0.31	2.6	0.07	2.2	0.2	0.05	9	0.6
L110N 2250E	Soil	13	43	0.42	58	0.123	<20	1.97	0.007	0.14	1.8	0.05	2.0	0.2	0.06	8	<0.5
L110N 2300E	Soil	24	43	0.50	92	0.140	<20	2.77	0.009	0.23	4.4	0.05	3.0	0.3	0.06	10	1.0
L110N 2350E	Soil	15	36	0.40	55	0.082	<20	2.15	0.012	0.13	5.9	0.04	1.3	0.2	0.09	9	<0.5
L110N 2400E	Soil	15	36	0.46	73	0.119	<20	2.23	0.012	0.21	>100	0.03	2.8	0.2	0.05	6	0.7
L110N 2450E	Soil	13	24	0.33	60	0.086	<20	2.02	0.010	0.13	18.2	0.05	1.3	0.2	0.06	8	<0.5
L110N 2500E	Soil	15	33	0.43	59	0.171	<20	2.05	0.006	0.30	10.4	0.05	2.2	0.3	<0.05	10	0.9
L110N 2550E	Soil	18	39	0.51	90	0.126	<20	3.56	0.008	0.22	13.6	0.06	3.3	0.3	<0.05	9	<0.5
L110N 2600E	Soil	11	24	0.25	49	0.117	<20	2.08	0.006	0.12	3.0	0.06	1.4	0.2	<0.05	10	<0.5
L110N 2650E	Soil	9	11	0.08	39	0.056	<20	0.71	0.006	0.05	1.2	0.03	0.6	<0.1	<0.05	5	<0.5
L110N 2700E	Soil	10	16	0.21	48	0.086	<20	1.14	0.008	0.11	4.0	0.03	0.8	0.1	0.06	7	<0.5
L110N 2750E	Soil	14	43	0.69	91	0.177	<20	3.11	0.008	0.40	1.1	0.06	2.9	0.3	<0.05	11	0.9
L110N 2800E	Soil	13	28	0.40	59	0.125	<20	2.04	0.010	0.18	1.3	0.05	1.6	0.2	<0.05	10	<0.5
L110N 2850E	Soil	23	41	0.55	96	0.199	<20	3.04	0.008	0.18	2.6	0.04	3.2	0.2	<0.05	11	0.9
L110N 2900E	Soil	26	40	0.61	94	0.177	<20	2.92	0.008	0.23	2.2	0.04	3.2	0.3	<0.05	9	<0.5
L110N 2950E	Soil	14	27	0.33	93	0.150	<20	2.09	0.008	0.14	1.7	0.04	1.8	0.2	<0.05	9	1.1
L110N 3000E	Soil	14	27	0.40	65	0.129	<20	2.21	0.008	0.21	1.0	0.05	2.0	0.2	<0.05	9	<0.5
L110N 3050E	Soil	18	18	0.24	68	0.079	<20	1.66	0.009	0.12	0.9	0.03	1.3	0.3	<0.05	8	<0.5
L110N 3100E	Soil	21	34	0.50	87	0.122	<20	2.42	0.010	0.24	3.9	0.04	2.7	0.2	<0.05	9	0.5
L110N 3150E	Soil	16	26	0.34	65	0.152	<20	1.80	0.008	0.23	2.0	0.02	1.7	0.2	<0.05	9	<0.5
L110N 3200E	Soil	16	32	0.44	73	0.165	<20	2.03	0.012	0.28	1.2	0.04	2.5	0.2	<0.05	10	<0.5
L108N 1200E	Soil	12	26	0.29	74	0.104	<20	1.74	0.009	0.16	3.9	0.04	1.7	0.2	<0.05	11	<0.5
L108N 1250E	Soil	26	27	0.40	87	0.060	<20	2.58	0.012	0.16	5.0	0.06	1.8	0.3	0.07	7	<0.5
L108N 1300E	Soil	11	19	0.21	60	0.089	<20	1.23	0.009	0.10	3.7	0.05	1.1	0.2	<0.05	10	<0.5
L108N 1350E	Soil	9	11	0.07	37	0.065	<20	0.84	0.008	0.06	4.1	0.05	0.6	<0.1	<0.05	8	<0.5
L108N 1400E	Soil	16	25	0.32	50	0.093	<20	2.16	0.009	0.16	10.7	0.05	2.0	0.3	<0.05	8	<0.5

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Project: FOX

Report Date: October 20, 2008

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CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L108N 1450E	Soil			4.0	13.9	14.9	52	<0.1	15.1	5.4	176	5.32	6.4	2.2	0.7	4.6	6	0.4	0.4	3.0	63	0.03	0.044
L108N 1500E	Soil			8.3	17.7	19.9	50	0.2	12.8	5.3	192	4.51	5.5	3.0	<0.5	2.4	7	0.5	0.5	7.8	63	0.04	0.039
L108N 1550E	Soil			21.6	22.5	16.0	74	0.1	19.2	9.4	286	3.79	6.4	5.6	0.8	2.4	7	0.2	0.6	5.2	43	0.04	0.030
L108N 1600E	Soil			8.8	10.6	14.9	34	0.1	9.4	4.0	113	1.69	2.3	3.8	<0.5	0.5	6	0.4	0.2	3.9	27	0.03	0.029
L108N 1650E	Soil			7.4	5.4	28.2	15	0.1	2.6	1.2	55	0.84	0.8	1.7	1.3	1.1	6	0.3	0.2	6.8	27	0.03	0.015
L108N 1700E	Soil			24.8	14.6	18.5	54	0.1	15.3	6.0	301	3.55	7.5	2.8	0.9	2.7	10	0.3	0.6	5.8	61	0.10	0.037
L108N 1750E	Soil			11.2	19.2	18.5	51	0.1	12.1	4.5	210	4.99	6.4	3.7	2.0	2.0	7	0.4	0.5	7.6	61	0.04	0.045
L108N 1800E	Soil			8.8	10.9	17.7	31	<0.1	7.4	3.0	164	2.57	5.7	2.2	<0.5	2.2	5	0.2	0.5	4.0	68	0.02	0.035
L108N 1850E	Soil			4.5	11.1	15.4	30	0.2	7.9	2.9	111	2.87	5.3	1.1	<0.5	1.9	7	0.4	0.2	1.8	49	0.04	0.025
L108N 1900E	Soil			1.5	21.6	10.9	77	<0.1	29.7	10.9	334	4.31	10.4	1.9	<0.5	6.1	6	0.2	0.3	2.4	50	0.03	0.026
L108N 1950E	Soil			13.1	23.9	16.1	65	0.1	20.4	7.7	259	3.81	11.6	4.5	0.6	2.0	7	0.6	0.4	2.8	48	0.05	0.040
L108N 2000E	Soil			5.7	9.5	14.8	34	0.2	8.2	3.1	110	2.99	9.8	2.0	<0.5	1.9	5	0.3	0.3	1.9	45	0.03	0.028
L108N 2050E	Soil			8.8	16.7	15.1	33	0.1	7.5	4.3	105	1.91	10.5	4.7	1.5	0.3	4	0.2	0.2	1.1	31	0.04	0.029
L108N 2100E	Soil			3.2	16.2	14.2	42	0.1	13.8	6.0	183	3.51	5.5	1.6	1.0	1.1	3	0.2	0.2	1.8	40	0.03	0.025
L108N 2150E	Soil			3.0	17.4	14.2	40	0.2	14.1	8.6	410	3.26	4.3	1.5	<0.5	0.6	4	0.3	0.3	2.0	43	0.02	0.037
L108N 2200E	Soil			2.6	15.0	10.2	45	<0.1	14.6	5.8	157	3.71	5.6	1.4	<0.5	1.6	6	0.3	0.3	1.2	46	0.06	0.028
L108N 2250E	Soil			3.1	17.5	13.3	55	0.1	14.2	6.9	372	3.24	30.5	1.7	<0.5	0.7	7	0.3	0.3	1.7	45	0.05	0.036
L108N 2300E	Soil			4.0	20.6	13.6	86	0.1	21.9	15.4	712	3.28	58.9	3.4	<0.5	0.5	9	0.4	0.3	1.7	45	0.08	0.045
L108N 2350E	Soil			3.5	24.1	10.3	52	0.2	21.4	7.8	135	3.62	16.5	3.0	<0.5	1.1	10	0.2	0.2	1.8	40	0.13	0.028
L108N 2400E	Soil			3.7	15.7	13.1	30	0.2	12.3	4.5	101	2.30	2.4	1.7	0.8	0.7	9	0.1	0.2	1.6	52	0.11	0.026
L108N 2450E	Soil			2.5	32.9	14.3	31	0.3	7.7	6.1	226	1.91	3.2	1.8	1.9	0.5	5	0.3	0.3	1.6	32	0.04	0.028
L108N 2500E	Soil			1.8	14.7	8.9	46	<0.1	12.9	5.6	198	2.61	4.7	1.4	1.3	1.1	4	0.2	0.3	1.5	34	0.04	0.027
L108N 2550E	Soil			3.1	16.2	12.5	44	0.1	12.5	4.9	176	3.44	4.3	1.6	<0.5	1.1	4	0.2	0.4	2.6	35	0.02	0.031
L108N 2600E	Soil			2.5	14.7	10.1	59	0.2	14.3	6.0	200	2.97	4.0	2.0	<0.5	1.4	6	0.2	0.4	2.1	34	0.04	0.026
L108N 2650E	Soil			1.8	19.1	10.5	50	0.2	14.7	6.1	167	3.27	4.4	1.6	<0.5	1.6	4	0.2	0.5	2.4	35	0.02	0.026
L108N 2700E	Soil			1.5	15.6	12.2	40	0.1	11.6	4.7	128	2.85	5.4	3.2	<0.5	1.0	4	0.1	0.5	1.5	36	0.02	0.036
L108N 2750E	Soil			7.2	24.7	18.3	87	0.3	22.3	18.7	841	3.26	5.3	6.6	<0.5	1.0	12	0.4	0.3	4.8	41	0.12	0.034
L108N 2800E	Soil			7.5	17.0	17.2	68	0.8	18.3	7.2	199	2.99	6.9	5.2	<0.5	2.3	7	0.4	0.3	4.0	37	0.05	0.024
L108N 2850E	Soil			2.8	10.3	12.0	30	<0.1	9.3	3.5	175	2.99	3.0	1.1	0.7	1.7	4	<0.1	0.2	1.2	44	0.02	0.026
L108N 2900E	Soil			2.2	19.1	12.0	48	<0.1	15.1	5.8	191	4.07	4.1	1.2	0.5	1.7	4	0.2	0.2	1.1	50	0.02	0.028

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L108N 1450E	Soil	14	30	0.36	50	0.175	<20	1.96	0.006	0.18	4.7	0.05	2.1	0.2	<0.05	15	<0.5
L108N 1500E	Soil	11	26	0.26	51	0.134	<20	2.30	0.006	0.13	6.7	0.08	1.8	0.2	<0.05	14	<0.5
L108N 1550E	Soil	15	31	0.56	57	0.129	<20	2.46	0.008	0.19	5.0	0.04	2.4	0.3	<0.05	11	<0.5
L108N 1600E	Soil	7	16	0.21	29	0.071	<20	1.26	0.009	0.09	2.7	0.03	1.1	0.1	<0.05	8	<0.5
L108N 1650E	Soil	11	7	0.07	27	0.090	<20	0.83	0.009	0.05	1.3	0.03	0.7	0.1	<0.05	10	<0.5
L108N 1700E	Soil	10	26	0.37	58	0.141	<20	1.73	0.007	0.15	8.3	0.05	2.1	0.2	<0.05	14	<0.5
L108N 1750E	Soil	11	25	0.26	45	0.126	<20	2.25	0.006	0.11	4.9	0.08	1.9	0.2	<0.05	17	1.0
L108N 1800E	Soil	11	15	0.16	37	0.144	<20	1.10	0.006	0.10	3.3	0.03	1.3	0.1	<0.05	15	<0.5
L108N 1850E	Soil	9	19	0.18	47	0.125	<20	1.29	0.010	0.12	5.0	0.03	1.2	0.2	<0.05	11	<0.5
L108N 1900E	Soil	16	47	0.76	155	0.195	<20	2.80	0.013	0.71	3.2	0.05	4.3	0.4	<0.05	9	0.6
L108N 1950E	Soil	13	29	0.46	52	0.127	<20	2.19	0.008	0.19	7.3	0.06	2.4	0.2	<0.05	12	<0.5
L108N 2000E	Soil	9	16	0.21	40	0.111	<20	1.64	0.007	0.10	1.9	0.06	1.4	0.1	<0.05	12	<0.5
L108N 2050E	Soil	8	15	0.15	39	0.074	<20	1.70	0.005	0.08	1.7	0.06	0.8	0.2	<0.05	8	<0.5
L108N 2100E	Soil	7	26	0.29	54	0.099	<20	2.21	0.006	0.16	8.3	0.08	1.7	0.3	<0.05	9	0.7
L108N 2150E	Soil	7	23	0.22	52	0.108	<20	1.73	0.005	0.14	5.0	0.08	1.2	0.2	<0.05	10	<0.5
L108N 2200E	Soil	7	26	0.30	57	0.137	<20	1.56	0.005	0.17	7.5	0.04	1.9	0.2	<0.05	9	<0.5
L108N 2250E	Soil	7	26	0.24	55	0.102	<20	1.77	0.006	0.10	10.2	0.05	1.3	0.2	<0.05	9	0.7
L108N 2300E	Soil	13	34	0.43	79	0.105	<20	2.16	0.008	0.14	3.9	0.05	1.6	0.2	<0.05	9	0.7
L108N 2350E	Soil	13	35	0.39	73	0.143	<20	2.36	0.007	0.20	8.9	0.06	2.2	0.2	<0.05	9	<0.5
L108N 2400E	Soil	7	26	0.26	59	0.149	<20	1.33	0.011	0.17	4.8	0.04	1.4	0.2	<0.05	10	<0.5
L108N 2450E	Soil	6	16	0.15	41	0.074	<20	1.57	0.006	0.09	4.0	0.06	0.9	0.1	0.05	6	<0.5
L108N 2500E	Soil	8	25	0.32	68	0.112	<20	1.61	0.004	0.21	3.9	0.04	1.6	0.2	<0.05	7	<0.5
L108N 2550E	Soil	8	26	0.30	60	0.108	<20	1.65	0.005	0.22	2.3	0.05	1.5	0.2	<0.05	9	<0.5
L108N 2600E	Soil	8	29	0.39	67	0.117	<20	1.95	0.005	0.21	2.0	0.05	1.9	0.2	<0.05	8	<0.5
L108N 2650E	Soil	10	28	0.37	70	0.108	<20	1.89	0.006	0.24	2.9	0.04	1.9	0.2	<0.05	8	<0.5
L108N 2700E	Soil	9	27	0.27	45	0.100	<20	2.57	0.004	0.16	1.1	0.09	1.7	0.3	<0.05	7	0.8
L108N 2750E	Soil	15	34	0.44	88	0.114	<20	2.39	0.007	0.18	6.3	0.05	2.1	0.3	<0.05	9	<0.5
L108N 2800E	Soil	14	31	0.46	67	0.138	<20	1.94	0.006	0.20	2.4	0.04	2.3	0.2	<0.05	7	<0.5
L108N 2850E	Soil	9	21	0.21	42	0.130	<20	1.32	0.005	0.13	1.0	0.04	1.3	0.2	<0.05	9	0.6
L108N 2900E	Soil	6	34	0.41	67	0.160	<20	1.93	0.005	0.26	0.9	0.06	2.2	0.2	<0.05	10	<0.5

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



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Project:

FOX

Report Date:

October 20, 2008

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Part 1

## CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L108N 2950E Soil	1.4	21.1	10.7	57	0.1	23.1	8.9	283	3.97	4.2	1.2	<0.5	1.9	5	<0.1	0.2	0.9	47	0.02	0.023
L108N 3000E Soil	4.9	13.8	13.3	35	0.3	10.8	5.0	119	2.90	3.2	1.5	0.5	0.6	4	0.3	0.2	1.3	37	0.02	0.029



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## CERTIFICATE OF ANALYSIS

VAN08010029.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
L108N 2950E Soil	7	42	0.63	105	0.188	<20	2.23	0.007	0.51	1.1	0.04	3.1	0.4	<0.05	9	<0.5
L108N 3000E Soil	6	20	0.21	49	0.097	<20	1.58	0.005	0.14	4.4	0.05	1.3	0.1	<0.05	8	0.6

**QUALITY CONTROL REPORT**

**VAN08010029.1**

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																							
L118N 1500E	Soil			1.4	44.7	15.0	82	<0.1	46.7	13.5	327	4.52	10.1	3.6	1.1	3.1	9	0.2	0.3	0.6	52	0.10	0.059
REP L118N 1500E	QC			1.4	47.1	15.1	84	<0.1	46.5	13.8	327	4.55	10.2	3.5	0.7	3.2	9	0.2	0.3	0.6	51	0.10	0.062
L117N 1850E	Soil			2.0	25.4	15.0	48	0.1	15.3	5.5	222	2.73	2.4	2.5	0.7	0.6	8	0.3	0.2	0.6	44	0.07	0.083
REP L117N 1850E	QC			1.9	25.1	15.3	50	0.1	15.1	5.5	227	2.76	2.4	2.5	<0.5	0.6	8	0.3	0.1	0.6	43	0.07	0.084
L115N 1400E	Soil			1.6	22.0	17.6	51	0.1	17.9	7.1	127	2.60	8.0	1.9	0.8	0.8	6	<0.1	0.1	0.6	41	0.06	0.030
REP L115N 1400E	QC			1.7	23.5	18.1	53	0.1	18.0	7.6	136	2.62	8.7	2.0	<0.5	0.9	7	<0.1	0.2	0.7	42	0.07	0.034
L115N 2900E	Soil			6.3	21.9	19.8	144	0.2	24.0	14.6	1287	3.46	10.0	10.4	<0.5	2.1	41	1.5	1.4	2.0	46	0.32	0.057
REP L115N 2900E	QC			6.5	22.8	19.8	151	0.2	24.2	14.6	1388	3.65	10.0	10.4	<0.5	2.1	40	1.9	1.4	2.6	48	0.33	0.060
L113N 1950E	Soil			8.3	26.1	16.6	53	0.4	11.7	6.1	240	3.39	67.2	5.2	2.3	0.4	6	0.4	0.3	3.9	36	0.06	0.068
REP L113N 1950E	QC			8.3	27.4	16.9	54	0.4	11.3	6.1	237	3.44	66.9	5.2	1.6	0.4	6	0.5	0.3	4.6	37	0.06	0.068
L112N 1250E	Soil			1.8	18.2	12.5	52	<0.1	18.1	8.0	141	3.77	13.6	1.0	1.1	1.5	4	0.2	0.3	1.0	50	0.02	0.024
REP L112N 1250E	QC			1.7	17.4	12.5	50	<0.1	17.6	7.2	138	3.75	14.1	0.9	1.0	1.5	4	0.2	0.3	1.0	49	0.02	0.024
L111N 2850E	Soil			3.1	15.0	15.7	44	<0.1	13.4	4.9	144	3.44	4.5	3.5	65.8	1.8	6	<0.1	0.5	1.6	53	0.04	0.030
REP L111N 2850E	QC			3.2	14.4	15.6	46	<0.1	14.8	5.0	153	3.67	4.4	3.3	<0.5	1.7	6	0.1	0.5	1.6	57	0.04	0.029
L108N 1750E	Soil			11.2	19.2	18.5	51	0.1	12.1	4.5	210	4.99	6.4	3.7	2.0	2.0	7	0.4	0.5	7.6	61	0.04	0.045
REP L108N 1750E	QC			11.1	18.7	19.1	49	0.1	11.7	4.8	211	5.05	6.7	3.8	<0.5	2.1	7	0.3	0.5	7.6	61	0.04	0.048
L108N 2050E	Soil			8.8	16.7	15.1	33	0.1	7.5	4.3	105	1.91	10.5	4.7	1.5	0.3	4	0.2	0.2	1.1	31	0.04	0.029
REP L108N 2050E	QC			9.0	11.8	14.2	31	0.2	7.9	4.4	103	1.94	9.4	4.6	1.6	0.3	4	0.2	0.2	1.0	31	0.03	0.030
Reference Materials																							
STD DS7	Standard			21.4	121.7	62.8	413	0.8	57.6	9.6	621	2.35	56.7	4.6	139.1	3.8	64	6.7	5.7	4.4	85	0.94	0.086
STD DS7	Standard			20.5	106.3	66.4	390	0.7	56.6	9.6	580	2.31	52.0	4.3	61.3	3.7	64	6.5	5.6	4.3	83	0.89	0.077
STD DS7	Standard			20.1	108.4	68.4	399	0.8	56.5	9.5	590	2.28	53.8	4.7	55.9	3.8	60	6.6	5.6	4.3	84	0.86	0.081
STD DS7	Standard			20.6	114.5	74.7	411	0.8	59.4	10.4	632	2.40	55.5	4.6	74.8	4.1	65	6.8	6.0	4.7	90	0.94	0.082
STD DS7	Standard			19.4	107.9	60.6	397	0.7	56.2	9.1	581	2.21	50.9	4.5	52.7	3.6	55	6.4	5.1	4.5	81	0.87	0.080
STD DS7	Standard			19.3	103.9	60.7	391	0.8	54.4	9.3	580	2.22	50.8	4.6	56.9	3.3	56	6.6	5.4	4.2	77	0.84	0.082
STD DS7	Standard			20.1	106.9	68.7	377	0.8	52.0	8.9	558	2.13	45.3	4.7	62.0	3.7	57	5.7	5.0	4.1	79	0.82	0.072
STD DS7	Standard			19.7	105.2	68.3	385	0.9	55.2	9.2	568	2.21	52.3	4.7	56.9	3.9	60	5.6	4.9	4.1	80	0.84	0.075
STD DS7	Standard			20.5	104.1	78.0	405	0.8	52.9	9.0	616	2.27	53.0	5.4	55.9	4.8	77	6.5	6.2	4.8	82	0.90	0.076

**QUALITY CONTROL REPORT**

**VAN08010029.1**

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																	
L118N 1500E	Soil	28	45	0.73	92	0.131	<20	4.38	0.007	0.14	0.5	0.09	3.7	0.3	<0.05	10	1.0
REP L118N 1500E	QC	29	45	0.73	96	0.130	<20	4.46	0.007	0.14	0.5	0.11	3.7	0.2	<0.05	11	1.3
L117N 1850E	Soil	16	36	0.37	46	0.083	<20	3.39	0.010	0.14	0.3	0.12	1.5	0.2	0.07	14	1.3
REP L117N 1850E	QC	16	37	0.38	47	0.082	<20	3.37	0.010	0.14	0.3	0.12	1.5	0.3	0.08	15	1.0
L115N 1400E	Soil	13	29	0.43	57	0.111	<20	2.18	0.006	0.18	0.5	0.04	1.7	0.3	<0.05	10	<0.5
REP L115N 1400E	QC	15	29	0.44	62	0.115	<20	2.33	0.007	0.19	0.6	0.04	2.0	0.3	<0.05	11	0.6
L115N 2900E	Soil	24	46	0.54	83	0.119	<20	2.93	0.016	0.20	8.1	0.04	3.1	0.3	<0.05	10	<0.5
REP L115N 2900E	QC	25	49	0.55	90	0.118	<20	3.09	0.016	0.20	11.0	0.05	3.1	0.3	<0.05	10	<0.5
L113N 1950E	Soil	10	24	0.18	44	0.056	<20	2.67	0.006	0.07	2.2	0.09	1.0	0.2	0.10	11	1.0
REP L113N 1950E	QC	10	24	0.19	45	0.058	<20	2.75	0.006	0.07	2.2	0.07	1.0	0.2	0.10	12	0.8
L112N 1250E	Soil	9	31	0.40	53	0.124	<20	2.01	0.005	0.17	2.9	0.05	2.5	0.2	<0.05	10	0.5
REP L112N 1250E	QC	8	31	0.38	52	0.125	<20	1.93	0.004	0.16	3.0	0.05	2.5	0.2	<0.05	11	<0.5
L111N 2850E	Soil	10	27	0.37	39	0.160	<20	2.03	0.004	0.14	0.8	0.03	1.6	0.2	0.06	9	<0.5
REP L111N 2850E	QC	9	28	0.39	37	0.163	<20	1.92	0.004	0.15	0.7	0.04	1.7	0.2	0.07	10	<0.5
L108N 1750E	Soil	11	25	0.26	45	0.126	<20	2.25	0.006	0.11	4.9	0.08	1.9	0.2	<0.05	17	1.0
REP L108N 1750E	QC	11	25	0.28	46	0.123	<20	2.37	0.007	0.12	5.1	0.08	2.2	0.2	<0.05	17	<0.5
L108N 2050E	Soil	8	15	0.15	39	0.074	<20	1.70	0.005	0.08	1.7	0.06	0.8	0.2	<0.05	8	<0.5
REP L108N 2050E	QC	8	14	0.16	38	0.076	<20	1.67	0.005	0.08	1.7	0.05	0.8	0.2	<0.05	8	<0.5
Reference Materials																	
STD DS7	Standard	11	161	1.03	382	0.100	42	0.96	0.083	0.44	3.8	0.18	2.3	4.2	0.22	5	3.7
STD DS7	Standard	11	159	1.00	377	0.101	34	0.92	0.079	0.41	3.7	0.20	2.2	4.2	0.20	4	3.8
STD DS7	Standard	10	160	1.00	363	0.094	33	0.90	0.076	0.43	3.8	0.19	1.9	4.2	0.22	4	3.5
STD DS7	Standard	11	170	1.05	394	0.104	41	0.99	0.084	0.45	4.1	0.22	2.1	4.5	0.24	5	4.0
STD DS7	Standard	10	166	0.99	364	0.095	38	0.90	0.075	0.42	3.8	0.18	2.1	3.9	0.20	4	3.4
STD DS7	Standard	10	163	0.97	380	0.091	35	0.87	0.072	0.41	3.7	0.19	1.9	3.9	0.21	4	3.6
STD DS7	Standard	10	155	0.93	327	0.095	29	0.85	0.073	0.40	3.6	0.20	2.4	4.0	0.22	4	3.7
STD DS7	Standard	11	157	0.95	353	0.099	33	0.87	0.076	0.40	3.5	0.18	2.3	4.1	0.21	4	3.8
STD DS7	Standard	12	168	0.99	370	0.107	31	0.97	0.091	0.44	3.8	0.19	2.5	4.3	0.16	5	4.2

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**Project:** FOX

**Report Date:** October 20, 2008

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**Page:** 2 of 2 **Part** 1

## QUALITY CONTROL REPORT

VAN08010029.1

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD DS7	Standard	22.3	108.4	81.3	400	0.9	57.8	9.1	615	2.31	55.0	5.6	54.1	5.0	80	6.6	7.0	5.1	86	0.95	0.080
STD DS7	Standard	23.0	109.9	86.6	421	0.9	57.3	10.2	655	2.48	57.7	5.5	170.8	4.8	82	6.5	6.5	5.3	92	0.97	0.079
STD DS7	Standard	22.1	107.3	81.6	428	0.8	61.0	9.3	648	2.50	55.5	5.2	58.2	5.0	83	6.8	5.7	4.9	87	0.98	0.077
STD DS7	Standard	18.3	104.4	65.6	403	0.9	56.4	9.3	587	2.25	51.1	4.3	57.2	3.5	57	6.2	4.8	4.0	83	0.87	0.079
STD DS7	Standard	19.6	106.9	63.7	394	1.0	56.5	9.4	594	2.29	52.5	4.4	62.4	3.5	56	6.3	5.1	4.1	85	0.88	0.079
STD DS7	Standard	19.7	109.7	71.9	387	0.9	53.9	8.7	568	2.14	48.1	4.8	64.1	3.8	66	5.6	4.8	4.3	82	0.82	0.077
STD DS7	Standard	19.6	107.5	72.2	401	0.9	56.2	9.2	577	2.23	48.0	4.6	57.3	3.8	62	6.0	5.3	4.3	84	0.83	0.072
STD DS7	Standard	19.2	106.6	67.7	387	0.9	52.7	9.1	563	2.15	48.0	4.4	55.6	3.4	58	6.3	5.5	4.3	81	0.83	0.076
STD DS7	Standard	19.3	111.4	66.4	396	0.8	54.8	9.4	581	2.23	53.3	4.6	63.9	3.9	58	6.5	5.5	4.4	81	0.85	0.077
STD DS7 Expected		20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

**QUALITY CONTROL REPORT**

**VAN08010029.1**

		1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD DS7	Standard	14	169	1.04	392	0.111	34	0.99	0.092	0.44	3.6	0.20	2.4	4.3	0.23	5	4.7
STD DS7	Standard	13	179	1.05	388	0.117	41	1.07	0.094	0.43	4.0	0.21	2.4	4.4	0.22	5	4.7
STD DS7	Standard	13	169	1.07	370	0.113	39	1.00	0.089	0.44	3.3	0.20	2.3	4.1	0.21	5	4.5
STD DS7	Standard	10	156	1.00	365	0.092	32	0.92	0.077	0.42	3.7	0.22	1.8	4.6	0.18	5	3.8
STD DS7	Standard	10	160	0.99	377	0.090	33	0.95	0.078	0.42	3.9	0.17	1.7	4.1	0.21	4	4.3
STD DS7	Standard	11	164	0.96	360	0.107	32	0.92	0.079	0.39	3.3	0.18	2.0	4.2	0.25	4	3.6
STD DS7	Standard	11	161	0.96	358	0.108	34	0.88	0.074	0.41	3.4	0.19	1.9	4.2	0.26	4	3.2
STD DS7	Standard	10	148	0.97	370	0.092	35	0.86	0.073	0.39	4.2	0.20	2.0	4.5	0.21	4	3.5
STD DS7	Standard	10	153	0.97	365	0.093	42	0.86	0.073	0.41	4.0	0.20	2.0	4.3	0.22	4	3.1
STD DS7 Expected		13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



ACME ANALYTICAL LABORATORIES LTD.  
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**Client:** Happy Creek Minerals Ltd.

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Submitted By: David Blann  
 Receiving Lab: Canada-Vancouver  
 Received: October 07, 2008  
 Report Date: October 29, 2008  
 Page: 1 of 14

# CERTIFICATE OF ANALYSIS

VAN08010131.1

## CLIENT JOB INFORMATION

Project: FOX  
 Shipment ID:  
 P.O. Number  
 Number of Samples: 381

## SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
 DISP-RJT Dispose of Reject After 90 days

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

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
SS80	380	Dry at 60C sieve 100g to -80 mesh		
Dry at 60C	380	Dry at 60C		
RJSV	380	Save all or part of soil reject fraction		
RJSV	380	Saving all or part of Soil Reject		
1DX	380	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
DIS-RJT	380	Warehouse handling / Disposition of reject		

## ADDITIONAL COMMENTS

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

CC: Bob Lane  
 D. Ridley  
 Mark Ralph



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
 All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
 "\*\*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Happy Creek Minerals Ltd.**

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Project: FOX

Report Date: October 29, 2008

Page: 2 of 14 Part 1

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L108N 3050E	Soil	9.0	20.9	13.3	77	0.3	19.7	16.7	1035	3.15	5.0	6.1	<0.5	1.3	13	0.3	0.3	1.2	43	0.14	0.031		
L108N 3100E	Soil	4.9	12.7	14.6	124	0.1	16.4	11.5	560	2.89	4.6	3.0	<0.5	1.1	9	0.3	0.3	1.3	40	0.09	0.028		
L108N 3150E	Soil	5.4	23.7	15.9	112	0.2	24.8	15.2	603	3.47	5.8	8.5	<0.5	1.5	19	0.4	0.3	1.8	45	0.27	0.030		
L108N 3200E	Soil	2.4	22.1	10.5	69	0.2	26.0	12.3	360	3.49	5.1	7.3	0.7	1.9	12	0.2	0.4	1.1	46	0.14	0.021		
L106N 1200E	Soil	3.7	10.3	12.2	51	0.1	8.5	5.3	339	2.42	8.5	1.0	<0.5	0.4	6	0.2	0.3	1.6	39	0.05	0.032		
L106N 1250E	Soil	1.8	11.5	12.1	23	<0.1	7.7	3.1	121	2.56	3.2	1.0	<0.5	0.4	5	0.4	0.3	2.0	42	0.02	0.026		
L106N 1300E	Soil	8.2	21.8	14.9	52	0.3	13.7	6.6	324	2.55	3.9	4.4	<0.5	0.3	4	0.4	0.4	2.4	35	0.03	0.047		
L106N 1350E	Soil	8.1	35.2	16.4	74	0.1	26.4	10.4	258	4.04	5.0	3.7	<0.5	0.9	5	0.4	0.4	2.6	54	0.03	0.029		
L106N 1400E	Soil	3.6	14.1	11.0	37	<0.1	12.8	4.9	158	3.25	3.7	2.3	<0.5	0.8	3	0.1	0.2	1.7	44	0.02	0.028		
L106N 1450E	Soil	2.3	14.2	11.7	32	<0.1	9.9	4.0	223	2.49	3.3	2.0	<0.5	0.5	3	0.2	0.3	1.7	34	0.02	0.035		
L106N 1500E	Soil	4.5	11.8	11.4	26	0.2	8.0	3.4	135	2.34	3.3	1.5	<0.5	0.3	5	0.2	0.3	1.9	34	0.03	0.036		
L106N 1550E	Soil	6.7	19.6	14.8	59	<0.1	17.7	9.0	341	3.41	3.9	3.5	0.6	0.8	5	0.3	0.4	3.2	43	0.03	0.030		
L106N 1600E	Soil	3.1	19.1	10.1	52	0.1	18.6	7.8	200	3.30	5.3	3.2	<0.5	1.0	4	0.2	0.5	2.2	42	0.02	0.026		
L106N 1650E	Soil	6.4	14.1	17.9	31	0.2	8.5	3.8	99	2.23	2.9	3.7	0.6	1.3	4	0.2	0.3	6.2	32	0.02	0.018		
L106N 1700E	Soil	4.3	11.2	11.0	26	0.2	7.1	3.1	92	2.61	3.3	2.0	0.5	0.8	3	0.3	0.3	2.4	37	0.02	0.026		
L106N 1750E	Soil	8.1	15.5	11.5	36	0.3	12.1	5.4	151	2.48	3.3	4.5	<0.5	0.6	5	0.4	0.3	2.1	32	0.04	0.028		
L106N 1800E	Soil	2.2	26.2	10.2	49	0.1	21.6	9.6	261	2.97	2.5	3.0	0.6	1.2	4	0.2	0.2	1.3	37	0.02	0.020		
L106N 1850E	Soil	2.9	10.8	9.9	25	0.2	8.9	3.1	100	3.45	5.0	1.0	1.2	1.4	5	0.4	0.3	1.6	51	0.03	0.030		
L106N 1900E	Soil	5.5	16.3	12.3	57	0.2	15.9	12.0	308	3.14	14.1	3.7	6.5	1.6	5	0.3	0.2	1.7	35	0.05	0.031		
L106N 1950E	Soil	1.6	15.1	9.1	41	0.2	17.6	6.5	192	2.95	4.0	1.6	2.2	1.4	4	0.3	0.2	1.7	36	0.02	0.027		
L106N 2000E	Soil	2.3	11.8	11.0	35	0.2	11.7	4.3	178	3.22	3.7	1.6	<0.5	1.8	5	0.3	0.2	1.4	46	0.04	0.031		
L106N 2050E	Soil	4.0	20.6	8.2	62	<0.1	24.3	10.9	302	3.62	6.7	4.7	<0.5	2.1	7	0.3	0.3	1.2	42	0.04	0.030		
L106N 2100E	Soil	3.5	22.1	12.5	33	0.1	11.6	6.5	157	2.33	3.2	8.1	0.9	0.5	6	0.5	0.2	1.2	28	0.04	0.043		
L106N 2150E	Soil	2.8	9.2	13.9	39	<0.1	8.3	4.2	270	2.52	2.3	0.8	<0.5	2.0	4	0.2	0.2	0.9	55	0.02	0.023		
L106N 2200E	Soil	2.4	16.7	11.1	51	0.2	17.0	5.7	303	3.59	4.0	1.1	<0.5	0.8	7	0.2	0.2	1.4	45	0.04	0.039		
L106N 2250E	Soil	3.1	29.4	19.5	44	0.3	12.7	17.2	582	2.33	17.8	3.8	<0.5	0.4	6	0.5	0.2	1.2	34	0.05	0.042		
L106N 2300E	Soil	3.0	21.7	15.9	34	0.2	10.2	6.8	416	3.45	2.0	1.7	2.3	0.4	7	0.5	0.3	1.5	44	0.05	0.052		
L106N 2350E	Soil	1.8	22.9	9.6	71	0.3	27.4	14.1	334	2.78	7.0	2.8	1.3	2.5	7	0.3	0.5	2.6	37	0.10	0.051		
L106N 2400E	Soil	1.3	14.8	9.7	65	<0.1	32.9	14.8	212	2.38	1.1	1.3	1.4	1.7	7	<0.1	0.1	2.1	47	0.08	0.016		
L106N 2450E	Soil	7.1	18.2	21.3	26	0.2	9.1	3.3	92	3.56	3.6	2.7	<0.5	2.4	8	0.4	0.5	2.0	64	0.08	0.021		

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



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Suite 2300 - 1066 W. Hastings St.  
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Project: FOX

Report Date: October 29, 2008

Page: 2 of 14 Part 2

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L108N 3050E	Soil	14	36	0.56	92	0.136	<20	2.40	0.008	0.23	2.6	0.04	2.4	0.3	<0.05	8	<0.5
L108N 3100E	Soil	9	26	0.37	82	0.132	<20	1.98	0.007	0.14	2.0	0.03	1.8	0.2	<0.05	8	<0.5
L108N 3150E	Soil	19	39	0.56	91	0.150	<20	2.80	0.007	0.20	2.9	0.04	2.8	0.2	<0.05	9	0.6
L108N 3200E	Soil	19	46	0.77	106	0.187	<20	2.60	0.009	0.45	2.4	0.03	3.5	0.4	<0.05	8	0.5
L106N 1200E	Soil	6	15	0.15	56	0.080	<20	0.88	0.004	0.07	2.8	0.03	0.8	<0.1	<0.05	8	<0.5
L106N 1250E	Soil	7	15	0.09	42	0.098	<20	0.98	0.003	0.06	4.3	0.04	0.6	0.1	<0.05	10	<0.5
L106N 1300E	Soil	8	23	0.29	61	0.079	<20	1.93	0.007	0.21	3.9	0.06	1.0	0.2	<0.05	8	<0.5
L106N 1350E	Soil	11	43	0.61	98	0.154	<20	2.95	0.009	0.39	6.4	0.04	2.7	0.3	<0.05	11	<0.5
L106N 1400E	Soil	7	25	0.29	38	0.111	<20	1.69	0.005	0.14	4.0	0.05	1.4	0.1	<0.05	10	<0.5
L106N 1450E	Soil	7	19	0.19	44	0.085	<20	1.72	0.005	0.14	3.5	0.07	1.0	0.2	<0.05	8	0.7
L106N 1500E	Soil	6	14	0.14	38	0.085	<20	1.19	0.004	0.09	3.5	0.07	0.6	0.1	0.06	8	<0.5
L106N 1550E	Soil	8	30	0.45	66	0.139	<20	2.02	0.006	0.26	5.8	0.03	1.8	0.3	<0.05	10	<0.5
L106N 1600E	Soil	8	32	0.47	62	0.128	<20	2.27	0.006	0.27	5.7	0.05	2.3	0.3	<0.05	9	<0.5
L106N 1650E	Soil	5	15	0.17	30	0.089	<20	1.33	0.005	0.06	3.9	0.06	1.3	<0.1	<0.05	8	<0.5
L106N 1700E	Soil	6	14	0.12	29	0.098	<20	1.23	0.005	0.07	4.6	0.04	0.9	0.1	0.07	9	0.5
L106N 1750E	Soil	10	21	0.26	52	0.094	<20	1.63	0.007	0.17	5.5	0.05	1.4	0.2	0.05	7	<0.5
L106N 1800E	Soil	11	35	0.56	93	0.130	<20	2.34	0.007	0.44	3.5	0.02	2.3	0.3	<0.05	8	0.6
L106N 1850E	Soil	8	18	0.16	46	0.137	<20	1.30	0.004	0.14	2.7	0.04	1.0	0.1	<0.05	11	<0.5
L106N 1900E	Soil	10	28	0.31	59	0.109	<20	2.42	0.006	0.17	5.6	0.05	1.9	0.1	<0.05	8	0.7
L106N 1950E	Soil	10	30	0.43	80	0.126	<20	2.32	0.007	0.35	2.2	0.05	2.1	0.3	<0.05	8	<0.5
L106N 2000E	Soil	10	21	0.26	57	0.140	<20	1.82	0.006	0.20	2.8	0.03	1.5	0.2	<0.05	10	<0.5
L106N 2050E	Soil	14	40	0.66	110	0.153	<20	2.36	0.009	0.50	4.0	0.04	2.8	0.3	<0.05	8	0.6
L106N 2100E	Soil	11	22	0.22	43	0.070	<20	2.13	0.007	0.13	2.8	0.07	1.3	0.2	0.07	7	0.5
L106N 2150E	Soil	7	17	0.13	39	0.161	<20	0.89	0.007	0.11	1.7	0.02	1.0	0.1	<0.05	10	<0.5
L106N 2200E	Soil	7	31	0.32	97	0.128	<20	1.67	0.006	0.25	5.5	0.05	1.4	0.2	<0.05	10	0.6
L106N 2250E	Soil	11	22	0.23	50	0.085	<20	2.41	0.008	0.13	2.3	0.06	1.3	0.2	0.06	8	0.8
L106N 2300E	Soil	8	21	0.18	55	0.100	<20	1.82	0.006	0.12	1.5	0.07	1.0	0.1	0.08	10	0.5
L106N 2350E	Soil	13	35	0.51	108	0.125	<20	2.32	0.011	0.50	2.4	0.03	2.6	0.3	<0.05	6	0.5
L106N 2400E	Soil	13	47	0.82	137	0.192	<20	2.65	0.011	0.52	0.7	<0.01	3.0	0.4	<0.05	10	<0.5
L106N 2450E	Soil	10	23	0.20	63	0.157	<20	2.09	0.006	0.11	1.3	0.03	1.7	0.1	<0.05	13	0.5

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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L106N 2500E	Soil			3.4	4.6	12.5	27	<0.1	37.5	7.6	88	2.00	2.4	0.6	<0.5	1.6	7	<0.1	0.1	1.1	50	0.13	0.017
L106N 2550E	Soil			4.2	14.6	12.9	32	0.1	7.8	2.9	119	2.37	2.6	1.1	<0.5	1.1	6	0.3	0.2	2.3	57	0.04	0.037
L106N 2600E	Soil			2.5	110.9	11.8	183	0.8	52.5	19.6	1056	3.73	17.8	35.5	0.7	1.4	42	1.8	0.4	1.8	49	0.56	0.066
L106N 2650E	Soil			2.6	13.9	11.9	82	0.2	18.9	7.4	269	3.21	6.3	2.3	2.1	2.4	6	0.2	0.2	2.2	39	0.06	0.027
L106N 2700E	Soil			2.8	10.7	19.2	35	0.3	7.8	3.6	120	2.98	4.2	3.3	0.6	1.4	10	0.2	0.3	3.0	40	0.14	0.032
L106N 2750E	Soil			3.4	14.2	16.0	61	0.2	15.3	5.8	166	3.13	4.3	4.2	<0.5	1.0	8	0.1	0.2	2.8	38	0.08	0.039
L106N 2800E	Soil			2.5	18.2	9.7	63	<0.1	23.2	9.3	321	4.25	4.4	1.9	<0.5	2.4	5	0.5	0.4	1.4	53	0.03	0.032
L106N 2850E	Soil			5.5	18.0	21.6	55	0.6	17.6	6.9	181	3.27	21.4	5.7	<0.5	2.3	5	0.2	0.4	2.8	35	0.04	0.025
L106N 2900E	Soil			5.1	11.7	14.3	52	0.5	13.2	5.8	170	3.41	4.7	4.9	1.5	2.3	7	0.3	0.4	2.2	38	0.07	0.026
L106N 2950E	Soil			3.7	12.3	12.9	72	0.1	14.4	7.1	451	2.86	3.6	1.7	2.1	2.4	6	0.3	0.3	2.2	39	0.04	0.028
L106N 3000E	Soil			2.9	12.3	10.5	57	0.1	16.2	6.6	191	2.64	6.4	6.0	1.7	2.3	6	0.1	0.5	1.2	34	0.06	0.022
L106N 3050E	Soil			2.3	13.5	8.9	53	0.1	16.4	6.5	185	2.95	4.2	3.4	1.1	2.6	4	0.2	0.3	1.2	37	0.02	0.023
L106N 3100E	Soil			3.9	18.5	15.4	103	0.4	18.0	14.1	712	2.59	12.0	11.0	<0.5	1.1	10	0.5	0.2	2.0	34	0.11	0.033
L106N 3150E	Soil			3.2	18.4	12.0	106	0.2	24.2	9.5	390	3.24	10.9	4.4	<0.5	2.4	8	0.3	0.5	1.7	36	0.09	0.024
L106N 3200E	Soil			3.7	17.3	16.1	114	0.4	21.0	12.0	344	2.75	19.0	14.9	1.8	2.3	17	0.4	0.4	1.9	32	0.23	0.046
L104N 0200E	Soil			5.0	25.6	16.4	70	0.2	23.5	34.2	863	3.46	4.5	2.8	<0.5	1.6	15	0.7	0.3	2.1	42	0.11	0.046
L104N 0250E	Soil			1.8	9.1	12.8	42	0.3	9.4	3.7	147	2.33	2.5	0.8	<0.5	1.5	7	0.3	0.3	1.4	46	0.04	0.030
L104N 0300E	Soil			1.3	11.7	10.1	19	0.2	5.7	3.3	137	0.81	0.6	1.9	1.0	<0.1	6	0.5	<0.1	0.7	17	0.05	0.031
L104N 0350E	Soil			3.5	27.9	11.7	25	0.5	10.0	6.4	186	2.30	1.9	4.4	<0.5	0.1	7	0.5	0.1	1.5	27	0.06	0.090
L104N 0400E	Soil			3.6	60.7	29.1	46	0.3	16.1	6.3	107	2.30	2.1	3.4	4.1	0.3	5	0.4	0.2	2.1	25	0.06	0.045
L104N 0450E	Soil			16.2	36.3	12.1	45	0.4	16.7	6.1	151	3.01	1.9	3.8	<0.5	0.9	7	0.3	0.2	0.7	38	0.06	0.066
L104N 0500E	Soil			1.4	21.5	9.3	39	0.1	14.4	6.5	131	2.22	3.5	1.7	2.3	1.1	4	0.1	1.2	1.7	27	0.03	0.023
L104N 0550E	Soil			2.6	22.2	8.6	51	<0.1	23.0	7.6	170	2.75	3.2	2.2	<0.5	1.1	3	<0.1	0.2	1.8	34	0.03	0.019
L104N 0600E	Soil			2.8	10.0	9.8	20	<0.1	7.8	3.0	71	1.67	2.3	1.1	<0.5	0.3	4	<0.1	0.2	1.2	36	0.04	0.021
L104N 0650E	Soil			1.5	10.3	7.3	27	0.2	8.2	2.9	98	2.04	3.1	0.7	<0.5	0.4	5	0.2	0.3	1.7	38	0.05	0.028
L104N 0700E	Soil			5.3	15.9	13.5	56	0.5	16.2	6.6	176	2.26	2.9	3.6	<0.5	0.3	4	0.3	0.2	2.1	34	0.03	0.030
L104N 0750E	Soil			3.7	14.4	12.1	49	0.2	12.7	3.9	107	2.18	6.1	1.7	<0.5	0.5	3	0.3	0.7	3.5	33	0.02	0.030
L104N 0800E	Soil			2.4	13.6	9.8	40	0.3	12.3	4.1	146	2.49	3.5	1.9	<0.5	0.3	4	0.3	0.3	1.9	34	0.02	0.037
L104N 0850E	Soil			2.7	20.4	12.2	114	0.2	29.1	10.5	373	2.82	19.1	5.8	<0.5	0.6	17	0.4	0.5	2.6	36	0.22	0.035
L104N 0900E	Soil			2.5	9.9	10.2	25	0.1	7.1	3.0	214	1.45	6.3	1.3	<0.5	0.2	7	0.2	0.6	2.5	33	0.07	0.020

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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L106N 2500E	Soil	7	51	0.65	44	0.159	<20	1.27	0.012	0.09	0.4	0.02	0.8	<0.1	<0.05	10	<0.5
L106N 2550E	Soil	8	15	0.10	49	0.128	<20	0.71	0.005	0.11	2.5	0.02	0.8	<0.1	<0.05	8	<0.5
L106N 2600E	Soil	29	66	0.70	198	0.138	<20	3.49	0.012	0.53	2.9	0.09	4.6	0.4	0.06	10	1.5
L106N 2650E	Soil	10	36	0.48	75	0.153	<20	2.33	0.005	0.26	3.8	0.06	2.3	0.2	<0.05	8	<0.5
L106N 2700E	Soil	10	18	0.15	34	0.114	<20	1.80	0.006	0.07	2.0	0.04	1.1	0.1	<0.05	12	<0.5
L106N 2750E	Soil	10	28	0.43	68	0.126	<20	1.99	0.006	0.20	1.6	0.03	1.7	0.2	0.06	11	0.5
L106N 2800E	Soil	10	41	0.67	103	0.184	<20	2.56	0.009	0.59	2.5	0.04	3.0	0.3	<0.05	12	<0.5
L106N 2850E	Soil	15	29	0.43	71	0.113	<20	2.83	0.008	0.29	3.2	0.07	2.2	0.2	<0.05	8	0.6
L106N 2900E	Soil	12	24	0.30	47	0.104	<20	1.97	0.005	0.17	3.7	0.05	1.8	0.2	<0.05	10	0.8
L106N 2950E	Soil	9	25	0.32	53	0.117	<20	1.63	0.005	0.13	3.0	0.04	1.7	0.2	<0.05	9	<0.5
L106N 3000E	Soil	14	27	0.45	55	0.116	<20	2.08	0.008	0.21	3.8	0.03	2.1	0.2	<0.05	8	0.8
L106N 3050E	Soil	14	28	0.42	56	0.129	<20	2.11	0.006	0.23	4.6	0.04	2.1	0.2	<0.05	9	0.7
L106N 3100E	Soil	14	28	0.40	82	0.100	<20	2.15	0.011	0.19	1.4	0.05	1.9	0.2	<0.05	7	0.6
L106N 3150E	Soil	12	36	0.62	90	0.139	<20	2.49	0.006	0.29	2.3	0.02	2.7	0.2	<0.05	8	0.7
L106N 3200E	Soil	19	28	0.35	95	0.102	<20	3.77	0.008	0.19	3.7	0.07	2.3	0.2	0.07	7	1.2
L104N 0200E	Soil	11	26	0.33	102	0.113	<20	2.34	0.007	0.25	2.1	0.07	2.2	0.2	0.08	8	0.7
L104N 0250E	Soil	7	17	0.17	59	0.122	<20	1.15	0.005	0.15	1.3	0.03	1.0	0.1	<0.05	9	0.6
L104N 0300E	Soil	5	7	0.07	46	0.032	<20	0.61	0.006	0.06	0.5	0.02	0.4	<0.1	<0.05	3	<0.5
L104N 0350E	Soil	10	18	0.15	37	0.028	<20	1.91	0.010	0.10	0.8	0.12	0.5	0.1	0.12	6	0.9
L104N 0400E	Soil	8	22	0.25	50	0.087	<20	2.06	0.013	0.14	1.1	0.10	1.1	0.2	0.06	12	1.0
L104N 0450E	Soil	14	29	0.33	50	0.085	<20	2.80	0.011	0.18	0.8	0.16	1.9	0.2	0.13	8	1.4
L104N 0500E	Soil	9	23	0.33	42	0.079	<20	2.01	0.006	0.19	3.2	0.06	1.8	0.2	0.06	6	0.7
L104N 0550E	Soil	9	34	0.51	85	0.118	<20	2.32	0.007	0.35	5.6	0.06	2.4	0.3	<0.05	6	0.8
L104N 0600E	Soil	5	13	0.14	27	0.089	<20	0.75	0.003	0.06	2.0	0.02	0.6	<0.1	<0.05	8	<0.5
L104N 0650E	Soil	5	15	0.10	49	0.088	<20	0.57	0.004	0.07	6.0	0.02	0.6	0.1	<0.05	7	<0.5
L104N 0700E	Soil	9	26	0.35	53	0.082	<20	1.76	0.005	0.14	7.1	0.05	1.1	0.2	<0.05	8	<0.5
L104N 0750E	Soil	7	22	0.25	53	0.091	<20	1.38	0.004	0.14	2.2	0.05	1.1	0.1	<0.05	7	0.6
L104N 0800E	Soil	9	20	0.25	62	0.075	<20	1.66	0.004	0.14	2.2	0.06	0.9	0.1	<0.05	8	<0.5
L104N 0850E	Soil	14	35	0.47	89	0.108	<20	2.00	0.007	0.23	6.2	0.02	1.9	0.2	<0.05	7	<0.5
L104N 0900E	Soil	7	11	0.09	43	0.074	<20	0.62	0.003	0.06	2.0	0.02	0.4	<0.1	<0.05	6	<0.5

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Project:

FOX

Report Date:

October 29, 2008

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Part 1

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L104N 0950E	Soil			0.6	2.5	3.5	7	<0.1	1.2	0.6	24	0.22	<0.5	0.3	<0.5	<0.1	2	<0.1	<0.1	0.4	10	0.02	0.011
L104N 1000E	Soil			2.4	12.4	23.8	11	0.7	3.3	0.8	24	0.74	2.7	3.6	<0.5	<0.1	3	0.2	0.7	5.9	17	0.02	0.053
L104N 1050E	Soil			4.3	8.5	17.5	23	0.5	6.7	2.1	87	2.42	6.2	1.2	<0.5	0.6	3	0.2	115.9	3.0	42	0.03	0.027
L104N 1100E	Soil			3.0	15.1	11.3	79	0.3	17.9	13.7	637	2.40	29.4	4.4	<0.5	0.4	11	0.3	0.4	2.8	34	0.17	0.048
L104N 1150E	Soil			3.0	7.0	13.8	17	0.2	4.2	1.5	85	1.82	2.3	1.1	<0.5	0.4	3	0.1	0.5	3.0	40	0.03	0.025
L104N 1200E	Soil			1.1	6.4	5.8	10	0.2	2.0	0.7	40	0.34	<0.5	1.2	<0.5	<0.1	3	0.1	<0.1	0.7	10	0.05	0.036
L104N 1250E	Soil			2.3	11.2	12.0	42	0.2	10.4	4.5	141	2.79	3.7	1.6	<0.5	2.7	3	0.1	0.3	1.9	41	0.02	0.026
L104N 1300E	Soil			1.8	11.1	9.7	19	0.1	6.4	2.7	87	1.81	2.0	0.8	<0.5	0.2	3	0.2	0.1	1.1	31	0.01	0.020
L104N 1350E	Soil			2.0	11.1	11.0	31	0.2	10.4	4.2	253	3.00	3.2	0.7	<0.5	0.6	4	0.1	0.2	1.8	40	0.02	0.028
L104N 1400E	Soil			2.7	15.4	11.4	35	0.2	12.1	5.7	417	2.54	2.6	1.3	<0.5	0.5	3	0.3	0.2	1.2	34	0.02	0.032
L104N 1450E	Soil			2.1	9.2	11.2	36	<0.1	7.2	3.1	255	1.96	1.3	0.6	<0.5	0.9	9	<0.1	0.2	1.9	49	0.08	0.021
L104N 1500E	Soil			1.8	6.4	11.0	15	<0.1	4.1	1.4	67	1.86	2.1	0.8	<0.5	0.4	2	0.1	0.2	1.3	36	0.01	0.038
L104N 1550E	Soil			1.6	4.7	9.8	9	0.2	2.5	0.8	61	0.72	0.9	0.7	<0.5	0.1	3	<0.1	0.1	1.3	22	0.03	0.033
L104N 1600E	Soil			1.9	11.1	9.6	36	0.2	11.6	4.7	154	3.15	2.9	1.0	0.6	1.0	3	0.1	0.1	1.0	43	0.02	0.025
L104N 1650E	Soil			2.5	11.4	11.1	26	0.2	9.9	3.8	81	3.22	4.0	1.1	<0.5	0.3	3	0.2	0.3	3.7	42	0.02	0.042
L104N 1700E	Soil			2.5	7.8	10.2	19	0.2	5.3	1.9	94	1.71	2.0	0.7	<0.5	0.3	3	<0.1	0.1	1.7	31	0.03	0.024
L104N 1750E	Soil			2.1	9.5	10.5	28	<0.1	10.8	4.1	146	3.02	3.1	0.9	<0.5	1.1	2	0.1	0.2	1.3	50	0.01	0.025
L104N 1800E	Soil			2.4	11.5	10.2	33	0.2	10.1	4.0	146	2.24	2.0	1.5	<0.5	0.3	3	0.2	0.2	1.4	34	0.02	0.035
L104N 1850E	Soil			6.0	11.1	8.3	45	<0.1	13.2	6.5	264	2.48	4.7	2.6	<0.5	0.4	3	0.1	0.2	1.1	34	0.02	0.022
L104N 1900E	Soil			4.5	8.1	9.5	39	0.1	9.0	4.3	308	2.32	3.2	1.3	<0.5	0.4	4	0.2	0.2	1.2	39	0.02	0.026
L104N 1950E	Soil			2.2	10.4	9.1	39	0.1	12.7	4.9	151	2.81	3.4	1.1	<0.5	2.0	3	<0.1	0.2	1.6	42	0.02	0.026
L104N 2000E	Soil			2.8	9.2	9.5	33	<0.1	10.8	4.5	328	2.35	2.6	0.8	<0.5	0.6	3	<0.1	0.1	1.2	44	0.02	0.029
L104N 2050E	Soil			2.9	15.4	11.1	41	0.1	12.8	7.8	414	2.28	2.5	3.0	<0.5	0.3	5	0.2	0.2	1.1	37	0.03	0.036
L104N 2100E	Soil			1.8	15.0	12.1	34	0.2	9.5	5.3	222	1.87	2.3	1.8	<0.5	0.1	4	0.3	0.2	1.2	30	0.03	0.047
L104N 2150E	Soil			2.0	14.3	12.0	34	0.2	10.2	4.1	205	2.95	4.2	0.9	<0.5	0.4	5	0.3	0.2	1.1	50	0.03	0.035
L104N 2200E	Soil			1.7	17.6	11.1	50	0.4	14.3	6.3	362	3.30	2.4	1.0	<0.5	0.5	4	0.2	0.3	1.6	53	0.03	0.034
L104N 2250E	Soil			2.4	12.1	11.1	38	0.2	8.1	3.5	153	2.20	1.8	0.7	<0.5	0.2	4	0.4	0.2	1.0	43	0.02	0.034
L104N 2300E	Soil			2.6	35.8	12.6	97	0.3	24.0	14.9	660	2.62	53.2	7.5	<0.5	0.4	11	0.6	0.2	1.7	32	0.15	0.074
L104N 2350E	Soil			2.1	12.6	11.7	41	0.1	12.5	5.0	274	3.35	2.0	1.0	<0.5	0.5	9	0.3	0.3	0.9	59	0.11	0.038
L104N 2400E	Soil			2.8	23.4	12.2	37	0.2	14.4	7.4	209	2.43	5.2	2.1	<0.5	0.6	6	0.3	0.2	1.5	44	0.07	0.033



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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L104N 0950E	Soil	2	2	<0.01	18	0.010	<20	0.14	0.004	0.02	0.1	<0.01	0.1	<0.1	<0.05	1	<0.5
L104N 1000E	Soil	3	7	0.03	21	0.013	<20	0.99	0.006	0.02	0.8	0.06	0.2	<0.1	<0.05	5	0.6
L104N 1050E	Soil	8	15	0.12	29	0.092	<20	1.03	0.003	0.08	3.1	0.04	0.7	0.1	<0.05	8	<0.5
L104N 1100E	Soil	12	24	0.34	63	0.088	<20	1.84	0.006	0.13	3.5	0.05	1.4	0.2	<0.05	6	<0.5
L104N 1150E	Soil	6	11	0.06	22	0.069	<20	0.82	0.003	0.03	2.4	0.03	0.5	<0.1	<0.05	8	<0.5
L104N 1200E	Soil	3	4	0.01	21	0.011	<20	0.37	0.007	0.03	0.6	0.03	0.2	<0.1	<0.05	2	<0.5
L104N 1250E	Soil	7	28	0.26	44	0.127	<20	2.52	0.004	0.14	6.9	0.08	2.3	0.2	<0.05	8	0.5
L104N 1300E	Soil	6	12	0.10	29	0.083	<20	0.95	0.005	0.08	3.2	0.03	0.5	0.1	<0.05	6	<0.5
L104N 1350E	Soil	5	20	0.20	38	0.127	<20	1.15	0.004	0.13	4.2	0.03	1.0	0.1	<0.05	8	<0.5
L104N 1400E	Soil	6	22	0.28	53	0.105	<20	1.27	0.004	0.18	3.3	0.05	1.2	0.2	<0.05	7	0.6
L104N 1450E	Soil	5	16	0.17	68	0.130	<20	0.59	0.005	0.16	1.4	0.02	1.1	0.1	<0.05	8	<0.5
L104N 1500E	Soil	7	11	0.09	20	0.091	<20	0.76	0.003	0.07	2.4	0.04	0.5	<0.1	<0.05	8	<0.5
L104N 1550E	Soil	6	5	0.03	16	0.057	<20	0.33	0.004	0.03	2.7	0.02	0.2	<0.1	<0.05	5	<0.5
L104N 1600E	Soil	9	26	0.30	59	0.138	<20	1.77	0.005	0.22	4.5	0.05	1.7	0.2	<0.05	9	0.6
L104N 1650E	Soil	6	20	0.17	35	0.098	<20	1.40	0.005	0.11	6.2	0.05	0.9	0.1	<0.05	10	0.8
L104N 1700E	Soil	6	13	0.10	36	0.077	<20	0.77	0.004	0.07	1.9	0.04	0.5	0.1	<0.05	7	<0.5
L104N 1750E	Soil	8	24	0.26	46	0.146	<20	1.52	0.004	0.17	1.9	0.03	1.5	0.2	<0.05	10	<0.5
L104N 1800E	Soil	8	22	0.25	49	0.091	<20	1.60	0.004	0.16	1.5	0.05	1.0	0.2	<0.05	8	0.5
L104N 1850E	Soil	8	26	0.36	53	0.108	<20	1.53	0.004	0.19	1.9	0.03	1.4	0.2	<0.05	7	<0.5
L104N 1900E	Soil	6	21	0.22	53	0.113	<20	1.28	0.004	0.13	1.9	0.03	0.9	0.2	<0.05	8	<0.5
L104N 1950E	Soil	9	27	0.30	49	0.133	<20	1.38	0.005	0.17	1.5	0.03	1.8	0.2	<0.05	8	<0.5
L104N 2000E	Soil	7	20	0.24	43	0.123	<20	1.11	0.006	0.14	4.9	0.02	1.2	0.2	<0.05	9	0.5
L104N 2050E	Soil	10	25	0.30	63	0.104	<20	1.53	0.005	0.20	1.5	0.03	1.2	0.2	<0.05	7	<0.5
L104N 2100E	Soil	7	19	0.20	46	0.065	<20	1.33	0.005	0.14	2.5	0.04	0.6	0.1	<0.05	6	0.7
L104N 2150E	Soil	7	22	0.20	49	0.147	<20	1.19	0.005	0.16	1.6	0.04	1.2	0.2	<0.05	8	<0.5
L104N 2200E	Soil	7	32	0.32	65	0.133	<20	1.70	0.005	0.21	1.6	0.04	1.5	0.2	<0.05	9	0.6
L104N 2250E	Soil	5	16	0.16	40	0.111	<20	0.93	0.004	0.13	1.6	0.03	0.9	0.1	<0.05	7	<0.5
L104N 2300E	Soil	15	34	0.36	75	0.071	<20	3.23	0.005	0.17	2.3	0.06	1.5	0.3	0.07	7	1.0
L104N 2350E	Soil	7	29	0.25	73	0.149	<20	1.11	0.006	0.18	0.7	0.03	1.3	0.2	<0.05	10	<0.5
L104N 2400E	Soil	10	27	0.27	59	0.126	<20	1.65	0.007	0.15	1.4	0.04	1.6	0.2	<0.05	7	0.7

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Part 1

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L104N 2450E	Soil			3.8	18.2	16.4	36	0.2	11.0	6.0	174	2.65	5.5	1.3	<0.5	0.7	5	0.2	0.2	1.3	47	0.05	0.030
L104N 2500E	Soil			6.4	34.2	11.9	74	<0.1	30.5	20.5	572	3.74	19.8	6.5	<0.5	0.9	11	0.2	0.2	1.6	46	0.16	0.036
L104N 2550E	Soil			1.9	11.5	12.1	35	<0.1	11.2	4.5	262	3.02	1.4	0.6	<0.5	0.7	5	<0.1	0.2	0.8	59	0.03	0.026
L104N 2600E	Soil			2.0	12.6	14.0	27	0.1	8.6	3.2	81	2.41	2.5	1.0	<0.5	0.8	6	0.2	0.2	0.9	47	0.03	0.023
L104N 2650E	Soil			2.6	10.4	12.4	18	0.1	5.0	1.9	59	2.42	2.0	1.7	0.9	0.3	3	0.2	0.2	0.7	28	0.03	0.041
L104N 2700E	Soil			3.4	18.0	12.8	71	0.1	22.3	9.8	181	3.89	3.9	2.5	<0.5	1.0	14	0.3	0.2	1.6	51	0.23	0.033
L104N 2750E	Soil			3.2	19.7	13.5	89	0.2	21.4	9.7	198	3.21	11.9	4.5	<0.5	2.0	8	0.4	0.2	3.0	41	0.06	0.020
L104N 2800E	Soil			2.5	16.2	11.5	63	0.1	19.0	9.2	282	3.25	3.2	3.5	<0.5	0.8	5	0.2	0.2	1.3	41	0.04	0.036
L104N 2850E	Soil			1.5	21.0	9.5	45	<0.1	25.3	7.2	162	2.68	6.7	2.3	0.6	3.1	3	0.2	0.4	1.7	31	0.03	0.026
L104N 2900E	Soil			5.0	12.1	14.2	55	<0.1	12.1	7.0	290	2.61	5.2	2.8	<0.5	0.5	6	0.4	0.2	3.0	40	0.07	0.027
L104N 2950E	Soil			5.6	13.5	19.4	68	0.4	14.7	10.1	523	2.83	5.1	5.3	<0.5	1.0	7	0.6	0.3	5.8	40	0.07	0.027
L104N 3000E	Soil			3.5	10.0	14.7	54	0.1	9.8	10.8	397	1.86	3.2	5.7	<0.5	0.7	5	0.3	0.2	1.3	30	0.05	0.024
L104N 3050E	Soil			2.9	15.8	11.3	64	0.2	15.4	10.0	327	2.27	3.5	5.8	0.9	0.7	9	0.4	0.2	2.2	30	0.10	0.029
L104N 3100E	Soil			3.9	18.3	13.2	74	0.1	20.2	14.3	578	2.52	4.3	6.4	<0.5	0.8	17	0.3	0.2	2.9	34	0.22	0.037
L104N 3150E	Soil			3.8	12.9	17.9	50	0.3	11.2	5.3	199	2.69	3.1	4.6	<0.5	1.0	4	0.4	0.2	1.6	37	0.03	0.028
L104N 3200E	Soil			2.1	10.0	13.1	47	0.1	11.3	4.6	163	3.60	3.5	1.6	<0.5	1.5	4	0.2	0.4	1.2	53	0.03	0.035
L102N 0200E	Soil			1.8	11.7	9.9	48	<0.1	21.9	6.2	135	2.73	3.1	1.2	<0.5	3.2	9	0.1	0.3	1.9	33	0.08	0.046
L102N 0250E	Soil			1.5	7.8	7.3	29	0.1	9.9	9.3	213	1.36	1.6	1.0	<0.5	1.3	5	0.2	0.1	0.8	24	0.03	0.019
L102N 0300E	Soil			1.1	11.9	8.4	44	<0.1	14.6	5.9	156	2.07	3.1	1.1	<0.5	2.7	3	0.2	0.2	1.3	28	0.03	0.044
L102N 0350E	Soil			1.4	10.4	10.1	33	0.2	11.2	5.1	90	1.99	3.2	1.5	<0.5	2.0	6	0.3	0.4	1.4	27	0.04	0.036
L102N 0400E	Soil			2.3	8.0	9.3	32	0.2	7.5	3.4	78	1.57	4.1	3.6	<0.5	0.7	5	0.4	0.2	0.9	29	0.04	0.019
L102N 0450E	Soil			2.4	8.3	11.5	46	0.2	12.2	4.4	92	2.66	1.9	1.8	<0.5	1.4	7	0.3	0.2	1.7	38	0.07	0.035
L102N 0500E	Soil			2.5	12.2	13.0	66	0.1	17.7	7.2	132	3.14	2.7	5.7	<0.5	3.0	3	0.4	0.3	2.4	39	0.02	0.028
L102N 0550E	Soil			6.2	13.8	15.4	250	0.2	17.2	6.3	166	3.17	3.8	2.6	<0.5	1.7	4	0.5	0.5	5.9	53	0.03	0.040
L102N 0600E	Soil			9.9	36.4	16.2	111	0.3	9.5	6.4	435	1.97	1.4	20.2	<0.5	0.2	4	1.8	0.2	4.5	26	0.03	0.045
L102N 0650E	Soil			3.8	14.6	16.9	26	0.3	3.3	3.5	123	1.68	0.9	7.6	<0.5	0.2	2	0.6	0.1	3.0	26	0.03	0.027
L102N 0700E	Soil			8.1	13.2	21.4	57	0.3	4.0	2.4	172	4.05	21.2	8.1	<0.5	0.5	5	1.0	1.5	5.0	28	0.05	0.052
L102N 0750E	Soil			6.3	4.2	13.6	18	0.1	3.8	1.7	102	1.14	3.8	1.0	<0.5	0.8	3	0.3	0.7	5.4	40	0.03	0.018
L102N 0800E	Soil			3.5	18.6	21.0	37	0.4	6.6	2.8	156	3.03	5.1	10.8	<0.5	0.4	3	0.8	1.1	8.3	34	0.02	0.032
L102N 0850E	Soil			1.9	14.9	9.8	31	0.6	11.6	4.0	92	1.62	5.9	5.4	<0.5	0.3	4	0.3	0.7	1.4	26	0.04	0.029

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L104N 2450E	Soil	7	23	0.20	39	0.132	<20	1.43	0.006	0.10	3.0	0.05	1.3	0.1	<0.05	9	0.6
L104N 2500E	Soil	26	46	0.45	65	0.120	<20	3.07	0.006	0.15	2.3	0.06	2.7	0.2	<0.05	8	1.1
L104N 2550E	Soil	5	23	0.20	53	0.157	<20	0.99	0.004	0.09	0.7	0.04	1.2	0.1	<0.05	9	<0.5
L104N 2600E	Soil	7	19	0.11	40	0.124	<20	1.35	0.004	0.07	1.0	0.05	1.0	<0.1	<0.05	9	0.6
L104N 2650E	Soil	6	16	0.07	25	0.056	<20	1.60	0.004	0.05	1.1	0.08	0.8	<0.1	<0.05	7	0.7
L104N 2700E	Soil	7	33	0.38	76	0.163	<20	2.13	0.005	0.19	2.5	0.04	2.0	0.2	<0.05	10	<0.5
L104N 2750E	Soil	9	34	0.36	84	0.141	<20	2.45	0.005	0.17	7.6	0.05	2.4	0.2	<0.05	8	<0.5
L104N 2800E	Soil	10	36	0.50	67	0.137	<20	2.18	0.008	0.25	4.8	0.06	2.0	0.2	<0.05	9	0.5
L104N 2850E	Soil	12	30	0.36	64	0.105	<20	2.29	0.006	0.27	6.9	0.06	2.4	0.2	<0.05	6	<0.5
L104N 2900E	Soil	8	21	0.26	45	0.094	<20	1.35	0.004	0.09	3.3	0.02	1.2	0.1	<0.05	8	<0.5
L104N 2950E	Soil	10	24	0.28	73	0.124	<20	1.75	0.005	0.16	3.0	0.04	1.5	0.2	<0.05	9	<0.5
L104N 3000E	Soil	8	17	0.21	51	0.086	<20	1.88	0.007	0.10	1.5	0.03	1.3	0.1	<0.05	5	<0.5
L104N 3050E	Soil	12	26	0.31	67	0.092	<20	2.04	0.006	0.13	3.2	0.05	1.7	0.2	<0.05	6	<0.5
L104N 3100E	Soil	13	30	0.39	78	0.100	<20	2.19	0.006	0.18	5.4	0.05	1.9	0.2	<0.05	6	<0.5
L104N 3150E	Soil	8	22	0.21	44	0.119	<20	1.61	0.004	0.11	4.3	0.05	1.3	0.1	<0.05	8	0.6
L104N 3200E	Soil	8	26	0.24	40	0.146	<20	1.63	0.003	0.11	2.5	0.05	1.6	0.2	<0.05	10	0.6
L102N 0200E	Soil	9	27	0.32	91	0.104	<20	2.25	0.007	0.17	2.9	0.03	2.4	0.2	<0.05	6	<0.5
L102N 0250E	Soil	9	14	0.18	42	0.077	<20	0.87	0.006	0.10	0.8	0.02	1.1	<0.1	<0.05	4	<0.5
L102N 0300E	Soil	9	22	0.29	69	0.094	<20	1.55	0.006	0.21	1.5	0.02	2.0	0.2	<0.05	6	<0.5
L102N 0350E	Soil	9	19	0.21	50	0.083	<20	1.60	0.007	0.13	3.2	0.06	1.7	0.1	<0.05	5	<0.5
L102N 0400E	Soil	8	12	0.15	39	0.089	<20	0.87	0.007	0.08	1.1	0.02	1.0	<0.1	<0.05	5	<0.5
L102N 0450E	Soil	6	23	0.27	61	0.126	<20	1.32	0.004	0.16	1.9	0.04	1.5	0.1	<0.05	7	0.5
L102N 0500E	Soil	8	30	0.38	59	0.135	<20	2.28	0.005	0.22	3.3	0.04	2.4	0.2	<0.05	8	<0.5
L102N 0550E	Soil	6	27	0.40	50	0.156	<20	1.72	0.004	0.15	6.8	0.04	2.0	0.2	<0.05	11	<0.5
L102N 0600E	Soil	8	18	0.15	46	0.050	<20	1.84	0.005	0.07	4.2	0.07	0.7	0.1	<0.05	7	<0.5
L102N 0650E	Soil	3	9	0.06	12	0.042	<20	1.20	0.008	0.01	1.3	0.06	0.4	<0.1	<0.05	7	0.7
L102N 0700E	Soil	10	19	0.07	33	0.019	<20	2.70	0.005	0.04	1.7	0.11	0.8	0.1	<0.05	11	1.2
L102N 0750E	Soil	7	11	0.09	28	0.103	<20	0.47	0.003	0.07	8.8	0.01	0.6	<0.1	<0.05	8	<0.5
L102N 0800E	Soil	6	14	0.12	32	0.064	<20	1.52	0.005	0.07	4.9	0.07	0.8	0.2	<0.05	10	0.6
L102N 0850E	Soil	13	20	0.21	41	0.064	<20	1.41	0.006	0.12	3.7	0.05	1.1	0.2	<0.05	5	<0.5

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Project: FOX

Report Date: October 29, 2008

Page: 6 of 14 Part 1

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L102N 0900E	Soil	2.4	7.3	15.1	25	0.2	5.5	2.1	113	1.92	3.6	1.7	<0.5	0.3	3	0.4	2.3	3.8	36	0.02	0.035		
L102N 0950E	Soil	3.0	10.2	15.0	36	0.2	7.1	2.7	94	1.67	3.3	1.7	<0.5	0.3	2	0.7	0.8	5.2	26	0.01	0.029		
L102N 1000E	Soil	4.4	19.3	12.5	42	0.3	10.8	28.9	946	2.17	4.9	3.2	<0.5	0.2	4	0.9	0.3	3.2	27	0.03	0.037		
L102N 1050E	Soil	2.3	13.4	11.1	47	0.4	25.6	11.0	347	3.73	3.3	1.1	<0.5	0.6	18	0.3	0.3	1.2	83	0.12	0.060		
L102N 1100E	Soil	4.1	16.0	14.9	56	0.4	15.0	5.7	281	3.14	3.7	2.3	2.7	0.8	6	0.5	1.1	2.5	44	0.03	0.036		
L102N 1150E	Soil	3.5	5.7	5.0	14	0.1	2.5	1.1	45	0.81	1.6	1.0	<0.5	0.4	3	<0.1	1.3	3.3	25	0.02	0.018		
L102N 1200E	Soil	1.5	3.1	3.1	8	<0.1	1.0	0.5	132	0.25	<0.5	0.8	3.9	0.2	2	<0.1	0.3	0.5	7	<0.01	0.007		
L102N 1250E	Soil	2.7	6.1	10.3	16	<0.1	4.1	1.6	81	1.76	1.9	1.0	1.4	0.3	3	0.2	0.4	2.3	24	0.01	0.027		
L102N 1300E	Soil	2.5	8.1	10.5	30	0.2	7.3	3.0	164	2.76	2.8	1.5	<0.5	1.8	4	0.2	0.4	4.2	33	0.03	0.027		
L102N 1350E	Soil	1.1	7.1	8.8	26	<0.1	7.4	3.1	112	1.97	2.3	1.0	<0.5	1.0	3	<0.1	0.3	1.5	24	0.02	0.019		
L102N 1400E	Soil	2.0	11.2	12.5	29	0.2	8.6	3.5	177	2.37	2.7	2.3	0.6	1.1	5	0.2	0.5	1.9	31	0.03	0.023		
L102N 1450E	Soil	1.5	9.9	8.2	38	0.1	9.2	4.8	210	2.11	2.6	1.6	<0.5	1.3	3	0.2	0.3	1.8	27	0.02	0.024		
L102N 1500E	Soil	1.1	17.4	9.5	58	<0.1	25.2	9.5	293	2.94	6.1	2.1	2.5	3.6	8	0.1	0.4	1.8	37	0.07	0.030		
L102N 1550E	Soil	2.2	12.3	8.7	53	0.2	15.3	6.5	203	2.85	3.8	1.5	8.7	2.0	5	0.3	0.3	1.5	39	0.03	0.023		
L102N 1600E	Soil	1.5	14.7	9.4	54	<0.1	18.0	6.8	224	3.38	4.7	1.5	<0.5	3.7	5	0.2	0.3	1.7	39	0.03	0.029		
L102N 1650E	Soil	2.3	13.0	8.3	40	0.2	14.4	5.5	183	3.36	3.9	1.2	1.1	1.2	7	0.2	0.3	1.5	45	0.04	0.027		
L102N 1700E	Soil	2.1	13.6	10.8	52	0.2	15.0	7.5	356	2.82	5.0	4.8	1.2	0.9	8	0.4	0.2	1.6	37	0.05	0.033		
L102N 1750E	Soil	1.5	9.6	8.9	42	<0.1	13.9	9.6	577	2.11	2.8	1.5	<0.5	0.6	11	0.1	0.1	1.2	32	0.08	0.031		
L102N 1800E	Soil	1.5	7.7	9.9	23	0.2	6.8	2.9	104	1.58	1.5	1.6	1.1	0.3	6	0.3	0.1	1.2	25	0.03	0.040		
L102N 1850E	Soil	1.5	15.2	7.2	63	<0.1	23.3	10.8	319	3.41	4.8	1.9	1.1	2.0	5	0.3	0.2	1.4	43	0.03	0.027		
L102N 1900E	Soil	2.1	10.6	10.0	38	0.2	12.2	4.7	178	2.52	2.2	1.2	1.9	0.7	5	0.2	0.1	1.4	37	0.03	0.034		
L102N 1950E	Soil	2.0	14.2	9.1	57	0.3	17.0	6.8	208	3.71	4.2	1.6	1.8	1.5	5	0.2	0.2	1.3	43	0.03	0.045		
L102N 2000E	Soil	5.8	12.7	9.4	53	0.2	13.6	9.1	518	2.40	9.1	3.6	<0.5	0.4	6	0.3	0.1	1.5	30	0.07	0.055		
L102N 2050E	Soil	1.9	19.5	10.7	60	0.1	24.3	9.4	297	3.59	12.3	2.9	3.8	2.6	7	0.1	0.4	1.7	45	0.04	0.027		
L102N 2100E	Soil	2.2	19.5	9.3	58	0.1	18.8	8.7	300	3.06	3.5	6.7	2.0	2.3	6	0.2	0.3	1.4	39	0.04	0.023		
L102N 2150E	Soil	1.7	13.0	12.3	42	0.2	12.7	5.7	181	3.08	2.2	1.8	1.5	1.8	4	0.3	0.2	1.3	45	0.02	0.033		
L102N 2200E	Soil	1.9	14.6	9.8	43	0.1	16.0	6.0	210	3.86	2.5	1.6	1.1	1.4	9	0.3	0.2	1.3	52	0.06	0.033		
L102N 2250E	Soil	1.7	21.2	9.1	74	0.3	33.5	11.8	329	4.71	3.3	1.2	1.6	1.7	6	0.3	0.3	1.0	64	0.04	0.049		
L102N 2300E	Soil	1.6	35.6	15.6	66	0.3	24.5	21.9	788	3.45	2.7	7.5	1.8	0.9	9	0.6	0.2	1.4	48	0.06	0.035		
L102N 2350E	Soil	1.7	13.1	11.2	48	0.1	14.1	5.9	282	2.92	2.6	1.1	<0.5	2.3	5	<0.1	0.2	1.2	45	0.03	0.032		

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**Project:** FOX

**Report Date:** October 29, 2008

**Page:** 6 of 14 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN08010131.1**

Method	Analyte	Unit	MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX			
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se
				ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	
L102N 0900E	Soil			7	13	0.12	34	0.082	<20	0.84	0.003	0.09	6.5	0.03	0.6	0.1	<0.05	9	<0.5
L102N 0950E	Soil			8	15	0.17	36	0.082	<20	1.06	0.004	0.11	9.1	0.03	0.8	<0.1	<0.05	8	<0.5
L102N 1000E	Soil			6	18	0.18	41	0.053	<20	1.27	0.005	0.08	5.4	0.04	0.7	0.1	<0.05	6	<0.5
L102N 1050E	Soil			16	22	0.20	203	0.106	<20	1.37	0.015	0.09	0.6	0.06	1.4	<0.1	<0.05	8	<0.5
L102N 1100E	Soil			10	26	0.33	87	0.105	<20	2.10	0.008	0.29	1.9	0.05	1.6	0.2	<0.05	11	<0.5
L102N 1150E	Soil			8	4	0.03	17	0.037	<20	0.27	0.005	0.03	0.8	0.01	0.2	<0.1	<0.05	4	<0.5
L102N 1200E	Soil			11	1	0.01	20	0.008	<20	0.22	0.006	0.03	0.1	<0.01	0.1	0.1	<0.05	3	<0.5
L102N 1250E	Soil			8	9	0.10	23	0.050	<20	1.03	0.007	0.06	1.3	0.03	0.5	<0.1	<0.05	7	<0.5
L102N 1300E	Soil			8	17	0.18	42	0.096	<20	1.64	0.005	0.13	6.0	0.05	1.2	0.2	<0.05	9	0.6
L102N 1350E	Soil			8	16	0.22	35	0.085	<20	1.31	0.005	0.16	1.9	0.03	1.1	0.2	<0.05	6	<0.5
L102N 1400E	Soil			11	16	0.21	43	0.079	<20	1.68	0.006	0.15	3.9	0.04	1.3	0.2	<0.05	8	<0.5
L102N 1450E	Soil			10	19	0.28	42	0.079	<20	1.93	0.008	0.20	1.6	0.04	1.5	0.2	<0.05	7	<0.5
L102N 1500E	Soil			14	36	0.59	135	0.128	<20	2.38	0.012	0.58	3.5	0.03	3.0	0.4	<0.05	7	<0.5
L102N 1550E	Soil			11	24	0.39	59	0.120	<20	1.87	0.008	0.21	2.0	0.03	1.9	0.2	<0.05	10	<0.5
L102N 1600E	Soil			12	33	0.51	81	0.148	<20	2.57	0.008	0.35	2.3	0.05	3.0	0.3	<0.05	9	<0.5
L102N 1650E	Soil			10	30	0.36	66	0.136	<20	1.68	0.007	0.23	1.9	0.03	1.8	0.2	<0.05	10	<0.5
L102N 1700E	Soil			16	26	0.41	75	0.105	<20	1.96	0.009	0.28	1.7	0.02	1.7	0.2	<0.05	9	<0.5
L102N 1750E	Soil			10	22	0.37	70	0.096	<20	1.40	0.010	0.26	2.2	0.02	1.4	0.2	<0.05	6	<0.5
L102N 1800E	Soil			10	13	0.14	35	0.059	<20	1.14	0.008	0.10	1.6	0.04	0.7	0.1	<0.05	6	<0.5
L102N 1850E	Soil			11	36	0.66	114	0.155	<20	2.55	0.010	0.55	2.6	0.03	2.9	0.4	<0.05	9	<0.5
L102N 1900E	Soil			8	22	0.32	57	0.109	<20	1.60	0.008	0.20	1.9	0.03	1.4	0.2	<0.05	9	<0.5
L102N 1950E	Soil			10	34	0.51	75	0.128	<20	2.47	0.008	0.32	1.6	0.06	2.5	0.2	<0.05	10	<0.5
L102N 2000E	Soil			11	21	0.34	55	0.065	<20	2.03	0.009	0.15	3.9	0.04	1.3	0.2	<0.05	7	<0.5
L102N 2050E	Soil			15	40	0.72	132	0.178	<20	2.76	0.012	0.66	2.9	0.04	3.3	0.4	<0.05	9	<0.5
L102N 2100E	Soil			21	31	0.52	86	0.143	<20	2.09	0.009	0.40	2.4	0.02	2.7	0.4	<0.05	9	<0.5
L102N 2150E	Soil			10	28	0.31	55	0.137	<20	2.12	0.006	0.27	2.0	0.08	1.9	0.2	<0.05	9	0.6
L102N 2200E	Soil			10	32	0.40	74	0.156	<20	1.86	0.008	0.31	1.6	0.03	2.0	0.2	0.07	11	0.5
L102N 2250E	Soil			9	62	0.74	110	0.201	<20	2.62	0.008	0.45	1.2	0.05	3.1	0.3	<0.05	12	<0.5
L102N 2300E	Soil			23	41	0.51	97	0.127	<20	2.32	0.008	0.35	1.1	0.04	2.5	0.3	<0.05	10	0.7
L102N 2350E	Soil			9	27	0.32	68	0.143	<20	1.91	0.007	0.22	2.2	0.03	1.9	0.2	<0.05	9	<0.5

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Project:

FOX

Report Date:

October 29, 2008

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Part 1

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L102N 2400E	Soil			1.7	10.9	9.1	55	0.1	12.1	4.9	335	2.86	4.1	1.1	<0.5	0.9	12	0.4	0.1	0.9	41	0.04	0.030
L102N 2450E	Soil			1.9	20.9	12.1	42	0.1	16.1	5.3	148	2.88	3.3	2.4	1.2	1.7	6	0.2	0.3	1.6	36	0.04	0.021
L102N 2500E	Soil			3.0	61.5	15.6	70	0.4	33.4	11.7	340	3.50	4.9	8.1	2.0	1.6	15	0.5	0.2	1.8	42	0.17	0.038
L102N 2550E	Soil			2.5	15.8	10.1	48	0.2	13.6	8.2	396	2.87	5.6	1.5	1.9	1.0	12	0.3	0.2	1.1	43	0.14	0.037
L102N 2600E	Soil			1.7	40.9	12.2	94	0.3	39.7	13.7	430	4.42	6.0	3.1	0.9	2.3	8	0.4	0.3	1.6	52	0.05	0.027
L102N 2650E	Soil			1.5	14.7	7.4	54	<0.1	23.9	9.1	292	3.24	3.3	1.2	2.5	4.2	4	<0.1	0.1	0.9	41	0.04	0.014
L102N 2700E	Soil			1.6	7.9	7.8	25	0.2	7.8	3.2	93	1.50	1.6	1.1	<0.5	0.4	4	0.3	0.1	0.6	26	0.03	0.024
L102N 2750E	Soil			1.0	26.1	10.6	64	<0.1	25.7	14.1	307	3.22	4.6	2.7	<0.5	1.6	5	0.1	0.2	1.2	39	0.04	0.024
L102N 2800E	Soil			1.1	10.4	8.1	51	<0.1	13.3	6.8	322	2.13	3.0	1.6	<0.5	1.6	11	0.3	0.2	1.0	27	0.10	0.033
L102N 2850E	Soil			1.8	13.8	9.1	49	0.1	16.3	8.7	276	2.82	3.1	2.4	0.7	1.6	6	0.2	0.2	1.4	31	0.04	0.023
L102N 2900E	Soil			1.6	10.2	9.9	24	0.2	9.0	3.6	76	2.28	3.5	1.2	<0.5	1.8	4	0.3	0.2	1.5	26	0.04	0.036
L102N 2950E	Soil			1.8	10.0	12.5	24	<0.1	9.2	3.4	82	2.49	3.3	2.2	0.9	1.0	3	0.2	0.2	1.5	29	0.03	0.039
L102N 3000E	Soil			4.2	21.7	23.7	58	0.3	12.1	7.2	153	1.74	5.1	12.8	0.8	0.9	5	0.5	0.3	3.0	34	0.06	0.024
L102N 3050E	Soil			2.2	13.4	11.8	36	<0.1	12.0	4.7	163	2.73	2.3	4.3	<0.5	0.9	4	0.2	0.2	1.2	32	0.04	0.026
L102N 3100E	Soil			3.5	9.2	11.1	32	0.1	8.0	3.9	96	2.12	1.9	1.6	<0.5	3.3	4	0.2	0.2	1.3	37	0.03	0.018
L102N 3150E	Soil			3.2	22.3	12.5	47	0.2	15.7	8.6	343	2.50	2.5	11.5	0.9	1.1	10	0.3	0.2	1.4	35	0.11	0.025
L102N 3200E	Soil			1.6	14.2	7.9	58	<0.1	19.6	7.6	182	2.59	3.4	3.1	<0.5	2.5	7	0.3	0.3	1.0	35	0.07	0.022
L100N 0200E	Soil			1.2	6.0	8.6	74	<0.1	7.9	4.1	180	1.48	2.2	1.3	<0.5	3.5	6	0.5	0.2	1.6	23	0.06	0.038
L100N 0250E	Soil			1.3	5.9	8.9	39	<0.1	8.3	3.5	84	1.76	2.9	0.7	<0.5	2.8	8	0.2	0.2	1.1	30	0.08	0.056
L100N 0300E	Soil			0.7	7.4	5.5	24	<0.1	10.0	4.6	124	1.17	2.1	1.0	<0.5	3.3	5	0.1	0.4	1.4	17	0.05	0.023
L100N 0350E	Soil			1.1	6.5	9.5	64	<0.1	14.0	5.8	97	2.02	2.8	1.2	<0.5	3.8	4	0.1	0.2	1.3	27	0.04	0.081
L100N 0400E	Soil			1.6	9.9	8.6	38	<0.1	10.1	6.2	196	1.62	2.5	2.5	<0.5	1.4	13	0.4	0.3	1.9	25	0.12	0.027
L100N 0450E	Soil			2.0	21.6	11.9	75	0.2	23.5	13.6	493	2.56	7.6	11.4	<0.5	1.9	13	0.5	0.3	2.0	36	0.10	0.029
L100N 0500E	Soil			1.6	13.8	12.7	56	0.2	14.9	8.8	198	2.08	3.2	8.2	<0.5	1.3	10	0.5	0.2	1.8	29	0.08	0.027
L100N 0550E	Soil			1.4	8.4	7.7	42	<0.1	13.5	5.3	127	1.97	3.0	1.6	<0.5	4.6	5	0.2	0.4	1.8	30	0.05	0.038
L100N 0600E	Soil			1.3	4.7	8.7	22	<0.1	5.3	2.4	57	1.39	2.1	1.1	<0.5	3.7	4	0.2	0.4	2.0	26	0.02	0.023
L100N 0650E	Soil			2.1	13.5	10.7	70	0.2	16.5	7.5	167	2.69	3.9	3.4	0.7	3.5	5	0.5	0.3	1.9	37	0.05	0.039
L100N 0700E	Soil			4.6	12.2	14.2	89	0.1	15.7	6.3	143	2.67	6.9	4.1	0.7	4.3	3	0.4	0.4	4.2	38	0.04	0.034
L100N 0750E	Soil			10.9	10.6	11.7	56	0.1	8.6	3.5	103	1.88	2.5	2.5	<0.5	2.2	3	0.3	0.8	4.4	26	0.03	0.029
L100N 0800E	Soil			10.2	11.8	13.5	45	0.2	8.1	2.8	86	2.60	4.1	2.1	<0.5	3.5	3	0.3	0.8	3.1	34	0.02	0.049



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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L102N 2400E	Soil	9	21	0.25	63	0.108	<20	1.24	0.006	0.18	1.1	0.05	1.3	0.1	<0.05	8	<0.5
L102N 2450E	Soil	13	27	0.33	71	0.137	<20	2.12	0.007	0.31	1.9	0.05	1.9	0.2	<0.05	9	0.5
L102N 2500E	Soil	26	42	0.58	130	0.155	<20	2.80	0.010	0.54	1.9	0.05	3.2	0.3	<0.05	10	0.6
L102N 2550E	Soil	10	22	0.25	74	0.103	<20	1.27	0.007	0.17	1.6	0.03	1.2	0.1	<0.05	8	<0.5
L102N 2600E	Soil	13	52	0.81	160	0.193	<20	3.65	0.012	0.80	3.8	0.05	3.9	0.5	<0.05	11	<0.5
L102N 2650E	Soil	12	39	0.70	115	0.185	<20	2.21	0.012	0.69	3.0	0.02	3.1	0.4	<0.05	8	<0.5
L102N 2700E	Soil	7	13	0.18	33	0.069	<20	0.93	0.008	0.13	1.5	0.03	0.7	0.1	0.05	5	<0.5
L102N 2750E	Soil	12	39	0.59	90	0.141	<20	2.77	0.009	0.43	2.2	0.04	2.6	0.4	<0.05	8	0.7
L102N 2800E	Soil	10	20	0.28	44	0.090	<20	1.36	0.006	0.14	7.4	0.02	1.5	0.1	<0.05	6	0.5
L102N 2850E	Soil	9	28	0.40	68	0.120	<20	1.72	0.008	0.30	2.5	0.02	2.0	0.2	<0.05	7	<0.5
L102N 2900E	Soil	6	19	0.13	37	0.070	<20	1.54	0.004	0.08	7.7	0.05	1.2	<0.1	<0.05	6	0.7
L102N 2950E	Soil	8	21	0.18	34	0.068	<20	2.03	0.004	0.09	4.2	0.06	1.4	<0.1	<0.05	7	0.6
L102N 3000E	Soil	14	23	0.24	53	0.105	<20	2.03	0.006	0.13	3.1	0.06	1.4	0.2	<0.05	8	<0.5
L102N 3050E	Soil	11	23	0.29	50	0.092	<20	1.76	0.005	0.15	2.8	0.04	1.5	0.1	<0.05	8	<0.5
L102N 3100E	Soil	9	15	0.14	40	0.105	<20	0.85	0.004	0.09	2.2	0.02	1.1	<0.1	<0.05	7	<0.5
L102N 3150E	Soil	17	27	0.36	71	0.111	<20	1.70	0.007	0.26	3.1	0.04	1.9	0.2	<0.05	7	<0.5
L102N 3200E	Soil	13	31	0.45	89	0.130	<20	1.95	0.006	0.28	2.1	0.04	2.4	0.2	<0.05	6	<0.5
L100N 0200E	Soil	9	14	0.14	59	0.056	<20	1.11	0.004	0.10	1.1	0.02	1.2	<0.1	<0.05	5	<0.5
L100N 0250E	Soil	8	16	0.16	44	0.077	<20	1.05	0.006	0.10	1.3	0.02	1.2	<0.1	<0.05	6	<0.5
L100N 0300E	Soil	9	13	0.20	58	0.053	<20	0.94	0.007	0.17	1.5	<0.01	1.5	0.1	<0.05	3	<0.5
L100N 0350E	Soil	8	24	0.22	70	0.081	<20	2.44	0.004	0.13	3.3	0.03	2.0	0.2	<0.05	5	<0.5
L100N 0400E	Soil	11	14	0.19	81	0.070	<20	1.09	0.006	0.12	1.3	0.02	1.3	<0.1	<0.05	5	<0.5
L100N 0450E	Soil	19	36	0.49	131	0.122	<20	2.35	0.009	0.35	2.3	0.02	3.0	0.3	<0.05	7	<0.5
L100N 0500E	Soil	16	23	0.31	88	0.103	<20	1.74	0.010	0.20	2.2	0.02	2.0	0.2	<0.05	7	<0.5
L100N 0550E	Soil	12	20	0.27	73	0.101	<20	1.26	0.006	0.22	1.9	0.02	1.9	0.2	<0.05	6	<0.5
L100N 0600E	Soil	14	10	0.10	42	0.072	<20	0.79	0.003	0.09	2.6	<0.01	0.9	<0.1	<0.05	6	<0.5
L100N 0650E	Soil	12	28	0.35	78	0.113	<20	2.14	0.005	0.24	4.4	0.04	2.3	0.2	<0.05	7	<0.5
L100N 0700E	Soil	11	25	0.31	64	0.114	<20	2.25	0.004	0.17	4.0	0.04	2.2	0.2	<0.05	8	<0.5
L100N 0750E	Soil	8	15	0.20	48	0.073	<20	1.24	0.004	0.11	2.4	0.03	1.3	0.1	<0.05	7	0.6
L100N 0800E	Soil	7	19	0.13	40	0.071	<20	1.78	0.003	0.08	2.3	0.06	1.5	<0.1	<0.05	8	0.5

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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L100N 0850E	Soil			4.6	10.8	11.2	77	<0.1	11.1	4.3	87	2.49	4.9	3.8	<0.5	3.6	4	0.4	0.7	2.6	34	0.04	0.052
L100N 0900E	Soil			1.5	6.1	6.5	20	<0.1	5.2	2.0	56	1.33	3.1	0.9	<0.5	2.5	5	0.2	0.4	1.3	23	0.04	0.017
L100N 0950E	Soil			1.5	7.7	6.5	23	0.2	6.9	2.2	74	1.52	2.5	0.9	0.5	0.6	5	0.4	0.4	1.5	20	0.05	0.025
L100N 1000E	Soil			1.9	8.9	8.7	32	<0.1	10.0	4.3	119	1.77	3.0	1.2	<0.5	3.6	3	0.2	0.3	1.7	30	0.03	0.020
L100N 1050E	Soil			2.4	11.9	9.3	40	0.2	11.7	4.7	111	1.96	11.3	2.5	<0.5	0.8	6	0.6	0.3	1.4	25	0.06	0.029
L100N 1100E	Soil			3.4	20.5	50.3	206	0.6	28.3	8.7	205	2.10	4.1	9.3	1.5	3.0	8	0.5	1.3	15.6	38	0.09	0.038
L100N 1150E	Soil			8.1	22.8	16.7	139	0.2	33.7	11.3	265	3.15	10.8	7.8	<0.5	2.0	11	0.4	2.2	9.2	52	0.13	0.021
L100N 1200E	Soil			3.3	13.1	10.3	43	0.2	13.0	4.6	139	2.83	3.9	1.3	<0.5	1.7	4	0.4	0.5	2.5	47	0.03	0.023
L100N 1250E	Soil			1.6	13.9	9.0	38	0.3	12.4	5.3	195	2.40	2.4	1.4	<0.5	0.9	5	0.4	0.2	1.2	32	0.03	0.031
L100N 1300E	Soil			2.3	23.7	11.8	45	0.5	15.6	7.6	347	2.14	2.3	3.1	0.5	0.2	5	0.6	0.2	1.1	33	0.03	0.042
L100N 1350E	Soil			1.8	14.4	9.8	33	0.1	11.8	6.3	431	2.01	2.5	1.7	<0.5	0.5	4	0.2	0.2	1.1	29	0.03	0.029
L100N 1400E	Soil			1.8	26.5	14.1	69	0.2	22.5	10.1	293	3.32	4.8	3.4	0.7	0.8	6	0.4	0.3	2.8	44	0.03	0.035
L100N 1450E	Soil			1.8	14.7	11.7	23	0.2	7.6	3.3	117	1.75	1.4	2.3	<0.5	0.2	4	0.2	0.2	1.2	24	0.02	0.024
L100N 1500E	Soil			1.5	16.7	8.4	51	<0.1	20.6	7.5	244	2.53	3.1	2.1	<0.5	1.1	4	0.2	0.2	1.4	37	0.02	0.023
L100N 1550E	Soil			1.6	15.8	8.2	46	<0.1	19.7	6.5	214	2.96	3.2	1.6	<0.5	1.0	5	0.5	0.2	1.2	37	0.03	0.030
L100N 1600E	Soil			1.3	18.3	7.3	58	<0.1	23.0	8.2	224	2.70	3.4	1.8	0.9	1.5	5	0.2	0.3	1.1	37	0.03	0.021
L100N 1650E	Soil			1.8	18.1	12.2	41	0.2	13.9	8.9	466	2.88	3.4	2.1	<0.5	0.8	8	0.3	0.3	1.5	34	0.04	0.026
L100N 1700E	Soil			1.5	20.6	8.0	62	<0.1	24.6	9.6	290	3.26	4.3	1.5	<0.5	2.0	7	0.3	0.2	1.1	41	0.03	0.024
L100N 1750E	Soil			1.2	15.8	8.9	44	<0.1	20.3	7.0	197	2.43	3.4	2.0	<0.5	1.0	4	0.2	0.2	1.4	33	0.02	0.021
L100N 1800E	Soil			1.4	14.9	10.4	39	0.2	12.1	5.3	250	2.24	2.6	1.7	<0.5	0.6	4	0.2	0.1	1.1	32	0.02	0.027
L100N 1850E	Soil			1.5	14.2	8.9	42	0.2	15.1	5.5	162	2.57	3.4	1.8	<0.5	0.7	5	0.3	0.2	1.4	31	0.04	0.028
L100N 1900E	Soil			1.6	17.7	9.6	59	<0.1	21.7	9.5	286	3.53	3.6	1.8	<0.5	1.5	5	0.3	0.2	1.4	45	0.02	0.024
L100N 1950E	Soil			1.3	11.8	6.7	47	<0.1	17.3	6.3	184	2.03	2.9	1.3	0.8	0.9	5	<0.1	0.2	1.3	28	0.05	0.036
L100N 2000E	Soil			1.6	22.0	11.1	58	0.3	18.9	7.6	317	3.44	4.2	2.7	<0.5	1.1	6	0.2	0.3	1.4	44	0.04	0.028
L100N 2050E	Soil			5.0	33.8	16.1	71	0.2	27.8	17.8	591	3.43	6.1	17.0	<0.5	1.1	9	0.4	0.4	2.6	41	0.08	0.038
L100N 2100E	Soil			4.8	14.7	8.3	45	<0.1	15.0	6.0	240	2.57	3.0	5.4	<0.5	1.2	6	0.1	0.3	1.6	37	0.05	0.020
L100N 2150E	Soil			2.9	19.8	8.8	57	0.2	18.6	9.3	363	2.60	5.5	6.3	<0.5	1.5	8	0.2	0.2	1.6	32	0.11	0.055
L100N 2200E	Soil			2.4	30.6	12.2	83	<0.1	37.1	14.3	389	3.76	4.8	4.8	<0.5	2.1	7	0.1	0.2	1.8	51	0.06	0.033
L100N 2250E	Soil			1.8	9.7	8.9	25	0.1	8.6	3.6	147	1.85	1.8	1.2	<0.5	0.4	4	0.1	0.2	0.8	30	0.02	0.031
L100N 2300E	Soil			1.7	9.5	9.2	27	0.2	9.0	3.5	147	2.52	3.0	1.1	0.9	1.9	3	0.1	0.2	1.0	33	0.02	0.027

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L100N 0850E	Soil	9	21	0.20	38	0.077	<20	2.35	0.004	0.08	7.4	0.06	1.8	<0.1	<0.05	7	<0.5
L100N 0900E	Soil	10	10	0.09	36	0.048	<20	0.80	0.003	0.06	1.6	0.03	0.9	<0.1	<0.05	5	<0.5
L100N 0950E	Soil	7	11	0.10	45	0.050	<20	0.67	0.004	0.06	4.2	0.02	0.6	<0.1	<0.05	5	<0.5
L100N 1000E	Soil	12	16	0.16	41	0.065	<20	1.22	0.007	0.10	3.6	0.02	1.4	0.1	<0.05	6	<0.5
L100N 1050E	Soil	11	20	0.18	44	0.059	<20	1.55	0.006	0.07	3.3	0.05	1.3	0.1	<0.05	5	0.6
L100N 1100E	Soil	20	41	0.64	163	0.154	<20	2.71	0.008	0.55	4.7	0.02	3.5	0.5	<0.05	8	<0.5
L100N 1150E	Soil	18	48	0.70	164	0.187	<20	3.04	0.009	0.49	5.4	0.03	3.6	0.3	<0.05	11	<0.5
L100N 1200E	Soil	8	24	0.28	94	0.127	<20	1.36	0.004	0.21	2.1	0.03	1.7	0.1	<0.05	10	<0.5
L100N 1250E	Soil	8	21	0.25	56	0.083	<20	1.56	0.004	0.13	1.0	0.04	1.3	0.1	<0.05	7	<0.5
L100N 1300E	Soil	8	23	0.27	59	0.058	<20	1.92	0.006	0.17	0.9	0.06	0.8	0.1	<0.05	7	0.6
L100N 1350E	Soil	9	20	0.22	57	0.067	<20	1.40	0.005	0.17	1.3	0.05	1.0	0.2	<0.05	7	<0.5
L100N 1400E	Soil	11	36	0.46	88	0.111	<20	2.98	0.005	0.29	2.4	0.07	2.2	0.3	<0.05	10	0.6
L100N 1450E	Soil	9	15	0.14	35	0.054	<20	1.48	0.007	0.08	1.1	0.05	0.7	0.1	<0.05	7	<0.5
L100N 1500E	Soil	11	28	0.43	100	0.110	<20	2.13	0.007	0.30	1.9	0.03	2.1	0.3	<0.05	8	<0.5
L100N 1550E	Soil	10	28	0.36	82	0.110	<20	2.07	0.005	0.22	1.9	0.05	2.0	0.2	<0.05	9	<0.5
L100N 1600E	Soil	11	33	0.50	98	0.128	<20	2.04	0.007	0.40	2.3	0.03	2.6	0.3	<0.05	8	<0.5
L100N 1650E	Soil	10	24	0.26	59	0.095	<20	1.63	0.005	0.15	1.2	0.04	1.4	0.2	<0.05	9	0.6
L100N 1700E	Soil	11	37	0.53	108	0.150	<20	2.14	0.006	0.40	1.5	0.03	3.0	0.3	<0.05	10	<0.5
L100N 1750E	Soil	10	29	0.47	100	0.120	<20	1.98	0.007	0.38	2.0	0.05	2.1	0.3	<0.05	8	<0.5
L100N 1800E	Soil	10	23	0.25	50	0.100	<20	1.81	0.005	0.16	1.7	0.07	1.4	0.2	<0.05	8	0.5
L100N 1850E	Soil	8	26	0.36	70	0.106	<20	1.63	0.006	0.27	2.6	0.04	1.6	0.2	<0.05	8	<0.5
L100N 1900E	Soil	10	39	0.60	118	0.162	<20	2.18	0.008	0.51	2.0	0.04	2.9	0.3	<0.05	9	<0.5
L100N 1950E	Soil	9	28	0.44	90	0.117	<20	1.84	0.007	0.35	2.4	0.03	2.0	0.2	<0.05	7	<0.5
L100N 2000E	Soil	10	38	0.47	87	0.159	<20	2.24	0.007	0.39	1.9	0.04	2.6	0.3	<0.05	10	<0.5
L100N 2050E	Soil	20	43	0.62	134	0.140	<20	3.06	0.009	0.53	1.9	0.06	3.1	0.4	<0.05	9	<0.5
L100N 2100E	Soil	11	30	0.43	79	0.143	<20	1.65	0.008	0.29	1.7	0.03	2.1	0.2	<0.05	8	<0.5
L100N 2150E	Soil	15	32	0.47	81	0.109	<20	1.76	0.008	0.31	8.3	0.03	2.3	0.2	<0.05	7	<0.5
L100N 2200E	Soil	14	55	0.85	167	0.184	<20	3.14	0.012	0.69	2.4	0.03	4.0	0.5	<0.05	10	<0.5
L100N 2250E	Soil	8	17	0.19	42	0.081	<20	1.20	0.005	0.13	0.9	0.03	0.8	0.2	0.05	7	<0.5
L100N 2300E	Soil	8	18	0.15	35	0.108	<20	1.23	0.005	0.11	2.6	0.05	1.1	0.1	<0.05	8	<0.5

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



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Project:

FOX

Report Date:

October 29, 2008

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Part 1

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L100N 2350E	Soil	1.7	11.2	11.1	40	0.1	11.5	5.0	279	2.62	2.2	1.0	<0.5	0.5	7	0.2	0.2	0.9	35	0.03	0.033		
L100N 2400E	Soil	1.4	22.4	8.7	47	0.2	19.5	10.0	428	2.62	3.6	4.7	<0.5	0.8	7	0.3	0.2	1.1	33	0.05	0.037		
L100N 2450E	Soil	1.6	13.2	9.5	45	0.1	15.5	5.8	179	2.94	3.6	1.1	<0.5	1.1	5	0.2	0.2	1.1	39	0.03	0.026		
L100N 2500E	Soil	1.2	13.0	6.3	40	<0.1	16.8	6.6	201	2.23	2.6	1.7	<0.5	2.0	4	0.1	0.1	0.9	28	0.03	0.014		
L100N 2550E	Soil	1.5	12.1	13.5	31	0.2	9.0	4.2	175	2.25	3.6	2.2	<0.5	1.7	6	0.4	0.2	1.6	33	0.04	0.026		
L100N 2600E	Soil	2.5	20.5	10.6	46	0.3	12.5	6.7	237	1.93	17.7	4.1	<0.5	0.2	10	0.2	0.2	1.0	28	0.13	0.049		
L100N 2650E	Soil	2.4	17.4	11.8	56	<0.1	16.1	7.9	249	2.82	9.6	2.5	<0.5	1.9	5	0.3	0.2	1.3	37	0.04	0.025		
L100N 2700E	Soil	1.1	17.8	10.8	39	0.2	12.9	5.6	143	2.15	2.2	2.2	<0.5	0.7	4	0.3	0.2	1.0	28	0.03	0.026		
L100N 2750E	Soil	1.5	19.1	15.5	38	0.2	12.1	5.9	173	2.62	2.5	2.4	<0.5	1.7	5	0.4	0.2	1.2	32	0.04	0.023		
L100N 2800E	Soil	1.6	26.7	10.2	104	0.2	38.0	16.7	705	3.74	2.3	4.9	<0.5	1.0	11	0.2	0.1	1.5	51	0.07	0.042		
L100N 2850E	Soil	1.1	9.4	9.9	23	0.3	6.8	3.3	165	1.88	2.0	0.9	<0.5	0.3	5	0.4	0.2	1.2	25	0.02	0.031		
L100N 2900E	Soil	1.3	9.4	8.5	56	<0.1	12.7	7.3	1285	2.07	2.0	1.0	0.5	1.0	9	0.2	0.2	1.2	30	0.13	0.029		
L100N 2950E	Soil	1.1	8.8	6.5	27	<0.1	9.5	3.8	94	1.81	2.5	2.6	0.8	1.1	3	0.2	0.2	1.2	21	0.02	0.020		
L100N 3000E	Soil	1.4	11.4	8.8	37	<0.1	13.5	5.1	132	2.68	3.4	2.0	<0.5	3.8	3	0.1	0.2	1.1	34	0.02	0.022		
L100N 3050E	Soil	1.5	13.4	9.9	41	<0.1	15.3	5.6	134	4.03	5.2	1.2	<0.5	3.2	5	0.2	0.3	1.3	49	0.03	0.028		
L100N 3100E	Soil	3.2	35.8	27.4	34	0.2	12.4	6.3	191	2.71	5.4	18.5	<0.5	2.0	7	0.8	0.2	2.1	27	0.06	0.029		
L100N 3150E	Soil	2.5	10.9	8.6	47	<0.1	14.4	5.9	161	2.54	2.9	3.7	0.6	2.9	4	0.1	0.3	1.1	34	0.03	0.014		
L100N 3200E	Soil	2.8	11.2	9.5	35	<0.1	16.6	6.5	136	2.00	2.0	5.4	<0.5	1.8	5	0.1	0.2	1.0	28	0.04	0.017		
L98N 0700E	Soil	4.1	23.4	13.9	84	0.8	16.0	13.2	949	1.62	11.3	21.7	1.3	0.3	34	4.5	0.9	2.4	21	0.46	0.090		
L98N 0750E	Soil	2.3	12.6	8.4	60	<0.1	14.2	6.5	282	2.29	2.9	2.0	0.8	1.4	5	0.4	0.3	1.8	30	0.03	0.027		
L98N 0800E	Soil	5.4	22.1	18.5	53	0.2	15.1	15.2	653	2.42	3.2	9.1	0.9	0.9	13	0.7	0.4	2.3	34	0.13	0.031		
L98N 0850E	Soil	1.7	27.2	26.8	95	0.4	30.4	8.5	181	1.88	1.9	8.4	1.0	1.0	12	0.7	0.5	8.1	31	0.11	0.020		
L98N 0900E	Soil	4.2	28.8	22.9	76	0.3	21.8	7.1	140	2.16	3.4	10.6	1.4	0.8	9	0.9	0.6	5.9	33	0.08	0.027		
L98N 0950E	Soil	3.1	17.4	10.5	50	0.5	18.0	6.6	194	2.85	3.9	3.9	<0.5	2.5	5	0.7	0.4	2.4	38	0.04	0.037		
L98N 1000E	Soil	1.6	16.2	7.0	58	<0.1	23.0	8.7	309	3.21	3.4	3.6	1.1	1.1	11	0.1	0.2	1.1	39	0.11	0.027		
L98N 1050E	Soil	1.4	16.3	9.7	40	0.2	14.9	6.3	233	2.65	2.5	1.5	0.6	0.7	6	0.5	0.2	1.5	38	0.04	0.030		
L98N 1100E	Soil	1.8	20.7	11.5	46	0.4	18.7	6.8	215	2.59	2.7	2.6	<0.5	0.5	6	0.3	0.3	1.4	34	0.04	0.041		
L98N 1150E	Soil	1.7	9.8	12.2	33	0.2	11.4	3.7	128	2.27	2.2	1.0	0.9	0.6	5	0.1	0.1	1.7	37	0.03	0.025		
L98N 1200E	Soil	1.1	9.3	7.5	18	0.2	5.4	2.0	66	1.30	0.9	1.1	0.7	0.2	6	0.4	0.1	1.0	20	0.03	0.032		
L98N 1250E	Soil	1.4	7.6	7.8	17	0.1	5.5	1.9	66	0.92	0.7	0.9	<0.5	0.1	4	0.2	<0.1	0.6	19	0.03	0.024		



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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L100N 2350E	Soil	7	19	0.19	53	0.075	<20	1.27	0.005	0.09	1.5	0.04	0.9	<0.1	<0.05	9	<0.5
L100N 2400E	Soil	16	29	0.40	64	0.097	<20	1.76	0.006	0.22	2.5	0.04	2.1	0.2	<0.05	7	<0.5
L100N 2450E	Soil	8	28	0.38	72	0.135	<20	1.61	0.006	0.27	2.9	0.03	1.7	0.2	<0.05	9	<0.5
L100N 2500E	Soil	10	27	0.45	91	0.118	<20	1.57	0.008	0.42	2.6	0.02	2.2	0.2	<0.05	6	<0.5
L100N 2550E	Soil	10	19	0.16	38	0.092	<20	1.41	0.005	0.10	3.3	0.05	1.3	0.1	<0.05	7	<0.5
L100N 2600E	Soil	11	23	0.23	41	0.050	<20	1.94	0.008	0.09	2.2	0.08	1.0	0.1	<0.05	6	0.6
L100N 2650E	Soil	14	30	0.31	51	0.114	<20	2.21	0.005	0.14	2.8	0.05	2.2	0.2	<0.05	8	0.6
L100N 2700E	Soil	11	23	0.28	56	0.089	<20	1.90	0.006	0.19	2.2	0.05	1.4	0.1	<0.05	7	<0.5
L100N 2750E	Soil	11	28	0.25	64	0.108	<20	2.16	0.005	0.20	4.5	0.06	2.1	0.2	<0.05	8	<0.5
L100N 2800E	Soil	11	59	0.79	187	0.169	<20	3.49	0.012	0.70	2.1	0.03	3.5	0.3	<0.05	11	<0.5
L100N 2850E	Soil	6	11	0.11	31	0.068	<20	0.73	0.004	0.09	2.4	0.03	0.5	<0.1	<0.05	6	<0.5
L100N 2900E	Soil	7	21	0.26	64	0.096	<20	1.42	0.007	0.12	1.9	0.03	1.5	0.1	<0.05	6	<0.5
L100N 2950E	Soil	10	15	0.18	31	0.062	<20	1.13	0.005	0.11	3.8	0.03	1.1	0.1	<0.05	5	<0.5
L100N 3000E	Soil	11	24	0.29	47	0.122	<20	1.62	0.005	0.19	3.4	0.02	1.9	0.2	<0.05	7	<0.5
L100N 3050E	Soil	8	32	0.30	60	0.152	<20	1.90	0.005	0.19	2.8	0.03	1.9	0.2	<0.05	11	<0.5
L100N 3100E	Soil	18	22	0.17	54	0.101	<20	2.01	0.006	0.12	2.6	0.08	1.9	0.1	0.06	7	<0.5
L100N 3150E	Soil	12	26	0.35	50	0.135	<20	1.55	0.006	0.23	3.3	0.04	2.0	0.2	<0.05	8	<0.5
L100N 3200E	Soil	11	27	0.39	87	0.122	<20	1.82	0.008	0.32	3.7	0.02	2.2	0.3	<0.05	6	<0.5
L98N 0700E	Soil	44	23	0.26	84	0.041	<20	2.44	0.008	0.16	15.5	0.13	1.4	0.3	0.12	4	0.6
L98N 0750E	Soil	13	23	0.30	86	0.091	<20	1.37	0.005	0.21	1.4	0.02	1.6	0.1	<0.05	7	<0.5
L98N 0800E	Soil	18	25	0.33	70	0.082	<20	1.73	0.006	0.18	2.9	0.03	1.6	0.2	<0.05	7	<0.5
L98N 0850E	Soil	14	43	0.60	143	0.147	<20	3.37	0.009	0.44	1.5	0.04	2.8	0.4	<0.05	13	<0.5
L98N 0900E	Soil	17	36	0.43	106	0.118	<20	2.98	0.006	0.28	3.1	0.06	2.0	0.3	<0.05	11	<0.5
L98N 0950E	Soil	12	29	0.39	77	0.112	<20	2.20	0.005	0.27	3.2	0.05	2.2	0.2	<0.05	8	<0.5
L98N 1000E	Soil	13	35	0.54	109	0.122	<20	2.27	0.006	0.44	1.6	0.01	2.3	0.3	<0.05	9	0.7
L98N 1050E	Soil	10	25	0.28	71	0.098	<20	1.78	0.005	0.21	1.6	0.04	1.4	0.2	<0.05	9	<0.5
L98N 1100E	Soil	10	29	0.32	83	0.077	<20	2.25	0.005	0.22	1.6	0.07	1.3	0.2	<0.05	8	0.6
L98N 1150E	Soil	8	20	0.20	54	0.092	<20	1.50	0.005	0.14	1.9	0.04	1.0	0.1	<0.05	10	<0.5
L98N 1200E	Soil	9	9	0.05	32	0.039	<20	0.80	0.005	0.05	0.7	0.03	0.4	<0.1	<0.05	5	<0.5
L98N 1250E	Soil	6	9	0.08	28	0.042	<20	0.71	0.006	0.05	0.6	0.03	0.3	<0.1	<0.05	4	<0.5

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Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L98N 1300E	Soil			1.7	21.9	10.3	47	0.3	19.2	7.0	253	2.56	2.7	2.1	<0.5	0.4	5	0.3	0.2	1.2	36	0.03	0.032
L98N 1350E	Soil			1.3	20.8	9.8	51	0.2	21.9	8.6	260	2.82	2.9	1.5	0.7	1.2	5	0.3	0.2	1.0	41	0.03	0.025
L98N 1400E	Soil			1.6	16.5	8.9	49	0.2	18.7	6.7	369	2.95	3.5	1.5	1.4	1.2	5	0.2	0.2	1.4	39	0.03	0.034
L98N 1450E	Soil			1.6	12.8	10.9	47	0.2	15.3	6.9	410	3.06	2.9	1.1	<0.5	1.9	10	0.3	0.2	1.4	44	0.06	0.031
L98N 1500E	Soil			1.5	13.1	8.8	41	0.4	15.4	8.7	271	2.61	2.0	1.4	<0.5	0.9	7	0.4	0.2	1.2	36	0.04	0.028
L98N 1550E	Soil			1.5	14.3	10.3	41	0.4	15.2	12.4	565	2.45	3.1	1.2	0.9	0.6	5	0.3	0.2	1.9	34	0.02	0.034
L98N 1600E	Soil			2.4	9.7	9.8	39	0.2	10.1	5.2	254	2.43	2.5	1.8	1.1	0.9	4	0.3	0.2	1.5	34	0.02	0.029
L98N 1650E	Soil			1.8	6.5	10.4	20	0.2	5.7	2.2	104	1.89	2.0	0.8	<0.5	0.8	3	0.1	0.2	1.4	38	0.01	0.026
L98N 1700E	Soil			1.5	4.4	8.3	12	0.1	3.1	1.1	61	0.88	0.7	0.5	0.5	0.1	4	<0.1	0.1	1.0	26	0.01	0.020
L98N 1750E	Soil			2.0	7.9	6.5	26	0.1	10.0	3.3	93	2.49	3.3	0.9	<0.5	1.0	3	0.2	0.2	1.3	28	0.02	0.027
L98N 1800E	Soil			2.3	11.5	9.3	33	0.2	10.7	4.1	126	3.26	2.3	1.1	<0.5	1.0	4	0.3	0.3	1.4	43	0.02	0.033
L98N 1850E	Soil			1.7	10.9	9.5	39	0.2	13.7	5.5	162	3.49	2.8	1.1	<0.5	2.4	4	0.1	0.2	1.5	49	0.01	0.023
L98N 1900E	Soil			1.5	11.1	11.2	41	0.2	14.5	5.4	169	3.10	2.2	1.3	0.7	1.9	4	0.1	0.2	1.5	44	0.02	0.025
L98N 1950E	Soil			1.3	13.1	9.1	43	<0.1	17.3	6.5	198	3.29	2.6	1.2	<0.5	1.7	4	0.1	0.2	1.2	44	0.02	0.029
L98N 2000E	Soil			0.3	9.1	6.6	20	0.2	7.6	2.6	49	0.57	2.6	8.1	<0.5	0.3	4	0.2	0.1	0.7	15	0.04	0.046
L98N 2050E	Soil			2.9	10.1	17.2	38	0.2	8.2	3.3	208	3.50	3.1	1.6	<0.5	1.7	5	0.3	0.3	2.8	54	0.03	0.031
L98N 2100E	Soil			1.0	5.9	6.2	25	0.1	7.9	2.9	94	2.23	2.1	0.9	1.4	1.2	4	0.2	0.2	0.6	27	0.03	0.026
L98N 2150E	Soil			1.1	7.3	8.7	34	0.2	7.5	3.3	160	2.26	2.1	0.8	<0.5	0.9	4	0.2	0.2	0.8	30	0.03	0.036
L98N 2200E	Soil			1.8	9.9	11.7	29	0.2	7.2	3.3	158	1.93	2.0	1.2	0.7	0.3	4	0.3	0.2	1.2	29	0.02	0.036
L98N 2250E	Soil			2.7	23.7	10.4	56	0.2	23.4	12.2	461	2.89	4.3	13.2	0.5	2.5	9	0.3	0.2	1.3	38	0.08	0.029
L98N 2300E	Soil			3.5	23.4	9.7	76	0.2	20.2	15.3	1231	2.77	2.9	9.6	<0.5	0.6	8	0.6	0.2	1.4	37	0.06	0.035
L98N 2350E	Soil			1.0	8.8	7.1	35	<0.1	11.3	4.0	111	2.29	2.3	1.0	<0.5	1.2	3	0.2	0.2	0.6	31	0.02	0.029
L98N 2400E	Soil			1.3	9.9	6.6	36	0.1	13.0	5.4	166	2.21	2.7	2.3	<0.5	1.7	5	0.2	0.2	0.8	28	0.04	0.021
L98N 2450E	Soil			1.3	7.9	9.6	18	0.2	5.9	2.3	54	1.96	1.9	1.1	0.7	0.8	6	0.3	0.2	1.2	29	0.04	0.029
L98N 2500E	Soil			1.4	7.0	8.8	24	0.2	9.0	3.4	100	2.32	1.8	1.1	<0.5	2.1	3	0.1	0.1	0.8	34	0.02	0.023
L98N 2550E	Soil			0.9	6.4	4.9	20	<0.1	8.2	2.8	76	1.73	1.9	0.8	<0.5	1.5	3	0.1	0.1	0.5	21	0.03	0.028
L98N 2600E	Soil			1.0	5.0	5.8	13	0.1	4.1	1.7	53	1.36	1.0	1.1	<0.5	0.5	2	<0.1	<0.1	0.5	16	0.02	0.017
L98N 2650E	Soil			1.5	9.6	11.2	27	0.1	8.2	3.5	97	2.46	2.5	1.0	<0.5	2.4	5	0.2	0.2	1.2	33	0.03	0.022
L98N 2700E	Soil			1.0	9.3	7.4	37	<0.1	11.9	5.1	197	2.39	2.1	1.1	<0.5	3.4	4	0.2	0.2	0.9	28	0.03	0.017
L98N 2750E	Soil			1.3	9.9	8.5	34	0.1	11.6	4.8	150	2.16	2.1	1.5	<0.5	2.6	4	<0.1	0.1	1.0	29	0.02	0.017

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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX TI	1DX S	1DX Ga	1DX Se
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05		1	0.5
L98N 1300E	Soil			10	26	0.36	80	0.082	<20	2.25	0.006	0.23	1.3	0.05	1.3	0.2	<0.05	8	<0.5
L98N 1350E	Soil			10	32	0.47	92	0.119	<20	2.13	0.005	0.32	1.1	0.03	2.0	0.2	<0.05	9	<0.5
L98N 1400E	Soil			10	28	0.37	82	0.107	<20	2.03	0.005	0.23	1.3	0.04	1.8	0.2	<0.05	9	0.5
L98N 1450E	Soil			10	26	0.27	94	0.128	<20	1.65	0.005	0.18	2.7	0.04	1.6	0.1	<0.05	10	0.7
L98N 1500E	Soil			11	25	0.36	76	0.109	<20	1.87	0.005	0.25	1.2	0.03	1.5	0.2	<0.05	9	<0.5
L98N 1550E	Soil			9	25	0.27	67	0.089	<20	1.61	0.005	0.23	5.0	0.04	1.2	0.2	<0.05	7	<0.5
L98N 1600E	Soil			11	21	0.20	57	0.093	<20	1.58	0.004	0.17	1.8	0.03	1.2	0.2	<0.05	8	0.6
L98N 1650E	Soil			7	11	0.07	29	0.085	<20	0.77	0.005	0.06	1.1	0.03	0.5	<0.1	<0.05	8	<0.5
L98N 1700E	Soil			6	7	0.03	26	0.044	<20	0.38	0.005	0.03	0.9	0.01	0.2	<0.1	<0.05	5	<0.5
L98N 1750E	Soil			7	17	0.18	31	0.076	<20	1.06	0.004	0.11	1.5	0.02	0.9	0.1	<0.05	7	<0.5
L98N 1800E	Soil			9	24	0.25	61	0.112	<20	1.72	0.005	0.21	1.5	0.07	1.3	0.2	<0.05	10	<0.5
L98N 1850E	Soil			9	31	0.40	72	0.143	<20	1.85	0.006	0.31	1.0	0.04	2.0	0.2	<0.05	10	<0.5
L98N 1900E	Soil			10	31	0.41	74	0.137	<20	2.07	0.006	0.34	1.5	0.04	2.1	0.3	<0.05	9	<0.5
L98N 1950E	Soil			10	35	0.49	91	0.130	<20	2.15	0.007	0.41	1.5	0.05	2.3	0.3	<0.05	9	<0.5
L98N 2000E	Soil			15	15	0.17	48	0.063	<20	2.18	0.012	0.09	1.1	0.03	1.2	0.1	0.05	5	<0.5
L98N 2050E	Soil			8	18	0.15	43	0.145	<20	1.62	0.004	0.10	1.6	0.05	1.0	0.1	0.06	14	<0.5
L98N 2100E	Soil			9	17	0.18	31	0.079	<20	1.02	0.004	0.12	1.2	0.03	0.9	0.1	<0.05	6	<0.5
L98N 2150E	Soil			7	17	0.15	38	0.076	<20	1.21	0.005	0.10	1.2	0.05	0.9	0.1	0.05	7	<0.5
L98N 2200E	Soil			8	16	0.13	36	0.065	<20	1.41	0.005	0.10	1.1	0.05	0.6	0.1	<0.05	8	<0.5
L98N 2250E	Soil			22	36	0.54	107	0.126	<20	2.71	0.008	0.36	2.9	0.04	2.8	0.3	<0.05	7	0.5
L98N 2300E	Soil			14	32	0.45	106	0.091	<20	2.47	0.006	0.27	1.5	0.03	1.9	0.2	<0.05	8	<0.5
L98N 2350E	Soil			8	22	0.27	43	0.090	<20	1.40	0.006	0.20	1.3	0.03	1.3	0.1	<0.05	6	<0.5
L98N 2400E	Soil			10	23	0.33	62	0.093	<20	1.62	0.006	0.25	2.1	0.02	1.7	0.2	<0.05	6	<0.5
L98N 2450E	Soil			10	14	0.08	35	0.067	<20	1.28	0.004	0.08	1.3	0.03	0.8	<0.1	<0.05	8	<0.5
L98N 2500E	Soil			12	20	0.19	41	0.092	<20	1.57	0.006	0.14	1.9	0.05	1.3	0.1	<0.05	7	<0.5
L98N 2550E	Soil			8	15	0.16	28	0.063	<20	1.10	0.004	0.10	2.0	0.04	1.0	<0.1	<0.05	4	<0.5
L98N 2600E	Soil			8	10	0.10	20	0.041	<20	0.85	0.004	0.07	1.3	0.02	0.6	0.1	<0.05	4	<0.5
L98N 2650E	Soil			6	19	0.11	39	0.090	<20	1.71	0.004	0.08	1.5	0.06	1.2	0.1	<0.05	8	<0.5
L98N 2700E	Soil			11	22	0.33	67	0.112	<20	1.32	0.006	0.20	1.8	0.04	1.5	0.2	<0.05	6	<0.5
L98N 2750E	Soil			12	21	0.32	52	0.101	<20	1.43	0.007	0.22	2.6	0.04	1.7	0.2	<0.05	6	<0.5

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Report Date:

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Part 1

# CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L98N 2800E	Soil			1.3	10.8	9.7	35	0.1	10.7	4.3	164	2.43	2.1	1.7	0.7	3.4	4	0.3	0.2	1.3	31	0.03	0.017
L98N 2850E	Soil			1.3	10.7	10.7	45	0.1	11.0	4.7	137	2.58	1.9	1.6	0.8	3.2	7	<0.1	0.2	1.5	34	0.04	0.022
L98N 2900E	Soil			1.6	9.9	13.2	23	<0.1	6.4	2.4	86	2.43	1.9	0.9	<0.5	1.2	8	0.5	0.2	1.6	42	0.05	0.020
L98N 2950E	Soil			2.0	15.5	10.2	48	<0.1	19.3	10.5	269	2.46	6.7	5.0	0.9	4.2	15	0.3	0.2	1.1	30	0.08	0.029
L98N 3000E	Soil			0.9	20.6	7.2	48	<0.1	30.8	12.0	301	3.11	3.0	7.0	<0.5	3.4	20	0.4	0.1	1.0	39	0.23	0.020
L98N 3050E	Soil			0.9	9.7	9.2	45	<0.1	14.3	6.2	183	1.96	1.9	2.2	<0.5	3.8	10	<0.1	0.1	1.0	25	0.10	0.014
L98N 3100E	Soil			1.7	21.3	12.4	82	0.1	25.3	11.4	314	2.87	6.4	5.5	0.6	3.5	10	0.3	0.3	2.2	33	0.08	0.029
L98N 3150E	Soil			1.7	13.4	9.7	33	<0.1	10.6	4.5	174	2.07	2.2	4.2	<0.5	1.7	11	0.3	0.1	1.1	26	0.13	0.018
L98N 3200E	Soil			2.5	16.3	12.7	51	0.2	16.7	11.7	354	2.57	2.1	3.8	0.6	1.7	6	0.5	0.2	1.3	36	0.03	0.023
L96N 0700E	Soil			0.9	7.2	8.6	45	0.2	5.8	1.9	422	1.25	1.7	0.9	<0.5	2.1	16	0.1	0.2	1.8	18	0.16	0.041
L96N 0750E	Soil			1.3	9.4	8.6	58	<0.1	14.4	5.8	181	2.05	2.9	1.1	<0.5	3.3	5	0.2	0.3	1.4	25	0.06	0.066
L96N 0800E	Soil			2.5	15.6	14.0	108	0.2	16.9	10.4	637	2.40	3.6	7.7	<0.5	1.9	10	0.9	0.4	2.4	29	0.08	0.036
L96N 0850E	Soil			2.2	8.6	9.1	29	0.2	8.4	3.3	93	2.47	2.8	1.2	<0.5	2.3	4	0.4	0.3	1.5	39	0.03	0.032
L96N 0900E	Soil			7.6	21.0	18.8	97	0.5	20.8	11.7	437	3.12	7.7	9.0	0.7	1.9	12	1.1	1.1	6.5	40	0.12	0.048
L96N 0950E	Soil			5.3	39.1	19.5	125	0.4	25.7	13.9	1321	3.25	7.0	16.4	<0.5	1.2	24	2.1	1.1	6.5	42	0.23	0.049
L96N 1000E	Soil			3.7	36.2	17.6	114	0.3	29.8	10.8	347	3.80	11.0	9.9	<0.5	3.9	14	0.6	1.3	6.8	48	0.08	0.024
L96N 1050E	Soil			5.4	24.7	18.9	94	0.5	18.3	9.6	528	3.14	5.0	5.5	<0.5	1.9	11	0.6	0.9	11.6	39	0.07	0.032
L96N 1100E	Soil			1.6	13.1	8.4	42	0.1	13.7	6.4	257	2.14	2.1	2.3	<0.5	2.6	5	0.2	0.2	1.1	29	0.02	0.022
L96N 1150E	Soil			1.9	21.9	11.3	62	0.3	20.7	8.3	244	2.78	3.5	2.8	0.7	2.0	7	0.9	0.3	2.3	35	0.04	0.033
L96N 1200E	Soil			1.8	16.4	9.9	50	0.2	18.3	10.8	327	2.59	3.8	2.1	<0.5	1.8	8	0.7	0.2	2.2	34	0.05	0.030
L96N 1250E	Soil			1.8	12.2	12.2	35	0.2	12.3	4.7	184	2.49	2.7	2.0	<0.5	1.7	6	0.4	0.2	1.4	35	0.03	0.030
L96N 1300E	Soil			1.6	12.0	11.4	43	0.2	12.6	5.2	199	2.25	2.2	1.3	<0.5	1.5	6	0.3	0.1	1.8	32	0.03	0.025
L96N 1350E	Soil			1.3	18.5	9.1	46	0.1	21.3	7.9	197	2.61	2.6	2.0	<0.5	1.6	6	0.2	0.2	0.8	36	0.02	0.025
L96N 1400E	Soil			1.1	18.2	10.5	50	0.3	20.2	9.9	455	2.66	2.3	2.0	<0.5	1.9	7	0.3	0.2	1.0	38	0.03	0.031
L96N 1450E	Soil			1.4	8.2	10.4	29	0.2	9.3	3.4	151	2.41	2.6	0.7	<0.5	2.6	5	0.1	0.2	1.2	39	0.03	0.023
L96N 1500E	Soil			1.6	8.9	7.9	18	0.2	8.0	2.9	86	1.86	2.2	2.7	<0.5	1.5	3	<0.1	0.1	0.9	32	0.02	0.018
L96N 1550E	Soil			1.3	9.1	5.0	28	<0.1	11.0	4.2	129	2.49	2.7	2.5	<0.5	2.6	3	<0.1	0.2	0.9	31	0.02	0.018
L96N 1600E	Soil			3.4	29.3	13.7	95	0.2	28.2	16.3	796	3.39	5.1	7.5	<0.5	1.5	9	0.3	0.3	2.3	41	0.04	0.048
L96N 1650E	Soil			1.5	4.9	8.6	14	0.1	4.7	1.7	87	1.82	1.6	0.7	<0.5	0.7	3	<0.1	0.2	1.2	29	0.02	0.029
L96N 1700E	Soil			1.4	9.8	10.3	25	0.2	7.7	3.2	172	1.91	2.2	1.6	<0.5	1.0	4	0.2	0.3	1.2	23	0.02	0.026



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Method	Analyte	Unit	MDL	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX TI	1DX S	1DX Ga	1DX Se
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05		1	0.5
L98N 2800E	Soil			12	20	0.29	52	0.098	<20	1.53	0.008	0.18	2.4	0.05	1.6	0.2	<0.05	6	0.5
L98N 2850E	Soil			13	22	0.28	52	0.095	<20	1.89	0.006	0.12	2.5	0.05	1.8	0.1	<0.05	8	<0.5
L98N 2900E	Soil			7	13	0.09	46	0.109	<20	0.74	0.004	0.05	1.7	0.03	0.6	<0.1	<0.05	10	<0.5
L98N 2950E	Soil			18	33	0.35	58	0.110	<20	1.99	0.011	0.18	4.7	0.03	2.4	0.2	<0.05	6	<0.5
L98N 3000E	Soil			14	47	0.60	108	0.192	<20	2.42	0.010	0.52	2.1	0.03	3.2	0.4	<0.05	8	<0.5
L98N 3050E	Soil			11	23	0.35	59	0.106	<20	1.37	0.007	0.15	2.9	0.02	1.9	0.1	<0.05	6	<0.5
L98N 3100E	Soil			14	32	0.43	88	0.142	<20	2.50	0.007	0.25	6.3	0.04	2.7	0.2	<0.05	7	<0.5
L98N 3150E	Soil			15	16	0.25	57	0.083	<20	1.26	0.006	0.16	1.8	0.03	1.3	0.1	<0.05	6	<0.5
L98N 3200E	Soil			10	27	0.38	72	0.121	<20	1.77	0.008	0.26	2.1	0.03	2.0	0.2	<0.05	8	0.7
L96N 0700E	Soil			9	11	0.11	80	0.045	<20	0.80	0.005	0.09	1.6	0.03	0.8	0.1	<0.05	5	<0.5
L96N 0750E	Soil			7	23	0.28	65	0.082	<20	2.19	0.006	0.19	1.8	0.04	1.7	0.1	<0.05	5	<0.5
L96N 0800E	Soil			20	26	0.37	96	0.100	<20	2.07	0.007	0.20	3.8	0.05	2.0	0.2	<0.05	7	<0.5
L96N 0850E	Soil			9	16	0.16	37	0.096	<20	1.16	0.010	0.10	1.8	0.05	1.0	<0.1	<0.05	8	<0.5
L96N 0900E	Soil			21	33	0.40	108	0.111	<20	2.43	0.008	0.25	7.3	0.08	2.4	0.2	0.06	9	<0.5
L96N 0950E	Soil			30	39	0.46	141	0.107	<20	2.57	0.009	0.34	2.4	0.05	2.7	0.2	0.07	8	0.7
L96N 1000E	Soil			16	44	0.57	178	0.177	<20	2.95	0.009	0.54	3.7	0.02	3.7	0.3	<0.05	10	<0.5
L96N 1050E	Soil			14	30	0.34	84	0.123	<20	1.85	0.009	0.24	1.6	0.05	2.0	0.2	<0.05	9	<0.5
L96N 1100E	Soil			13	23	0.34	58	0.095	<20	1.74	0.005	0.19	1.2	0.05	2.0	0.2	<0.05	6	<0.5
L96N 1150E	Soil			13	30	0.38	79	0.110	<20	2.06	0.010	0.28	2.2	0.06	2.3	0.2	0.07	8	<0.5
L96N 1200E	Soil			11	27	0.36	84	0.112	<20	1.86	0.008	0.25	2.2	0.05	2.1	0.2	0.07	8	<0.5
L96N 1250E	Soil			12	22	0.27	48	0.110	<20	1.69	0.006	0.16	1.3	0.06	1.5	0.2	0.09	9	0.5
L96N 1300E	Soil			9	22	0.30	55	0.106	<20	1.52	0.006	0.15	2.0	0.04	1.6	0.2	0.06	8	<0.5
L96N 1350E	Soil			12	32	0.43	75	0.119	<20	1.93	0.007	0.31	1.1	0.04	2.3	0.2	<0.05	8	0.6
L96N 1400E	Soil			11	30	0.42	103	0.131	<20	2.16	0.008	0.33	1.1	0.05	2.3	0.2	0.08	8	<0.5
L96N 1450E	Soil			7	18	0.19	42	0.134	<20	1.14	0.004	0.12	1.8	0.03	1.3	0.1	0.08	7	<0.5
L96N 1500E	Soil			12	17	0.22	33	0.097	<20	1.26	0.006	0.12	1.4	0.04	1.3	0.1	<0.05	7	0.5
L96N 1550E	Soil			12	21	0.34	39	0.099	<20	1.47	0.006	0.17	1.8	0.03	1.8	0.2	<0.05	6	<0.5
L96N 1600E	Soil			11	48	0.53	129	0.121	<20	3.77	0.009	0.33	1.7	0.06	2.7	0.3	0.11	9	0.7
L96N 1650E	Soil			7	11	0.11	19	0.060	<20	0.82	0.004	0.07	0.6	0.04	0.7	<0.1	0.06	7	<0.5
L96N 1700E	Soil			7	17	0.19	34	0.067	<20	1.51	0.005	0.13	1.7	0.06	1.1	0.1	0.07	6	0.6

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Project:

FOX

Report Date:

October 29, 2008

Page:

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Part 1

CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L96N 1750E	Soil	1.1	4.2	8.3	10	0.1	2.5	0.9	27	0.78	0.9	0.5	0.7	0.6	2	<0.1	0.3	0.9	17	<0.01	0.012		
L96N 1800E	Soil	2.0	8.0	9.9	30	<0.1	9.7	3.4	129	2.76	3.0	1.1	<0.5	1.8	3	0.1	0.2	1.0	37	0.02	0.032		
L96N 1850E	Soil	1.2	7.0	7.1	11	0.2	3.2	1.3	38	0.66	0.5	0.9	<0.5	<0.1	4	0.2	<0.1	0.5	13	0.01	0.029		
L96N 1900E	Soil	1.6	8.5	11.9	26	0.2	7.1	2.9	112	1.67	1.6	1.1	<0.5	0.6	4	0.2	0.2	1.1	29	0.02	0.022		
L96N 1950E	Soil	1.8	10.0	8.6	13	0.5	4.0	1.6	63	0.80	1.1	1.7	0.8	<0.1	4	0.2	<0.1	0.4	18	0.02	0.060		
L96N 2000E	Soil	1.4	12.2	12.3	25	0.3	8.6	3.2	98	2.11	2.2	1.6	1.0	1.3	3	0.1	0.2	1.1	27	0.03	0.037		
L96N 2050E	Soil	1.8	9.4	9.5	26	<0.1	8.9	3.4	110	3.11	3.4	1.4	0.7	2.9	3	0.1	0.3	1.1	49	0.01	0.023		
L96N 2100E	Soil	1.9	11.6	11.3	36	0.1	13.2	5.5	171	2.84	2.7	1.6	<0.5	2.1	4	0.1	0.2	0.9	41	0.02	0.021		
L96N 2150E	Soil	1.6	9.1	10.8	18	0.1	6.3	2.4	79	1.77	1.7	1.4	<0.5	1.0	4	0.1	0.1	0.7	27	0.02	0.025		
L96N 2200E	Soil	1.4	9.2	12.5	25	<0.1	7.8	3.5	141	2.37	2.5	1.2	0.6	1.3	4	0.3	0.2	1.0	30	0.02	0.025		
L96N 2250E	Soil	4.1	22.4	14.5	65	0.4	20.6	9.2	283	4.30	4.1	2.2	<0.5	1.8	6	0.5	0.3	1.5	50	0.04	0.042		
L96N 2300E	Soil	1.3	6.3	8.0	16	<0.1	5.1	1.6	62	2.39	2.2	0.8	<0.5	1.1	4	0.2	0.2	0.7	26	0.03	0.027		
L96N 2350E	Soil	1.3	10.9	10.0	40	0.2	12.0	4.6	144	2.74	3.1	1.2	<0.5	1.5	3	0.3	0.1	1.0	36	0.03	0.034		
L96N 2400E	Soil	1.1	14.0	12.5	44	0.2	15.2	6.2	179	2.33	2.4	1.6	<0.5	1.8	4	0.1	0.2	1.2	35	0.02	0.018		
L96N 2450E	Soil	1.5	8.9	10.1	36	0.1	10.2	3.7	135	2.65	2.2	1.5	<0.5	1.8	13	0.2	0.1	1.1	35	0.11	0.027		
L96N 2500E	Soil	1.7	8.3	10.8	25	<0.1	8.9	2.9	97	2.94	2.2	1.1	0.7	2.6	4	0.2	0.2	1.0	40	0.02	0.028		
L96N 2550E	Soil	1.8	6.0	11.5	22	<0.1	6.9	2.4	90	2.77	2.4	1.2	<0.5	2.1	4	0.2	0.1	1.2	43	0.02	0.027		
L96N 2600E	Soil	1.5	13.4	9.3	47	<0.1	16.8	6.1	177	2.77	2.5	1.7	<0.5	2.9	5	0.1	0.1	2.0	37	0.03	0.021		
L96N 2650E	Soil	1.5	10.9	13.8	39	0.1	12.0	6.5	167	2.60	2.6	1.6	<0.5	2.8	5	0.3	0.2	1.5	35	0.03	0.023		
L96N 2700E	Soil	1.4	6.9	10.7	18	0.1	4.7	1.7	60	1.90	1.3	1.7	<0.5	1.3	6	0.2	0.1	1.4	31	0.05	0.018		
L96N 2750E	Soil	1.6	6.0	6.5	20	<0.1	6.2	2.8	84	1.72	1.0	1.2	0.6	1.0	3	<0.1	<0.1	0.7	26	0.02	0.018		
L96N 2800E	Soil	1.5	10.4	12.6	37	<0.1	11.5	5.1	174	2.80	2.0	1.4	<0.5	6.2	5	0.2	0.2	1.6	38	0.03	0.016		
L96N 2850E	Soil	1.6	8.8	7.5	28	<0.1	9.2	3.9	92	1.80	1.5	1.2	<0.5	3.1	8	0.3	0.1	1.6	30	0.03	0.017		
L96N 2900E	Soil	0.9	7.3	7.3	24	<0.1	7.4	2.8	92	2.00	2.0	1.2	<0.5	2.6	4	0.2	0.1	1.1	24	0.04	0.028		
L96N 2950E	Soil	2.5	9.8	9.8	46	<0.1	14.0	5.9	259	2.23	1.5	2.1	0.6	2.6	8	<0.1	0.1	1.3	33	0.08	0.018		
L96N 3000E	Soil	1.4	15.6	13.0	39	<0.1	13.6	5.4	128	1.95	1.5	2.9	<0.5	1.4	6	0.4	<0.1	1.2	30	0.05	0.020		
L96N 3050E	Soil	1.6	10.3	9.3	44	<0.1	15.8	6.1	164	2.67	2.1	2.3	<0.5	2.4	9	0.2	<0.1	1.2	35	0.08	0.021		
L96N 3100E	Soil	1.2	15.1	10.4	45	0.1	17.5	7.1	176	2.50	1.8	3.0	<0.5	1.1	9	0.2	<0.1	1.2	33	0.10	0.045		
L96N 3150E	Soil	1.7	8.5	10.0	30	0.2	10.4	3.7	100	2.81	3.0	1.2	1.2	4.2	3	0.2	0.2	1.3	39	0.02	0.017		
L96N 3200E	Soil	1.5	16.6	12.3	50	0.1	16.3	6.2	136	2.27	4.2	4.6	1.1	3.6	6	0.1	0.1	1.3	29	0.04	0.021		

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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
L96N 1750E	Soil	6	5	0.04	14	0.056	<20	0.42	0.004	0.04	0.6	0.02	0.4	<0.1	<0.05	5	<0.5
L96N 1800E	Soil	7	23	0.29	43	0.098	<20	1.60	0.006	0.16	0.8	0.06	1.5	0.2	<0.05	7	0.5
L96N 1850E	Soil	4	6	0.05	24	0.018	<20	0.52	0.006	0.05	0.5	0.02	0.2	<0.1	0.07	3	<0.5
L96N 1900E	Soil	7	15	0.19	33	0.074	<20	1.08	0.004	0.10	1.2	0.03	0.8	0.1	<0.05	7	<0.5
L96N 1950E	Soil	4	8	0.07	18	0.016	<20	1.22	0.009	0.03	0.7	0.05	0.2	<0.1	0.11	4	<0.5
L96N 2000E	Soil	10	22	0.19	46	0.067	<20	2.14	0.006	0.14	1.4	0.10	1.5	0.1	0.06	7	<0.5
L96N 2050E	Soil	11	22	0.22	40	0.127	<20	1.50	0.006	0.15	1.4	0.03	1.6	0.1	<0.05	12	<0.5
L96N 2100E	Soil	12	26	0.31	53	0.128	<20	1.86	0.006	0.20	1.5	0.02	1.9	0.2	<0.05	9	<0.5
L96N 2150E	Soil	9	15	0.14	33	0.080	<20	1.44	0.006	0.09	1.1	0.05	1.0	0.1	<0.05	6	<0.5
L96N 2200E	Soil	8	17	0.15	34	0.090	<20	1.29	0.005	0.10	1.2	0.04	1.1	0.1	<0.05	7	<0.5
L96N 2250E	Soil	8	36	0.44	92	0.141	<20	2.96	0.009	0.32	2.6	0.10	2.8	0.3	0.05	13	<0.5
L96N 2300E	Soil	6	11	0.07	26	0.072	<20	0.72	0.004	0.05	1.1	0.06	0.6	<0.1	<0.05	7	<0.5
L96N 2350E	Soil	10	26	0.28	50	0.098	<20	2.29	0.005	0.19	2.1	0.07	1.8	0.2	<0.05	8	<0.5
L96N 2400E	Soil	13	27	0.38	69	0.120	<20	1.86	0.007	0.25	2.2	0.02	1.9	0.2	<0.05	8	<0.5
L96N 2450E	Soil	13	21	0.23	68	0.109	<20	1.23	0.007	0.17	1.9	0.02	1.3	0.1	<0.05	10	<0.5
L96N 2500E	Soil	12	21	0.19	42	0.105	<20	1.41	0.006	0.14	1.4	0.03	1.4	0.1	<0.05	9	0.7
L96N 2550E	Soil	13	18	0.15	34	0.106	<20	1.32	0.004	0.10	2.5	0.04	1.1	0.1	<0.05	10	<0.5
L96N 2600E	Soil	14	28	0.40	95	0.118	<20	2.02	0.008	0.31	2.6	0.04	2.4	0.2	<0.05	9	<0.5
L96N 2650E	Soil	11	22	0.25	53	0.107	<20	1.95	0.006	0.16	3.1	0.07	1.7	0.2	<0.05	9	0.6
L96N 2700E	Soil	14	12	0.08	25	0.065	<20	1.03	0.004	0.06	3.3	0.03	0.8	<0.1	<0.05	8	0.7
L96N 2750E	Soil	7	12	0.16	28	0.073	<20	1.02	0.008	0.08	1.7	0.04	0.8	<0.1	<0.05	6	0.7
L96N 2800E	Soil	15	21	0.20	51	0.118	<20	1.57	0.005	0.13	3.8	0.04	1.8	0.1	<0.05	8	0.7
L96N 2850E	Soil	12	16	0.18	36	0.100	<20	0.90	0.006	0.10	3.5	0.01	1.2	<0.1	<0.05	8	0.7
L96N 2900E	Soil	10	16	0.17	35	0.073	<20	1.43	0.005	0.10	2.8	0.03	1.2	0.1	<0.05	6	0.9
L96N 2950E	Soil	13	25	0.35	74	0.108	<20	1.60	0.007	0.22	2.8	0.02	1.9	0.2	<0.05	8	0.5
L96N 3000E	Soil	13	21	0.26	54	0.098	<20	1.43	0.005	0.15	1.6	0.03	1.4	0.1	<0.05	8	0.5
L96N 3050E	Soil	13	27	0.33	81	0.116	<20	1.85	0.006	0.20	2.3	0.03	2.0	0.2	<0.05	9	0.5
L96N 3100E	Soil	12	28	0.41	99	0.089	<20	2.01	0.010	0.30	5.0	0.07	1.9	0.2	<0.05	7	0.8
L96N 3150E	Soil	10	19	0.18	39	0.114	<20	1.42	0.005	0.09	3.0	0.04	1.4	0.1	<0.05	10	0.6
L96N 3200E	Soil	14	30	0.33	75	0.105	<20	2.37	0.008	0.18	4.4	0.05	2.5	0.2	<0.05	7	0.7

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Part 1

CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L94N 0700E	Soil	1.4	12.2	9.6	33	0.3	11.5	4.7	119	1.74	2.5	4.8	2.1	3.3	15	0.3	0.2	1.9	26	0.09	0.022		
L94N 0750E	Soil	1.1	9.6	8.5	40	0.1	14.0	5.3	128	2.07	2.2	1.1	<0.5	4.7	6	0.1	0.2	15.1	31	0.06	0.040		
L94N 0800E	Soil	1.3	8.6	10.4	44	0.1	13.2	5.2	90	2.51	3.3	1.4	<0.5	3.8	5	0.2	0.2	1.2	30	0.06	0.080		
L94N 0850E	Soil	0.9	4.7	12.0	12	<0.1	4.0	1.3	33	1.40	1.1	0.9	<0.5	3.6	5	0.1	0.1	1.2	25	0.03	0.032		
L94N 0900E	Soil	1.6	6.5	9.4	59	<0.1	11.3	4.7	100	2.64	3.4	1.1	<0.5	4.0	8	0.2	0.2	1.6	35	0.08	0.057		
L94N 0950E	Soil	1.7	8.8	10.3	53	0.1	12.8	6.0	168	2.43	2.8	6.9	1.1	2.8	10	0.5	0.2	1.3	32	0.10	0.052		
L94N 1000E	Soil	1.7	11.5	10.0	58	0.2	13.3	7.1	167	2.51	3.1	2.2	<0.5	3.1	8	0.4	0.2	1.8	33	0.07	0.042		
L94N 1050E	Soil	2.1	10.4	10.6	52	0.2	12.0	5.8	226	2.24	3.3	2.2	<0.5	2.3	8	0.3	0.3	2.0	31	0.08	0.036		
L94N 1100E	Soil	2.1	13.3	9.2	62	0.1	18.7	7.3	171	2.55	4.8	2.7	<0.5	5.2	6	0.3	0.4	3.1	32	0.05	0.027		
L94N 1150E	Soil	3.9	18.4	19.9	124	1.2	23.6	11.6	261	3.22	9.7	9.0	0.5	3.1	17	0.8	0.9	6.9	39	0.16	0.037		
L94N 1200E	Soil	2.1	16.8	11.9	58	0.2	21.0	7.4	212	2.77	4.3	2.7	<0.5	3.3	5	0.2	0.3	2.0	38	0.03	0.030		
L94N 1250E	Soil	2.5	18.5	9.3	58	0.1	16.2	4.8	123	2.23	6.8	2.9	<0.5	2.9	4	0.4	0.5	3.2	28	0.04	0.045		
L94N 1300E	Soil	10.9	19.8	12.2	34	0.5	5.2	2.6	69	1.54	1.5	13.1	0.7	0.6	4	1.7	0.2	6.7	24	0.03	0.032		
L94N 1350E	Soil	2.3	4.6	8.6	16	<0.1	3.4	1.3	161	1.34	1.7	1.2	<0.5	1.6	4	0.2	0.1	2.6	24	0.04	0.045		
L94N 1400E	Soil	1.8	3.3	6.3	9	<0.1	1.8	0.6	50	0.52	0.9	0.8	<0.5	1.5	3	<0.1	0.2	2.1	12	0.02	0.017		
L94N 1450E	Soil	5.0	10.0	18.1	20	<0.1	4.5	1.7	77	1.81	2.5	3.4	<0.5	0.4	3	0.2	0.3	1.4	24	0.02	0.038		
L94N 1500E	Soil	2.3	7.4	12.9	18	0.2	4.0	1.6	82	1.89	1.9	1.8	<0.5	1.2	5	0.4	0.2	1.6	30	0.03	0.026		
L94N 1550E	Soil	2.3	19.9	10.5	59	0.4	18.6	7.9	325	2.11	5.4	20.0	<0.5	1.1	14	0.2	0.3	2.6	28	0.11	0.033		
L94N 1600E	Soil	0.6	8.1	7.0	39	0.1	11.2	4.6	168	1.47	1.4	1.4	<0.5	2.8	4	0.1	<0.1	1.1	21	0.03	0.020		
L94N 1650E	Soil	0.8	14.0	9.0	59	<0.1	20.3	8.3	316	2.58	2.7	1.5	<0.5	4.2	5	0.1	0.2	1.2	34	0.04	0.029		
L94N 1700E	Soil	1.5	20.6	11.1	35	0.4	11.9	4.3	152	2.24	2.4	5.4	1.0	0.8	3	0.1	0.2	1.3	28	0.02	0.047		
L94N 1750E	Soil	1.2	13.2	8.7	46	0.1	19.3	6.9	226	2.95	2.7	1.2	<0.5	2.5	3	<0.1	0.2	1.0	36	0.02	0.023		
L94N 1800E	Soil	1.4	8.7	8.3	41	0.1	9.8	4.1	168	2.41	2.3	1.5	<0.5	1.4	3	0.1	0.2	0.8	31	0.02	0.033		
L94N 1850E	Soil	2.5	13.8	12.4	39	0.1	15.1	5.3	173	3.47	5.6	2.0	<0.5	1.6	5	0.1	0.3	1.8	48	0.03	0.035		
L94N 1900E	Soil	1.4	13.6	10.3	39	0.1	16.7	6.1	191	2.94	3.3	2.1	1.4	2.7	3	0.1	0.2	1.3	38	0.02	0.016		
L94N 1950E	Soil	1.5	9.2	11.1	33	0.2	11.2	3.9	130	2.79	2.8	1.0	<0.5	2.8	3	0.1	0.2	1.0	39	0.02	0.024		
L94N 2000E	Soil	1.3	10.0	11.2	34	0.1	11.2	4.2	144	2.90	2.7	1.3	<0.5	3.3	3	0.1	0.2	1.2	42	0.02	0.026		
L94N 2050E	Soil	2.6	15.6	12.8	29	0.3	11.3	3.8	162	3.45	4.6	3.4	<0.5	3.5	3	0.5	0.1	1.1	35	0.04	0.076		
L94N 2100E	Soil	3.1	11.0	16.7	29	0.1	11.7	3.8	148	2.91	4.2	1.5	<0.5	0.7	5	0.2	0.2	2.4	50	0.03	0.044		
L94N 2150E	Soil	0.8	12.8	9.4	33	0.1	14.4	5.1	127	1.98	3.1	1.1	0.5	3.3	4	0.2	0.1	0.8	22	0.03	0.030		

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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX TI	1DX S	1DX Ga	1DX Se
				ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.5
L94N 0700E	Soil			22	19	0.21	83	0.071	<20	1.35	0.008	0.20	2.2	0.03	1.9	0.1	<0.05	6	<0.5
L94N 0750E	Soil			13	23	0.28	96	0.100	<20	1.56	0.009	0.20	1.4	0.02	1.9	0.2	<0.05	6	0.5
L94N 0800E	Soil			11	26	0.19	53	0.077	<20	2.74	0.005	0.11	2.1	0.07	2.0	0.1	<0.05	6	<0.5
L94N 0850E	Soil			15	10	0.04	45	0.046	<20	0.75	0.004	0.04	0.8	0.03	0.6	<0.1	<0.05	6	<0.5
L94N 0900E	Soil			10	21	0.19	47	0.096	<20	1.37	0.005	0.11	1.7	0.02	1.5	0.1	<0.05	8	0.5
L94N 0950E	Soil			21	21	0.22	60	0.088	<20	1.80	0.006	0.13	3.5	0.04	2.0	0.2	<0.05	7	0.8
L94N 1000E	Soil			15	22	0.26	65	0.106	<20	1.38	0.006	0.16	3.8	0.03	1.7	0.1	<0.05	8	<0.5
L94N 1050E	Soil			12	17	0.22	66	0.091	<20	1.33	0.007	0.14	3.7	0.03	1.5	0.1	<0.05	8	0.6
L94N 1100E	Soil			13	27	0.37	86	0.117	<20	1.69	0.007	0.23	15.1	0.02	2.5	0.2	<0.05	7	0.7
L94N 1150E	Soil			16	33	0.30	148	0.121	<20	3.07	0.008	0.22	5.7	0.08	2.5	0.2	<0.05	8	<0.5
L94N 1200E	Soil			11	31	0.42	93	0.142	<20	2.20	0.007	0.33	9.0	0.04	2.7	0.2	<0.05	7	<0.5
L94N 1250E	Soil			10	20	0.29	48	0.074	<20	1.81	0.006	0.14	6.6	0.05	1.7	0.1	0.06	5	<0.5
L94N 1300E	Soil			8	11	0.08	19	0.045	<20	1.26	0.006	0.05	2.4	0.06	0.7	<0.1	<0.05	6	0.9
L94N 1350E	Soil			7	9	0.06	26	0.052	<20	0.74	0.005	0.04	0.8	0.03	0.5	<0.1	<0.05	7	<0.5
L94N 1400E	Soil			7	3	0.03	15	0.035	<20	0.33	0.004	0.02	0.1	<0.01	0.2	<0.1	<0.05	4	<0.5
L94N 1450E	Soil			6	9	0.07	18	0.033	<20	1.11	0.005	0.03	0.7	0.05	0.4	<0.1	<0.05	5	<0.5
L94N 1500E	Soil			9	12	0.07	24	0.077	<20	2.03	0.005	0.05	1.1	0.05	0.8	<0.1	0.08	10	0.6
L94N 1550E	Soil			21	33	0.38	100	0.098	<20	1.89	0.009	0.33	1.2	0.02	2.0	0.2	0.05	5	0.7
L94N 1600E	Soil			11	18	0.31	83	0.077	<20	1.81	0.013	0.22	1.5	0.03	1.9	0.2	<0.05	4	<0.5
L94N 1650E	Soil			12	32	0.45	110	0.140	<20	2.26	0.012	0.42	2.0	0.03	2.7	0.2	<0.05	6	<0.5
L94N 1700E	Soil			9	29	0.33	55	0.097	<20	2.86	0.007	0.21	1.5	0.11	1.7	0.3	0.09	7	0.7
L94N 1750E	Soil			10	33	0.49	93	0.152	<20	2.11	0.010	0.44	2.0	0.03	2.4	0.3	<0.05	6	<0.5
L94N 1800E	Soil			10	23	0.28	39	0.098	<20	2.12	0.005	0.14	1.6	0.07	1.4	0.2	<0.05	7	0.8
L94N 1850E	Soil			8	28	0.33	50	0.149	<20	1.76	0.006	0.18	4.3	0.03	1.8	0.2	<0.05	11	0.5
L94N 1900E	Soil			12	29	0.41	71	0.153	<20	2.10	0.007	0.33	2.7	0.04	2.3	0.3	<0.05	8	0.6
L94N 1950E	Soil			9	24	0.32	54	0.127	<20	2.03	0.006	0.19	1.5	0.06	1.8	0.2	0.05	8	0.6
L94N 2000E	Soil			11	25	0.27	51	0.142	<20	1.95	0.005	0.18	2.3	0.05	1.8	0.2	<0.05	9	<0.5
L94N 2050E	Soil			8	28	0.21	36	0.096	<20	3.91	0.005	0.10	3.8	0.14	2.2	0.1	0.09	7	1.1
L94N 2100E	Soil			6	21	0.23	40	0.164	<20	1.29	0.005	0.15	4.8	0.05	1.0	0.1	<0.05	12	<0.5
L94N 2150E	Soil			7	27	0.32	54	0.089	<20	3.04	0.007	0.19	2.9	0.08	2.4	0.2	0.06	4	<0.5

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Project: FOX

Report Date: October 29, 2008

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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX Mo	1DX Cu	1DX Pb	1DX Zn	1DX Ag	1DX Ni	1DX Co	1DX Mn	1DX Fe	1DX As	1DX U	1DX Au	1DX Th	1DX Sr	1DX Cd	1DX Sb	1DX Bi	1DX V	1DX Ca	1DX P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
L94N 2200E	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
L94N 2250E	Soil			1.0	15.4	10.4	40	0.1	18.3	6.3	183	2.70	2.6	1.6	<0.5	2.7	5	0.2	0.2	1.1	33	0.02	0.018
L94N 2300E	Soil			1.1	7.6	9.4	23	0.1	8.5	2.8	92	1.94	2.0	1.0	0.7	2.3	3	0.2	0.2	0.8	27	0.02	0.025
L94N 2350E	Soil			1.5	9.8	10.6	30	<0.1	11.4	4.1	131	3.30	3.3	1.0	0.7	3.3	3	0.1	0.2	1.5	40	0.02	0.019
L94N 2400E	Soil			1.0	11.8	11.3	33	<0.1	11.4	4.1	124	2.22	2.5	2.6	<0.5	1.6	3	0.1	0.2	2.1	26	0.02	0.020
L94N 2450E	Soil			1.7	14.1	10.0	56	0.1	20.2	7.9	246	2.95	2.5	2.3	<0.5	3.8	4	<0.1	0.2	1.9	37	0.02	0.015
L94N 2500E	Soil			1.4	11.5	7.5	39	<0.1	16.3	5.9	176	2.59	2.5	2.5	2.6	3.4	4	0.1	0.2	1.6	35	0.02	0.017
L94N 2550E	Soil			1.2	10.7	7.9	38	<0.1	11.1	4.5	181	2.04	2.0	1.5	<0.5	2.6	3	0.1	0.2	1.4	27	0.02	0.022
L94N 2600E	Soil			1.3	11.2	7.9	45	<0.1	17.1	5.8	193	2.23	2.0	4.2	<0.5	2.0	4	<0.1	0.1	1.5	31	0.03	0.018
L94N 2650E	Soil			1.3	13.6	10.1	53	<0.1	19.6	7.0	216	2.79	2.0	2.1	<0.5	2.3	5	<0.1	0.1	1.5	37	0.03	0.019
L94N 2700E	Soil			1.4	14.7	9.6	49	<0.1	17.1	6.9	221	2.84	2.4	2.0	<0.5	2.9	4	0.2	0.1	1.4	32	0.02	0.018
L94N 2750E	Soil			1.2	8.1	9.9	29	<0.1	9.4	3.1	106	2.67	2.4	1.5	<0.5	2.8	3	0.2	0.1	1.0	32	0.02	0.027
L94N 2800E	Soil			1.8	8.0	10.5	31	0.2	9.1	3.3	117	2.43	2.4	1.4	0.6	2.3	3	0.2	0.1	1.0	35	0.02	0.022
L94N 2850E	Soil			2.4	7.0	13.6	40	<0.1	13.8	4.6	146	2.19	1.8	2.0	<0.5	2.0	4	<0.1	<0.1	1.7	40	0.02	0.014
L94N 2900E	Soil			2.1	8.1	11.3	23	0.2	5.9	2.6	74	2.05	2.5	4.7	0.6	4.7	3	0.2	0.1	1.2	21	0.03	0.022
L94N 2950E	Soil			2.9	7.1	11.9	32	<0.1	10.9	4.4	148	1.97	2.0	1.7	<0.5	2.1	7	<0.1	0.1	1.1	32	0.07	0.016
L94N 3000E	Soil			1.5	7.9	11.6	14	0.2	4.6	1.9	82	1.22	1.2	3.7	<0.5	0.8	5	0.2	0.1	0.8	18	0.05	0.025
L94N 3050E	Soil			1.6	9.0	14.7	28	0.2	6.4	2.5	163	2.05	1.7	1.8	1.0	0.5	8	0.2	0.1	1.4	25	0.07	0.032
L94N 3100E	Soil			0.9	8.7	7.1	44	0.1	13.2	6.4	306	2.01	2.6	2.7	0.5	1.3	11	0.1	<0.1	1.2	22	0.12	0.029
L94N 3150E	Soil			1.1	8.4	8.7	34	0.1	8.1	3.3	90	2.37	2.2	1.5	<0.5	1.9	9	0.6	0.1	1.6	23	0.09	0.023
L94N 3200E	Soil			0.9	6.7	8.2	28	<0.1	9.1	3.5	103	2.42	6.0	1.9	<0.5	3.6	5	0.2	<0.1	1.0	24	0.04	0.019



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Project: FOX

Report Date: October 29, 2008

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# CERTIFICATE OF ANALYSIS

VAN08010131.1

Method	Analyte	Unit	MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	
L94N 2200E	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
L94N 2250E	Soil			11	32	0.39	81	0.128	<20	2.32	0.007	0.32	2.7	0.06	2.6	0.3	<0.05	6	<0.5
L94N 2300E	Soil			9	19	0.18	36	0.089	<20	1.86	0.006	0.09	2.3	0.05	1.2	0.1	0.07	6	<0.5
L94N 2350E	Soil			9	25	0.29	48	0.126	<20	1.79	0.006	0.18	2.5	0.04	1.8	0.2	<0.05	9	<0.5
L94N 2400E	Soil			11	22	0.27	42	0.085	<20	1.89	0.006	0.14	2.4	0.05	1.7	0.2	<0.05	6	0.7
L94N 2450E	Soil			13	34	0.47	94	0.151	<20	2.44	0.008	0.41	3.4	0.03	2.9	0.3	<0.05	8	0.5
L94N 2500E	Soil			14	25	0.36	66	0.138	<20	1.61	0.006	0.26	3.2	0.01	2.2	0.2	0.05	7	<0.5
L94N 2550E	Soil			10	21	0.24	57	0.093	<20	2.22	0.006	0.15	3.9	0.05	1.7	0.1	<0.05	6	0.6
L94N 2600E	Soil			12	28	0.41	83	0.124	<20	1.87	0.007	0.37	10.7	0.03	2.2	0.3	<0.05	7	<0.5
L94N 2650E	Soil			12	34	0.51	105	0.148	<20	2.30	0.009	0.47	3.1	0.05	2.8	0.4	0.07	9	<0.5
L94N 2700E	Soil			13	28	0.37	94	0.117	<20	1.87	0.007	0.32	2.5	0.03	2.3	0.2	<0.05	8	<0.5
L94N 2750E	Soil			12	18	0.22	47	0.085	<20	1.87	0.006	0.12	1.4	0.06	1.4	0.1	<0.05	8	0.5
L94N 2800E	Soil			12	20	0.23	44	0.104	<20	1.76	0.006	0.14	1.9	0.04	1.4	0.1	<0.05	8	<0.5
L94N 2850E	Soil			13	29	0.39	69	0.150	<20	2.19	0.007	0.27	0.6	0.03	2.1	0.2	<0.05	9	<0.5
L94N 2900E	Soil			14	18	0.13	33	0.065	<20	2.95	0.005	0.08	3.0	0.10	1.9	0.1	0.06	6	0.6
L94N 2950E	Soil			12	18	0.29	41	0.107	<20	1.32	0.007	0.13	1.1	0.02	1.2	0.1	<0.05	7	<0.5
L94N 3000E	Soil			14	11	0.07	28	0.045	<20	1.45	0.007	0.05	1.9	0.06	0.7	<0.1	0.05	5	<0.5
L94N 3050E	Soil			8	14	0.10	39	0.060	<20	1.34	0.004	0.07	1.7	0.06	0.8	<0.1	<0.05	9	<0.5
L94N 3100E	Soil			15	21	0.28	80	0.080	<20	1.43	0.007	0.21	1.2	0.03	1.7	0.1	<0.05	6	<0.5
L94N 3150E	Soil			10	18	0.16	60	0.087	<20	1.32	0.006	0.10	10.1	0.04	1.4	<0.1	<0.05	8	<0.5
L94N 3200E	Soil			15	20	0.22	70	0.097	<20	1.78	0.005	0.14	1.3	0.03	1.9	0.1	<0.05	7	0.8

**QUALITY CONTROL REPORT**

**VAN08010131.1**

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
L104N 0400E	Soil	3.6	60.7	29.1	46	0.3	16.1	6.3	107	2.30	2.1	3.4	4.1	0.3	5	0.4	0.2	2.1	25	0.06	0.045
REP L104N 0400E	QC	3.3	57.7	27.9	42	0.4	15.2	5.9	105	2.12	2.0	3.4	<0.5	0.3	5	0.3	0.2	2.0	24	0.05	0.041
L104N 2100E	Soil	1.8	15.0	12.1	34	0.2	9.5	5.3	222	1.87	2.3	1.8	<0.5	0.1	4	0.3	0.2	1.2	30	0.03	0.047
REP L104N 2100E	QC	1.9	15.4	12.5	34	0.3	10.4	5.3	231	1.88	2.2	1.8	<0.5	0.1	4	0.3	0.2	1.2	31	0.03	0.050
L104N 2800E	Soil	2.5	16.2	11.5	63	0.1	19.0	9.2	282	3.25	3.2	3.5	<0.5	0.8	5	0.2	0.2	1.3	41	0.04	0.036
REP L104N 2800E	QC	2.4	16.7	11.8	65	0.1	19.6	9.3	293	3.35	3.2	3.6	<0.5	0.8	5	0.3	0.2	1.3	42	0.05	0.038
L102N 1300E	Soil	2.5	8.1	10.5	30	0.2	7.3	3.0	164	2.76	2.8	1.5	<0.5	1.8	4	0.2	0.4	4.2	33	0.03	0.027
REP L102N 1300E	QC	2.3	8.5	10.5	29	0.2	7.2	2.9	160	2.64	2.5	1.4	1.9	1.7	3	0.2	0.4	4.2	32	0.03	0.028
L100N 0850E	Soil	4.6	10.8	11.2	77	<0.1	11.1	4.3	87	2.49	4.9	3.8	<0.5	3.6	4	0.4	0.7	2.6	34	0.04	0.052
REP L100N 0850E	QC	4.6	10.9	11.5	78	<0.1	10.7	4.0	88	2.46	4.5	3.7	0.7	3.4	4	0.5	0.8	2.6	33	0.04	0.052
L100N 2200E	Soil	2.4	30.6	12.2	83	<0.1	37.1	14.3	389	3.76	4.8	4.8	<0.5	2.1	7	0.1	0.2	1.8	51	0.06	0.033
REP L100N 2200E	QC	2.3	31.7	12.6	81	<0.1	36.7	15.2	398	3.85	4.6	5.0	<0.5	2.2	7	0.2	0.2	1.8	51	0.06	0.032
L98N 2350E	Soil	1.0	8.8	7.1	35	<0.1	11.3	4.0	111	2.29	2.3	1.0	<0.5	1.2	3	0.2	0.2	0.6	31	0.02	0.029
REP L98N 2350E	QC	0.9	8.7	7.1	37	<0.1	11.0	4.2	115	2.35	2.7	1.0	<0.5	1.5	3	0.2	0.2	0.7	32	0.02	0.031
L96N 1450E	Soil	1.4	8.2	10.4	29	0.2	9.3	3.4	151	2.41	2.6	0.7	<0.5	2.6	5	0.1	0.2	1.2	39	0.03	0.023
REP L96N 1450E	QC	1.4	9.8	10.8	31	0.2	10.7	3.9	156	2.43	2.5	0.9	<0.5	3.0	5	0.2	0.2	1.2	39	0.04	0.023
L96N 2350E	Soil	1.3	10.9	10.0	40	0.2	12.0	4.6	144	2.74	3.1	1.2	<0.5	1.5	3	0.3	0.1	1.0	36	0.03	0.034
REP L96N 2350E	QC	1.3	10.6	10.1	39	0.2	12.8	4.5	144	2.76	2.9	1.4	8.2	1.7	4	0.2	0.2	0.9	36	0.03	0.033
L94N 2000E	Soil	1.3	10.0	11.2	34	0.1	11.2	4.2	144	2.90	2.7	1.3	<0.5	3.3	3	0.1	0.2	1.2	42	0.02	0.026
REP L94N 2000E	QC	1.2	10.5	11.5	35	0.1	11.1	4.1	148	2.96	3.1	1.4	<0.5	3.6	3	0.1	0.2	1.2	41	0.02	0.028
L94N 3200E	Soil	0.9	6.7	8.2	28	<0.1	9.1	3.5	103	2.42	6.0	1.9	<0.5	3.6	5	0.2	<0.1	1.0	24	0.04	0.019
REP L94N 3200E	QC	1.0	8.5	8.2	26	<0.1	9.4	3.5	104	2.39	5.8	1.8	<0.5	3.5	6	0.2	<0.1	0.9	24	0.05	0.019
Reference Materials																					
STD DS7	Standard	18.8	107.5	67.1	377	0.8	55.6	9.2	562	2.14	47.2	4.5	62.6	3.6	54	5.9	4.9	4.0	80	0.80	0.072
STD DS7	Standard	21.0	116.4	67.9	388	0.9	53.9	9.2	556	2.12	49.4	4.7	58.3	3.9	53	6.0	5.0	4.2	81	0.79	0.072
STD DS7	Standard	19.5	106.9	66.8	370	0.8	54.7	9.1	559	2.17	46.4	4.6	61.1	3.7	55	5.9	4.7	4.1	80	0.83	0.073
STD DS7	Standard	19.1	103.0	66.1	379	0.8	52.8	9.2	548	2.14	48.0	4.5	57.1	3.8	55	6.2	5.1	4.2	81	0.81	0.072
STD DS7	Standard	18.3	100.3	66.2	381	0.8	50.1	8.6	539	2.10	48.3	4.6	58.2	3.6	55	5.8	5.1	4.1	81	0.80	0.073

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Pulp Duplicates																	
L104N 0400E	Soil	8	22	0.25	50	0.087	<20	2.06	0.013	0.14	1.1	0.10	1.1	0.2	0.06	12	1.0
REP L104N 0400E	QC	7	21	0.23	48	0.082	<20	1.93	0.014	0.13	1.0	0.08	1.1	0.2	0.08	10	<0.5
L104N 2100E	Soil	7	19	0.20	46	0.065	<20	1.33	0.005	0.14	2.5	0.04	0.6	0.1	<0.05	6	0.7
REP L104N 2100E	QC	8	19	0.20	46	0.066	<20	1.38	0.006	0.14	2.7	0.04	0.7	0.1	<0.05	6	0.7
L104N 2800E	Soil	10	36	0.50	67	0.137	<20	2.18	0.008	0.25	4.8	0.06	2.0	0.2	<0.05	9	0.5
REP L104N 2800E	QC	10	36	0.49	68	0.141	<20	2.22	0.006	0.25	3.9	0.06	2.1	0.2	<0.05	9	0.5
L102N 1300E	Soil	8	17	0.18	42	0.096	<20	1.64	0.005	0.13	6.0	0.05	1.2	0.2	<0.05	9	0.6
REP L102N 1300E	QC	8	17	0.19	41	0.095	<20	1.60	0.005	0.13	3.7	0.05	1.2	0.1	<0.05	9	<0.5
L100N 0850E	Soil	9	21	0.20	38	0.077	<20	2.35	0.004	0.08	7.4	0.06	1.8	<0.1	<0.05	7	<0.5
REP L100N 0850E	QC	9	21	0.19	37	0.078	<20	2.31	0.003	0.08	6.0	0.04	1.8	0.1	<0.05	7	0.6
L100N 2200E	Soil	14	55	0.85	167	0.184	<20	3.14	0.012	0.69	2.4	0.03	4.0	0.5	<0.05	10	<0.5
REP L100N 2200E	QC	14	56	0.85	174	0.191	<20	3.30	0.012	0.70	6.1	0.04	4.2	0.5	<0.05	10	<0.5
L98N 2350E	Soil	8	22	0.27	43	0.090	<20	1.40	0.006	0.20	1.3	0.03	1.3	0.1	<0.05	6	<0.5
REP L98N 2350E	QC	9	21	0.27	43	0.090	<20	1.42	0.005	0.20	1.3	0.04	1.3	0.1	<0.05	6	<0.5
L96N 1450E	Soil	7	18	0.19	42	0.134	<20	1.14	0.004	0.12	1.8	0.03	1.3	0.1	0.08	7	<0.5
REP L96N 1450E	QC	9	20	0.19	43	0.131	<20	1.16	0.005	0.13	1.3	0.03	1.4	0.1	<0.05	7	<0.5
L96N 2350E	Soil	10	26	0.28	50	0.098	<20	2.29	0.005	0.19	2.1	0.07	1.8	0.2	<0.05	8	<0.5
REP L96N 2350E	QC	12	27	0.29	51	0.096	<20	2.25	0.006	0.19	1.8	0.06	1.9	0.2	<0.05	7	<0.5
L94N 2000E	Soil	11	25	0.27	51	0.142	<20	1.95	0.005	0.18	2.3	0.05	1.8	0.2	<0.05	9	<0.5
REP L94N 2000E	QC	11	25	0.29	52	0.142	<20	2.14	0.006	0.17	2.7	0.05	1.8	0.2	<0.05	9	<0.5
L94N 3200E	Soil	15	20	0.22	70	0.097	<20	1.78	0.005	0.14	1.3	0.03	1.9	0.1	<0.05	7	0.8
REP L94N 3200E	QC	15	19	0.21	65	0.096	<20	1.76	0.005	0.14	1.6	0.03	1.8	0.1	<0.05	7	0.8
Reference Materials																	
STD DS7	Standard	10	154	0.93	337	0.094	29	0.83	0.070	0.38	3.7	0.18	2.2	4.3	0.19	4	3.8
STD DS7	Standard	10	155	0.92	343	0.094	35	0.86	0.068	0.38	3.7	0.20	2.1	4.1	0.21	4	3.9
STD DS7	Standard	10	156	0.95	342	0.095	33	0.88	0.072	0.38	3.6	0.20	2.1	4.0	0.20	4	3.4
STD DS7	Standard	10	153	0.92	344	0.095	35	0.85	0.068	0.38	3.5	0.20	2.1	4.1	0.19	4	3.7
STD DS7	Standard	10	153	0.92	340	0.091	29	0.86	0.072	0.37	3.6	0.20	2.2	4.0	0.22	4	3.2

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		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
STD DS7	Standard	18.8	101.6	67.0	373	0.8	52.4	8.8	554	2.17	47.7	4.8	56.9	3.9	57	5.9	4.8	4.2	80	0.83	0.072
STD DS7	Standard	18.7	100.5	70.6	373	0.7	53.1	8.4	527	2.07	44.2	4.3	57.5	3.7	64	5.3	5.1	4.1	76	0.80	0.067
STD DS7	Standard	18.4	104.8	72.0	362	0.9	54.7	8.9	558	2.12	48.9	4.7	53.4	4.0	65	5.4	5.4	4.2	81	0.83	0.071
STD DS7	Standard	18.7	101.4	71.6	387	0.9	55.9	9.2	556	2.12	46.6	4.6	52.9	4.1	66	5.6	5.3	4.2	82	0.80	0.070
STD DS7	Standard	19.3	104.2	70.6	377	0.8	54.4	8.8	555	2.11	45.8	4.6	63.5	4.1	66	5.6	4.9	4.2	79	0.81	0.073
STD DS7	Standard	18.6	108.5	67.4	388	0.8	52.9	9.3	567	2.19	47.3	4.7	70.7	3.7	59	5.9	4.9	4.2	78	0.82	0.072
STD DS7	Standard	19.3	105.9	70.0	383	0.7	53.6	9.2	557	2.19	47.7	4.5	51.5	3.9	58	5.7	5.0	4.2	79	0.83	0.072
STD DS7	Standard	20.4	119.3	75.4	403	0.9	59.8	9.8	595	2.31	48.5	4.9	75.3	4.1	63	6.3	5.5	4.5	84	0.87	0.076
STD DS7	Standard	20.7	111.4	72.5	398	1.1	56.8	9.7	579	2.25	48.1	4.7	75.4	4.1	63	6.2	5.4	4.4	84	0.88	0.074
STD DS7	Standard	20.1	104.7	67.5	396	0.8	56.5	9.6	606	2.29	47.0	4.5	62.1	4.0	68	5.6	4.9	4.0	90	0.91	0.075
STD DS7	Standard	22.1	108.9	71.4	423	0.8	63.6	9.9	619	2.31	53.1	4.5	64.9	3.8	69	5.5	4.8	4.4	87	0.92	0.083
STD DS7	Standard	19.0	100.7	63.4	380	0.8	53.5	9.0	582	2.25	50.7	4.0	55.2	3.8	56	5.9	5.1	4.0	82	0.87	0.076
STD DS7	Standard	19.1	100.9	65.7	379	0.8	54.0	9.0	594	2.32	51.1	4.3	69.0	3.6	58	6.4	5.2	4.2	83	0.88	0.079
STD DS7	Standard	19.2	106.6	67.7	387	0.9	52.7	9.1	563	2.15	48.0	4.4	55.6	3.4	58	6.3	5.5	4.3	81	0.83	0.076
STD DS7	Standard	19.3	111.4	66.4	396	0.8	54.8	9.4	581	2.23	53.3	4.6	63.9	3.9	58	6.5	5.5	4.4	81	0.85	0.077
STD DS7	Standard	17.9	91.7	63.6	366	0.7	50.0	8.1	565	2.10	45.9	4.2	60.7	3.3	65	5.8	5.0	4.0	77	0.88	0.073
STD DS7	Standard	19.5	102.5	69.2	400	0.9	52.9	9.1	601	2.37	47.9	4.9	107.8	3.5	71	5.9	5.4	4.3	81	0.95	0.081
STD DS7	Standard	18.2	105.9	65.3	396	0.8	51.0	8.6	574	2.21	50.3	5.3	55.9	4.1	65	6.1	4.3	4.7	78	0.90	0.074
STD DS7	Standard	17.6	105.2	67.5	386	0.9	51.6	8.6	583	2.23	46.4	4.7	49.1	4.2	66	5.9	4.6	4.6	79	0.88	0.074
STD DS7 Expected		20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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		1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
STD DS7	Standard	11	154	0.95	355	0.097	31	0.87	0.071	0.38	3.5	0.20	2.2	4.1	0.22	4	3.5
STD DS7	Standard	10	152	0.91	330	0.106	30	0.83	0.082	0.40	3.3	0.18	2.0	4.0	0.21	4	2.9
STD DS7	Standard	10	161	0.99	341	0.104	37	0.84	0.081	0.42	3.3	0.19	2.1	4.0	0.27	4	3.6
STD DS7	Standard	10	159	0.94	346	0.108	37	0.91	0.076	0.39	3.8	0.18	2.0	4.0	0.22	4	3.8
STD DS7	Standard	11	155	0.96	344	0.109	38	0.92	0.076	0.39	3.5	0.18	2.1	4.0	0.27	4	3.0
STD DS7	Standard	10	155	0.96	351	0.097	38	0.87	0.075	0.38	3.6	0.21	2.1	4.2	0.22	4	4.1
STD DS7	Standard	11	155	0.95	347	0.095	35	0.84	0.075	0.37	3.7	0.18	2.1	4.1	0.20	4	2.9
STD DS7	Standard	12	166	0.99	369	0.104	32	0.90	0.077	0.39	3.5	0.23	2.3	4.3	0.24	4	3.5
STD DS7	Standard	11	163	0.97	359	0.105	35	0.91	0.078	0.40	3.9	0.21	2.1	4.3	0.20	4	3.8
STD DS7	Standard	11	170	1.02	369	0.102	42	0.94	0.089	0.45	3.5	0.19	2.0	4.3	0.21	5	3.3
STD DS7	Standard	11	172	1.12	366	0.105	42	1.04	0.092	0.46	3.5	0.19	2.1	4.7	0.21	5	4.5
STD DS7	Standard	10	155	0.95	371	0.090	37	0.92	0.076	0.41	3.8	0.18	1.9	4.2	0.21	4	4.1
STD DS7	Standard	11	161	1.00	379	0.095	41	0.95	0.081	0.41	4.2	0.20	2.0	4.2	0.19	4	3.5
STD DS7	Standard	10	148	0.97	370	0.092	35	0.86	0.073	0.39	4.2	0.20	2.0	4.5	0.21	4	3.5
STD DS7	Standard	10	153	0.97	365	0.093	42	0.86	0.073	0.41	4.0	0.20	2.0	4.3	0.22	4	3.1
STD DS7	Standard	11	146	0.94	354	0.092	40	0.90	0.080	0.39	3.4	0.17	2.0	4.1	0.17	4	2.9
STD DS7	Standard	11	167	1.07	364	0.104	47	0.97	0.093	0.46	3.6	0.21	2.1	4.5	0.20	4	3.6
STD DS7	Standard	10	153	0.96	377	0.105	26	0.90	0.078	0.41	3.5	0.20	2.6	4.0	0.17	4	3.3
STD DS7	Standard	11	156	0.98	401	0.108	35	0.90	0.078	0.40	3.5	0.20	2.5	4.2	0.16	4	3.1
STD DS7 Expected		13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

**Client:** Happy Creek Minerals Ltd.

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

**Project:** FOX

**Report Date:** October 29, 2008

**Page:** 3 of 3 **Part** 1

**QUALITY CONTROL REPORT**

**VAN08010131.1**

		1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX U ppm 0.1	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

QUALITY CONTROL REPORT

VAN08010131.1

		1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Tl ppm	1DX S %	1DX Ga ppm	1DX Se ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



ACME ANALYTICAL LABORATORIES LTD.

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Client:

**Happy Creek Minerals Ltd.**

Suite 2300 - 1066 W. Hastings St.

Vancouver BC V6E 3X2 Canada

Submitted By:

David Blann

Receiving Lab:

Canada-Vancouver

Received:

September 26, 2008

Report Date:

October 16, 2008

Page:

1 of 2

## CERTIFICATE OF ANALYSIS

VAN08009762.1

### CLIENT JOB INFORMATION

Project: FOX  
Shipment ID:  
P.O. Number  
Number of Samples: 23

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 90 days

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

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

CC: Bob Lane  
D. Ridley  
Mark Ralph

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	23	Crush, split and pulverize rock to 200 mesh		
1DX	23	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
7KP	15	Phosphoric acid leach, ICP-ES analysis	0.5	Completed
DIS-RJT	23	Warehouse handling / Disposition of reject		

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Happy Creek Minerals Ltd.**

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Project: FOX

Report Date: October 16, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN08009762.1

Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
493390	Rock	1.32	0.3	45.3	89.1	203	0.2	61.6	19.2	285	2.96	<0.5	0.3	0.9	1.2	557	0.6	<0.1	<0.1	31	6.59
493391	Rock	1.27	0.3	14.7	42.8	70	<0.1	6.2	5.2	313	0.99	0.6	<0.1	2.0	0.1	483	0.3	<0.1	<0.1	5	10.88
493392	Rock	1.60	0.2	8.2	34.8	48	<0.1	1.9	1.1	390	0.96	<0.5	0.1	5.0	<0.1	1751	0.2	<0.1	1.2	8	6.20
493393	Rock	1.21	0.1	31.5	31.1	43	0.2	5.4	4.2	53	1.50	2.9	0.4	3.4	3.1	14	0.2	0.7	<0.1	<2	0.25
493394	Rock	1.46	1973	2.5	35.0	39	1.4	0.6	0.1	39	0.30	0.6	0.8	30.5	0.5	6	0.7	0.9	125.8	<2	0.10
493395	Rock	1.27	7.9	1.6	15.8	58	0.5	0.6	0.1	23	0.33	29.4	1.2	0.7	0.7	2	1.4	1.0	11.1	<2	0.03
493396	Rock	1.57	10.6	7.0	22.9	48	<0.1	0.6	0.1	30	0.63	0.8	0.6	2.6	1.0	3	0.2	0.2	0.6	<2	0.04
493397	Rock	1.14	0.5	3.3	8.0	42	<0.1	10.3	3.9	203	0.77	<0.5	1.8	<0.5	1.3	220	0.3	0.3	7.7	16	6.81
493398	Rock	1.46	1.2	237.5	9.8	1839	2.0	17.6	5.9	462	5.36	0.8	5.7	72.7	2.7	247	58.9	0.3	330.9	10	2.00
493399	Rock	1.59	11.5	64.0	6.8	1930	0.8	13.7	4.3	860	2.53	1.0	2.7	21.7	1.8	142	68.4	0.3	233.8	11	2.24
493400	Rock	1.21	1.3	682.5	8.4	1063	2.8	10.1	5.3	558	8.63	<0.5	2.2	211.4	3.6	408	39.7	<0.1	483.0	<2	1.79
151591	Rock	1.27	1.2	167.4	9.5	29	2.9	2.7	0.6	283	4.41	<0.5	3.4	135.8	4.1	66	0.5	1.0	448.6	8	0.71
151592	Rock	1.52	3.0	42.1	6.8	729	0.4	7.8	2.8	713	1.67	<0.5	2.2	23.1	2.3	294	22.3	0.4	118.8	9	3.67
151593	Rock	2.19	1.6	14.4	5.6	125	0.1	10.9	4.1	524	1.05	0.8	1.5	1.4	2.3	477	2.8	0.6	15.0	8	6.52
151594	Rock	1.37	2.3	89.5	4.4	6346	2.1	6.0	2.6	705	3.68	0.8	1.4	155.1	2.2	87	221.5	0.1	363.6	14	1.38
151595	Rock	1.34	1.9	115.2	9.9	7566	1.6	17.9	5.7	2004	3.52	<0.5	1.4	68.9	2.7	194	277.3	0.2	331.8	13	1.97
827001	Rock	0.88	44.6	7.1	6.7	46	0.4	1.0	0.2	39	0.55	0.8	1.4	30.7	1.3	1	1.7	1.0	197.4	<2	0.02
827002	Rock	1.00	1.0	37.9	4.1	74	<0.1	10.4	4.7	518	1.85	<0.5	2.7	6.9	2.6	238	1.8	<0.1	12.6	12	1.02
FX08DR-1	Rock	1.44	1.2	91.0	13.2	78	0.6	20.6	7.0	465	2.74	0.5	1.2	8.4	5.2	383	1.4	0.2	66.2	17	1.15
FX08DR-2	Rock	2.12	2.0	94.2	11.9	3823	1.2	15.5	5.5	812	3.09	<0.5	2.7	85.5	3.8	441	156.0	0.4	216.7	7	2.92
FX08DR-3	Rock	1.46	1.4	147.6	3.7	1254	1.2	8.9	4.0	948	3.10	0.7	4.9	73.1	4.9	407	35.1	0.5	250.5	7	1.87
FX08DR-4	Rock	1.52	3.8	110.5	5.0	81	1.3	6.4	3.5	460	3.43	<0.5	2.4	126.4	6.0	94	2.8	0.4	211.2	10	1.90
FX08DR-5	Rock	1.61	0.2	66.2	3.7	1795	0.7	17.3	9.5	2737	2.97	0.8	7.7	34.4	6.6	136	52.7	0.2	128.6	17	2.34



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 Vancouver BC V6E 3X2 Canada

Project: FOX

Report Date: October 16, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN08009762.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7KP	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	W	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.005	
493390	Rock	0.126	5	68	0.43	19	0.082	<20	4.08	0.262	0.15	0.4	0.02	1.9	<0.1	0.64	11	<0.5	
493391	Rock	0.281	1	2	0.24	25	0.026	<20	1.76	0.102	0.02	<0.1	<0.01	0.4	0.1	0.06	4	<0.5	
493392	Rock	0.058	<1	6	0.08	37	0.007	<20	5.56	0.101	0.03	<0.1	0.02	0.4	<0.1	<0.05	12	<0.5	
493393	Rock	0.024	4	5	0.02	9	0.001	<20	0.19	0.062	0.04	<0.1	<0.01	0.4	<0.1	0.22	<1	0.6	
493394	Rock	0.040	1	6	<0.01	6	<0.001	<20	0.08	0.008	0.06	7.1	0.01	0.1	<0.1	0.13	<1	0.5	
493395	Rock	0.016	2	10	<0.01	7	<0.001	<20	0.06	0.003	0.04	2.9	<0.01	0.2	<0.1	<0.05	<1	<0.5	
493396	Rock	0.023	2	7	0.01	7	<0.001	<20	0.06	0.009	0.04	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	
493397	Rock	0.112	5	17	0.14	12	0.050	<20	2.05	0.184	0.02	6.2	<0.01	1.3	<0.1	<0.05	7	<0.5	
493398	Rock	0.096	10	35	0.58	22	0.034	<20	3.24	0.225	0.10	>100	<0.01	3.1	0.1	2.96	18	1.8	1.166
493399	Rock	0.105	9	12	0.22	14	0.033	<20	1.69	0.101	0.02	>100	<0.01	1.5	<0.1	0.58	9	0.5	2.562
493400	Rock	0.140	9	10	0.19	34	0.025	<20	2.45	0.335	0.02	>100	<0.01	1.3	<0.1	4.48	15	2.5	1.037
151591	Rock	0.106	10	17	0.36	12	0.012	<20	1.59	0.145	0.05	>100	<0.01	2.2	<0.1	0.15	17	1.8	0.872
151592	Rock	0.135	9	11	0.20	39	0.023	<20	3.39	0.233	0.02	>100	<0.01	1.5	<0.1	0.45	22	0.5	1.267
151593	Rock	0.071	10	10	0.14	22	0.052	<20	3.96	0.175	0.02	>100	<0.01	1.1	<0.1	0.20	20	<0.5	0.380
151594	Rock	0.074	8	17	0.56	43	0.025	<20	1.44	0.133	0.21	>100	<0.01	2.5	0.2	1.27	11	1.5	2.934
151595	Rock	0.130	8	16	0.20	18	0.051	<20	1.86	0.120	<0.01	>100	<0.01	0.8	<0.1	1.31	14	1.4	2.337
827001	Rock	0.004	2	19	<0.01	6	<0.001	<20	0.03	0.001	0.02	>100	0.01	0.1	<0.1	<0.05	<1	0.5	0.021
827002	Rock	0.145	7	16	0.34	19	0.018	<20	1.41	0.142	0.01	>100	<0.01	3.9	<0.1	0.18	7	<0.5	0.080
FX08DR-1	Rock	0.039	8	34	0.36	15	0.045	<20	1.78	0.158	0.04	>100	<0.01	2.6	<0.1	0.25	10	<0.5	0.862
FX08DR-2	Rock	0.080	9	16	0.26	20	0.021	<20	3.69	0.366	0.03	>100	<0.01	1.7	<0.1	1.06	23	<0.5	2.034
FX08DR-3	Rock	0.282	9	13	0.21	17	0.014	<20	2.32	0.191	0.03	>100	<0.01	1.2	<0.1	0.46	14	0.5	0.577
FX08DR-4	Rock	0.101	13	33	0.32	18	0.018	<20	1.62	0.184	0.04	>100	<0.01	2.5	<0.1	0.37	14	0.8	5.808
FX08DR-5	Rock	0.042	18	18	0.57	15	0.033	<20	2.25	0.237	0.03	>100	<0.01	3.2	<0.1	0.82	10	0.9	0.071

**QUALITY CONTROL REPORT**

**VAN08009762.1**

Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
151592	Rock	1.52	3.0	42.1	6.8	729	0.4	7.8	2.8	713	1.67	<0.5	2.2	23.1	2.3	294	22.3	0.4	118.8	9	3.67
REP 151592	QC		3.1	43.7	6.9	737	0.4	7.7	3.0	698	1.66	<0.5	2.2	33.5	2.3	288	22.9	0.3	118.7	9	3.60
151595	Rock	1.34	1.9	115.2	9.9	7566	1.6	17.9	5.7	2004	3.52	<0.5	1.4	68.9	2.7	194	277.3	0.2	331.8	13	1.97
REP 151595	QC																				
Reference Materials																					
STD DS7	Standard		19.7	99.8	63.5	400	0.9	58.3	9.2	624	2.39	51.7	4.2	44.6	3.5	72	5.5	5.3	3.5	80	0.91
STD DS7	Standard		18.2	94.0	63.6	375	0.8	50.7	8.1	592	2.33	49.6	4.0	43.5	3.2	70	5.6	4.9	3.6	75	0.86
STD DS7	Standard		19.8	105.1	66.9	424	0.9	59.8	10.0	655	2.39	52.0	4.3	64.0	3.7	69	5.8	4.6	4.0	84	0.93
STD DS7	Standard		19.7	103.6	77.7	397	0.8	57.4	9.5	616	2.36	50.4	5.1	59.9	4.5	73	6.2	4.7	4.7	81	0.91
STD KP-1	Standard																				
STD KP-1	Standard																				
STD DS7 Expected			20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93
STD KP-1 Expected																					
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1	Prep Blank	<0.01	0.2	2.7	48.0	78	<0.1	5.0	3.4	718	0.55	3.4	0.2	<0.5	0.9	164	0.4	0.7	<0.1	8	16.24
G1	Prep Blank	<0.01	0.2	5.8	116.4	201	<0.1	3.3	3.8	723	0.58	3.1	0.2	<0.5	0.7	158	0.7	1.1	<0.1	9	15.83

QUALITY CONTROL REPORT

VAN08009762.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7KP
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	W
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.005
Pulp Duplicates																			
151592	Rock	0.135	9	11	0.20	39	0.023	<20	3.39	0.233	0.02	>100	<0.01	1.5	<0.1	0.45	22	0.5	1.267
REP 151592	QC	0.128	9	10	0.18	41	0.023	<20	3.36	0.220	0.02	>100	<0.01	1.6	<0.1	0.45	21	0.6	
151595	Rock	0.130	8	16	0.20	18	0.051	<20	1.86	0.120	<0.01	>100	<0.01	0.8	<0.1	1.31	14	1.4	2.337
REP 151595	QC																		2.380
Reference Materials																			
STD DS7	Standard	0.074	11	173	1.02	386	0.104	45	0.99	0.090	0.43	3.4	0.21	2.1	3.7	0.19	5	3.4	
STD DS7	Standard	0.080	10	175	0.99	372	0.105	40	0.94	0.084	0.44	3.3	0.20	2.2	3.1	0.18	5	3.6	
STD DS7	Standard	0.075	11	182	1.04	374	0.107	45	1.01	0.090	0.43	4.4	0.19	2.1	4.2	0.19	5	4.2	
STD DS7	Standard	0.071	12	182	1.02	389	0.114	34	0.97	0.083	0.47	3.9	0.24	2.3	4.6	0.18	5	3.7	
STD KP-1	Standard																		0.770
STD KP-1	Standard																		0.784
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5	
STD KP-1 Expected																			0.74
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	
BLK	Blank																		<0.005
Prep Wash																			
G1	Prep Blank	0.008	1	2	13.69	11	0.001	<20	0.07	0.006	0.04	<0.1	0.02	0.6	0.2	0.07	<1	<0.5	
G1	Prep Blank	0.006	<1	4	13.87	11	0.002	<20	0.08	0.006	0.05	<0.1	0.02	0.6	<0.1	0.09	<1	<0.5	



ACME ANALYTICAL LABORATORIES LTD.  
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Happy Creek Minerals Ltd.

Suite 2300 - 1066 W. Hastings St.  
 Vancouver BC V6E 3X2 Canada

Submitted By: David Blann  
 Receiving Lab: Canada-Vancouver  
 Received: October 07, 2008  
 Report Date: October 28, 2008  
 Page: 1 of 2

**CERTIFICATE OF ANALYSIS**

**VAN08010031.1**

**CLIENT JOB INFORMATION**

Project: FOX  
 Shipment ID:  
 P.O. Number  
 Number of Samples: 2

**SAMPLE DISPOSAL**

DISP-PLP Dispose of Pulp After 90 days  
 DISP-RJT Dispose of Reject After 90 days

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

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

CC: Bob Lane  
 D. Ridley  
 Mark Ralph

**SAMPLE PREPARATION AND ANALYTICAL PROCEDURES**

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
R150	2	Crush, split and pulverize rock to 200 mesh		
1DX	2	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
DIS-RJT	2	Warehouse handling / Disposition of reject		

**ADDITIONAL COMMENTS**



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
 All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
 "\*\*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Vancouver BC V6E 3X2 Canada

Project:

FOX

Report Date:

October 28, 2008

Page:

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Part 1

## CERTIFICATE OF ANALYSIS

VAN08010031.1

Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
4422	Rock	1.50	1.9	16.9	4.1	47	<0.1	10.7	7.1	330	1.81	2.2	1.8	0.8	11.4	29	<0.1	<0.1	<0.1	24	0.63
4423	Rock	1.85	1.5	60.2	2.1	98	0.9	9.1	4.7	274	1.27	0.7	1.3	83.4	4.4	35	2.3	0.2	427.1	8	0.54



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Project:

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Report Date:

October 28, 2008

Page:

2 of 2

Part 2

## CERTIFICATE OF ANALYSIS

VAN08010031.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
4422	Rock	0.012	31	33	0.50	93	0.119	<20	1.46	0.090	0.60	0.3	<0.01	3.8	0.4	0.17	6	<0.5
4423	Rock	0.040	15	27	0.19	29	0.027	<20	1.16	0.107	0.08	10.8	<0.01	1.7	0.1	0.31	4	0.6

**QUALITY CONTROL REPORT**

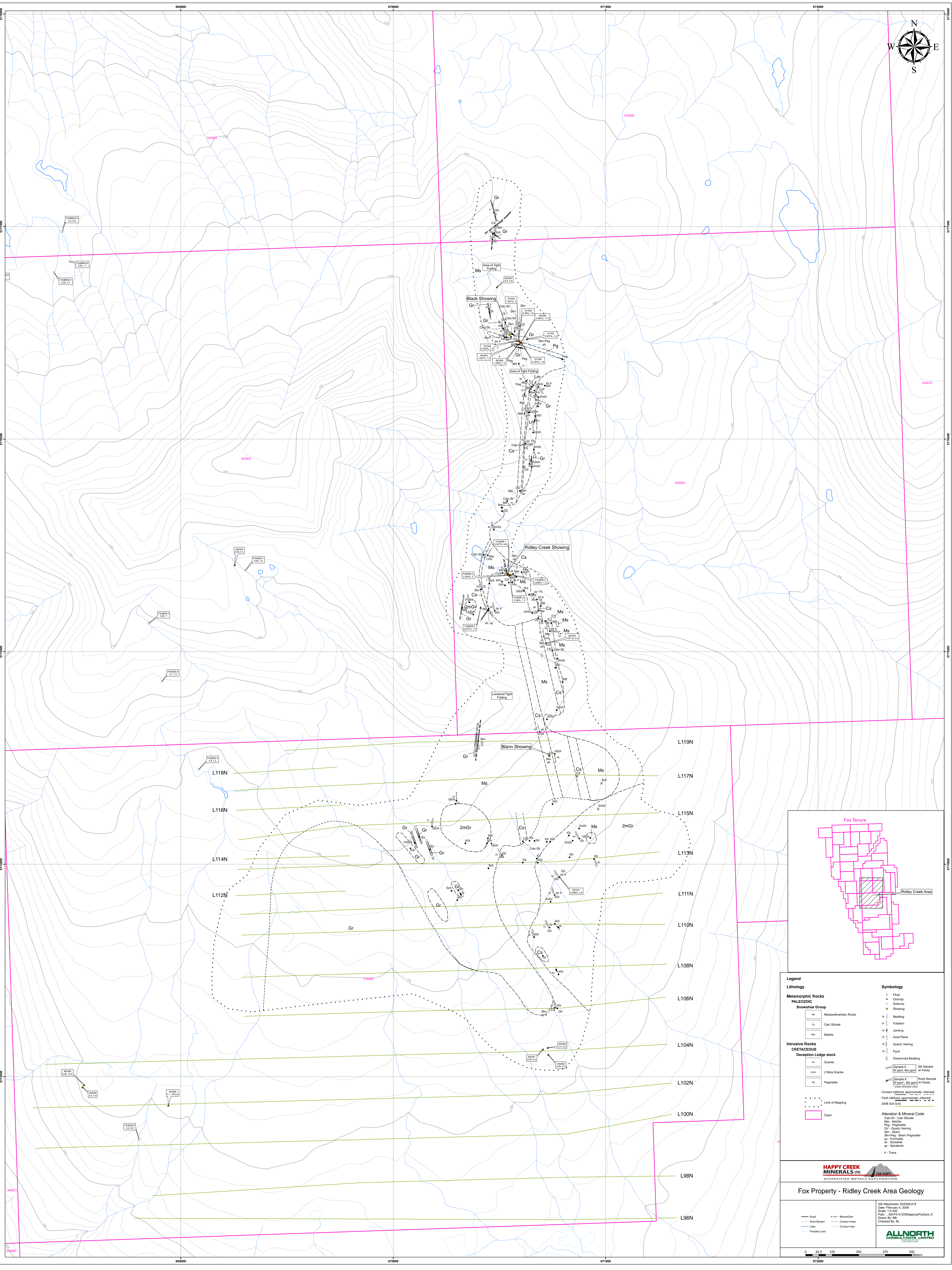
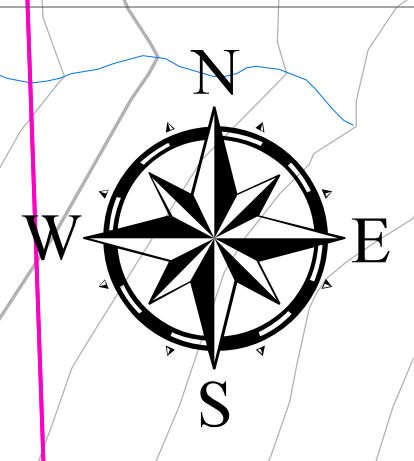
**VAN08010031.1**

Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Reference Materials																					
STD DS7	Standard	20.7	106.1	65.0	395	0.9	52.3	9.1	582	2.25	53.7	4.6	53.7	3.7	68	6.2	4.5	4.0	73	0.90	
STD DS7	Standard	20.6	107.1	64.5	382	0.8	53.8	9.0	590	2.24	52.3	5.2	47.2	3.8	66	6.3	4.6	4.1	74	0.90	
STD DS7 Expected		20.9	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	5.9	4.5	86	0.93	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
Prep Wash																					
G1	Prep Blank	<0.01	0.1	2.0	2.3	44	<0.1	3.8	4.2	553	1.86	0.8	1.7	4.0	3.1	73	<0.1	<0.1	<0.1	36	0.57

QUALITY CONTROL REPORT

VAN08010031.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	
Reference Materials																		
STD DS7	Standard	0.076	12	153	1.00	392	0.102	38	0.95	0.083	0.41	3.5	0.19	2.4	4.1	0.18	4	3.8
STD DS7	Standard	0.078	12	154	0.98	382	0.104	35	0.97	0.079	0.41	3.6	0.19	2.4	4.1	0.18	4	3.8
STD DS7 Expected		0.08	13	163	1.05	370	0.124	39	0.959	0.073	0.44	3.8	0.2	2.5	4.2	0.21	5	3.5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
Prep Wash																		
G1	Prep Blank	0.087	7	7	0.60	260	0.129	<20	1.01	0.075	0.56	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5



Legend	
<b>Lithology</b>	
<b>Metamorphic Rocks</b>	
<b>PALEOZOIC</b>	
Snowshoe Group	
Ms	Metasedimentary Rocks
Ca-Si	Calc Silicate
Mar	Marble
<b>Intrusive Rocks</b>	
<b>CRETACEOUS</b>	
Deception Ledge stock	
Gr	Granite
2mGr	2 Mica Granite
Pg	Pegmatite
<b>Symbology</b>	
□	Flat
▲	Outcrop
△	Subcrop
◆	Showings
—	Bedding
—	Calc Silicate
—	Foliation
—	Jointing
—	Axial Plane
—	Quartz Veining
—	Fault
—	Overturned Bedding
—	Sample # [W ppm, Mo ppm] Slit Sample
—	Sample # [W ppm, Mo ppm] Rock Sample
Contact (defined, approximate, inferred)	
Fault (defined, approximate, inferred)	
2008 Stn Grid	
⋯	Limit of Mapping
□	Claim
<b>Alteration &amp; Mineral Code</b>	
Ca-Si	Calc Silicate
Mar	Marble
Peg	Pegmatite
QV	Quartz Veining
Sh	Shale
Sk-Peg	Skarn Pegmatite
Pg	Pegmatite
Sh	Schistosity
Tr	Trace

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

**Fox Property - Ridley Creek Area Geology**

208 Map sheets: 03A028-018  
Date: February 5, 2009  
Scale: 1:50,000  
Proj.: UTM-18N-12Q  
Drawn by: JBS  
Checked by: BL

**ALLNORTH CONSULTANTS LIMITED**

